

DESIGN-BUILD CONTRACT

EXHIBIT 1 - Definitions

1. **Applicable Law** means any and all federal, state, and local legal requirements applicable to the Design and Construction Services and the Work, whether arising at law, in equity, or under any statute, regulation, ordinance or other legal requirement.
2. **Architect** means the architect of record engaged by the Design-Builder or other Subcontractors engaged by Design-Builder to perform architectural services on the Jail Project. Architect does not mean the Design Criteria Developer or other Advisors referenced in the RFQ or representatives of The City.
3. **Basis of Design Documents** means the documents and information listed in Section 2.02 of the Design-Build Contract.
4. **Bond Bank** means the Indianapolis Public Improvement Bond Bank created in 1985 pursuant to Indiana Code Section 5-1.4-3-1.
5. **Budget** means the budget for the Courts Project as described in Section 2.8.2 of the RFQ.
6. **Building and Construction Trades Department, AFL-CIO**, means
7. **Building Authority** means the Indianapolis-Marion County Building Authority created in 1953 pursuant to Chapter 54 of the Acts of the Indiana General Assembly for 1953, now cited as Indiana Code Section 36-9-13-1, et. seq.
8. **Certificate of Substantial Completion** means a certificate issued by The City certifying that it agrees the Work on the Jail Project has reached Substantial Completion.
9. **Change** means a Change as defined in Section 17.01 of the Design-Build Contract. A Change does not include any constructive change, Cardinal Change, or change by conduct of the parties, each of which is expressly waived and excluded from the Design-Build Contract.
10. **Change Directive** means a Change Directive as defined in Section 17.03 of the Design-Build Contract.
11. **Change Order** means a Change Order as defined in Section 17.02 of the Design-Build Contract.
12. **City or the City of Indianapolis** means the City of Indianapolis established in 1821, and includes its assignees under the Design-Build Contract or other governing agreement for the Courts Project, as well as, the TRC where appropriate under the Design-Build Statute. Where the term Owner is used in the Contract Documents or RFP Documents, the Owner means the City.
13. **Claim** means a Claim as defined in Section 17.06 of the Design-Build Contract.
14. **Community Justice Campus or CJC** means a new campus of civil and criminal justice facilities at the Site recommended by the Task Force as part of the City of Indianapolis' initiative for holistic, data-driven criminal justice reform.
15. **Contract Price** means the total, not-to-exceed, compensation for DESIGN-BUILDER's performing the Design and Construction Services and completing all of the Work for the amount stated in Section 5.01 of the Design-Build Contract.
16. **Contract Time** means the amount of time for DESIGN-BUILDER to perform the Design and Construction Services and complete the Work as stated in Section 4 of the Design-Build Contract.
17. **County** means the County of Marion in the State of Indiana.

- 18. Construction Documents** means drawings, specifications, and other design deliverables reasonably requested by the City and/or exhibits consistent with the Basis of Design Documents and depicting the design of the Jail Project at approximately 90% complete and shall constitute the final design plans and specifications for purposes of The City's need to obtain approval from the Site Design Committee.
- 19. Construction Services** when used without Design Services means all construction, labor, material, equipment, tools, and other services necessary to complete the Work in conformance with the Contract Documents.
- 20. Courts Project** means the design and construction of a consolidated courthouse on the CJC.
- 21. Design and Construction Services** means all design, engineering, other professional, and construction services including but not limited to all professional services, material, equipment, tools, labor, and other services necessary to complete the Work in conformance with the Contract Documents.
- 22. Design Services** means all design, engineering, and other professional services necessary to complete the Work in conformance with the Contract Documents.
- 23. Design-Build Contract** means the Design-Build Contract executed by the DESIGN-BUILDER and The City for the Jail Project.
- 24. Design-Build Statute** means Indiana Code Section 5-30, *et. seq.*
- 25. Design-Builder or DESIGN-BUILDER or Contractor** means the Lead Design-Build Entity that is awarded the Design-Build Contract.
- 26. Design Certificate** means a certificate received from the Site Design Committee stating the design plans and specifications comply with the Site Design Standards as defined under the Ground Lease.
- 27. Differing Site Condition** means a subsurface or underground condition at the Site that is:
 - (a) materially different from the conditions shown in, or reasonably inferable from, the Contract Documents; or
 - (b) so unusual as to constitute a condition that is not generally found on a project site for a similar project within central Indiana.
- 28. Drawings** means the drawings submitted or verified by DESIGN-BUILDER in its response to the RFP that become part of the Basis of Design Documents through final negotiations with The City as authorized by the Design-Build Statute.
- 29. Eligible Parties** are parties that are eligible to enroll in the OCIP. Specifically, the Contractor, and Subcontractors performing a portion of the Work on the Site.
- 30. Engineer** means the engineer of record engaged by the Design-Builder or other Subcontractors engaged by Design-Builder to perform engineering services on the Jail Project. Engineer does not mean the Design Criteria Developer or other Advisors referenced in the RFQ or representatives of The City.
- 31. Enrolled Parties** are Eligible Parties that have been approved to enroll and have enrolled in the OCIP.
- 32. Excluded Parties** are parties that are not eligible to enroll in the OCIP, and who are excluded from the OCIP, including:
 - a) Hazardous materials remediation, removal and/or transport companies and their consultants;
 - b) Architects, surveyors, engineers, and soil testing engineers, and their consultants;
 - c) Vendors, suppliers, fabricators, material dealers, truckers, haulers, drivers and others who merely transport, pick up, deliver, or carry materials, personnel, parts or equipment, or any other items or persons to or from the Site;

- d) Any Subcontractor of any tier that does not perform any actual labor on the Site; and
 - e) Any other party or entity not specifically identified herein, that is excluded by The City in its sole discretion, even if such party or entity is otherwise eligible.
- 33. Exhibit** means documents attached to and referenced in the RFP or the Design-Build Contract, as applicable.
- 34. Final Completion** means the completion of all Work in conformance with the Contract Documents, including all punch list items and the delivery of all closeout documents to The City as required by the Contract Documents.
- 35. Final Design Development Documents** means drawings, specifications, and other design deliverables reasonably requested by the City and/or exhibits consistent with the Basis of Design Documents and depicting the design of the Jail Project at approximately 60% complete.
- 36. Final Payment Application** means application for payment submitted by the DESIGN-BUILDER to The City pursuant to the Design-Build Contract submitted at the completion of the Work as outlined in Section 14.15 of the Design-Build Contract.
- 37. Grievance Resolution Process** means the process the DESIGN-BUILDER and each of its subcontractors, suppliers, and laborers must have in place addressing how its employees' grievances will be addressed and resolved for their employees working on the Jail Project.
- 38. Hazardous Material** means any hazardous, special, radioactive or toxic substance, material or waste which is or becomes regulated by any local government authority, the State of Indiana or the United States Government. The term "hazardous material" includes, without limitation, any material or substance which is (i) defined as a "hazardous substance" under I.C. 13-11-2-98 of the Indiana Hazardous Substance Response Trust Fund Act, (ii) petroleum, (iii) asbestos, (iv) designated as a hazardous substance pursuant to the Federal Water Pollution Control Act (33 U.S.C. § 1251 et seq.), (v) defined as a "hazardous waste" pursuant to the Federal Resource Conservation and Recovery Act (42 U.S.C. § 6901 et seq.), (vi) defined as a "hazardous substance" pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. § 9601 et seq.), (vii) defined as a "regulated substance" pursuant to the Solid Waste Disposal Act (42 U.S.C. § 6991 et seq.), (viii) defined as a toxic "chemical substance" pursuant to the Toxic Substance Control Act (7 U.S.C. § 136 et seq.), (ix) defined as a "hazardous chemical" or "hazardous substance" pursuant to the Emergency Planning and Community Right to Know Act (42 U.S.C. § 11001 et seq.) or (x) defined as a "radioactive waste" pursuant to the Atomic Energy Act (42 U.S.C. § 2011 et seq.).
- 39. Jail Project** means the Jail Project defined in the RFP.
- 40. M/W/V/DO/BE** means minority business enterprise, women business enterprise, veteran owned business enterprise, and disability owned business enterprise collectively and as referenced in the City Code and used by the City's Office of Minority & Women Business Development.
- 41. Minor Change** means a Minor Change as defined in Section 17.04 of the Design-Build Contract.
- 42. Nonconforming Work** means Work that fails to comply with the Contract Documents.
- 43. Notice to Proceed** means a written notice from The City to the DESIGN-BUILDER informing the DESIGN-BUILDER that it is to commence the Design and Construction Services and the Work. The City may issue partial or multiple Notices to Proceed.

44. **Notification** means Notification as defined in Section 9.02.1 of the Design-Build Contract.
45. **Notification Procedure** means Notification as defined in Section 9.02 of the Design-Build Contract.
46. **OCIP** means an owner controlled insurance program.
47. **Offeror** means an offeror as defined in Indiana Code Section 5-30-1-8.
48. **Owner** means The City or its assignee(s).
49. **Owner's Representative** means Shrewsberry & Associates LLC.
50. **Payment Application** means an application for payment submitted by the DESIGN-BUILDER to The City pursuant to the Design-Build Contract.
51. **Payment Bond** means the payment bond issued by the surety for the DESIGN-BUILDER pursuant to the Design-Build Contract.
52. **Performance Bond** means the performance bond issued by the surety for the DESIGN-BUILDER pursuant to the Design-Build Contract.
53. **Plan for the Settlement of Jurisdictional Disputes in the Construction Industry** has the meaning in Section 8.02 of the Design-Build Contract.
54. **Proposal** has the meaning set forth in Indiana Code Section 5-30-1-10.
55. **Progress Payment** means payments made to DESIGN-BUILDER throughout the course of the Jail Project prior to Final Completion and final payment.
56. **Protected Characteristics** means Protected Characteristics as defined in Section 9.05 of the Design-Build Contract.
57. **Public Project** has the meaning set forth in Indiana Code Section 5-30-1-12 and also includes any federal projects.
58. **Reference Information or Reference Information Documents** means Reference Information or Reference Information Documents issued with the RFP.
59. **Request for Proposals or RFP** means the request for proposals issued by the City pursuant to Chapter 6 of the Design-Build Statute for the Jail Project.
60. **RFP Documents** means the RFP Documents defined in the RFP for the Jail Project.
61. **Schedule** means the schedule submitted by the Design-Builder with its Qualitative Proposal and agreed modifications to that schedule through negotiations prior to execution of the Design-Build Contract as authorized by the Design-Build Statute, if any.
62. **Schedule of Values** means the schedule of values submitted by the Design-Builder and approved by the Owner's Representative as referenced in Articles 11 and 14 of the Design-Build Contract.
63. **Site or Project Site** means the site of the Community Justice Campus, which is the former Citizens Energy Group Coke Plant on the east side of Indianapolis. See Exhibit B to the request for qualifications for the Jail Project.
64. **Site Enabling Project** means the City's project for certain utility, earthwork and related improvements to the Site to facilitate the Design-Build Contract services. The Site Enabling Project is being delivered under a separate contract from the Design-Build Contract.
65. **Specifications** means the specifications submitted or verified by DESIGN-BUILDER as an Offeror in its Qualitative Proposal that become part of the Basis of Design Documents through final negotiations with The City as authorized by the Design-Build Statute.

- 66. Stakeholder** means the internal stakeholders identified in the Task Force’s Criminal Justice Reform Summary Report, dated December 12, 2016 and additional stakeholders for the Jail Project as identified from time to time.
- 67. Subcontractor** means a person, partnership, company, or other organization which is not in the employment of or owned by the DESIGN-BUILDER but is expected to perform part of Design and Construction Services and/or the Work pursuant to a separate contract entered into by and between the Subcontractor and DESIGN-BUILDER. The term Subcontractor includes subcontractor(s) of any contract tier under the DESIGN-BUILDER.
- 68. Substantial Completion** means the stage of the Work where, in the opinion of The City, all items of the Work (or specified portion thereof) necessary to enable the Jail Project to be utilized without significant restrictions for the purpose for which it was constructed have been completed. All pay items shall be completely installed and all necessary testing as required by Applicable Law and/or Contract Documents shall have been completed. Substantial Completion may be evidenced by a certificate thereof issued by The City.
- 69. Work** means the work necessary for constructing the Jail Project as described in, and in conformance with, the Contract Documents, including but not limited to all labor, tools, material, equipment and other work necessary to construct the Jail Project.

PROJECT AGREEMENT

THIS PROJECT AGREEMENT (the "**Agreement**") is made as of December 17th, 2017 (the "**Effective Date**"), by and between the Consolidated City of Indianapolis and Marion County, Indiana (collectively, the "**City**"), and the Department of Public Utilities for the City of Indianapolis, acting by and through the Board of Directors for Utilities (the "**Citizens Board**"), as successor trustee, in furtherance of a public charitable trust d/b/a Citizens Energy Group ("**Citizens**") (each sometimes being referred to herein as a "**Party**" or collectively as the "**Parties**").

ARTICLE I. RECITALS

A. On May 11, 2016, Indianapolis Mayor Joe Hogsett signed Executive Order No. 4, 2016, launching the Indianapolis Criminal Justice Reform Task Force (the "**Task Force**"), whose mission was to assess, research, examine, and ultimately report recommendations for the systemic reform and optimization of the current county criminal justice system.

B. On December 12, 2016, the Task Force produced a report recommending a series of reforms to the criminal justice system in Indianapolis and Marion County that will improve health and safety, prevent crime, and redirect offenders back to a successful life in the community at the earliest possible point in time and that would require the construction of several new public facilities, that may include an assessment and intervention center, a consolidated county jail, a courts facility, a professional office building and such other facilities and improvements which the City may determine are beneficial or useful (collectively, the "**Community Justice Facilities**").

C. Citizens or its affiliated entities own real property located in Indianapolis that is generally depicted on Exhibit A (the "**Citizens Property**"). Citizens formerly operated a plant that used coal to manufacture gas for delivery to its gas distribution system (the "**System**") and to manufacture other by-products on some of the parcels comprising the Citizens Property, specifically the Core Properties and PPE, as defined below.

D. The City has determined it is desirable to locate the Community Justice Facilities and other improvements related to the economic development of Indianapolis on all or portions of the Citizens Property (collectively the land and improvements to be used in connection with the Community Justice Facilities are referred to as, the "**Project**").

E. The Parties acknowledge that the portions of the Citizens Property identified on Exhibit A as Pleasant Run Crossing North, Pleasant Run Crossing South, Pleasant Run Crossing (the "**Core Properties**") and Prospect Place East ("**PPE**") are currently enrolled in the Indiana Department of Environmental Management's ("**IDEM**") Voluntary Remediation Program (the "**VRP**"). In order to complete the requirements of the VRP, to obtain a Certificate of Completion (the "**Certificate**") issued by IDEM and a Covenant Not To Sue executed by the Office of the Governor of the State of Indiana (the "**Covenant Not To Sue**") and to ready the Core Properties and PPE for commercial redevelopment, Citizens submitted to IDEM a

Remediation Work Plan for PPE on April 30, 2010, which was approved on March, 1, 2011 (the "2011 RWP"),¹ and a Remediation Work Plan for the Core Properties on July 31, 2017, which was amended on November 3, 2017 (the "RWP").

F. The Parties desire to enter into this Agreement to facilitate the construction and completion of the Project, the approval and completion of the RWP, and the conveyance of the Citizens Property to the City, all in accordance with, and subject to, the terms and conditions set forth herein.

NOW, THEREFORE, for the consideration hereinafter described, the Parties hereto hereby agree as follows:

ARTICLE II. SITE DEVELOPMENT PLANS

A. Approval of Site Development Plans. On or before January 31, 2018, the City shall submit to Citizens preliminary design drawings and plans and specifications that depict the footprint of improvements that are anticipated at that time to be constructed on the Core Properties which shall include (i) proposed plans for the relocation of any existing utility lines or utility easements located on the Core Properties (all subject to the provisions outlined in Article VI), (ii) the location of any new easements requested by the City on the Core Properties, (iii) a site plan showing finished grades, drainage scheme, and the location of the Community Justice Facilities and other related or supportive facilities on the Core Properties, and (iv) any other information related to the development of the Project that will require the disturbance or movement of soil at the Core Properties ((i), (ii), (iii) and (iv) collectively, "**Site Development Plans**"). Citizens shall have sixty (60) days from receiving the Site Development Plans to determine if, in its reasonable discretion, the Site Development Plans: (i) are reasonably consistent with Citizens' obligations in the approved RWP, (ii) are not reasonably expected to increase Citizens' costs of implementing and completing the RWP, (iii) are reasonably expected to comply with the terms of the Environmental Agreement (as defined herein), and (iv) are not reasonably expected to trigger additional potential liability or costs to Citizens under any federal, state or local law (collectively, the "**Citizens Site Impact Approvals**"). If Citizens fails to provide its written approval or disapproval of the Site Development Plans within the sixty (60) day period, Citizens shall be deemed to have disapproved the Site Development Plans. In the event Citizens approves the Site Development Plans, such approval shall not be deemed consent to an obligation or waiver of any rights of Citizens in Article VI regarding infrastructure improvements or the installation of any utilities to the Project. Prior to obtaining the Citizens Site Impact Approvals, the City shall have the right to proceed with the Project on the Core Properties, including planning and procurement, site work and initial development work; provided the City ultimately complies with Citizens Site Impact Approvals and compensates and indemnifies Citizens for all loss, claims and damages arising from City's work on the Project occurring prior to receipt of the Citizens Site Impact Approvals, including City's non-compliance with the Citizens Site Impact Approvals, as finally provided by Citizens. Citizens

¹ On December 5th, 2016, Citizens submitted a Remediation Completion Report for PPE to IDEM reflecting the fact Citizens has completed the work required in the 2011 RWP. By letter dated April 27, 2017, IDEM provided comments to the PPE Remediation Completion Report and Citizens is working with IDEM to resolve IDEM's comments, which is anticipated to be resolved by the second quarter of 2018.

acknowledges that the City has informed Citizens that the City's current Project plan only contemplates the construction of an assessment and intervention center, a consolidated county jail, and a courts facility and that the City's failure to provide design drawings and plans and specifications beyond those facilities shall not be a basis for disapproval of the Site Development Plans. The parties agree to cooperate in good faith prior to the timeframes outlined in this Section II.A with respect to the City providing drafts of preliminary design drawings and plans and specifications, and for feedback on the same, to provide for the potential of Citizens delivering its Citizens Site Impact Approvals prior to the period for review outlined above, and/or for the City to be better informed as to Citizens' views so as to determine whether to proceed with Project planning and procurement on the Core Properties prior to the Citizens Site Impact Approvals pursuant to the preceding sentence. If Citizens disapproves or is deemed to have disapproved the Site Development Plans, both Parties shall appoint representatives to work together utilizing best efforts, acting reasonably and in good faith, to address changes to the Site Development Plans that will resolve any issues with the Citizens Site Impact Approvals (a "**Revised Site Development Plan**"). If, despite such good faith efforts, the Parties cannot reach a mutually agreeable Revised Site Development Plan within thirty (30) days of the City's receipt of Citizens' disapproval of the Site Development Plans, either Party shall have the right to terminate this Agreement through written notice to the other Party. Any mutually agreeable Revised Site Development Plan shall be considered the Site Development Plans for purposes of this Agreement, the Ground Lease, and the Environmental Agreement. The Site Development Plans, once approved, will be attached to the Ground Lease (as defined herein) as an exhibit. The Parties agree that a similar site impact approval process shall be implemented for PPE.

B. Changes to the Site Development Plans. Any material changes to the approved Site Development Plans which materially impact any of the Citizens Site Impact Approvals or add additional improvements that expand the footprint of the Project on any of the Core Properties shall be subject to the review and approval of Citizens as provided in Article II (A) above, except that Citizens' approval shall not be unreasonably withheld, conditioned or delayed. All rights of Citizens to approve the Site Development Plans related to the Project or any other part of the Citizens Property shall terminate upon Citizens obtaining the Certificate and the Covenant Not to Sue and the Environmental Restrictive Covenant has been recorded; provided, however, that the Core Properties and PPE shall continue to be burdened by the Environmental Restrictive Covenants and Environmental Easement which have been recorded against such properties.

ARTICLE III. THE CITIZENS PROPERTY

A. Transfer of Interests in the Core Properties. To facilitate the construction and development of the Project and the completion of the RWP, Citizens, on its own behalf and on behalf of its affiliates, shall lease the Core Properties to the City upon material terms the Parties deem mutually necessary to accomplish the intent of the Agreement, including the following terms (collectively, the "**Ground Lease**").

(i) Contemporaneously with execution and delivery of the Ground Lease, the City shall pay Citizens the sum of Two Million One Hundred Thousand Dollars (\$2,100,000.00) (the "**Lease Fee**") as compensation for the rights Citizens is granting the

City under the Ground Lease. The Parties are allocating the Lease Fee to the Core Properties as follows: (i) Pleasant Run Crossing – Six Hundred Fifty Thousand Dollars (\$650,000.00); (ii) Pleasant Run Crossing North – Six Hundred Sixty-Two Thousand Dollars (\$662,000.00); and (iii) Pleasant Run Crossing South – Seven Hundred Eighty-Eight Thousand Dollars (\$788,000.00).

(ii) The Ground Lease shall be an absolute triple net, financeable ground lease with no annual rent, under which all upkeep, ownership expenses, insurance, maintenance, repair and capital obligations are the City's, except as otherwise provided in the RWP and the Environmental Agreement. The City shall own all improvements constructed on the Core Properties, to the extent permitted under Indiana law.

(iii) Citizens shall retain the right to possess, occupy and use the Core Properties to the extent necessary to implement the RWP and to obtain the Certificate and Covenant Not To Sue. Citizens and the City shall work cooperatively to permit Citizens to implement the RWP and the City to develop the Project in such a way that neither party materially interferes with the operations of the other. The Environmental Agreement (defined in Article IV) shall be incorporated by reference in the Ground Lease and this Agreement.

(iv) The Ground Lease term shall be thirty four (34) years (the "**Term**").

(v) The Ground Lease shall permit the City to pledge its interest in the Core Properties, including its leasehold rights under the Ground Lease and its title to the Project, to secure financing for the Project.

(vi) The City shall have the right to convey, assign, sublease or otherwise transfer its interest in the Ground Lease to a body politic of the City or another "political subdivision" (as such term is defined in Indiana Code 36-1-2-3) (individually and collectively, a "**Public Party**") without Citizens' consent; provided, the Public Party agrees in writing to comply with all obligations of the City under this Agreement, the Ground Lease and the Environmental Agreement. The City shall not have the right to convey, assign, sublease or otherwise transfer its interest in the Ground Lease to any party that is not a Public Party ("**Private Party**") without obtaining Citizens' prior written consent, which consent Citizens may reasonably condition, withhold or deny. In the event the City conveys, assigns, subleases or otherwise transfers its interest in the Ground Lease to a Public Party or a Private Party in accordance with the terms and conditions of this Article III (vi), the City shall remain liable for all its obligations in this Agreement, the Ground Lease, the Environmental Agreement and any applicable Environmental Restrictive Covenant or Certificate.

(vii) Citizens shall quit claim or cause its affiliates to quit claim the fee simple title to the Core Properties to the City (the "**Deed**") not later than thirty (30) days of Citizens obtaining both the Certificate and the Covenant Not To Sue; no further consideration from the City shall be due in connection with such conveyance. The Parties acknowledge the Deed shall also designate previously identified areas of the Core Properties that are Restricted Areas as described in the Environmental Agreement. The

Parties further acknowledge that IDEM will require Citizens to record an Environmental Restrictive Covenant against the Core Properties in the Marion County Recorder's Office restricting future uses of the Core Properties as described in Section 6 of the Environmental Agreement before IDEM will issue the Certificate; thus, the Environmental Restrictive Covenants shall be recorded before the Deed. The City acknowledges that the Certificate must be recorded against the title to the Core Properties before the Covenant Not To Sue will be issued; thus, the Certificate shall be recorded before the Deed. Citizens shall also comply with any legal requirements applicable to the conveyance of the Core Properties and deliver any instruments necessary for the City to obtain a leasehold owner's title insurance policy, free of any encumbrances that were granted by Citizens or its affiliates, except for encumbrances in existence on the Effective Date or expressly or implicitly required by the terms of this Agreement, the Ground Lease or the Environmental Agreement. Upon execution of the Ground Lease, Citizens shall pay the title premium of an ALTA leasehold owner's title insurance policy with an insured amount that shall not exceed the aggregate of the Lease Fee. Citizens shall have no obligation to pay title insurance premiums for policy endorsements or fee owner title insurance upon delivery of the Deed. All other closing costs shall be allocated as is customary for commercial closings in the Indianapolis, Indiana area. In the event Citizens is unable to obtain the Certificate and the Covenant Not To Sue on or before the expiration of the Term, Citizens shall execute and deliver the Deed to the City on the day the Term expires. Citizens shall reserve in the Deed a permanent, subsurface sanitary sewer deep tunnel easement in favor of CWA Authority, Inc., an Indiana nonprofit corporation created pursuant to an Interlocal Cooperation Agreement between the Sanitary District of the City of Indianapolis and the Citizens Board ("**CWA**"), on the portion of the Core Properties depicted on Exhibit B-1 and B-2 of the Environmental Agreement.

(viii) Citizens shall retain the right to access the Core Properties for purposes of complying with any ongoing obligations required by the approved RWPs, the Certificate and/or Covenant Not To Sue, which shall be on terms mutually agreeable to the Parties, acting reasonably and in good faith and shall be consistent with the provisions of Paragraph 7 of the Environmental Agreement, and shall be recorded in an easement binding on the Core Properties and which shall run in favor of Citizens (the "**Environmental Easement**").

(ix) Notwithstanding anything to the contrary in this Agreement, the City expressly reserves the right to acquire all or a part of Pleasant Run Crossing North and/or Pleasant Run Crossing South prior to the end of the term of the Ground Lease, so long as Citizens has consented to the same, such consent not to be unreasonably withheld, conditioned or delayed. In the event Citizens agrees to convey all or a portion of Pleasant Run Crossing North and/or Pleasant Run Crossing South to the City, a Public Party or a Private Party prior to obtaining both the Certificate and the Covenant Not To Sue (an "**Early Conveyance**"), Citizens shall retain (i) its access and use rights in the Ground Lease, (ii) its rights described in Article III(A)(iii), (vi) and (viii) of this Agreement, and (iii) its rights described in Paragraph 7 of the Environmental Agreement. An Early Conveyance shall not release the portions of Pleasant Run Crossing North and/or Pleasant Run Crossing South which are conveyed from the obligations in the Environmental

Agreement or this Agreement that are applicable to that property so long as the Ground Lease remains in effect. Any such conveyance is subject to any subsequent agreements that Citizens may reasonably require to effect such conveyance. The City shall have no right to acquire any portion of Pleasant Run Crossing prior to the end of the term of the Ground Lease.

B. Execution of Ground Lease. Citizens and the City shall negotiate the form of the Ground Lease, acting reasonably and in good faith, no later than sixty (60) days after the Effective Date. The Ground Lease shall be executed not later than ten (10) days following the satisfaction of the Conditions Precedent, as defined in Article VIII. The Parties shall record an executed original of the Ground Lease in the land records of the Marion County Recorder's Office.

C. Development and Construction of Project Improvements. In the event the City decides to develop and construct additional improvements on the Core Properties that are not depicted on the Citizens approved Site Development Plans ("**New Project Improvements**"), the City shall submit any plans for the New Project Improvements which interfere with those matters in the Citizens Site Impact Approvals to Citizens, which shall be subject to Citizens' approval in accordance with the procedures and terms contained in Article II ("**New Improvement Approval Rights**") provided that Citizens' approval of the New Project Improvements shall be based on the matters which are a part of the Citizens Site Impact Approvals and shall not be unreasonably withheld. The New Improvement Approval Rights and the City's obligations to obtain approval for any material changes to the Site Development Plans under Article II(B) shall terminate upon the termination of the Ground Lease and the conveyance of all Core Properties to the City.

D. Conveyance of Future Development Property. Contemporaneously with executing and delivering the Ground Lease, Citizens or its affiliated entities will convey the portions of the Citizens Property identified as Twin Aire, Prospect Place West, and Prospect Place East on Exhibit A (the "**Future Development Property**") to the City upon the terms and conditions in this Article III (D):

(i) The City shall pay Two Million One Hundred Thousand Dollars (\$2,100,000.00) to Citizens for the Future Development Property (the "**Purchase Price**") as follows: (a) Twin Aire – One Million Two Hundred Sixty Dollars (\$1,260,000.00); (b) PPE – Six Hundred Seventy-Two Thousand Dollars (\$672,000.00); and (c) Prospect Place West – One Hundred Sixty-Eight Thousand Dollars (\$168,000.00).

(ii) Citizens or its affiliated entity shall quit claim the fee simple title to the Future Development Property and the residential lots adjacent to and east of PPE (the "**Future Development Deed**"), shall comply with any legal requirements applicable to the conveyance of the Future Development Property and shall deliver any instruments necessary for the City to obtain an owner's title insurance policy in an amount equal to the Purchase Price. The Parties acknowledge the Future Development Deed shall also designate previously identified areas of the Future Development Property that are Restrictive Areas as described in the Environmental Agreement.

(iii) The City shall deliver a permanent sanitary sewer easement in favor of CWA on portions of Prospect Place West for the development, construction, operation and maintenance of sanitary sewer improvements related to The DigIndy Tunnel Project ("**Tunnel Improvements**") based upon other such sanitary sewer easements the City has previously granted to CWA in a location reasonably approved by the City (the "**Tunnel Easement**"). The Tunnel Easement shall also grant CWA an exclusive, temporary construction easement on and across the entirety of Prospect Place West until December 31, 2024 in order to construct the Tunnel Improvements.

(iv) PPE shall be subject to an Environmental Easement which shall contain (1) a reservation of rights in favor of Citizens similar to the access rights described in Article III (A)(viii), (2) a covenant permitting Citizens to record a Certificate of Completion against the title to Prospect Place East in accordance with the procedures and terms contained in Article III (A)(vii), (3) a covenant with respect to Contractors (defined herein) that complies with the terms of Article III (F), and (4) a reservation of rights to record an Environmental Restrictive Covenant, if necessary, as set forth in Section 6 of the Environmental Agreement.

(v) The Parties shall prorate real estate taxes, personal property taxes and other governmental assessments (collectively, "**Governmental Charges**") on an assessment basis as is customary for commercial real estate transactions in Indianapolis, Indiana based on the most current tax bill available. Governmental Charges first due and payable prior to the Closing Date shall be paid by Citizens. All other items customarily apportioned in Indiana in connection with the sale of similar properties shall be pro-rated as of the date the Future Development Property is conveyed to the City.

E. Subsequent Conveyance of Citizens Property. For a period of seven (7) years after the execution of the Ground Lease and the conveyance of the fee simple title of the Future Development Property, in the event the City conveys, assigns, subleases or otherwise transfers an interest in the Citizens Property to a third party for the purpose of facilitating the Project or any other development (individually and collectively, a "**Transfer**"), the City shall pay Citizens fifty percent (50%) of the Net Proceeds (which shall be the consideration received for the Transfer less the value of any improvements made on the property and less the allocated purchase price for the property), if any, received from a Transfer ("**Transfer Consideration**") on the earlier of the closing of the Transfer or the date the City receives Transfer Consideration. A Transfer shall not include (i) the City's conveyance of a real property interest to a utility provider or a public entity that will provide utility or public services to the contemplated development or any other easement rights; (ii) space leases for a part of any building constructed on the Citizens Property; and (iii) license, profits or similar short term agreements of ninety (90) days or less.

F. Deed Covenants. An important consideration in Citizens' willingness to enter into this Agreement and perform the obligations contained herein is that the City be responsible for the conduct of its representatives, contractors, consultants, developers and agents that perform services related to the development, construction and operation of the Project or other work that involves the Citizens Property (collectively, "**Contractor(s)**"). Accordingly, the City shall ensure that the type of Contractors identified in Paragraph 13 of the Environmental Agreement shall comply with Paragraph 13 of the Environmental Agreement including but not

limited to the execution and delivery to Citizens of an Accession Agreement (as such term is defined in the Environmental Agreement) for as long as such obligations are in effect under the Environmental Agreement (collectively, "**Contractor Obligations**"). The City's obligations in this Article III (F) shall run with the title to the Citizens Property and shall be recorded in the deed records as a memorandum of the Environmental Agreement. The Contractor Obligations shall not include Contractor work or services that solely involve the interior of constructed improvements once the improvement at issue has been completed.

G. Reserved Utility Easements. The Parties acknowledge that the Citizens Property is burdened by gas improvements related to Citizens' operation of the System and sanitary sewer improvements related to Citizens' operation of the municipal sanitary sewer system that are depicted on Exhibit B (collectively, the "**Citizens Utilities**"). To the extent the Citizens Utilities are not located in easements or other recorded occupancies as of the Effective Date, the Parties shall use good faith efforts to memorialize Citizens' right to utilize the Citizens Utilities in the Ground Lease and any mutually agreeable and commercially reasonable easements necessary to reserve such rights upon delivery of the Deed and/or the Future Development Deed.

ARTICLE IV. ENVIRONMENTAL MATTERS

A. General Environmental Matters. The City acknowledges that portions of the Core Properties and PPE have been historically used as a facility that used coal to manufacture gas for delivery to the System and to manufacture other by-products. The City further acknowledges it understands that portions of the Core Properties and PPE contain soil and other materials that cannot be disturbed, removed or stored without considering Citizens' obligations under the RWP and the Parties' compliance with the Soil Management Plan attached to the RWP (collectively, "**Environmental Matters**"). All Environmental Matters related to the Core Properties and PPE shall be addressed in a separate environmental agreement to be executed between the Parties on even date herewith (the "**Environmental Agreement**"). The final form of the Environmental Agreement shall be subject to such modification as may be required due to IDEM requirements or changes to the RWP so long as approved by the City and Citizens, such approval not to be unreasonably withheld, conditioned or denied. The Parties further agree there may be certain synergies between the work Citizens will perform to implement the RWP and the work the City will perform to develop and construct the Community Justice Facilities that could result in cost savings or other value to one or both Parties (collectively, "**Cost Savings**"). The Parties shall use good faith efforts to incorporate Cost Savings into the Environmental Agreement to the extent mutually acceptable and beneficial to both Parties. The City shall have no obligation in the Environmental Agreement to assume any responsibility or incur any costs for Citizens' implementation of the RWP that do not result in Cost Savings. Citizens shall have no obligation to assume any responsibility or incur any costs for the City's development and construction of the Community Justice Facilities that do not result in Cost Savings.

B. Credits for Cost Savings. The Parties intend that any Cost Savings mutually agreed upon under the terms of the Environmental Agreement shall be credited against the City's obligation to pay the Lease Fee or added to the City's obligation to pay the Lease Fee, depending

on which Party is performing the Cost Savings activity. In the event the agreed-upon Cost Savings cannot be determined until after the execution of the Ground Lease, each Party shall reimburse its respective share of any Cost Savings to the other Party pursuant to the Environmental Agreement within thirty (30) days of the mutual determination of the amount of the Cost Savings. The Parties' obligations with respect to post-Ground Lease execution reimbursement of Cost Savings shall be governed by the Environmental Agreement.

ARTICLE V. ACCESS TO CITIZENS PROPERTY

The Parties acknowledge the City has had access to the Core Properties for the purpose of preliminary Project planning pursuant to that certain Access Agreement executed by the Parties on May 9, 2017 (the "**Access Agreement**"). The City's rights to access the Core Properties prior to the execution of the Ground Lease shall continue to be subject to and in accordance with the terms of Access Agreement. The City and Citizens hereby agree that the Access Agreement is hereby incorporated into this Agreement by this reference thereto as if fully set forth herein in its entirety and applies to PPE, Prospect Place West and Twin Aire in addition to the Core Properties. Upon the execution of the Ground Lease and the delivery of the Future Development Deed, the Access Agreement shall terminate and the Parties shall have no further rights or obligations to one another under the Access Agreement, except those rights and obligations that expressly survive termination.

ARTICLE VI. INFRASTRUCTURE IMPROVEMENTS

The City will be solely responsible for all necessary infrastructure improvements and utility facilities for the Project. To the extent the City requests utilities supplied by Citizens, Citizens will use commercially reasonable and customary efforts in ensuring that utilities sufficient to support the Project will be made available to the City upon the terms and conditions that are available to other Citizens' rate payers. Any Citizens owned facilities necessary for the Project or otherwise requested by the City will be installed pursuant to all applicable laws and regulatory approvals necessary for Citizens to comply with the service requested. Any utility service the City requests from Citizens shall be memorialized in a separate agreement or agreements that incorporate Citizens' applicable standard tariff and terms and conditions, which are on file with the Indiana Utility Regulatory Commission ("Commission") and are subject to modification from time to time, subject to the Commission's approval.

ARTICLE VII. REPRESENTATIONS AND WARRANTIES

A. Citizens Representations and Warranties.

(i) Citizens has all requisite power and authority to execute and deliver this Agreement. Subject to Article VIII below, the execution and delivery of this Agreement and the performance of the obligations of Citizens hereunder and the consummation by Citizens of the transactions contemplated by this Agreement have been duly and validly authorized by all necessary action, and no other proceeding on the part of Citizens is necessary to authorize the execution, delivery and performance of this Agreement. This Agreement has been duly executed and delivered by Citizens and constitutes a legal, valid and binding obligation of Citizens, enforceable against Citizens in accordance with

its terms and conditions, except to the extent that enforceability may be limited by applicable bankruptcy, insolvency, reorganization or other laws affecting the enforcement of creditors' rights generally.

(ii) The execution, delivery and performance of this Agreement by Citizens upon satisfaction of the conditions set forth herein do not and shall not: (a) violate or conflict with any provision of any governing document of Citizens; (b) violate any provision of law, or any order, judgment or decree of any court or other governmental authority, or (c) violate or result in a breach of, or constitute (with due notice or lapse of time or both) a default under any contract, lease, loan agreement, mortgage, security agreement, trust indenture or other agreement or instrument to which Citizens is a party or by which it is bound or to which any of its properties or assets is subject; in each case where such violation, breach, default or resulting lien or restriction could reasonably be expected to have a material adverse effect on the consummation of any of the transactions contemplated by this Agreement. Notwithstanding anything to the contrary in this Agreement, Citizens must obtain the approvals described in Article VIII (C) before it can perform certain obligations under this Agreement.

(iii) The execution, delivery and performance of this Agreement by Citizens and the consummation by Citizens of the transactions contemplated hereby will not require any notice to, or consent, authorization or approval from any person or governmental authority or any third party other than affiliates of Citizens, other than as identified in this Agreement and/or as communicated to the City in writing.

(iv) Citizens has not entered into any leases or other occupancy agreements demising any portion of the Citizens Property other than matters of record and, to Citizens' knowledge, there are no leases or other occupancy agreements demising any portion of the Citizens Property other than matters of record.

(v) No demands, claims, or litigation, including but not limited to condemnation, eminent domain, or similar proceedings, has been served upon Citizens with respect to the Citizens Property that remains outstanding, and, to Citizens' knowledge, no such demands, claims or litigation have been threatened in writing, except to the extent the Core Properties' and PPE's enrollment in the VRP and the submission of the RWPs to IDEM could be considered litigation, a demand or a claim.

(vi) No broker, finder or other person is entitled to any commission or finder's fee by reason of any agreement or action of Citizens in connection with this Agreement or the transactions contemplated by this Agreement.

B. City Representations and Warranties.

(i) The City has all requisite power and authority to execute and deliver this Agreement. Subject to Article VIII below, the execution and delivery of this Agreement and the performance of the obligations of the City hereunder and the consummation by the City of the transactions contemplated by this Agreement have been duly and validly authorized by all necessary action, and no other proceeding on the part of the City is

necessary to authorize the execution, delivery and performance of this Agreement. This Agreement has been duly executed and delivered by the City and constitutes a legal, valid and binding obligation of the City, enforceable against the City in accordance with its terms and conditions, except to the extent that enforceability may be limited by applicable bankruptcy, insolvency, reorganization or other laws affecting the enforcement of creditors' rights generally.

(ii) The execution, delivery and performance of this Agreement by the City upon satisfaction of the conditions set forth herein do not and shall not: (a) violate or conflict with any provision of any governing document of the City; (b) violate any provision of law, or any order, judgment or decree of any court or other governmental authority, or (c) violate or result in a breach of, or constitute (with due notice or lapse of time or both) a default under any contract, lease, loan agreement, mortgage, security agreement, trust indenture or other agreement or instrument to which the City is a party or by which it is bound or to which any of its properties or assets is subject; in each case where such violation, breach, default or resulting lien or restriction could reasonably be expected to have a material adverse effect on the consummation of any of the transactions contemplated by this Agreement. Notwithstanding anything to the contrary in this Agreement, the City must obtain the approvals described in Article VIII (B) before it can perform certain obligations under this Agreement.

(iii) The execution, delivery and performance of this Agreement by the City and the consummation by the City of the transactions contemplated hereby will not require any notice to, or consent, authorization or approval from any person or governmental authority or any third party.

(iv) No broker, finder or other person is entitled to any commission or finder's fee by reason of any agreement or action of the City in connection with this Agreement or the transactions contemplated by this Agreement.

C. Survival. All of the representations and warranties contained in this Article VII shall survive for a period of six (6) months after the Termination Date.

D. Limitation on Citizens' Representations and Warranties. Except for the representations and warranties of Citizens expressly set forth in this Agreement, the Ground Lease and the Environmental Agreement, the City warrants and acknowledges to and agrees with Citizens that the City is leasing the Core Properties and acquiring the Citizens Property in their "as-is, where is" condition "with all faults", and specifically and expressly without any warranties, representations or guarantees, either express or implied, as to its condition, fitness for any particular purpose, merchantability, or any other warranty of any kind, nature, or type whatsoever from or on behalf of Citizens. Except for the representations and warranties of Citizens expressly set forth in this Agreement, the Ground Lease and the Environmental Agreement, Citizens specifically disclaims any warranty, guaranty or representation, oral or written, past or present, express or implied, concerning (i) the value, nature, quality or condition of the Citizens Property, including, without limitation, the water, soil, geology and geotechnical suitability for the Project, (ii) the income to be derived from the Citizens Property, (iii) the suitability of the Citizens Property for any and all activities and uses which the City may conduct

thereon, including the possibilities for future development of the Future Development Property, (iv) the compliance of or by the Citizens Property or its operation with any laws, rules, ordinances or regulations of any applicable governmental authority or body, (v) the habitability, merchantability, marketability, profitability or fitness for a particular purpose of the Citizens Property, (vi) the manner or quality of the construction or materials, if any, incorporated into the Citizens Property, (vii) the manner, quality, state of repair or lack of repair of the Citizens Property, or (viii) any other matter with respect to the Citizens Property. The City acknowledges and agrees that, except for the representations and warranties of Citizens expressly contained in this Agreement, any information provided by or on behalf of Citizens with respect to the Citizens Property was obtained from a variety of sources and that Citizens has not made any independent investigation or verification of such information and makes no representations or warranties as to the accuracy or completeness of such information. Citizens shall not be liable or bound in any manner by any oral or written statements, representations or information pertaining to the Citizens Property, or the operation thereof, furnished by any Citizens' agent, employee, servant or other person except for the express representations and warranties set forth in this Agreement. The City further acknowledges and agrees that the City is sophisticated and experienced with respect to the leasing, acquisition and development of properties such as the Citizens Property and has been duly represented by counsel and other professionals in connection with the negotiation of this Agreement. Citizens has made no agreement with the City to alter, repair or improve the Citizens Property as part of this transaction, except for Citizens' obligations under the RWP or as provided in the Environmental Agreement.

E. The City acknowledges that it has and will continue to have the opportunity to inspect the Citizens Property prior to execution of the Ground Lease, and during such period, observe its physical characteristics and existing conditions and the opportunity to conduct such investigation and study on and of the Citizens Property and adjacent areas as the City deems necessary to develop and construct the Project. The City further acknowledges that changes in applicable laws and regulations may impact the use or future development of the Citizens Property and that adverse physical characteristics and conditions may not have been revealed by its investigation.

ARTICLE VIII. CONDITIONS PRECEDENT

A. Conditions Precedent. The Parties acknowledge and agree that each Party must obtain additional approvals in order to proceed with the Project (the "**Condition(s) Precedent**") which shall be satisfied no later than October 31, 2018 (the "**Condition Date**"). If any Conditions Precedent is not resolved by the Condition Date, this Agreement shall terminate unless the Parties agree to extend the Condition Date. The Parties further acknowledge and agree their obligation (i) to perform the obligations under this Agreement and (ii) to execute the Ground Lease and the Environmental Agreement is contingent upon each Party's satisfaction or waiver of their respective Conditions Precedent by the Condition Date. The Parties agree to work reasonably and in good faith to satisfy the Conditions Precedent on or before the Condition Date.

B. The City's Conditions Precedent. The following shall be the Conditions Precedent to the City's obligations under this Agreement and with respect to the Project:

(i) the City determines in its sole discretion it can execute and perform its obligations under the Ground Lease and the Environmental Agreement in accordance with all statutory, regulatory, legal and other requirements that are applicable to Citizens and the City and any Citizens affiliates that may own portions of the Citizens Property, including, but not limited to, the approval of the Agreement;

(ii) the City obtains all necessary approvals and consents which the City determines in its sole and absolute discretion are necessary or advisable to comply with any and all laws, statutes, rules, regulations applicable to the development of the Project on the Citizens Property and the conveyance of the Citizens Property to the City and related to entering into the Ground Lease and the Environmental Agreement;

(iii) the City determines the Project can be developed and constructed on the Core Properties in such a manner that the Citizens Site Impact Approvals can be satisfied;

(iv) the City determines, in its sole and absolute discretion that neither it, nor Citizens is subject to any injunction, preliminary restraining order or other similar decree of a court of competent jurisdiction prohibiting the consummation of the Project;

(v) the City has completed, to its satisfaction, its business, financial, legal, regulatory, environmental, geo-technical and similar due diligence with respect to the suitability of the Citizens Property for the Project;

(vi) the Parties have mutually approved the Site Development Plans; and

(vii) the Parties have mutually approved the terms of the Ground Lease and Environmental Agreement; and

(viii) City has approved the PPE ERC, as defined below.

C. Citizens Condition Precedent. The following shall be the Conditions Precedent to Citizens' obligations under this Agreement and with respect to the Project:

(i) Citizens determines in its sole discretion it can execute and perform its obligations under the Ground Lease, the Environmental Agreement and the conveyance of the Future Development Property in accordance with all statutory, regulatory, procedural, and other legal requirements that are applicable to Citizens and the City and any Citizens affiliates that may own portions of the Citizens Property, including, but not limited to, the approval of the Agreement;

(ii) Citizens obtains all necessary corporate, board, third-party and other approvals and consents, which Citizens determines in its sole and absolute discretion are necessary or advisable to comply with any and all laws, statutes, rules, and regulations applicable to the approval and terms of this Agreement, the Ground Lease, the Environmental Agreement and the conveyance of the Future Development Property;

(iii) Citizens determines in its sole and absolute discretion and at any time that the Project and Site Development Plan can be developed and constructed on the Core

Properties in such a manner that the Citizens Site Impact Approvals can be satisfied and that its obligations under the Ground Lease and Environmental Agreement comply with Citizens' obligations under the RWP and all other environmental, health and safety obligations;

(iv) IDEM has issued final written approval of the RWP upon terms that Citizens determines are acceptable in Citizens' sole and absolute discretion;

(v) Citizens determines, in its sole and absolute discretion that neither it, nor the City, is subject to any injunction, preliminary restraining order or other similar decree of a court of competent jurisdiction prohibiting the consummation of the Project;

(vi) the Parties have mutually approved the Site Development Plans;

(vii) the Parties have mutually approved the terms of the Ground Lease and the Environmental Agreement; and

(viii) IDEM has approved the Environmental Restrictive Covenant for Prospect Place East (the "**PPE ERC**") and Citizens has recorded the PPE ERC against title to PPE.

D. Failure to Satisfy a Condition Precedent. If either Party determines in its sole discretion it cannot satisfy, waive, or otherwise resolve one or more of its respective Conditions Precedent on or before the Condition Date, the Party's sole remedy shall be to terminate this Agreement by written notice to the other Party, in the event the Parties shall have no further right or obligation under this Agreement (except for rights and obligations herein which expressly survive the termination of the Agreement). Termination of this Agreement shall not impact the Parties' obligations under the Access Agreement or the Mutual Non-Disclosure Agreement.

ARTICLE IX. GENERAL PROVISIONS.

A. Term. The term of this Agreement shall be for the period commencing on the Effective Date and continuing through the Termination Date (the "**Term**"). As used herein, the "**Termination Date**" shall be the earlier of the date that (i) the Citizens Property is conveyed from Citizens to the City pursuant to the terms of the Ground Lease, or (ii) this Agreement is canceled or terminated pursuant to the terms and conditions herein. If the Termination Date occurs after the execution of the Ground Lease and Environmental Agreement, the Ground Lease and Environmental Agreement shall continue in accordance with their terms.

B. Assignment. Subject to the provisions of Article III(A)(vi), neither Party shall be entitled to assign its rights hereunder without the express written consent of the other Party, which consent shall not be unreasonably withheld, denied or conditioned; provided that the City may assign its interest herein to another department, agency or political subdivision of the City and may collaterally assign its right under this Agreement in connection with any financing for the Project without any consent or approval from Citizens.

C. No Waiver. No failure on either Party's part at any time to require the other Party's performance of any term hereof shall be taken or held to be a waiver of such term or in any way affect such Party's right to enforce such term, and no waiver on either Party's part of any

term hereof shall be taken or held to be a waiver of any other term hereof or breach thereof.

D. Severability. Invalidity or unenforceability of any particular provision hereof shall not affect the other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision had not been contained herein.

E. Entire Agreement: Written Modifications. This Agreement, in conjunction with the Environmental Agreement, Ground Lease, and any subsequent documentation agreed-upon by the Parties to effectuate the terms of these agreements, contains the entire understanding between the Parties with respect to environmental matters related to the Citizens Property. All prior representations, promises, and oral agreements between the Parties with respect to environmental matters are merged hereunto and expressed herein. This Agreement shall not be amended, modified or supplemented except by written agreement signed by both Parties.

F. Governing Law. This Agreement shall be governed by and subject to the laws of the State of Indiana.

G. Captions. The captions herein are for convenience and identification purposes only, are not an integral part hereof, and are not to be considered in interpretation of any part hereof.

H. Notices. All notices and other communications hereunder, including, without limitation, all requests for approvals and notices of approvals or disapprovals, shall be in writing and shall be deemed to have been duly given if sent personally, by a reputable, publicly traded overnight delivery service or by certified or registered mail, return receipt requested, postage prepaid, addressed as follows:

To Citizens:	Citizens Energy Group 2020 North Meridian Street Indianapolis, IN 46202-1393 Attn: Ms. Jennett M. Hill, Esq.
With a Copy To:	Ice Miller LLP One American Square, Suite 2900 Indianapolis, IN 46282 Attn: Mr. Richard J. Thrapp, Esq.
To the City:	City of Indianapolis Corporation Counsel City-County Building, 1601 200 E. Washington St. Indianapolis, IN 46204 Attn: Mr. Andrew J. Mallon, Esq.
With a Copy To:	Faegre Baker & Daniels 300 N. Meridian Street, Suite 2700 Indianapolis, IN 46204

Attn: Mr. Scott Chinn, Esq.

or to such other address as shall be furnished in writing by either Party to the other Party. All notices and other communications hereunder given in the manner provided above shall be deemed effective on the date personally delivered or, if sent by certified mail or by overnight mail, on the date of delivery or when delivery is first attempted.

I. Confidentiality. The Parties executed a Mutual Non-Disclosure Agreement on March 28, 2017, in order to facilitate the Parties' discussions regarding the Project (the "NDA"). The provisions of the NDA are hereby incorporated into this Agreement in all respects, and all information shared between the Parties shall be subject to the NDA, including the provisions regarding Common Legal Interest set forth in Section 5 of the NDA. The effectiveness and enforceability of the NDA shall be separate from and shall survive the termination of this Agreement. No other provision of this Agreement shall be construed as authorizing the disclosure of Confidential Information (as defined in the NDA) that concerns Common Legal Interest or waiving the Common Legal Interest Privilege.

J. Cooperation. The Parties agree to cooperate with each other, acting reasonably and in good faith, in the implementation of the terms of this Agreement, including, without limitation, preparing the form of the Ground Lease, the Environmental Restrictive Covenants and other documents required to implement the terms of this Agreement, and making any RWP required amendments to the Environmental Agreement, permitting access to the RWP in connection with the preparations of the Site Development Plans and for other due diligence related to the Project, and assisting the Parties in obtaining any required permits and approvals for each of their obligations under this Agreement including, without limitation, the execution of any zoning or land use applications or documentation. Such cooperation shall include Citizens signing authorizations and/or consents for the City to obtain zoning modifications and other land use approvals related to the Project, so long as Citizens does not incur third party costs in cooperating with the City.

K. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same instrument. For evidentiary purposes, faxed or electronically transmitted counterparts of this Agreement shall be deemed to be originals.

[The rest of this page has been intentionally left blank.]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

CITY:

CONSOLIDATED CITY OF INDIANAPOLIS
AND MARION COUNTY



Andrew J. Mallon, Corporation Counsel

APPROVED AS TO FORM AND LEGALITY:



Corporation Counsel

(Signature Page to Project Agreement)

CITIZENS:

DEPARTMENT OF PUBLIC UTILITIES FOR
THE CITY OF INDIANAPOLIS, ACTING BY
AND THROUGH THE BOARD OF DIRECTORS
FOR UTILITIES, AS TRUSTEE, IN
FURTHERANCE OF A PUBLIC CHARITABLE
TRUST D/B/A CITIZENS ENERGY GROUP

A handwritten signature in blue ink, appearing to read 'J. Harrison', written over a horizontal line.

Jeffrey A. Harrison, President and Chief Executive
Officer

(Signature Page to Project Agreement)

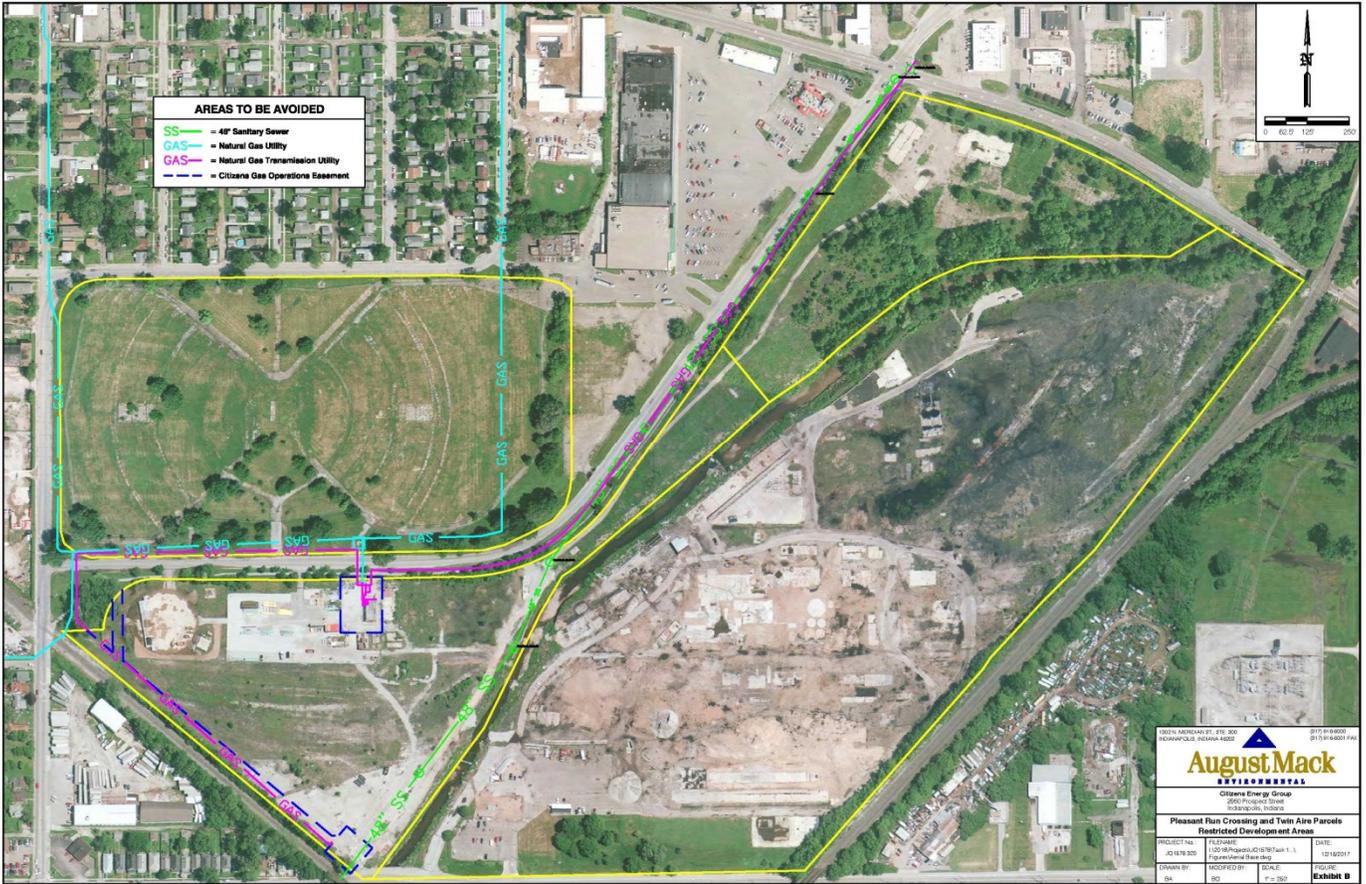
EXHIBIT A

CITIZENS PROPERTY



EXHIBIT B

CITIZENS UTILITIES



**COMMUNITY JUSTICE CAMPUS
ENVIRONMENTAL AGREEMENT**

This Environmental Agreement (“Agreement”) is entered into between the City of Indianapolis (“City”) and the Department of Public Utilities for the City of Indianapolis, acting by and through the Board of Directors for Utilities, as successor trustee, in furtherance of a public charitable trust d/b/a Citizens Energy Group (“Citizens”) (each being referred to herein as a “Party” or collectively as the “Parties”) pursuant to the Project Agreement executed between the Parties on 12-17-17 (the “Project Agreement”). Unless uniquely defined herein, all terms defined in the Project Agreement shall have the same meanings when used in this Agreement. The Effective Date of this Agreement shall be the same as the Effective Date of the Project Agreement.

A. Background

1. The City intends to construct the Project on Citizens-owned property in accordance with the terms of the Project Agreement. Exhibit A attached hereto depicts the six discrete parcels that make up the property for the Project (“Citizens Property”). The Parties acknowledge that Citizens has enrolled portions of the Citizens Property identified on Exhibit A as Pleasant Run Crossing North, Pleasant Run Crossing South, Pleasant Run Crossing, (the “Core Properties”) and Prospect Place East (“PPE”) in the Indiana Department of Environmental Management’s (“IDEM”) Voluntary Remediation Program (the “VRP”). The City hereby acknowledges that the Core Properties and PPE are impacted by historic manufacturing operations and that Citizens will be undertaking certain environmental remediation activities to make the Core Properties and PPE suitable for commercial redevelopment, such as for the City’s construction and operation of the Community Justice Facilities and the Project. The Project Agreement and the Ground Lease govern the overall terms and conditions by which the City will obtain rights to the Citizens Property for construction and operation of the Project.

2. This Agreement describes, among other things: the terms and conditions regarding how environmental impacts at the Core Properties and PPE will be addressed; access to the Core Properties and PPE to perform various environmental activities (including remediation, operation and maintenance of the groundwater collection and treatment system, and sampling, monitoring and maintaining groundwater monitoring wells); and restrictions on developing portions of the Citizens Property.

B. Environmental Terms and Conditions

1. Remediation Work Plans. As stated above, Citizens has enrolled the Core Properties and PPE in the Indiana VRP. On April 30, 2010, Citizens submitted to IDEM a Remediation Work Plan (RWP) for PPE, which was approved by IDEM on March 1, 2011 (the “2011 RWP”). On December 5, 2016, Citizens submitted a Remediation Completion Report to IDEM reflecting that Citizens has completed the work required by the 2011 RWP. By letter dated April 21, 2017, IDEM provided comments on the PPE Remediation Completion Report and Citizens is working with IDEM to resolve those comments. On July 31, 2017, Citizens submitted to IDEM an RWP for the Core Properties, which was amended on November 3, 2017 (the “2017 RWP”). The 2011 RWP and 2017 RWP (collectively the “RWPs”) describe the work that Citizens

will perform to render the Core Properties and PPE suitable for commercial redevelopment such as the Project, and to satisfy Citizens' obligations under the VRP. As set forth in Section VIII.C(iv) of the Project Agreement, Citizens' obligations under the Project Agreement are conditioned upon IDEM's approval of the 2017 RWP. Citizens shall be solely responsible for negotiating the terms of the 2017 RWP with IDEM and for receiving IDEM's final approval of the 2017 RWP.

2. Citizens to Implement the RWPs. Citizens shall be solely responsible to perform the work required by the approved RWPs as necessary to obtain a Certificate of Completion from IDEM pursuant to Ind. Code 13-25-5-16, and a Covenant Not to Sue from the Governor of the State of Indiana pursuant to Ind. Code 13-25-5-18 (the "Remediation Work"). Issuance of the Certificate of Completion and Covenant not to Sue will signify that all Remediation Work required by the approved RWPs has been successfully completed. Citizens shall take reasonable measures in performing the Remediation Work to coordinate completion of the Remediation Work with the City's site preparation, redevelopment work, and construction of the Community Justice Facilities (the "Redevelopment Work"), and to minimize disturbance or interference with the City's rights to occupy and use the Core Properties and PPE. With respect to any groundwater monitoring wells required under the approved RWPs and any deep rock tunnel monitoring wells (collectively referred to as "groundwater monitoring well" or "groundwater monitoring wells" and generally depicted in Exhibit B.1 attached hereto), the City shall, upon submission of an itemized invoice from Citizens issued by its contractor, reimburse Citizens for the costs incurred by Citizens (i) to properly abandon any groundwater monitoring well that needs to be abandoned prior to construction to facilitate the City's Redevelopment Work, which Citizens shall abandon no later than sixty (60) days following written notice from the City that lists wells to be abandoned, and (ii) to install replacement groundwater monitoring wells as required by IDEM or as needed for the DigIndy Tunnel Project; *provided, however*, Citizens shall not be entitled to reimbursement for abandoning any well that IDEM determines does not need to be replaced. If the City has already reimbursed Citizens for any such well prior to IDEM's determination, Citizens shall refund to the City the amount the City paid for that abandonment within a reasonable time of IDEM's determination. Citizens will use reasonable efforts to negotiate with IDEM the number and location of any future replacement groundwater monitoring wells in an effort to minimize impact or disruption of the City's Redevelopment Work, and the City will provide reasonable assistance to Citizens if requested in those negotiations.

3. Costs of RWP Implementation and Potential Cost Savings. Citizens shall be solely responsible for the costs necessary to perform the Remediation Work. The Parties acknowledge that certain aspects of the City's Redevelopment Work will overlap with Citizens' Remediation Work required by the 2017 RWP. The Parties agree to follow the procedures in this Paragraph 3 and to collaborate and to work together in good faith to identify such areas of potential overlap and to develop plans to reduce costs to each Party while still ensuring Citizens' 2017 RWP Remediation Work and the City's Redevelopment Work are fully performed (referred to herein as "Cost Savings"). (The Parties acknowledge and agree that there are no opportunities for Cost Savings under the 2011 RWP.) The City shall have no obligation to assume any responsibility or incur any costs for Citizens' implementation of the 2011 RWP. The City shall have no obligation to assume any responsibility or incur any costs for Citizens' implementation of the 2017 RWP that do not result in Cost Savings to the City. Citizens shall have no obligation to assume any responsibility or incur any costs for the City's Redevelopment Work that does not result in Cost Savings to Citizens under the 2017 RWP.

The process the Parties shall follow to identify potential Cost Savings is described in this Paragraph 3. The intent of the Parties in agreeing to this collaborative process is to identify methods, procedures, and efficiencies that will achieve Cost Savings for the Parties while also satisfying the requirements of both the 2017 RWP and the Redevelopment Work for the Project.

- a. Within ninety (90) calendar days of the date the City provides Citizens the Site Development Plans required by the Project Agreement, or IDEM's final approval of the 2017 RWP, whichever is later, Citizens shall identify the costs for Citizens to complete components of the approved 2017 RWP where there is potential overlap with the Redevelopment Work ("Remediation Work Costs"), and such information shall be provided to the City.
- b. Within forty-five (45) calendar days of receiving the Remediation Work Costs, the City will provide Citizens a written description of the confirmed components of its Redevelopment Work which it believes will overlap with Citizens' Remediation Work and result in Cost Savings while also satisfying the requirements of the final approved 2017 RWP.
- c. Within forty-five (45) calendar days of Citizens receiving the information from the City pursuant to Subparagraph (b) above, Citizens' environmental consultant, in its sole judgment and discretion, shall make a final determination as to whether the City's Redevelopment Work will satisfy the 2017 RWP and verify and approve the amount of the Cost Savings. Such determination shall be at the sole and absolute discretion of Citizens and shall be the final determination on the available Cost Savings.
- d. For the Cost Savings amounts verified and approved by Citizens, the City shall be entitled to an amount equal to 50% of the total Cost Savings as a credit against the Lease Fee. All Costs Savings shall be determined by January 1, 2019. Based on the Parties' preliminary examination of potential Cost Savings, the Parties estimate that each Party's 50% share of the Cost Savings could be a maximum of approximately \$850,000 subject to further refinement and diligence of the Parties as described in this Paragraph 3.
- e. If reasonably required by the City, the Parties shall take reasonable measures to expedite the deadlines provided in this Paragraph 3 to realize any potential Cost Savings to accommodate the City's schedule for its Redevelopment Work.
- f. The Parties intend to continue investigating other opportunities and identifying tasks that may be mutually beneficial with respect to facilitating Remediation Work and/or Redevelopment Work, including such tasks that may result in additional cost savings, and may mutually agree, in writing, to pursue such opportunities and tasks.
- g. All agreements with respect to Cost Savings and any obligations assumed by the Parties under this Paragraph 3 shall be in writing, signed by both Parties, and incorporated as an exhibit to this Agreement.

4. Other Project Costs. Other than mutually agreed-upon credits for Cost Savings described in Paragraph B.3 above, all costs related to the Redevelopment Work and/or the Project, including without limitation all costs related to implementing the Soil Management Plan that must be followed by any person when soil at the Core Properties is disturbed, are solely the responsibility of the City. The City shall take reasonable measures in performing the Redevelopment Work to coordinate with Citizens in its performance of the Remediation Work, and to minimize any disturbance to and to avoid interfering with the Remediation Work.

5. Restrictions on Development. The City hereby acknowledges and agrees that certain sections of the Core Properties, PPE and Prospect Place West (“PPW”) shall have restrictions on development. Exhibits B.1 and B.2 identify those areas described below within which no City Redevelopment Work can occur without the express, prior written approval of Citizens, for the period in which these features are required to remain in place (“Restricted Areas”). The restrictions and requirements with respect to the subsurface sanitary sewer deep tunnel easement shown on B.1 and B.2 are further described in Article III(A)(vii) and (viii) of the Project Agreement. The City shall be responsible for any damage the City or its Contractor(s) cause to any remediation feature created pursuant to the RWPs, or deep rock tunnel monitoring well including without limitation, the Restricted Areas depicted in Exhibits B.1 and B.2 which are described in more detail below:

a. Groundwater/Oil Recovery System Components

These components include: (1) Existing Recovery Wells, (2) New Oil Skimmer Wells, (3) New Groundwater Extraction Wells, (4) Pull Boxes, (5) Trench Observation Wells, (6) Underground Double-Walled Pipe Trench, and (7) System Building. These components are located southeast of Pleasant Run Creek (“PRC”) on the western portion of the Pleasant Run Crossing parcel. Citizens shall operate and maintain the groundwater/oil recovery system consistent with the terms of the approved 2017 RWP.

b. PRC Liner

A low permeability granulated clay liner (GCL) was installed over an approximate 2,000 linear foot stretch of PRC, beginning at the intersection of PRC and Prospect Street and extending north/northeast. This GCL cannot be disturbed. Citizens will need to inspect, maintain, and repair (if necessary) this GCL consistent with the terms of the approved 2017 RWP.

c. Shallow Monitoring Wells

Citizens’ shallow monitoring well network consists of 12 monitoring wells on the Pleasant Run Crossing North parcel, 23 monitoring wells on the Pleasant Run Crossing South parcel, and 57 monitoring wells on the Pleasant Run Crossing parcel. Citizens will need to monitor and maintain these wells consistent with the terms of the approved 2017 RWP.

d. Deep Monitoring Wells

Citizens' deep monitoring well network consists of four monitoring wells on the Pleasant Run Crossing parcel and three monitoring wells on the Pleasant Run Crossing South parcel. Citizens will need to monitor and maintain these wells consistent with the terms of the approved 2017 RWP.

e. Pleasant Run Creek Deep Rock Tunnel Monitoring Wells

Citizens' Pleasant Run Creek deep rock tunnel monitoring wells consist of one monitoring well on the Pleasant Run Crossing North parcel and one monitoring well on the Pleasant Run Crossing South parcel. Citizens will need to monitor and maintain these wells consistent with its obligations associated with the DigIndy Tunnel Project.

f. Indiana Department of Natural Resources ("IDNR") Mitigation Area

As part of the Pleasant Run Creek Interim Measure ("IM") permitting process, the IDNR required Citizens to mitigate the disturbed riparian habitat following completion of the PRC IM work. Only 4.7 acres of the 8 acre IDNR Mitigation Area depicted on Exhibit B will ultimately need to be set-aside for this Mitigation Area.

g. Interceptor Trench and Collection Vault

The Interceptor Trench and Collection Vault were installed pursuant to the 2011 RWP for PPE. Groundwater flowing north to the northern boundary of PPE is captured by this system and routed to a sewer owned and operated by Citizens. Operation and maintenance of this system are required by the approved RWP for PPE.

6. Land Use and Activity Restrictions. The Parties acknowledge that the final approved RWP for the Core Properties and PPE will require that certain land use and activity restrictions be placed on the Core Properties and PPE through an Environmental Restrictive Covenant ("ERC") which Citizens will record in the Marion County Recorder's Office after the 2017 RWP is approved by IDEM and before title to all or portions of the Core Properties and PPE are deeded to the City as described in Section III.A(vii) of the Project Agreement. Citizens will be responsible for negotiating the terms of the ERC(s) to be recorded on the Core Properties and PPE which, at a minimum, will include the restrictions contained in the approved RWPs and such other provisions required by IDEM. Prior to executing and delivering the Future Development Deed for the Prospect Place West and Twin Aire parcels, Citizens shall also have the right to record a restrictive covenant (RC) against the fee simple title to the Prospect Place West and Twin Aire parcels that prohibits the potable use of groundwater from the parcels and that require that any soil disturbance at those parcels comply with legally required soil management and health and safety plans. The City agrees to fully comply with the ERC(s) and RC(s) recorded on the portions of the Citizens Property that the City leases and/or ultimately owns. Nothing in this Agreement shall prevent the City from seeking IDEM's written approval to modify any ERC(s) after transfer of the Core Properties and/or PPE to the City, provided that the City must provide Citizens with a copy of

any ERC modification request simultaneously when submitting it to IDEM. Until December 31, 2039, Citizens, in addition to IDEM, must approve any modification to an ERC in writing, which shall not be unreasonably withheld by Citizens; on or after January 1, 2040, the City shall provide Citizens notice of, but Citizens will not have the right to approve but may comment on, any such modification request. In no event shall the City be permitted to seek a modification to an ERC that will result in increased costs or obligations to Citizens.

7. Access to Perform Remediation Activities.

a. The City acknowledges that Citizens will continue to own the Core Properties after approval of the 2017 RWP and until fee simple title to all or portions of the Core Properties is transferred to the City or its approved designee pursuant to the Project Agreement and Ground Lease. The City agrees that, while Citizens owns the Core Properties, and after the City or its approved designee acquires fee title to the Core Properties, Citizens shall continue to have full access to the Core Properties to implement and complete the approved RWPs to obtain the Certificate and Covenant Not to Sue.

b. The City further acknowledges and agrees that when Citizens transfers fee simple title to all or a portion of the Core Properties to the City or its approved designee, Citizens shall have the right to reserve in the deed transferring title an easement that will provide Citizens with continuing access to the Core Properties to perform any and all environmental work Citizens reasonably determines is required by law, or that is requested by IDEM, the U.S. Environmental Protection Agency (“EPA”), or any other agency with appropriate jurisdiction, or that is required by any court order.

8. Lease and Transfer of Title. Consistent with Section III of the Project Agreement and the Ground Lease, Citizens will lease the Core Properties to the City until such time as IDEM issues a “Certificate of Completion” pursuant to Ind. Code 13-25-5-16 and the Governor issues a “Covenant Not to Sue” pursuant to Ind. Code 13-25-5-18 signifying that all Remediation Work required by the approved RWPs has been successfully performed. After the Certificate of Completion is received and recorded, and within thirty (30) days of Citizens’ receipt of the Covenant Not to Sue, Citizens will deed the Core Properties to the City or its approved assignee, subject to the reserved easement described in Paragraph 7 above. As provided in Article III(A)(ix) of the Project Agreement, nothing in this Agreement shall prevent the Parties from mutually agreeing to deed Pleasant Run Crossing North and/or Pleasant Run Crossing South, or any portion of these parcels, to the City prior to issuance of the Certificate or the Covenant Not to Sue, provided that with respect to the portion of these parcels at issue Citizens retains (i) its access and use rights in the Ground Lease to the portion of the Core Properties at issue, (ii) its rights described in Article III(A)(iii), (vii) and (viii) of the Project Agreement, and (iii) its rights described in Paragraph 7 of this Agreement.

9. Pollution Legal Liability Insurance. The Parties anticipate acquiring Pollution Legal Liability (“PLL”) insurance with a minimum policy limit of \$25 million for the Citizens Property that covers both Citizens and the City. The Parties shall work together in good faith to evaluate the financial feasibility of such insurance and coverages provided. If the Parties conclude the costs are feasible and coverages appropriate, they will acquire PLL insurance and split the costs 50/50.

10. Contractors Insurance. Citizens and the City (or their contractors) shall maintain, with responsible insurance carriers, adequate insurance for the Remediation Work and Redevelopment Work, each respectively, with both named as insureds, including but not limited to general liability, professional liability, contractors pollution liability, auto, and umbrella/excess as reasonably appropriate and such certificates of insurance shall be made available to the other party at their reasonable request during the term of the Ground Lease, and as it pertains to Citizens, any access thereafter under this Agreement for implementation of the RWP (the “Contractor’s Coverages”).

11. Assignment. Neither Party shall be entitled to assign its rights hereunder without the express written consent of the other Party, which consent shall not be unreasonably withheld, denied or conditioned, provided that the City may assign its interest herein to another department, agency or political subdivision of the City and may collaterally assign its right under this Agreement in connection with any financing for the Project without any consent or approval from Citizens.

12. Environmental Liabilities

- a. The Parties acknowledge and agree that other than the representations, warranties and covenants expressly stated in the Project Agreement and in this Agreement, and in consideration for, among other things, Citizens’ agreement to be solely responsible for the Remediation Work, and the City’s agreement to be solely responsible for the Redevelopment Work, (i) Citizens makes no other representations, warranties or covenants, express or implied, with respect to environmental matters or Environmental Liabilities (as defined below) relating to the Core Properties and PPE, and (ii) the City accepts the Core Properties and PPE “as is/where is, with all faults.”
- b. The City further agrees that it will not seek, assert or bring any claim against Citizens (or its Affiliates) relating to, and specifically releases Citizens (and its Affiliates) from, Environmental Liabilities for environmental conditions existing at the Core Properties and PPE as of the Effective Date.
- c. For purposes of this Agreement, “Environmental Liabilities” shall mean any and all current, future, known, or unknown liabilities, claims, or obligations associated with the Core Properties and PPE arising under any federal, state, or local statute, ordinance, code, regulation, or common law regulating, relating to, or imposing liability for environmental contamination relating to hazardous substances, hazardous materials, contaminants and pollutants of any kind including without limitation common law, the Indiana Environmental Legal Action statute, and the federal statutes commonly known as CERCLA, RCRA, FIFRA, EPCRA, TSCA, OSHA, the Clean Water Act, and the Clean Air Act as well as any state or local law analogues. “Environmental Liabilities” shall further mean any current, future, known, or unknown liabilities, claims, or obligations for increased costs, changes to the Redevelopment Work or the Project, tort claims, and any other liability, claim, cost or obligation whatsoever arising from or related to the presence of any substances in the soil, air, surface water or ground waters of the Core Properties and PPE as of the Effective Date.

- d. Neither Party releases the other Party from any Environmental Liabilities associated with the exacerbation of environmental conditions existing at the Core Properties and PPE as of the Effective Date caused by the other Party's acts or omissions that occur after the Effective Date.
- e. If a third party makes a claim against either or both Parties, either Party shall be entitled to defend its interests by pointing to the acts or omissions of the other Party that occurred before or after the Effective Date, but shall only be able to bring a claim, whether a direct claim, cross claim or third party claim, against the other Party based on the other Party's acts or omissions that occurred after the Effective Date that exacerbated environmental conditions that existed at the Core Properties or PPE as of the Effective Date.

13. Accession Agreements

- a. The Parties acknowledge and agree that they shall be fully responsible for the conduct of their representatives, contractors, consultants, developers and agents (collectively, "Contractors") performing work at the Citizens Property, and shall ensure their full compliance with all aspects of this Agreement.
- b. Any Contractor or other third-party performing work at the Citizens Property that involves grading, excavating, disturbing, moving, filling or compacting soil in any way, or building any structure, prior to January 1, 2040, and any third party acquiring any right, title, or interest in the Citizens Property through assignment, sublease, purchase or otherwise, shall be provided a copy of this Environmental Agreement and all of its attachments prior to performing any work at the Citizens Property and shall specifically execute a written Accession Agreement approved by Citizens that states:
 - i. it has read and agrees to be bound by the site restrictions, obligations and restrictions contained in Paragraphs 5, 6, 7, 8, 10, 12, and 13 of this Agreement;
 - ii. it specifically acknowledges that there are known and unknown preexisting environmental conditions at the Citizens Property;
 - iii. it specifically acknowledges that there are currently, or will be in the future, ERCs on the Citizens Property with which it will fully comply; and
 - iv. it specifically releases and waives any claims against Citizens as described in Paragraph 12 of this Agreement.
- c. Copies of all Accession Agreements executed within five (5) years of the Effective Date shall be provided to Citizens. The City acknowledges and agrees that its obligation to obtain fully-executed Accession Agreements is a critical term of this Agreement and the failure by the City to do so is a breach subject to enforcement through a request for specific performance and damages. Should any claims be asserted against Citizens as a result of the City's failure to obtain an Accession Agreement as required by this Paragraph, the City shall fully defend, indemnify

and hold harmless Citizens from any such claim and any resultant judgment or award.

- d. The obligations under this Paragraph 13 to acquire Accession Agreements shall terminate ten (10) years after Citizens deeds the Core Properties or PPE to the City, respectively. The requirements under this Paragraph 13 (i) shall not include Contractor work or services that solely involve the interior of any constructed improvement once the improvement at issue has been completed; and (ii) shall be limited to prime contractors provided that any prime contracts must contain a provision that the prime contractor's sub-contractors shall also be bound and comply with the terms of the Accession Agreement.
- e. The Parties agree that Citizens may record in the deed records for the Citizens Property a Memorandum of this Agreement.

14. No Waiver. No failure on either Party's part at any time to require the other Party's performance of any term hereof shall be taken or held to be a waiver of such term or in any way affect such Party's right to enforce such term, and no waiver on either Party's part of any term hereof shall be taken or held to be a waiver of any other term hereof or breach thereof.

15. Severability. Invalidity or unenforceability of any particular provision hereof shall not affect the other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision had not been contained herein.

16. Entire Agreement: Written Modifications: Incorporated by Reference. This Agreement, in conjunction with the Project Agreement, Ground Lease, and any subsequent documentation agreed-upon by the Parties to effectuate the terms of these agreements, contains the entire understanding between the Parties with respect to environmental matters related to the Citizens' Property. All prior representations, promises, and oral agreements between the Parties with respect to environmental matters are merged hereunto and expressed herein. This Agreement shall not be amended, modified or supplemented except by written agreement signed by both Parties. Exhibits A, B.1 and B.2 are expressly incorporated by reference herein.

17. Governing Law. This Agreement shall be governed by and subject to the laws of the State of Indiana.

18. Notices. All notices and other communications hereunder, including, without limitation, all requests for approvals and notices of approvals or disapprovals, shall be in writing and shall be deemed to have been duly given if hand delivered; if emailed; if sent by certified or registered mail, return receipt requested, postage prepaid; or if sent by overnight delivery, addressed as follows:

To Citizens: Citizens Energy Group
 2020 Meridian Street
 Indianapolis, IN 46202-1393
 Attn: Ms. Jennett M. Hill, Esq.
 jhill@citizensenergygroup.com

With a Copy To: Barnes & Thornburg LLP
11 S Meridian Street
Indianapolis, IN 46204
Attn: Mr. John Kyle III, Esq.
john.kyle@btlaw.com

To the City: City of Indianapolis
Corporation Counsel
City-County Building, 1601
200 Washington St.
Indianapolis, IN 46204
Attn: Mr. Andrew J. Mallon, Esq.
andy.mallon@indy.gov

With a Copy To: Faegre Baker & Daniels
300 Meridian Street, Suite 2700
Indianapolis, IN 46204
Attn: Mr. H. Max Kelln, Esq.
h.max.kelln@faegrebd.com

or to such other address as shall be furnished in writing by either party to the other Party. All notices and other communications hereunder given in the manner provided above shall be deemed effective on the date personally delivered, two (2) days after the date deposited with the United States Postal Service or, if sent by certified mail or by overnight mail, on the date of delivery or when delivery is first attempted.

19. Public Announcements. Subject to applicable law, the content and methods of dissemination of public announcements relating to this Agreement or other agreements and understandings between the Parties will be mutually agreed upon by the Parties to the extent practicable.

20. Confidentiality. The Parties executed a Mutual Non-Disclosure Agreement on March 28, 2017, in order to facilitate the Parties' discussions regarding the Project (the "NDA"). The provisions of the NDA are hereby incorporated into this Agreement in all respects, and all information shared between the Parties shall be subject to the NDA, including the provisions regarding Common Legal Interest set forth in Section 5 of the NDA. The effectiveness and enforceability of the NDA shall be separate from and shall survive the termination of this Agreement. No other provision of this Agreement shall be construed as authorizing the disclosure of Confidential Information (as defined in the NDA) that concerns Common Legal Interest or waiving the Common Legal Interest Privilege.

21. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same instrument. For evidentiary purposes, electronically transmitted counterparts of this Agreement shall be deemed to be originals.

[The rest of this page has been intentionally left blank.]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

CITY:

CONSOLIDATED CITY OF INDIANAPOLIS
AND MARION COUNTY

By: 

Name: Andrew J. Mallon

Title: Corporation Counsel as designee
of Mayor Joseph H. Hogsett

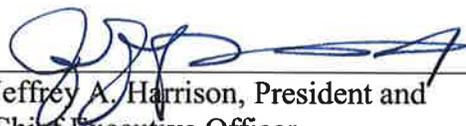
APPROVED AS TO FORM AND LEGALITY:


Corporation Counsel

(Signature Page to Environmental Agreement)

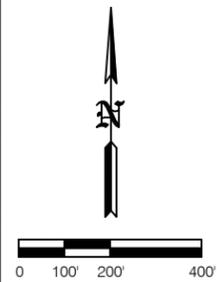
CITIZENS:

DEPARTMENT OF PUBLIC UTILITIES FOR
THE CITY OF INDIANAPOLIS, ACTING BY
AND THROUGH THE BOARD OF DIRECTORS
FOR UTILITIES, AS TRUSTEE, IN
FURTHERANCE OF A PUBLIC CHARITABLE
TRUST D/B/A CITIZENS ENERGY GROUP



Jeffrey A. Harrison, President and
Chief Executive Officer

(Signature Page to Environmental Agreement)



LEGEND

	Parcel owned by Citizens and enrolled in the Voluntary Remediation Program
	Parcel owned by Citizens

1302 N. MERIDIAN ST., STE. 300
INDIANAPOLIS, INDIANA 46202 (317) 916-8000
(317) 916-8001 FAX



August Mack
ENVIRONMENTAL

Citizens Energy Group
2950 Prospect Street
Indianapolis, Indiana

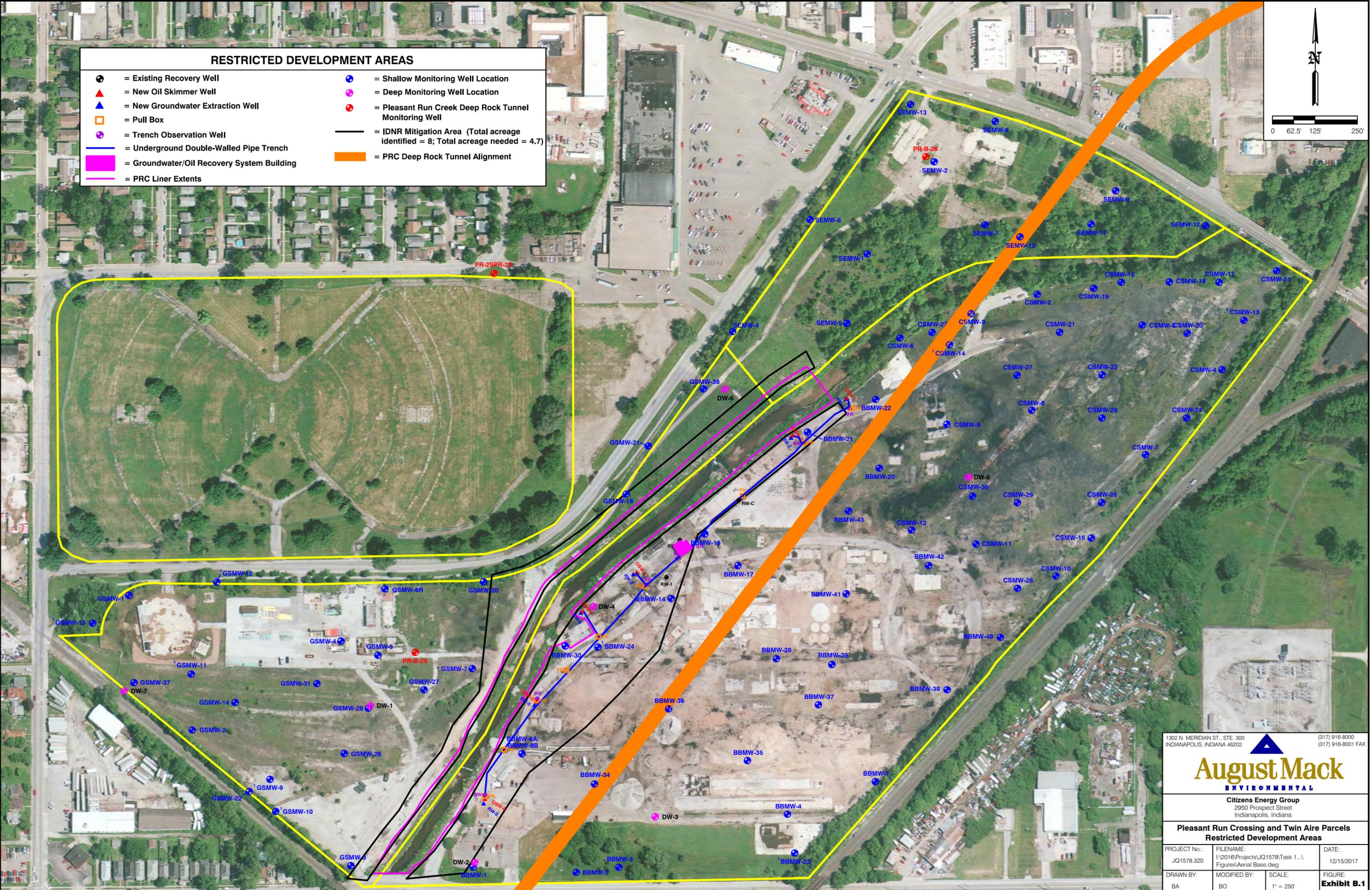
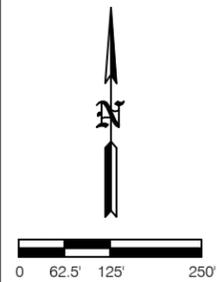
Prospect Street Facility

PROJECT No.: JQ1578.320	FILENAME: I:\2016\Projects\JQ1578\Task 1...\ Figures\Aerial Base.dwg	DATE: 12/15/2017
DRAWN BY: BA	MODIFIED BY: BO	SCALE: 1" = 400'

FIGURE: Exhibit A

RESTRICTED DEVELOPMENT AREAS

- = Existing Recovery Well
- ▲ = New Oil Skimmer Well
- ▲ = New Groundwater Extraction Well
- = Pull Box
- ⊕ = Trench Observation Well
- = Underground Double-Walled Pipe Trench
- = Groundwater/Oil Recovery System Building
- = PRC Liner Extents
- ⊕ = Shallow Monitoring Well Location
- ⊕ = Deep Monitoring Well Location
- ⊕ = Pleasant Run Creek Deep Rock Tunnel Monitoring Well
- = IDNR Mitigation Area (Total acreage identified = 8; Total acreage needed = 4.7)
- = PRC Deep Rock Tunnel Alignment



1302 N. MERIDIAN ST., STE. 300
INDIANAPOLIS, INDIANA 46202

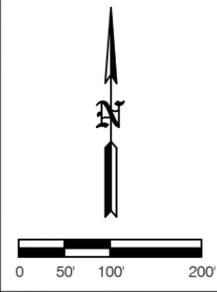
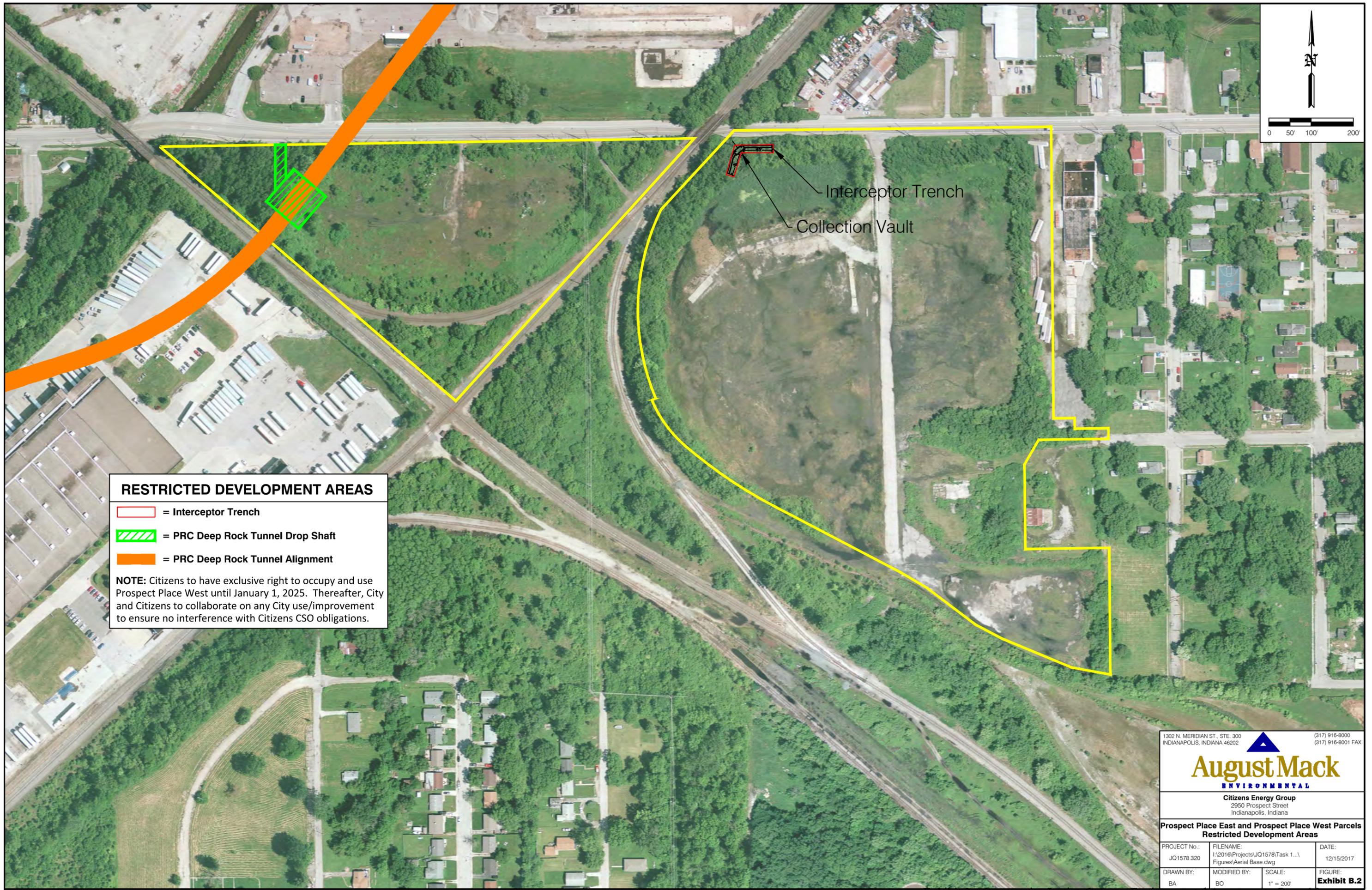
(317) 916-8000
(317) 916-8001 FAX

August Mack
ENVIRONMENTAL

Citizens Energy Group
2950 Prospect Street
Indianapolis, Indiana

**Pleasant Run Crossing and Twin Aire Parcels
Restricted Development Areas**

PROJECT No.: JQ1578.320	FILENAME: I:\2016\Projects\JQ1578\Task 1...\ Figures\Aerial Base.dwg	DATE: 12/15/2017
DRAWN BY: BA	MODIFIED BY: BO	SCALE: 1" = 250'
		FIGURE: Exhibit B.1



Interceptor Trench
Collection Vault

RESTRICTED DEVELOPMENT AREAS

- = Interceptor Trench
- = PRC Deep Rock Tunnel Drop Shaft
- = PRC Deep Rock Tunnel Alignment

NOTE: Citizens to have exclusive right to occupy and use Prospect Place West until January 1, 2025. Thereafter, City and Citizens to collaborate on any City use/improvement to ensure no interference with Citizens CSO obligations.

1302 N. MERIDIAN ST., STE. 300
INDIANAPOLIS, INDIANA 46202

(317) 916-8000
(317) 916-8001 FAX



August Mack
ENVIRONMENTAL

Citizens Energy Group
2950 Prospect Street
Indianapolis, Indiana

**Prospect Place East and Prospect Place West Parcels
Restricted Development Areas**

PROJECT No.: JQ1578.320	FILENAME: I:\2016\Projects\JQ1578\Task 1...\ Figures\Aerial Base.dwg	DATE: 12/15/2017
DRAWN BY: BA	MODIFIED BY: BO	SCALE: 1" = 200'
		FIGURE: Exhibit B.2

GROUND LEASE

THIS GROUND LEASE (this "**Lease**") is made and entered into as of the 18th day of May, 2018 (the "**Commencement Date**"), by and between the Department of Public Utilities of the City of Indianapolis, acting by and through the Board of Directors for Utilities, as successor trustee, in furtherance of a public charitable trust d/b/a Citizens Energy Group, the successor in interest to Citizens Gas & Coke Utility Co. ("**Landlord**"), and the Consolidated City of Indianapolis and Marion County, Indiana ("**Tenant**"):

RECITALS

A. Landlord is the fee owner of those certain parcels of real property situated in Marion County, Indiana, which real property is legally described in the attached Exhibit A, together with all rights, privileges, easements, all of Landlord's interest in all improvements now or hereinafter located thereon, and appurtenances belonging to or in any way appertaining thereto (collectively, the "**Land**"). The parties commonly refer to the Land as the three parcels which are depicted on the attached Exhibit A-1: Pleasant Run Crossing North, Pleasant Run Crossing South and Pleasant Run Crossing.

B. Landlord and Tenant have executed a Project Agreement on December 17, 2017 that concerns the Land and other matters between the parties (the "**Project Agreement**"). Undefined capitalized terms in this Lease shall have the same meaning as such terms are defined in the Project Agreement.

C. Pursuant to the Project Agreement, the parties agree that Tenant may perform certain site preparation and excavation work and construct certain improvements related to the Project on the Land (collectively, the "**Improvements**"), subject to the conditions contained in the Project Agreement, the Environmental Agreement and this Lease.

D. Contemporaneously and in connection with the Project Agreement, Landlord and Tenant have executed an Environmental Agreement that governs environmental impacts and various environmental activities on the Land on December 17, 2017 (the "**Environmental Agreement**").

E. Landlord desires to lease to Tenant and Tenant desires to lease from Landlord the Land upon all of the covenants, terms and conditions of this Lease.

1. LEASE OF THE LAND

Landlord hereby leases to Tenant and Tenant leases from Landlord the Land, upon and subject to the terms, conditions, covenants and provisions of this Lease. Subject to the terms of the Environmental Agreement and Project Agreement, Tenant hereby accepts the Land in its present condition "as is" without representation or warranty from Landlord of any kind or nature, including, without limitation, its suitability or fitness for the construction or operation of the Improvements or for any other particular purpose. Landlord shall retain the right to possess, occupy and use the Land to the extent necessary for Landlord to implement the RWP, to obtain the Certificate and Covenant Not to Sue and to comply with Landlord's obligations under the Environmental Agreement, all as described in more detail in, and subject to, the Project

Agreement and Environmental Agreement. Landlord and Tenant shall work cooperatively and in such a way that neither party materially interferes with the operations of the other to permit (i) Landlord to implement the RWP and to comply with the Environmental Agreement and (ii) Tenant to develop the Project.

2. TERM

All terms and provisions of this Lease shall commence on and be binding on the parties hereto as of the Commencement Date and shall expire at 11:59 p.m. on February 29, 2052 (the "**Term**").

3. LEASE FEE

Contemporaneously with execution and delivery of the Lease, Tenant shall accrue the obligation to pay Landlord the sum of Two Million One Hundred Thousand Dollars (\$2,100,000.00) (the "**Lease Fee**") as compensation for the rights Landlord is granting Tenant under the Lease. Tenant shall pay the Lease Fee on or before June 30th, 2018. The parties are allocating the Lease Fee to the Land as follows: (i) Pleasant Run Crossing – Six Hundred Fifty Thousand Dollars (\$650,000.00); (ii) Pleasant Run Crossing North – Six Hundred Sixty-Two Thousand Dollars (\$662,000.00); and (iii) Pleasant Run Crossing South – Seven Hundred Eighty-Eight Thousand Dollars (\$788,000.00). The Lease Fee shall be prepaid rent for the entire Term and the eventual conveyance of the Land to Tenant pursuant to Section 18. Tenant shall have no obligation to pay any further sums as rent or other consideration for the conveyance of the Land.

4. TAXES AND ASSESSMENTS

A. Impositions. Following the Commencement Date, Tenant shall pay or cause to be paid (except as expressly excluded herein), before any fine, penalty, interest or cost may be added thereto for the nonpayment thereof, all taxes, duties, general or special assessments, water and sewer charges, levies, license and permit fees and other governmental charges of any kind and nature whatsoever, ordinary or extraordinary, whether foreseen or unforeseen, which are assessed for or become a lien on, the Land or any appurtenance thereto during the Term, together with any interest or penalties assessed for the late payment or non-payment thereof (all of which are collectively referred to herein as "**Impositions**") and all taxes, duties and levies which substitute for or supplement in whole or in part the above-described taxes, duties and levies. Landlord shall be responsible for all Impositions which are due and payable on or prior to the Commencement Date and shall pay such Impositions prior to the date due. Tenant shall be entitled to any refund of any Impositions which have been paid by Tenant either to the taxing authority or to Landlord to the extent such refund relates to a period within the Term. If Landlord receives any such refund, Landlord shall promptly pay such refund to Tenant. Nothing contained in this Lease shall require Tenant to pay any municipal, state or federal income taxes assessed against Landlord respecting Landlord's net income, nor any municipal, state or federal, gift, estate, succession, inheritance, transfer, or excess profits taxes imposed upon Landlord. Tenant shall receive a credit against the Lease Fee for an amount equal to the amount of Impositions assessed against the Land for the period prior to the Commencement Date but not due and payable until after the Commencement Date, with such Impositions assessed for the year

in which the Commencement Date falls being prorated based on the number of days prior to and including the Commencement Date as compared with the number of days after the Commencement Date. In exchange for the credit against the Lease Fee, Tenant shall assume the Landlord's obligation to pay any Impositions due and payable under the Commencement Date for which the credit was received. Tenant shall have the right, at its cost and expense and in the manner prescribed by law, to cause the Land to be exempt from Impositions during the Term, and Landlord shall cooperate with such efforts so long as at no cost to Landlord. In no event shall Tenant be required to pay Impositions assessed for any period prior to the Commencement Date, except for Impositions for which Tenant has received a credit against Tenant's obligation to pay the Lease Fee as set forth herein.

B. Tenant Contesting Impositions. Tenant shall have the right to seek a reduction in the valuation of the Land and to contest in good faith by appropriate proceedings, at Tenant's sole cost and expense, the amount or validity in whole or in part of any Impositions. Nothing contained herein shall be so construed as to allow such Impositions to remain unpaid for such length of time as shall permit the Impositions to become delinquent or the Land, or any part thereof, or the lien thereon created by such Impositions, to be advertised for sale or sold or foreclosed by a governmental authority for nonpayment of the same or to suffer any penalty whatsoever, or subject Landlord to any liability arising out of the non-payment thereof.

C. Participation by Landlord. Landlord shall join in any proceedings to contest such Impositions, or permit such proceedings to be brought in its name, if, and only if, the provisions of any law, rule or regulation at the time in effect shall require that such proceedings be brought by or in the name of Landlord or any owner of the Land. Landlord shall have the right to charge Tenant for any third-party costs, including reasonable attorneys' fees, incurred with respect to Landlord's participation in a proceeding to contest Impositions. Tenant shall reimburse Landlord from and against any and all claims, demands, liability, suits, actions, judgments and recoveries in connection with any such proceedings. Tenant shall be entitled to any refund of any Impositions and any penalties and interest thereon received as a result of such proceedings by Landlord, to the extent the same have been paid by Tenant, or have been paid by Landlord and previously reimbursed in full by Tenant.

5. NET LEASE; NON-TERMINABILITY

A. Net Lease. This is a triple net lease and the Lease Fee, Impositions and other sums payable hereunder by Tenant shall be paid without notice or demand, and without set-off, counterclaim, abatement, deduction, defense or deferment.

B. Non-Terminability. Except as otherwise expressly provided in this Lease, this Lease shall not terminate and Landlord and Tenant waive all rights which may at any time exist by law to quit, terminate or surrender this Lease or all or part of the Land.

6. USE

Tenant shall be permitted to use the Land for any and all purposes, so long as in compliance with all applicable government laws, statutes, codes, ordinances, requirements, orders, directives, standards, rules and regulations applicable to the Land, the Improvements and

the Project (collectively, "**Laws**") and with the terms of the Project Agreement and Environmental Agreement (the "**Permitted Use**").

7. IMPROVEMENTS, UTILITIES AND MAINTENANCE

A. Site Development Plans and Design of Improvements. The parties acknowledge that this Lease has been entered into prior to Landlord's receipt of Site Development Plans as contemplated in Article II of the Project Agreement and prior to the satisfaction of the Conditions Precedent set forth in Article VIII(C)(i), (ii), (iii) and (vi) of the Project Agreement, particularly to the extent these Conditions Precedent require that Landlord would have had a reasonably sufficient opportunity to review Site Development Plans for the initial phase of the Project until the same are approved as provided in Sections 7(B) and 7(C) below. Tenant acknowledges and expressly understands Landlord is not waiving its rights under Article II of the Project Agreement ("**Citizens Site Impact Approval Rights**"), which rights Tenant acknowledges have been fully reserved and retained. It is a material condition to Landlord's execution and delivery of the Lease that it has assurances the Site Development Plans and any Improvements (i) are reasonably consistent with Landlord's obligations in the approved RWP, (ii) are not reasonably expected to increase Landlord's cost of implementing and completing the RWP, (iii) are reasonably expected to comply with the terms of the Environmental Agreement (as defined herein), and (iv) are not reasonably expected to trigger additional potential liability to Landlord under any federal, state or local law (collectively, the "**Site Design Standards**"). The parties acknowledge that certain preliminary site preparation and excavation work with regard to the Project ("**Preliminary Site Work**") has been approved and is occurring and continuing under the Access Agreement dated May 9, 2017 in accordance with the terms and conditions of that agreement, including without limitation the exhibits thereto (the "**Access Agreement**"). It is contemplated that after the Commencement Date there may be additional Preliminary Site Work of similar and limited nature as to that already approved under the Access Agreement, which the parties may approve outside of the process established in Section 7(B) and 7(C), which work shall require specific prior review and approval by the Landlord in writing, based on the Site Design Standards, which review and approval shall be completed as contemplated in Exhibit J to the Access Agreement. Otherwise, Tenant shall comply with the requirements of this Section 7 prior to commencing the construction of any Improvements.

B. Site Design Committee. To facilitate compliance with this Section 7 and with Article II of the Project Agreement, Landlord and Tenant have determined that it is in the mutual best interests of the parties to establish a committee of technical experts (the "**Site Design Committee**") to review and ensure that all Improvements are consistent with the Site Design Standards. The Site Design Committee shall be comprised of three individuals that possess one or more of the following qualifications: (i) are a "design criteria developer" under Indiana Code 5-30-1-5, an accredited Certified Hazardous Materials Manager (CHMM) by the Institute of Hazardous Materials Management, a licensed Professional Engineer (P.E.) or a licensed professional geologist under Indiana law, and (ii) have the requisite technical background to evaluate if any Improvements the Tenant intends to construct comply with the Site Design Standards. Landlord shall have the right to appoint two members of the Site Design Committee. Tenant shall have the right to appoint one member of the Site Design Committee. Each party shall be responsible for compensating their respective appointees to the Site Design Committee and shall have the right to remove and replace their respective appointees from time to time. The

Site Design Committee shall examine all design criteria packages (as such term is defined in Indiana Code 5-30-6-3) or other procurement process Tenant utilizes for designing Project Improvements for compliance with the Site Design Standards. Tenant shall cause the design criteria developer or its other employees, agents or contractors involved with the design of any Improvements related to the Project to provide any information requested by any member of the Site Design Committee that is reasonably related to the Site Design Standards (individually and collectively, a "**Design Information Request**"). Any Design Information Request that concerns the following shall be deemed reasonable: (i) disturbances to surface and subsurface soil management; (ii) proposed soil cover/removal areas identified in the approved RWP; (iii) stormwater management and discharges to Pleasant Run Creek ("**PRC**"); (iv) disturbances of any system installed in PRC as part of the IDEM-approved PRC Interim Measure; (v) Environmental Restrictive Covenant requirements; (vi) operation and maintenance of the hydraulic system and groundwater capture treatment system; (vii) potential impacts to and protection of groundwater at the Land; and (viii) subgrade improvements and disturbances, including structure foundations of any kind and protection of the clay aquitard and underlying "deep" aquifer. Landlord acknowledges that the Improvements will be designed on a design/build basis and that the design criteria packages or similar bids for design of any Improvements (collectively, the "**Design Bids**") will not be a final design plan and will likely be modified by the joint agreement of Tenant and the designer/builder prior to the completion of proposed final plans for the Improvement. The Site Design Committee shall be given an opportunity for a period of twenty (20) days prior to issuance to review and provide comments and input on Design Bids, which Tenant shall review and consider and to the extent reasonably appropriate under the circumstances incorporate or otherwise address as part of the process. The submission of the Design Bids to bidders by Tenant shall not limit Landlord's right to approve, or the prerequisite that the Site Design Committee approve, the Final Plans, as provided below. To the extent the Site Design Committee has additional comments on the Design Bids based on the Site Design Standards, after the same have been issued to bidders, Tenant will either (i) provide the additional comments, in the form of updated instructions, to all bidders, or (ii) cause such comments to be appropriately incorporated into the Final Plans. The Site Design Committee shall use commercially reasonable efforts to complete its obligations in this Section in accordance with Tenant's development and construction schedule. The parties acknowledge that to the extent notice to or approval of IDEM is necessary or advisable to reasonably assure compliance with this Lease, the Project Agreement, the Environmental Agreement or any environmental restrictive covenants, the application of any timeframes for review or approval of any site work or Improvements by Landlord or the Site Design Committee shall not be construed as a waiver of Landlord's rights under this Lease or such other agreement or covenant or to limit or restrict the giving or obtaining of such notices or approvals.

C. Construction of Improvements. Prior to commencing construction of any Improvements, Tenant shall submit the final plans for such Improvements to the Site Design Committee (the "**Final Plans**"). Upon receipt of the Final Plans, the Site Design Committee shall have thirty (30) days to determine if the Final Plans comply with the Site Design Standards and upon approval, all members of the Site Design Committee shall sign a certificate stating the Final Plans comply with the Site Design Standards (the "**Design Certificate**"). Tenant shall have the right to begin construction of any Improvements in accordance with the Final Plans only after all members of the Site Design Committee have signed the Design Certificate. Landlord hereby agrees that Tenant shall have the right to use, move, alter or destroy any

existing improvements on the Land or engage in any acts necessary with respect to any existing improvements as of the Commencement Date that Tenant deems necessary for the development of the Project, so long as Tenant complies with the Final Plans, the Project Agreement, the Environmental Agreement, the ERC and all Laws in moving, altering or destroying any existing improvements.

D. Future Project Phases or Improvements. If Tenant desires to construct additional Improvements or modify Improvements described in the Final Plans (collectively "**Future Improvements**"), Tenant shall provide written notice of its intent to construct Future Improvements to Landlord. The parties mutually agree to establish a process by which Future Improvements that obviously would not or reasonably would not be expected to impact the Site Design Standards would not need to be submitted under the prior sentence. Upon receipt of a notice under this Section 7(D), the parties shall promptly reconstitute the Site Design Committee in accordance with this Section 7 and work diligently and in good faith to cause the approvals required under this Section to be obtained in a timely manner, as is consistent with good construction management practices and with the size and nature of the Future Improvement for which approval is requested. To the extent applicable to the subject Future Improvement, the Site Design Committee shall examine the design criteria package or similar other design procurement documents in accordance with the requirements and review standards of this Section 7 and shall issue a Design Certificate once the Site Design Committee is satisfied the Final Plans for the Future Improvements comply with the Site Design Standards, as provided in Section 7(C). Tenant shall not proceed with constructing the Future Improvements before the Site Design Committee has provided a Design Certificate for the Final Plans for the Future Improvements.

E. Design Certificates and the Site Design Committee. Any Design Certificate or any inquiries or approvals of the Site Design Committee in this Section 7 shall not be construed as Landlord's endorsement or approval of the use of a specific Improvement or any portion of the Project as the Site Design Committee's responsibilities are limited to evaluating if a specific Improvement or portions of the Project comply with the Site Design Standards. Nothing in Section 7 shall be construed as limiting Tenant's responsibility for constructing Improvements in accordance with the Final Plans or any liabilities under any Laws that may be triggered by the development, construction or operations of the Improvements, regardless whether the Improvement at issue was constructed in accordance with the Final Plans and the requirements of this Section 7. The Site Design Committee's issuance of a Design Certificate and written confirmation the Final Plans conform with the Design Certificate as set forth in this Section 7 shall be deemed Landlord's approval of the Site Development Plans as required in Article II of the Project Agreement with respect to the Improvements evaluated by the Site Design Committee. If there is any conflict between Section 7 of this Lease and any provision of the Project Agreement, this Section 7 shall control the interpretation of the parties' respective rights and obligations as to the conflicting provisions.

F. Title to Improvements and Trade Fixtures. Until the expiration of the Term of this Lease (subject, however, to the rights of a Mortgagee to obtain a new lease as set forth herein), to the extent permitted under Indiana law, title to the Improvements erected on the Land by Tenant and the building equipment and other items installed thereon by Tenant and any

alteration, change or addition to the Improvements or any new or replaced Improvements constructed by Tenant shall remain solely in Tenant.

G. Utilities. Landlord shall have no obligation to pay for any costs related to the construction, connection, maintenance and operation of water, electric, gas, storm sewer, sanitary sewer, telephone and other utility lines and facilities on the Land or for the Project. To the extent Tenant requires any such utility lines and facilities, Tenant shall pay all costs for the construction, connection, maintenance and operation thereof and shall make any deposits required. The terms of this Section shall not reduce the rights and obligations set forth in Article VI of the Project Agreement.

H. Maintenance and Repair. Landlord shall have no obligation to maintain and repair any Improvements erected or situated on the Land. Tenant may at any time or from time to time, at its sole cost and expense, demolish all or any Improvements on the Land. Landlord shall not be required to furnish any services or facilities or to make any improvements, repairs or alterations in or to the Land. Tenant agrees to keep the existing improvements, if any, safe and secure prior to demolition. The foregoing shall in no event modify or limit the obligations of Tenant and Landlord under the Project Agreement or the Environmental Agreement. Tenant shall also have the responsibility for securing the Land from unauthorized trespassers and providing adequate security and safety measures on the Land during the Term of this Lease. Until such time as the surface soil components of the RWP (covers, removals and erosion control) are complete, Tenant shall maintain and repair the existing fencing around the Land, or at Tenant's option, install and maintain additional fencing for that part of the Land which is subject to continuing work on the surface soil components of the RWP.

I. Waiver of Liens. During any period of demolition or construction during the Term, Tenant shall procure from each of its contractors, subcontractors, materialmen and laborers furnishing labor, services or materials to the Land releases or waivers of any claims to liens impacting the Landlord's fee interest in the Land. Should any lien be filed against the Land or Landlord's property as a result of Tenant's work, Tenant shall notify Landlord as soon as practical and Tenant shall at its option, undertake one of the following actions within forty-five (45) days after the mechanics' lien is filed: (i) post a bond or discharge the mechanics' lien through satisfaction of the underlying debt; (ii) provide title insurance to insure over any such mechanics' lien while contesting the validity of such mechanic's lien; or (iii) escrow proceeds in an amount equal to one hundred percent (100%) of the amount of each claim while contesting the validity of such mechanic's lien. As each mechanics' lien is released and satisfactory evidence of such is delivered to Landlord, the amount previously held in escrow with respect thereto shall be paid to Tenant.

J. Mechanic's Liens. Tenant shall not suffer or cause the filing of any mechanic's lien against the Land or any part thereof. If any mechanic's lien is filed against the Land or any part thereof for work claimed to have been done for, or material claimed to have been furnished to, Tenant, then Tenant shall either (a) promptly cause such mechanic's lien to be discharged of record by bonding or otherwise in the manner prescribed by the applicable laws or (b) provide to Landlord evidence that the mechanic's lien is being contested by proceedings adequate to prevent foreclosure of the mechanic's lien. All mechanic's liens suffered or caused by Tenant shall attach

to Tenant's interest only and Tenant shall take all appropriate steps to insure such liens do not attached to Landlord's fee estate.

8. INSURANCE, AND LIABILITY ALLOCATION

A. Parties' Intent Regarding Allocation of Liability. It is the parties' intent and desire that Tenant be solely liable for any and all claims, losses, costs, liabilities, damages or expenses (collectively, "Costs") directly or indirectly arising out of the tenancy contemplated by this Agreement. However, Landlord shall be liable for all Costs related to Landlord's rights to possess, occupy and use the Land for the purposes reserved in Section 1 of this Lease, the Project Agreement and Environmental Agreement and for Landlord's negligence and intentional misconduct. Landlord and Tenant agree to take any steps reasonably necessary (including reimbursement of reasonable costs/losses) to effectuate this intent.

B. Required Insurance. Commencing with the Commencement Date and continuing until the last day of the Term, Tenant shall carry special form property insurance which adequately insures against the risk of physical loss or damage to the Improvements, with companies which are authorized to do business in the State of Indiana. Tenant shall procure and continue in effect public liability and property damage insurance, with respect to the operation of the Land and the Improvements as of the Commencement Date. Such public liability insurance shall cover liability for death or bodily injury in any one accident, mishap or casualty in a sum of not less than \$3,000,000 combined single limit coverage. Such public liability insurance shall be endorsed to include Landlord as an additional insured (ISO Form C6 20 11 or similar). The proceeds from Tenant's casualty insurance hereunder shall be paid to and be the sole property of Tenant. Any insurance carried or required to be carried by Tenant or any successor Public Party may be carried by self-insurance consistent with Tenant's then current risks management program or, at Tenant's option, pursuant to a master policy of insurance or so called blanket policy of insurance. However, such self-insurance shall act, in all respects, as ordinary commercial insurance including, without limitation, any requirements to name Landlord as additional insured. Landlord and Tenant agree that, in the event of loss due to any of the perils for which they have agreed to provide insurance, or to which they actually have insurance coverage, each party shall look first to its insurance, or insurance which would be in place but for such party's self-insurance program for recovery.

C. Waiver of Subrogation. Landlord and Tenant hereby grant to each other, on behalf of any insurer providing insurance to either of them, with respect to the Land or Improvements and with regard to either party's personal property located on the Land, a waiver of any right of subrogation which any insurer of one party may acquire against the other by virtue of payment of any property damage under such insurance, provided that such waiver of the right of subrogation shall not be operative where the effect is to invalidate such insurance coverage. The parties waive and release any and all rights of recovery which either party may have against the other party for any loss or damage, whether or not caused by any alleged negligence of the other party, its employees, contractors, agents, invitees or licensees, to the extent that such loss or damage is, or would be, covered by any insurance required to be maintained under this Lease.

D. Forms of Policies. For each policy of insurance which Tenant is required to maintain under this Lease, Tenant shall furnish to Landlord, upon written request for the same, a current certificate of the policy, showing that the policy is in full force and effect.

E. Casualty and Condemnation. In the event of damage to, or total or partial destruction of, any Improvements and if Tenant determines to restore, replace or rebuild the Improvements on the Land and continue the authorized business operations thereon, then in that event Tenant shall promptly restore, replace or demolish the damaged or destroyed Improvements in compliance with this Lease. Landlord shall cooperate and provide all reasonable assistance in connection with obtaining the largest possible recovery of insurance proceeds and the payment of insurance proceeds as provided in this Section (including without limitation, executing, filing and joining in consents, settlement agreements and other and incidental documents, instruments and agreements as may be necessary in connection with the foregoing); provided that Tenant shall reimburse Landlord on receipt of adequate supporting documentation for any reasonable out of pocket costs and expenses (including reasonable attorney's fees and expenses) actually incurred by Landlord to cooperate with Tenant as required by the terms and provisions of this Section. In the event that all or any part of the Land or the Improvements is taken or condemned for public or quasi-public use under any statute or by the right of eminent domain, or if the condemning authority files an action related thereto, or, in lieu of a taking, all or any part of the Land or the Improvements is conveyed to a public or quasi-public body under threat of condemnation, and if Tenant determines to restore, replace or rebuild the Improvements on the Land and continue the authorized business operations thereon, then in that event Tenant shall promptly restore the Land and restore, replace or demolish any Improvements taken or conveyed in lieu of a taking. All compensation paid as a result of any taking or conveyance in lieu of a taking shall belong to, and be the sole property of, Tenant and Tenant shall have the sole and exclusive right to negotiate for the same. Landlord acknowledges that Tenant does not have to obtain Landlord's consent or approval regarding any final settlement of any condemnation or taking awards or the amount of any insurance proceeds. In no event shall any condemnation result in the termination of this Lease unless the entirety of the Land is so taken.

9. DEFAULT

A. Tenant Default. If Tenant fails to perform or comply with any of the covenants, agreements, terms, or conditions contained in this Lease, the Project Agreement, or the Environmental Agreement (individually and collectively, a "**Tenant Default**"), and such Tenant Default shall continue for a period of thirty (30) days after written notice thereof given by or on behalf of Landlord to Tenant, provided that if the same cannot be reasonably cured within such 30-day period, then, so long as Tenant promptly proceeds to commence the cure and thereafter prosecutes the same diligently, Tenant's cure period shall be extended as may be reasonable under the circumstance and Tenant shall not be considered in default; provided that should Landlord suffer any damages related to the condition at issue during Tenant's cure period, Landlord shall be entitled to recover any third-party costs it incurs from Tenant with respect to such Tenant Default. Notwithstanding anything to the contrary in this Section 9(A), Tenant shall have only five business (5) days to cure a default of its obligation to timely pay the Lease Fee on or before June 30th, 2018 in Section 3. If the Lease Fee Default is not cured, Tenant shall owe

Landlord an interest charge on the unpaid amount of the Lease Fee at a rate of eight and one half percent (8.5%) per annum, compounded on a daily basis.

B. Landlord's Remedies. Upon the occurrence of any Tenant Default, Landlord shall have the option to pursue the following remedies, as its sole and exclusive remedies, subject to the satisfaction of all notice provisions in this Lease and the rights and obligations of any Mortgagee set forth in Section 11 of this Lease:

(i) (a) At the cost and for the account of Tenant, cure the failure of Tenant which resulted in the Tenant Default, and if necessary, enter upon the Land to effect such cure, and recover from Tenant the reasonable costs and expenses incurred by Landlord to effect the cure, together with interest thereon at the rate of eight and one half percent (8.5%) per annum, (b) obtain relief requiring specific performance (but not any equitable remedy involving the termination of this Lease), or (c) file suit to recover any monetary damages due to Landlord;

(ii) Pursuit of any of the foregoing remedies shall not constitute a forfeiture or waiver of any other sums due and payable hereunder, or of any damages accruing to Landlord by reason of the violation of any of the terms, provisions and covenants herein contained. Forbearance by Landlord to enforce one or more of the remedies herein provided upon Tenant Default shall not be deemed or construed to constitute a waiver of such default; or

(iii) Landlord agrees to provide any Mortgagees with notice and an opportunity to cure prior to Landlord's exercise of any rights herein as further provided below in Section 11 of this Lease.

C. Landlord's Default. In the event Landlord fails to perform any obligations specified under this Lease, the Project Agreement, or the Environmental Agreement, then Tenant, after continuance of any failure or such default for thirty (30) days after notice in writing thereof by Tenant, or such additional period as may be reasonable to effect such cure if Landlord promptly commences, and diligently pursues, the same (if the continuation of such default does not affect Tenant's ability to construct the Improvements or to operate a business on the Land, in which case only such cure period as is reasonable under the circumstances shall be permitted) then Tenant may cure such default, all on behalf of and at the expense of Landlord, and do all necessary work and make all necessary payments in connection therewith, and Landlord agrees thereafter on demand, to pay Tenant forthwith the amount so paid by Tenant; provided Tenant shall have no right to cure Landlord defaults under the Environmental Agreement or the RWP as it is the parties' intent Tenant's rights in that regard should be limited to declaratory relief.

D. Limitation on Parties' Remedies. Neither Landlord nor Tenant shall have any right to seek any remedy for breach of this Lease that would result in the termination of this Lease or permit the recovery of consequential, exemplary, punitive or other damages that are not directly related to the breach at issue. In no event shall this Lease be deemed to permit either party to exercise rights or remedies which are prohibited in the Project Agreement or the Environmental Agreement.

10. RECORDING

This Lease shall be recorded in the real property records of Marion County, Indiana ("Official Records") on the Commencement Date. If this Lease is amended, the amendment shall be recorded in the Official Records that memorializes the amendment to the Lease.

11. LEASEHOLD MORTGAGE

A. Permitted Mortgage. "**Permitted Mortgage(s)**" means collectively any deed(s) of trust, mortgages, financing leases or other collateral security instruments (including, without limitation, financing statements, security agreements and other documentation required pursuant to the Indiana Uniform Commercial Code, and any absolute or conditional assignments of rents and subleases) given to a Mortgagee (as defined below) and serving as security for one or more construction loans, permanent loans, mezzanine loans and/or other subordinate debt (otherwise permitted to be incurred hereunder) which Tenant may grant that encumbers all or part of Tenant's Estate (as defined in Section 11(B)) or Tenant's fixtures, together with any modification, substitution, amendment, extension, increase, refinancing, replacement or recasting (otherwise permitted to be incurred hereunder) thereof; provided, however, in no event shall any such Permitted Mortgage encumber Landlord's fee simple title to the Land. "**Mortgagee**" shall be any bank, insurance company, pension fund or other individual, corporation, partnership or other entity which is making a bona fide loan, take back purchase money mortgage, or an assignment-subleaseback transaction, including any bona fide public or quasi-public entity lender, but shall not include a mortgage or other encumbrance given solely with the intention of implementing a foreclosure to avoid the assignment restrictions contained in this Lease.

B. Encumbrance of Tenant's Estate. Tenant shall have the right to encumber (i) Tenant's interest in the Improvements, (ii) Tenant's leasehold rights, and (iii) all other rights of Tenant under this Lease and under the Project Agreement and the Environmental Agreement ("**Tenant's Estate**") pursuant to one or more Permitted Mortgages. Tenant shall, following its receipt of any notice of default or other notice of the acceleration of the maturity of a Permitted Mortgage from a Mortgagee, promptly deliver a true and correct copy thereof to Landlord.

C. Mortgagee Protections. Provided that any Mortgagee provides Landlord with a conformed copy of each Permitted Mortgage which contains the name and address of such Mortgagee, Landlord hereby covenants and agrees to faithfully perform and comply with the following provisions with respect to such Permitted Mortgage:

(i) No Modification. Except as provided herein, no action by Tenant or Landlord to modify the terms of this Lease or the provisions of this Section shall be binding upon a Mortgagee without its prior written consent.

(ii) Notices. If Landlord shall give any notice, demand, election or other communication which may adversely affect the security for a Permitted Mortgage, including without limitation a notice of a Tenant Default hereunder (hereinafter collectively, "**Notice(s)**"), to Tenant hereunder, Landlord shall simultaneously give a copy of each such Notice to the Mortgagee at the address theretofore designated by it. Such copies of Notices shall be sent by Landlord as provided in this Lease or as

otherwise reasonably requested by Mortgagee. No Notice given by Landlord to Tenant shall be binding upon or affect said Mortgagee unless a copy of said Notice shall be given to Mortgagee pursuant to this Section 11. In the case of an assignment of such Permitted Mortgage or change in address of such Mortgagee, said assignee or Mortgagee, by written notice to Landlord, may change the address to which such copies of Notices are to be sent. Landlord shall not be bound to recognize any assignment of such Permitted Mortgage unless and until Landlord shall be given written notice thereof that contains the name and address of the assignee. Thereafter, such assignee shall be deemed to be the Mortgagee hereunder with respect to the Permitted Mortgage being assigned.

(iii) Performance of Covenants. The Mortgagee shall have the right to perform any term, covenant or condition and to remedy any default by Tenant hereunder within the time periods specified herein, and Landlord shall accept such performance with the same force and effect as if furnished by Tenant; provided, however, that said Mortgagee shall not thereby or hereby be subrogated to the rights of Landlord.

(iv) Delegation to Mortgagee. Tenant may delegate irrevocably to the Mortgagee the non-exclusive authority to exercise any or all of Tenant's rights hereunder, but no such delegation shall be binding upon Landlord unless and until either Tenant or the Mortgagee shall give to Landlord a true copy of a written instrument effecting such delegation. Such delegation of authority may be effected by the terms of the Permitted Mortgage itself, in which case service upon Landlord of an executed counterpart or conformed copy of said Permitted Mortgage in accordance with this Section 11, together with written notice specifying the provisions therein which delegate such authority to said Mortgagee, shall be sufficient to give Landlord notice of such delegation.

(v) Tenant Default. In the event of a Tenant Default in the performance or observance of any term, covenant, or condition to be performed by it hereunder, Landlord agrees not to exercise its remedies for Tenant Defaults unless and until Landlord provides written notice of such Tenant Default to any Mortgagee and such Mortgagee shall have failed to cure such Tenant Default within sixty (60) days following the delivery of such notice to Mortgagee; provided, however, if such Tenant Default cannot practicably be cured by the Mortgagee without taking possession of the Tenant's Estate, or if such Tenant Default is not susceptible of being cured by the Mortgagee, then Landlord shall not exercise its remedies until:

(a) In the case of a Tenant Default which cannot practicably be cured by the Mortgagee without taking possession of the Tenant's Estate, the Mortgagee has delivered to Landlord within sixty (60) days following the delivery of Landlord's notice, a written undertaking wherein the Mortgagee agrees that it will cure such Tenant Default upon obtaining possession;

(b) In the case of a Tenant Default which cannot practicably be cured by the Mortgagee without taking possession of the Tenant's Estate, said Mortgagee shall proceed diligently to obtain possession of the Tenant's Estate as Mortgagee (including possession by receiver), and, upon obtaining such possession (directly or through a receiver), shall proceed diligently to cure such

Tenant Default in accordance with the undertaking delivered pursuant to Section 11(C)(v)(a) above but in no event later than thirty (30) days after obtaining possession; and

(c) In the case of a Tenant Default which is not susceptible to being cured by the Mortgagee, the Mortgagee shall institute foreclosure proceedings and diligently prosecute the same to completion (unless in the meantime it shall acquire Tenant's Estate hereunder, either in its own name or through a nominee, by assignment in lieu of foreclosure) and, upon such completion of foreclosure or acquisition, unless such Tenant Default has been cured by such completion of foreclosure or acquisition, the Mortgagee commences to cure such Tenant Default within thirty (30) days and prosecutes such cure to completion with diligence. The Mortgagee shall not be required to obtain possession or to continue in possession as Mortgagee of the Tenant's Estate pursuant to Section 11(C)(v)(b) above, or to continue to prosecute foreclosure proceedings pursuant to this Section 11(C)(v)(c), if and when such Tenant Default shall be cured. Nothing herein shall preclude Landlord from exercising any of its rights or remedies with respect to any other Tenant Default during any period of such forbearance, but in such event the Mortgagee shall have all of its rights provided for herein. If the Mortgagee, its nominee, or a purchaser in a foreclosure sale, shall acquire title to Tenant's Estate hereunder and shall cure all Tenant Defaults which are susceptible of being cured by the Mortgagee or by said purchaser, as the case may be, then prior Tenant Defaults which are not susceptible to being cured by the Mortgagee or by said purchaser shall no longer be deemed Tenant Defaults hereunder.

(vi) Foreclosure. Foreclosure of any Permitted Mortgage, or any sale thereunder, whether by judicial proceedings or by virtue of any legally authorized power contained in the Permitted Mortgage, or any conveyance of Tenant's Estate hereunder from Tenant to any Mortgagee, its designee, any purchaser of Mortgagee's interest through, or in lieu of, foreclosure or other appropriate proceedings in the nature thereof, shall not require the consent of Landlord or constitute a breach of any provision of or a default under this Lease, and upon such foreclosure, sale or conveyance Landlord shall recognize the Mortgagee, such designee or any purchaser of Mortgagee's interest as Tenant hereunder. If any Mortgagee, its designee, purchaser of Mortgagee's interest or other third party shall acquire Tenant's Estate as a result of a judicial or non-judicial foreclosure under any Permitted Mortgage, or by means of a deed in lieu of foreclosure, or through settlement of or arising out of any pending or contemplated foreclosure action, such Mortgagee, its designee, purchaser of Mortgagee's interest or such other third party purchaser shall thereafter have the right to further assign or transfer Tenant's Estate to an assignee without obtaining Landlord's consent with respect thereto, subject to all of the other provisions of this Section 11. Upon such acquisition of Tenant's Estate as described in the preceding sentence by Mortgagee, its designee or purchaser of Mortgagee's interest, Landlord shall immediately execute and deliver a new ground lease of the Land to such Mortgagee, designee or purchaser of Mortgagee's interest, upon the written request therefor by such party given not later than one hundred twenty (120) days after such party's acquisition of Tenant's Estate. Such new ground lease shall be substantially similar in form and content to the provisions of this Lease, except with respect to the

parties thereto, the term thereof (which shall be co-extensive with the remaining Term hereof), an indemnity and hold harmless obligation by the new tenant for any loss, cost or expense, including reasonable attorneys' fees respecting claims by Tenant of any remaining rights asserted by such Tenant against Landlord for providing such new ground lease, and the elimination of any requirements which have been fulfilled by Landlord or Tenant prior thereto, and such new ground lease shall have priority equal to the priority of this Lease.

(vii) Mortgagee Loss Payable. Landlord agrees that the names of each Mortgagee shall be added to the "Loss Payable Endorsement" of any and all insurance policies, if any, required to be carried by Tenant under this Lease and the insurance proceeds are to be applied in the manner specified per the Permitted Mortgage.

(viii) Intentionally Omitted.

(ix) No Obligation to Cure. Nothing herein contained shall require any Mortgagee to cure any Tenant Default referred to above.

(x) Limited Liability. In the event any Mortgagee or its designee becomes the tenant under this Lease or under any new lease obtained pursuant to Section 11(C)(vi) above, the Mortgagee or its designee shall be personally liable for the obligations of Tenant under this Lease or a new lease only for the period of time that the Mortgagee or its designee remains the actual beneficial holder of Tenant's Estate, and only to the extent provided in this Lease or such new lease.

(xi) Insurance Proceeds. The proceeds from any insurance policies shall be paid and distributed as provided in the Permitted Mortgage.

(xii) Material Notices. The parties hereto shall give all Mortgagees notice of any arbitration, litigation, or condemnation proceedings, or of any pending adjustment of insurance claims as each may relate to the Tenant's Estate, and any Mortgagee shall have the right to intervene therein and shall be made a party to such proceedings. The parties hereto do hereby consent to such intervention. In the event that any Mortgagee shall not elect to intervene or become a party to the proceedings, such Mortgagee shall receive notice and a copy of any award or decision made in connection therewith.

(xiii) Separate Agreement. Landlord shall, upon request, execute, acknowledge and deliver to each Mortgagee, an agreement prepared at the sole cost and expense of Tenant, in form satisfactory to each Mortgagee, between Landlord, Tenant and the Mortgagees, agreeing to all of the provisions of this Section 11.

(xiv) Subtenants. Following notice from Mortgagee or its nominee, stating that it will attempt to cure a Tenant Default as permitted herein, Landlord shall not remove or cause the removal of any subtenant or any property of any subtenant from the Land.

(xv) Surrender. Landlord will not accept the surrender of this Lease from Tenant without the prior written consent of the Mortgagee.

(xvi) No Merger. During the term of any Permitted Mortgage, the leasehold estate and the reversionary estate shall not merge even if one person or entity owns both estates, unless consented to by Mortgagee.

(xvii) Survival. The terms of this Section 11 shall serve the termination of this Lease.

(xviii) Additional Changes. Landlord agrees to make such additional changes to this Section 11 as reasonably required by Mortgagee, so long as the same do not result in any cost to Landlord, and otherwise do not materially affect Landlord's rights and obligations under this Lease.

12. NOTICES

Any notices under this Lease shall be delivered pursuant to Article IX (H) of the Project Agreement.

13. HEADINGS

The headings of the paragraphs and subparagraphs of this Lease are for convenience only and do not in any way limit, amplify or otherwise affect the covenants and agreements contained in this instrument.

14. BINDING EFFECT

The provisions of this instrument shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

15. BROKERS

Each party hereby certifies, represents and warrants to the other that no real estate broker or agent has been retained by it in connection with this Lease. Tenant and Landlord shall indemnify and hold each other harmless against damages relating to any real estate commissions due as a result of actions by Tenant or Landlord, as applicable.

16. ASSIGNMENT AND SUBLETTING

A. Assignment. Tenant shall have the right to convey, assign, sublease or otherwise transfer its interest in the Lease to a body politic of Tenant or another "political subdivision" (as such term is defined in Indiana Code 36-1-2-3) (individually and collectively, a "**Public Party**") without Landlord's consent; provided, the Public Party agrees in writing to comply with all obligations of Tenant under this Lease (including the pre-requisites to constructing Improvements in Section 7), the Project Agreement, and the Environmental Agreement. Tenant shall not have the right to convey, assign, sublease or otherwise transfer its interest in the Lease to any party that is not a Public Party ("**Private Party**") without obtaining Landlord's prior written consent, which consent Landlord may reasonably condition, withhold or deny. In the event the Tenant conveys, assigns, subleases or otherwise transfers its interest in the Lease to a Public Party or a Private Party in accordance with the terms and conditions of this Lease, Tenant

shall remain liable for all its obligations in this Lease, the Project Agreement, the Environmental Agreement and any applicable Environmental Restrictive Covenant or Certificate.

B. Separate Leases. From time to time and at any time during the Term, so long as no Tenant Default exists at such time, Tenant may require Landlord to enter into separate leases ("**Separate Leases**") with respect to separate parts of the Land and/or Improvements designated by Tenant ("**Separate Land**"), consolidate Separate Leases into a single lease, or to modify the dividing line between two or more Separate Leases. The parties to the Separate Leases shall be Landlord, as landlord, and Tenant, as tenant, or Tenant's assignee, if permitted in Section 16(A) above, and the terms and provisions of the Separate Leases shall be the same as the terms and provisions of this Lease (including Tenant's obligations with respect to Improvements in Section 7), except that (a) all references in a Separate Lease to the "Land" shall be deemed to refer to (i) the Separate Land under the Separate Lease, (ii) the Improvements which are located on that Separate Land, and (iii) all rights, interests, privileges and easements in any way appertaining to, or used in connection with, that Separate Land, and (b) the term of the Separate Lease shall commence on the date that it is executed or as otherwise provided therein and shall expire on the same date as this Lease. Notwithstanding any other term or provision of this Lease, (a) no Separate Lease shall be cross defaulted with this Lease or any other Separate Lease, (b) no tenant under a Separate Lease shall have any obligations or liabilities with respect to or under this Lease, any other Separate Lease, the remaining Land under this Lease or any other Separate Land, (c) neither the expiration of the Term, the earlier termination of this Lease nor the extension of the Term shall affect in any manner any Separate Lease, and all Separate Leases shall remain in full force and effect, and (d) neither the expiration of the term of any Separate Lease, the earlier termination of any Separate Lease nor the extension of the term of any Separate Lease shall effect in any manner this Lease or any other Separate Lease, and this Lease and all other Separate Leases shall remain in full force and effect. Tenant shall guarantee the tenant's performance of and compliance with the terms of any Separate Lease. No Separate Lease shall include Tenant's rights under Section 18 of this Lease, unless Landlord agrees in its sole discretion to the assignment of such rights; provided that the foregoing shall not limit, in any way, Tenant's rights under the Project Agreement.

17. PROJECT AGREEMENT AND ENVIRONMENTAL AGREEMENT

The Project Agreement, attached as Exhibit B, and the Environmental Agreement, attached as Exhibit C, are hereby incorporated by reference into this Lease. Accordingly, the parties must comply with the terms of the Project Agreement and Environmental Agreement in the same manner that the parties must comply with the terms of this Lease. If there is conflict between the terms of this Lease and the terms of the Project Agreement and/or the Environmental Agreement, the terms of the Project Agreement and/or the Environmental Agreement shall control, except in the case of a conflict between the provisions of Section 7 of this Lease and the terms of the Project Agreement, the provisions of Section 7 of this Lease shall control, as more specifically provided in Section 7(E) of this Lease.

18. CONVEYANCE OF LAND

A. Conveyance of Land. Landlord shall have a continuing obligation to convey the fee simple title to the Land as provided in the Project Agreement. Tenant's right to acquire all or portions of the Land shall be governed by the Project Agreement.

B. Title Policy. On or before the Commencement Date, Landlord shall deliver to Tenant a leasehold title policy in the amount of \$2,100,000 in the name of Tenant insuring Tenant's interest in the leasehold interest created by this Lease subject only to those matters set forth in that certain Title Commitment issued by First American Title Insurance Company as File No. NCS 851787 INDY, dated as of April 5, 2018, and matters disclosed in an ALTA survey of the Land (the "**Permitted Exceptions**") showing a good and marketable title in the leasehold estate of the Land in Tenant, with endorsements requested by Tenant; provided, however, that Tenant shall be solely responsible for all costs related to such endorsements.

19. ESTOPPEL CERTIFICATES

Either party shall, without charge, at any time and from time to time hereafter, within a reasonable time, not to exceed twenty (20) days after the written request of the other, certify by written instrument duly executed and acknowledged to any Mortgagee or any party financing any portion of the Project, the party requesting same, any assignee or subtenant or any purchaser of either party's interest in the Land or this Lease: (1) that this Lease is in full force and effect and unmodified or, if modified, stating the date of modification and the terms thereof; (2) that the Lease Fee has been paid in full, and (3) that there are no uncured Tenant Defaults or defaults by Landlord, as the case may be, or stating those claimed by either Tenant or Landlord so long as the same are ascertainable, it being intended that any such instrument delivered pursuant to this Section 19 may be relied upon by any existing or prospective Mortgagee, assignee or subtenant of Tenant or purchaser or lender, or prospective purchaser from or lender to, Landlord.

20. PARTIAL INVALIDITY

If any term, covenant, condition or provision of this Lease or the application thereof to any person or circumstance shall, at any time or to any extent, be invalid or unenforceable, the remainder of this Lease, or the application of such term or provision to the persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby, and each term, covenant, condition and provision of this Lease shall be valid and be enforced to the fullest extent permitted by law.

21. REASONABLENESS

Whenever the terms, conditions, covenants or provisions of this Lease entitle Landlord and/or Tenant to exercise their respective opinions, or to give their respective approvals or consents, such opinions shall be reasonable and such approvals and consents shall not be unreasonably withheld, conditioned or delayed; subject, however, to any reasonableness standard described specifically herein.

22. MISCELLANEOUS

A. Binding. The provisions of this instrument shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, legal representatives, successors and assigns.

B. No Change. The Lease and all exhibits attached hereto and forming a part hereof, and any amendments hereto, and the Project Agreement and Environmental Agreement set forth the entire agreement between Landlord and Tenant concerning the Land, and no subsequent alteration, amendment, change or addition to this Lease shall be binding upon either Landlord or Tenant unless the same be reduced to writing and signed by the party to be bound thereby.

C. Waiver. Failure of either party to exercise its rights under the terms of this Lease on any one occasion shall not be construed as a waiver of any requirement of this Lease or waiver of that party's rights to take advantage of any subsequent or continued breach by the other party of any covenant contained in this Lease. All remedies herein provided shall be in addition to and not in substitution for any remedies otherwise available.

D. Counterparts. This Lease shall be executed in counterparts, each of which shall be deemed to be an original.

E. Governing Law. This Lease and each and every provision herein contained, as the same may from time to time be amended, or any disputes or misunderstandings involving same, shall at all times during the term hereof be governed and controlled by the applicable laws of the State of Indiana.

F. Time is of the Essence. Time is of the essence with respect to all terms and conditions of this Lease.

G. No Merger. There shall be no merger of this Lease or of the leasehold estate hereby created with the fee estate in the Land by reason of the fact that the same person acquires or holds, directly or indirectly, this Lease or the leasehold estate hereby created or any interest herein or in such leasehold estate, as well as the fee estate in the Land or any interest in such fee estate.

H. Landlord Cooperation. Landlord shall cooperate and provide all reasonable assistance in connection with Tenant's obtaining, making and submitting all development, land use and similar approvals and consent from governmental authorities with jurisdiction over the use of the Land ("**Approvals**"). Such cooperation and assistance shall include, without limitation, (a) executing, filing and joining in all necessary applications, petitions and proceedings, (b) permitting Tenant to file and pursue such applications, petitions and proceedings in the name of Landlord and (c) executing binding land use commitments and such other and incidental documents, instruments and agreements as may be necessary in connection with the foregoing; provided that Tenant shall reimburse Landlord for any reasonable out of pocket costs and expenses (including reasonable attorney's fees) incurred by Landlord to cooperate with Tenant as required by the terms and provisions of this Section. Unless requested by Tenant, Landlord shall not take any action or initiate any application, petition or proceeding to (a) make, obtain or submit a request for any Approvals, (b) contest the calculation of

Impositions or the valuation of the Land or Improvements, or (c) contest any alleged violations of any Laws related to any Approvals, and Landlord shall not consent or agree to any Approvals without the prior written consent of Tenant. Nothing in this Section 22(H) shall be construed as modifying, superseding or replacing the parties' obligations with respect to the Improvements set forth in Section 7 of this Lease.

I. Quiet Enjoyment. Landlord represents and warrants that (a) Landlord owns in fee simple that certain tract of land and those rights, interests, privileges and easements constituting the Land, subject only to Permitted Exceptions, (b) no other party holds an interest in the fee simple title to the Land as a tenant in common, joint tenant, tenant by the entireties or otherwise, (c) Landlord has full capacity, power and authority to enter into and carry out this Lease, (d) the execution, delivery and performance of this Lease have been duly authorized by Landlord, (e) this Lease is the legal, valid and binding obligation of Landlord, enforceable in accordance with its terms and provisions, and (f) neither the execution and delivery of this Lease nor the terms and provisions thereof violate any agreement, judgment, order or decree to which Landlord is a party or which binds or affects Landlord or that certain tract of land, those improvements and those rights, interests, privileges and easements constituting the Land. At all times during the Term, Tenant shall have the peaceable and quiet enjoyment of the Land, as permitted under this Lease, subject to Landlord's rights under this Lease, the Project Agreement and the Environmental Agreement and to Landlord's rights and remedies if a Tenant's Default exists, without any manner of hindrance or disturbance.

J. Grants of Easements. Notwithstanding any other term or provision of this Lease, Tenant shall have the right to execute and record such utility, drainage, irrigation and access easements and declarations of covenants and restrictions which are necessary or appropriate for the development of the Land and adjoining properties, so long as the same are approved by Landlord, such approval not to be unreasonably withheld, and the same are consistent with the Environmental Agreement and the RWP. Upon the written request of Tenant, Landlord shall execute and join in such easements and declarations, and such easements and declarations shall expire or be terminated only by their terms and provisions, notwithstanding the expiration of the Term. To the extent it has the ability and authority to do so, Landlord agrees to assist with providing or vacating right-of-way grants and easements (including but not limited to utility easements) on the Land or in adjacent roadways if reasonably requested by Tenant, at Tenant's sole cost, to facilitate Tenant's proposed development.

K. Successors and Assigns. This Lease and all of the terms and provisions of this Lease shall inure to the benefit of, and be binding upon, the respective heirs, executors, administrators, successors and assigns of Landlord and Tenant, except as otherwise expressly provided herein.

L. Force Majeure. Notwithstanding any other term or provision of this Lease, if either party is delayed in, or prevented from, satisfying any obligation or liability under this Lease as the result of an act or omission of the other party or any other cause which is not within the control of the party delayed or prevented (including without limitation, inclement weather and the unavailability of materials, equipment, services or labor), then the satisfaction of such obligation or liability shall be excused for the period of days that the satisfaction of such

obligation or liability is delayed or prevented, and the applicable time for satisfying such obligation or liability shall be extended for the same period.

M. Amendments. This Lease shall not be amended, modified, or supplemented, except by a written agreement duly executed by both parties; provided, however, that any material amendment, modification or supplement must also be acknowledged and consented to by Mortgagee.

N. Authority. Landlord and Tenant each represent and warrant to the other that (a) such party has the power and authority to execute and deliver this Lease and to carry out and perform all covenants to be performed by it hereunder, and (b) that the person executing this Lease on such party's behalf has been duly authorized by all necessary action of such party to execute and deliver this Lease on behalf of such party.

O. Not an Offer. Submission of this Lease by either party shall not be deemed an offer to contract with the other party. This Lease shall not be binding on either party in any manner until such time as the Lease is fully executed by both Landlord and Tenant.

[Signatures on Following Page]

EXHIBIT A

LEGAL DESCRIPTION OF THE LAND

Parcel 1:

A part of the Southwest Quarter of Section 8, Township 15 North, Range 4 East, located in the Southeast part of Indianapolis, Indiana, North of and adjacent to Prospect Street, East of and adjacent to the right of way of the Cleveland, Cincinnati, Chicago and St. Louis Railroad, also West of and adjacent to the right of way of the Indianapolis Union Railroad, containing 53.52 acres more or less, and more particularly described as follows:

Beginning at a point located 1779.70 feet West of the East line of Canby Park; thence East 279.70 feet along the North line of Prospect Street to a point 1500 feet West of the East line of said Canby Park; thence continuing East along the said North line of Prospect Street 1030 feet to a point located at the intersection of the North line of Prospect Street and the Northwest right of way line of the Indianapolis Union Railroad; thence Northeasterly 710 feet along the Northwest line of the Indianapolis Union Railroad to a point where the said right of way line intersects the East line of said Canby Park; thence North 28.90 feet along the East line of the said Canby Park to a point where the Northwest right of way line of the said Indianapolis Union Railroad again intersects the East line of the said Canby Park; thence Northeast 530.68 feet along the Northwest right of way line of the Indianapolis Union Railroad to a point where the North line of Woodlawn Avenue intersects the Northwest right of way line of the said Indianapolis Union Railroad; thence West 360.22 feet along the North line of Woodlawn Avenue to a point where the North line of Woodlawn Avenue intersects the East line of the said Canby Park, said point is 929 feet North of the North line of Prospect Street; thence North 321 feet along the East line of the said Canby Park to a point which is 1250 feet North of the North line of Prospect Street; thence West 935.60 feet on a line parallel with Prospect Street to a point of intersection with the Southeast line of Pleasant Run Boulevard; thence Southwest 458.70 feet along the said Southwest line of the said Pleasant Run Boulevard to a point where this said line intersects the South line of the said Boulevard, this said point is also located at a point 880 feet North of the North line of Prospect Street and 1206.73 feet west of the East line of the said Canby Park; thence West 293.27 feet along the South line of Pleasant Run Boulevard to a point that is 880 feet North of the North line of Prospect Street and 1500 feet West of the East line of Canby Park; thence continuing West 887 feet parallel with Prospect Street to a point that is 880 feet North of the North line Prospect Street and 2387 feet West of the East line of Canby Park; thence on a curved line to the left 235.62 feet, said curved line having a radius of 150 feet, to a point; thence West 100 feet more or less to a point in the Northeast right of way line of the said Cleveland, Cincinnati, Chicago and St. Louis Railroad; thence Southeast 1112.69 feet along the said Northeast right of way line of the said Cleveland, Cincinnati, Chicago and St. Louis Railroad to the point of intersection with the North line of Prospect Street, which is the point of beginning.

Parcel 2:

A part of the Southwest Quarter of Section 8, Township 15 North, Range 4 East, along Pleasant Run Parkway, more particularly described as follows:

Beginning at a point 1182 feet East of the East property line of Keystone Avenue, said point being 880 feet North of the North property line of Prospect Street, thence extending East and parallel to the North property line of Prospect Street a distance of 293.27 feet to a point; thence in a Northeasterly direction and forming an angle of 53 degrees 46 minutes to the left, a distance of 293.27 feet to a point of tangency, said point being 1116.51 feet North of the North property line of Prospect Street, and 1648.6 feet, more or less, East of the East property line of Keystone Avenue; thence in a Southwesterly direction on a curved line whose radius is 578.34 feet, a distance of 542.72 feet to the point of beginning.

Parcel 3:

A part of the West Half of the Southeast Quarter of Section 8, Township 15 North, Range 4 East, described as follows: Beginning on the West line of the Southeast Quarter of Section 8, Township 15 North, Range 4 East, at a point 934 feet North of the Southwest corner thereof and running North with the West line of said Quarter Section 1371 feet to a point 363 feet South of the Northwest corner of said Quarter Section; thence South 71.5 degrees East 495 feet; thence South 58 degrees East 688 feet to the West line of the right of way of the Belt Railroad and the Union Transfer Stock Yard Company; thence Southwestwardly with the West line of said right of way 1090 feet to the center of a 50 foot street; thence West 393 feet to the beginning, containing 22.05 acres, more or less.

Parcel 4:

Part of the Southwest Quarter of Section 8, Township 15 North, Range 4 East, described as follows: Beginning at a point in the center line of Southeastern Avenue, at the intersection of the East line of the Southwest Quarter of Section 8, Township 15 North, Range 4 East, distant 332.4 feet South of the Northeast corner of the Southwest Quarter of said Section 8; thence South in and along the East line of said Southwest Quarter a distance of 1060 feet to a point; thence West parallel to the North line of the South Half of said Section 8 a distance of 945.4 feet to a point; thence North 36 degrees and 14 minutes East in and along the West property line of Pleasant Run Boulevard, a distance of 1385.7 feet to a point on the center line of Southeastern Avenue; thence in a Southeasterly direction in and along the center line of Southeastern Avenue a distance of 153.5 feet to the place of beginning, containing 13.3 acres, more or less.

Parcels 1, 2, 3, and 4 above are also described as follows:

Part of Block 2 in Canby Park, an Addition to the City of Indianapolis, as per plat thereof, recorded in Plat Book 14, page 190, in the Office of the Recorder of Marion County, Indiana, and part of the South Half of Section 8, Township 15 North, Range 4 East of the Second Principal Meridian, in the City of Indianapolis, Marion County, Indiana, more particularly described as follows:

Commencing at the Quarter corner common to Sections 8 and 17 in said Township and Range; thence North 00°14'25" East (this and all subsequent bearings based on the Indiana Coordinate System of 1983, East zone), 529.28 feet along the north-south centerline of said Section 8 to the northwesterly line of the Belt Railway and the Point of Beginning;

thence South 42°52'59" West, 729.77 feet along said northwesterly line to the South line of the Southwest Quarter of said Section 8; thence South 89°22'05" West, 1005.75 feet along said south line to a line 1500 feet west of the east line of said Canby Park; thence North 00°14'25" East, 30.00 feet along said line to the north right of way line of Prospect Street (60 foot right of way); thence South 89°22'05" West, 288.32 feet along said north right of way line to the northeasterly line of the Cleveland, Cincinnati, Chicago and St. Louis Railway Company right of way; thence North 49°40'08" West, 1113.53 feet along said northeasterly line to the southeasterly right of way line of Pleasant Run Parkway; thence North 89°22'05" East, 110.72 feet along said southeasterly line; thence northeasterly 235.53 feet along said southeasterly line being a non-tangent curve concave to the southeast, having a radius of 150.00 feet and a chord bearing North 44°23'02" East, 212.07 feet to the 100 foot wide right of way of said Pleasant Run Parkway; thence North 89°23'02" East, 886.96 feet along said southeasterly line; thence northeasterly 542.75 feet along said southeasterly line being a curve concave to the northwesterly, having a radius of 578.34 feet and a chord bearing North 62°29'40" East, 523.05 feet; thence North 35°37'03" East, 1479.28 feet along said southeasterly line to the southwesterly right of way line of Southeastern Avenue (100 foot right of way); thence South 74°02'44" East, 274.43 feet along said southwesterly line; thence southeasterly 538.47 feet along said southwesterly line being a non-tangent curve concave to the southwest, having a radius of 1859.86 feet and a chord bearing South 65°47'59" East, 536.59 feet; thence South 57°28'49" East, 483.69 feet along said southwesterly line to the northwesterly line of the parcel described in deed to the Indianapolis Union Railway Company, recorded February 14, 1927, in Deed Record 81, page 124, in said Office of the Recorder; thence southwesterly 592.64 feet along said line being a non-tangent curve concave to the northwest, having a radius of 2196.83 feet and a chord bearing South 35°07'53" West, 590.85 feet; thence South 42°52'59" West, 493.42 feet along said line to the centerline of Woodlawn Avenue; thence North 89°24'06" East, 56.25 feet along said centerline to said westerly line of the Belt Railway; thence South 00°15'14" West, 25.00 feet along said westerly line to the south line of said Woodlawn Avenue; thence South 89°24'06" West, 45.13 feet along said south line to said northwesterly line of the Belt Railroad; thence South 42°52'59" West, 482.42 feet along said northwesterly line to said north-south centerline of Section 8; thence South 00°14'25" West, 29.52 feet along said line to the Point of Beginning, containing 87.873 acres, more or less.

EXHIBIT A-1

DEPICTION OF THE LAND

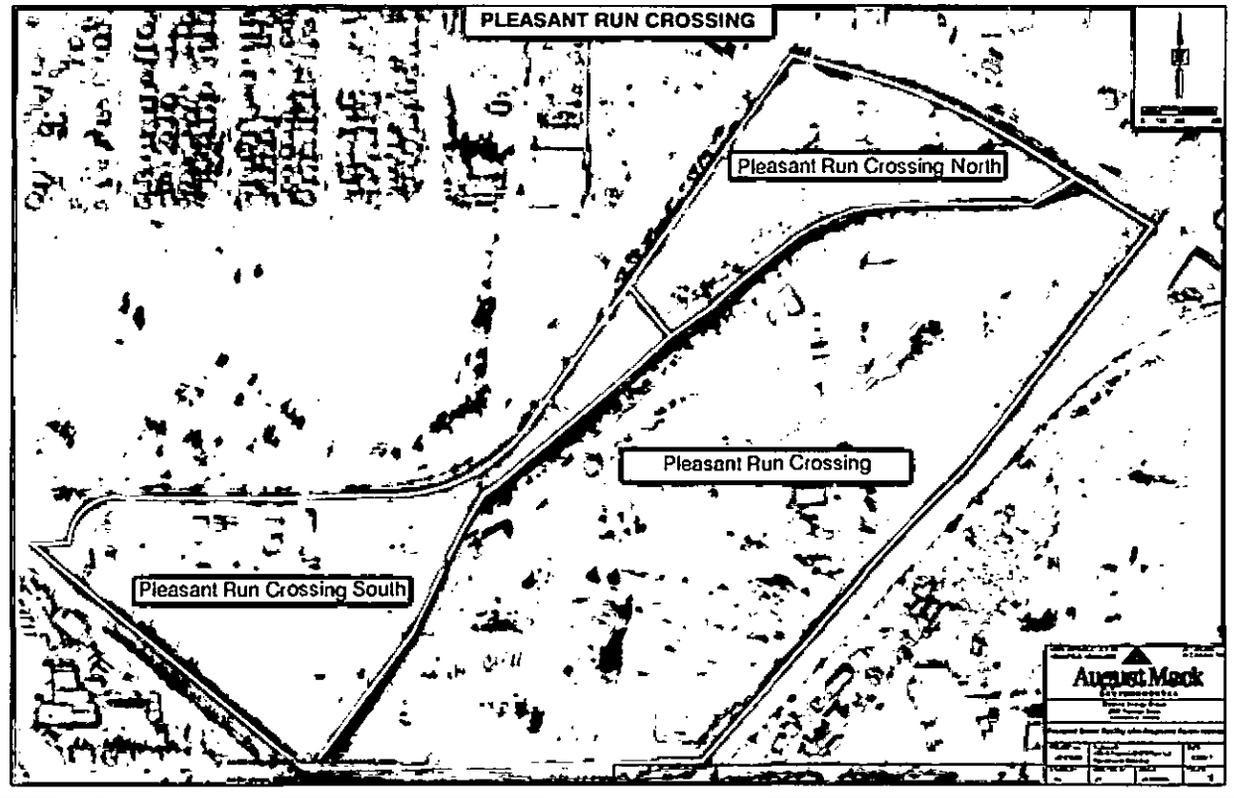


EXHIBIT B

Project Agreement

PROJECT AGREEMENT

THIS PROJECT AGREEMENT (the "Agreement") is made as of December 17th, 2017 (the "Effective Date"), by and between the Consolidated City of Indianapolis and Marion County, Indiana (collectively, the "City"), and the Department of Public Utilities for the City of Indianapolis, acting by and through the Board of Directors for Utilities (the "Citizens Board"), as successor trustee, in furtherance of a public charitable trust d/b/a Citizens Energy Group ("Citizens") (each sometimes being referred to herein as a "Party" or collectively as the "Parties").

ARTICLE I. RECITALS

A. On May 11, 2016, Indianapolis Mayor Joe Hogsett signed Executive Order No. 4, 2016, launching the Indianapolis Criminal Justice Reform Task Force (the "Task Force"), whose mission was to assess, research, examine, and ultimately report recommendations for the systemic reform and optimization of the current county criminal justice system.

B. On December 12, 2016, the Task Force produced a report recommending a series of reforms to the criminal justice system in Indianapolis and Marion County that will improve health and safety, prevent crime, and redirect offenders back to a successful life in the community at the earliest possible point in time and that would require the construction of several new public facilities, that may include an assessment and intervention center, a consolidated county jail, a courts facility, a professional office building and such other facilities and improvements which the City may determine are beneficial or useful (collectively, the "Community Justice Facilities").

C. Citizens or its affiliated entities own real property located in Indianapolis that is generally depicted on Exhibit A (the "Citizens Property"). Citizens formerly operated a plant that used coal to manufacture gas for delivery to its gas distribution system (the "System") and to manufacture other by-products on some of the parcels comprising the Citizens Property, specifically the Core Properties and PPE, as defined below.

D. The City has determined it is desirable to locate the Community Justice Facilities and other improvements related to the economic development of Indianapolis on all or portions of the Citizens Property (collectively the land and improvements to be used in connection with the Community Justice Facilities are referred to as, the "Project").

E. The Parties acknowledge that the portions of the Citizens Property identified on Exhibit A as Pleasant Run Crossing North, Pleasant Run Crossing South, Pleasant Run Crossing (the "Core Properties") and Prospect Place East ("PPE") are currently enrolled in the Indiana Department of Environmental Management's ("IDEM") Voluntary Remediation Program (the "VRP"). In order to complete the requirements of the VRP, to obtain a Certificate of Completion (the "Certificate") issued by IDEM and a Covenant Not To Sue executed by the Office of the Governor of the State of Indiana (the "Covenant Not To Sue") and to ready the Core Properties and PPE for commercial redevelopment, Citizens submitted to IDEM a

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Remediation Work Plan for PPE on April 30, 2010, which was approved on March, 1, 2011 (the "2011 RWP"),¹ and a Remediation Work Plan for the Core Properties on July 31, 2017, which was amended on November 3, 2017 (the "RWP").

F. The Parties desire to enter into this Agreement to facilitate the construction and completion of the Project, the approval and completion of the RWP, and the conveyance of the Citizens Property to the City, all in accordance with, and subject to, the terms and conditions set forth herein.

NOW, THEREFORE, for the consideration hereinafter described, the Parties hereto hereby agree as follows:

ARTICLE II. SITE DEVELOPMENT PLANS

A. Approval of Site Development Plans. On or before January 31, 2018, the City shall submit to Citizens preliminary design drawings and plans and specifications that depict the footprint of improvements that are anticipated at that time to be constructed on the Core Properties which shall include (i) proposed plans for the relocation of any existing utility lines or utility easements located on the Core Properties (all subject to the provisions outlined in Article VI), (ii) the location of any new easements requested by the City on the Core Properties, (iii) a site plan showing finished grades, drainage scheme, and the location of the Community Justice Facilities and other related or supportive facilities on the Core Properties, and (iv) any other information related to the development of the Project that will require the disturbance or movement of soil at the Core Properties ((i), (ii), (iii) and (iv) collectively, "Site Development Plans"). Citizens shall have sixty (60) days from receiving the Site Development Plans to determine if, in its reasonable discretion, the Site Development Plans: (i) are reasonably consistent with Citizens' obligations in the approved RWP, (ii) are not reasonably expected to increase Citizens' costs of implementing and completing the RWP, (iii) are reasonably expected to comply with the terms of the Environmental Agreement (as defined herein), and (iv) are not reasonably expected to trigger additional potential liability or costs to Citizens under any federal, state or local law (collectively, the "Citizens Site Impact Approvals"). If Citizens fails to provide its written approval or disapproval of the Site Development Plans within the sixty (60) day period, Citizens shall be deemed to have disapproved the Site Development Plans. In the event Citizens approves the Site Development Plans, such approval shall not be deemed consent to an obligation or waiver of any rights of Citizens in Article VI regarding infrastructure improvements or the installation of any utilities to the Project. Prior to obtaining the Citizens Site Impact Approvals, the City shall have the right to proceed with the Project on the Core Properties, including planning and procurement, site work and initial development work; provided the City ultimately complies with Citizens Site Impact Approvals and compensates and indemnifies Citizens for all loss, claims and damages arising from City's work on the Project occurring prior to receipt of the Citizens Site Impact Approvals, including City's non-compliance with the Citizens Site Impact Approvals, as finally provided by Citizens. Citizens

¹ On December 5th, 2016, Citizens submitted a Remediation Completion Report for PPE to IDEM reflecting the fact Citizens has completed the work required in the 2011 RWP. By letter dated April 27, 2017, IDEM provided comments to the PPE Remediation Completion Report and Citizens is working with IDEM to resolve IDEM's comments, which is anticipated to be resolved by the second quarter of 2018.

acknowledges that the City has informed Citizens that the City's current Project plan only contemplates the construction of an assessment and intervention center, a consolidated county jail, and a courts facility and that the City's failure to provide design drawings and plans and specifications beyond those facilities shall not be a basis for disapproval of the Site Development Plans. The parties agree to cooperate in good faith prior to the timeframes outlined in this Section II.A with respect to the City providing drafts of preliminary design drawings and plans and specifications, and for feedback on the same, to provide for the potential of Citizens delivering its Citizens Site Impact Approvals prior to the period for review outlined above, and/or for the City to be better informed as to Citizens' views so as to determine whether to proceed with Project planning and procurement on the Core Properties prior to the Citizens Site Impact Approvals pursuant to the preceding sentence. If Citizens disapproves or is deemed to have disapproved the Site Development Plans, both Parties shall appoint representatives to work together utilizing best efforts, acting reasonably and in good faith, to address changes to the Site Development Plans that will resolve any issues with the Citizens Site Impact Approvals (a "Revised Site Development Plan"). If, despite such good faith efforts, the Parties cannot reach a mutually agreeable Revised Site Development Plan within thirty (30) days of the City's receipt of Citizens' disapproval of the Site Development Plans, either Party shall have the right to terminate this Agreement through written notice to the other Party. Any mutually agreeable Revised Site Development Plan shall be considered the Site Development Plans for purposes of this Agreement, the Ground Lease, and the Environmental Agreement. The Site Development Plans, once approved, will be attached to the Ground Lease (as defined herein) as an exhibit. The Parties agree that a similar site impact approval process shall be implemented for PPE.

B. Changes to the Site Development Plans. Any material changes to the approved Site Development Plans which materially impact any of the Citizens Site Impact Approvals or add additional improvements that expand the footprint of the Project on any of the Core Properties shall be subject to the review and approval of Citizens as provided in Article II (A) above, except that Citizens' approval shall not be unreasonably withheld, conditioned or delayed. All rights of Citizens to approve the Site Development Plans related to the Project or any other part of the Citizens Property shall terminate upon Citizens obtaining the Certificate and the Covenant Not to Sue and the Environmental Restrictive Covenant has been recorded; provided, however, that the Core Properties and PPE shall continue to be burdened by the Environmental Restrictive Covenants and Environmental Easement which have been recorded against such properties.

ARTICLE III. THE CITIZENS PROPERTY

A. Transfer of Interests in the Core Properties. To facilitate the construction and development of the Project and the completion of the RWP, Citizens, on its own behalf and on behalf of its affiliates, shall lease the Core Properties to the City upon material terms the Parties deem mutually necessary to accomplish the intent of the Agreement, including the following terms (collectively, the "Ground Lease").

(i) Contemporaneously with execution and delivery of the Ground Lease, the City shall pay Citizens the sum of Two Million One Hundred Thousand Dollars (\$2,100,000.00) (the "Lease Fee") as compensation for the rights Citizens is granting the

City under the Ground Lease. The Parties are allocating the Lease Fee to the Core Properties as follows: (i) Pleasant Run Crossing – Six Hundred Fifty Thousand Dollars (\$650,000.00); (ii) Pleasant Run Crossing North – Six Hundred Sixty-Two Thousand Dollars (\$662,000.00); and (iii) Pleasant Run Crossing South – Seven Hundred Eighty-Eight Thousand Dollars (\$788,000.00).

(ii) The Ground Lease shall be an absolute triple net, financeable ground lease with no annual rent, under which all upkeep, ownership expenses, insurance, maintenance, repair and capital obligations are the City's, except as otherwise provided in the RWP and the Environmental Agreement. The City shall own all improvements constructed on the Core Properties, to the extent permitted under Indiana law.

(iii) Citizens shall retain the right to possess, occupy and use the Core Properties to the extent necessary to implement the RWP and to obtain the Certificate and Covenant Not To Sue. Citizens and the City shall work cooperatively to permit Citizens to implement the RWP and the City to develop the Project in such a way that neither party materially interferes with the operations of the other. The Environmental Agreement (defined in Article IV) shall be incorporated by reference in the Ground Lease and this Agreement.

(iv) The Ground Lease term shall be thirty four (34) years (the "**Term**").

(v) The Ground Lease shall permit the City to pledge its interest in the Core Properties, including its leasehold rights under the Ground Lease and its title to the Project, to secure financing for the Project.

(vi) The City shall have the right to convey, assign, sublease or otherwise transfer its interest in the Ground Lease to a body politic of the City or another "political subdivision" (as such term is defined in Indiana Code 36-1-2-3) (individually and collectively, a "**Public Party**") without Citizens' consent; provided, the Public Party agrees in writing to comply with all obligations of the City under this Agreement, the Ground Lease and the Environmental Agreement. The City shall not have the right to convey, assign, sublease or otherwise transfer its interest in the Ground Lease to any party that is not a Public Party ("**Private Party**") without obtaining Citizens' prior written consent, which consent Citizens may reasonably condition, withhold or deny. In the event the City conveys, assigns, subleases or otherwise transfers its interest in the Ground Lease to a Public Party or a Private Party in accordance with the terms and conditions of this Article III (vi), the City shall remain liable for all its obligations in this Agreement, the Ground Lease, the Environmental Agreement and any applicable Environmental Restrictive Covenant or Certificate.

(vii) Citizens shall quit claim or cause its affiliates to quit claim the fee simple title to the Core Properties to the City (the "**Deed**") not later than thirty (30) days of Citizens obtaining both the Certificate and the Covenant Not To Sue; no further consideration from the City shall be due in connection with such conveyance. The Parties acknowledge the Deed shall also designate previously identified areas of the Core Properties that are Restricted Areas as described in the Environmental Agreement. The

Parties further acknowledge that IDEM will require Citizens to record an Environmental Restrictive Covenant against the Core Properties in the Marion County Recorder's Office restricting future uses of the Core Properties as described in Section 6 of the Environmental Agreement before IDEM will issue the Certificate; thus, the Environmental Restrictive Covenants shall be recorded before the Deed. The City acknowledges that the Certificate must be recorded against the title to the Core Properties before the Covenant Not To Sue will be issued; thus, the Certificate shall be recorded before the Deed. Citizens shall also comply with any legal requirements applicable to the conveyance of the Core Properties and deliver any instruments necessary for the City to obtain a leasehold owner's title insurance policy, free of any encumbrances that were granted by Citizens or its affiliates, except for encumbrances in existence on the Effective Date or expressly or implicitly required by the terms of this Agreement, the Ground Lease or the Environmental Agreement. Upon execution of the Ground Lease, Citizens shall pay the title premium of an ALTA leasehold owner's title insurance policy with an insured amount that shall not exceed the aggregate of the Lease Fee. Citizens shall have no obligation to pay title insurance premiums for policy endorsements or fee owner title insurance upon delivery of the Deed. All other closing costs shall be allocated as is customary for commercial closings in the Indianapolis, Indiana area. In the event Citizens is unable to obtain the Certificate and the Covenant Not To Sue on or before the expiration of the Term, Citizens shall execute and deliver the Deed to the City on the day the Term expires. Citizens shall reserve in the Deed a permanent, subsurface sanitary sewer deep tunnel easement in favor of CWA Authority, Inc., an Indiana nonprofit corporation created pursuant to an Interlocal Cooperation Agreement between the Sanitary District of the City of Indianapolis and the Citizens Board ("CWA"), on the portion of the Core Properties depicted on Exhibit B-1 and B-2 of the Environmental Agreement.

(viii) Citizens shall retain the right to access the Core Properties for purposes of complying with any ongoing obligations required by the approved RWPs, the Certificate and/or Covenant Not To Sue, which shall be on terms mutually agreeable to the Parties, acting reasonably and in good faith and shall be consistent with the provisions of Paragraph 7 of the Environmental Agreement, and shall be recorded in an easement binding on the Core Properties and which shall run in favor of Citizens (the "Environmental Easement").

(ix) Notwithstanding anything to the contrary in this Agreement, the City expressly reserves the right to acquire all or a part of Pleasant Run Crossing North and/or Pleasant Run Crossing South prior to the end of the term of the Ground Lease, so long as Citizens has consented to the same, such consent not to be unreasonably withheld, conditioned or delayed. In the event Citizens agrees to convey all or a portion of Pleasant Run Crossing North and/or Pleasant Run Crossing South to the City, a Public Party or a Private Party prior to obtaining both the Certificate and the Covenant Not To Sue (an "Early Conveyance"), Citizens shall retain (i) its access and use rights in the Ground Lease, (ii) its rights described in Article III(A)(iii), (vi) and (viii) of this Agreement, and (iii) its rights described in Paragraph 7 of the Environmental Agreement. An Early Conveyance shall not release the portions of Pleasant Run Crossing North and/or Pleasant Run Crossing South which are conveyed from the obligations in the Environmental

Agreement or this Agreement that are applicable to that property so long as the Ground Lease remains in effect. Any such conveyance is subject to any subsequent agreements that Citizens may reasonably require to effect such conveyance. The City shall have no right to acquire any portion of Pleasant Run Crossing prior to the end of the term of the Ground Lease.

B. Execution of Ground Lease. Citizens and the City shall negotiate the form of the Ground Lease, acting reasonably and in good faith, no later than sixty (60) days after the Effective Date. The Ground Lease shall be executed not later than ten (10) days following the satisfaction of the Conditions Precedent, as defined in Article VIII. The Parties shall record an executed original of the Ground Lease in the land records of the Marion County Recorder's Office.

C. Development and Construction of Project Improvements. In the event the City decides to develop and construct additional improvements on the Core Properties that are not depicted on the Citizens approved Site Development Plans ("New Project Improvements"), the City shall submit any plans for the New Project Improvements which interfere with those matters in the Citizens Site Impact Approvals to Citizens, which shall be subject to Citizens' approval in accordance with the procedures and terms contained in Article II ("New Improvement Approval Rights") provided that Citizens' approval of the New Project Improvements shall be based on the matters which are a part of the Citizens Site Impact Approvals and shall not be unreasonably withheld. The New Improvement Approval Rights and the City's obligations to obtain approval for any material changes to the Site Development Plans under Article II(B) shall terminate upon the termination of the Ground Lease and the conveyance of all Core Properties to the City.

D. Conveyance of Future Development Property. Contemporaneously with executing and delivering the Ground Lease, Citizens or its affiliated entities will convey the portions of the Citizens Property identified as Twin Aire, Prospect Place West, and Prospect Place East on Exhibit A (the "Future Development Property") to the City upon the terms and conditions in this Article III (D):

(i) The City shall pay Two Million One Hundred Thousand Dollars (\$2,100,000.00) to Citizens for the Future Development Property (the "Purchase Price") as follows: (a) Twin Aire – One Million Two Hundred Sixty Dollars (\$1,260,000.00); (b) PPE – Six Hundred Seventy-Two Thousand Dollars (\$672,000.00); and (c) Prospect Place West – One Hundred Sixty-Eight Thousand Dollars (\$168,000.00).

(ii) Citizens or its affiliated entity shall quit claim the fee simple title to the Future Development Property and the residential lots adjacent to and east of PPE (the "Future Development Deed"), shall comply with any legal requirements applicable to the conveyance of the Future Development Property and shall deliver any instruments necessary for the City to obtain an owner's title insurance policy in an amount equal to the Purchase Price. The Parties acknowledge the Future Development Deed shall also designate previously identified areas of the Future Development Property that are Restrictive Areas as described in the Environmental Agreement.

(iii) The City shall deliver a permanent sanitary sewer easement in favor of CWA on portions of Prospect Place West for the development, construction, operation and maintenance of sanitary sewer improvements related to The DigIndy Tunnel Project ("Tunnel Improvements") based upon other such sanitary sewer easements the City has previously granted to CWA in a location reasonably approved by the City (the "Tunnel Easement"). The Tunnel Easement shall also grant CWA an exclusive, temporary construction easement on and across the entirety of Prospect Place West until December 31, 2024 in order to construct the Tunnel Improvements.

(iv) PPE shall be subject to an Environmental Easement which shall contain (1) a reservation of rights in favor of Citizens similar to the access rights described in Article III (A)(viii), (2) a covenant permitting Citizens to record a Certificate of Completion against the title to Prospect Place East in accordance with the procedures and terms contained in Article III (A)(vii), (3) a covenant with respect to Contractors (defined herein) that complies with the terms of Article III (F), and (4) a reservation of rights to record an Environmental Restrictive Covenant, if necessary, as set forth in Section 6 of the Environmental Agreement.

(v) The Parties shall prorate real estate taxes, personal property taxes and other governmental assessments (collectively, "Governmental Charges") on an assessment basis as is customary for commercial real estate transactions in Indianapolis, Indiana based on the most current tax bill available. Governmental Charges first due and payable prior to the Closing Date shall be paid by Citizens. All other items customarily apportioned in Indiana in connection with the sale of similar properties shall be pro-rated as of the date the Future Development Property is conveyed to the City.

E. Subsequent Conveyance of Citizens Property. For a period of seven (7) years after the execution of the Ground Lease and the conveyance of the fee simple title of the Future Development Property, in the event the City conveys, assigns, subleases or otherwise transfers an interest in the Citizens Property to a third party for the purpose of facilitating the Project or any other development (individually and collectively, a "Transfer"), the City shall pay Citizens fifty percent (50%) of the Net Proceeds (which shall be the consideration received for the Transfer less the value of any improvements made on the property and less the allocated purchase price for the property), if any, received from a Transfer ("Transfer Consideration") on the earlier of the closing of the Transfer or the date the City receives Transfer Consideration. A Transfer shall not include (i) the City's conveyance of a real property interest to a utility provider or a public entity that will provide utility or public services to the contemplated development or any other easement rights; (ii) space leases for a part of any building constructed on the Citizens Property; and (iii) license, profits or similar short term agreements of ninety (90) days or less.

F. Deed Covenants. An important consideration in Citizens' willingness to enter into this Agreement and perform the obligations contained herein is that the City be responsible for the conduct of its representatives, contractors, consultants, developers and agents that perform services related to the development, construction and operation of the Project or other work that involves the Citizens Property (collectively, "Contractor(s)"). Accordingly, the City shall ensure that the type of Contractors identified in Paragraph 13 of the Environmental Agreement shall comply with Paragraph 13 of the Environmental Agreement including but not

limited to the execution and delivery to Citizens of an Accession Agreement (as such term is defined in the Environmental Agreement) for as long as such obligations are in effect under the Environmental Agreement (collectively, "**Contractor Obligations**"). The City's obligations in this Article III (F) shall run with the title to the Citizens Property and shall be recorded in the deed records as a memorandum of the Environmental Agreement. The Contractor Obligations shall not include Contractor work or services that solely involve the interior of constructed improvements once the improvement at issue has been completed.

G. Reserved Utility Easements. The Parties acknowledge that the Citizens Property is burdened by gas improvements related to Citizens' operation of the System and sanitary sewer improvements related to Citizens' operation of the municipal sanitary sewer system that are depicted on Exhibit B (collectively, the "**Citizens Utilities**"). To the extent the Citizens Utilities are not located in easements or other recorded occupancies as of the Effective Date, the Parties shall use good faith efforts to memorialize Citizens' right to utilize the Citizens Utilities in the Ground Lease and any mutually agreeable and commercially reasonable easements necessary to reserve such rights upon delivery of the Deed and/or the Future Development Deed.

ARTICLE IV. ENVIRONMENTAL MATTERS

A. General Environmental Matters. The City acknowledges that portions of the Core Properties and PPE have been historically used as a facility that used coal to manufacture gas for delivery to the System and to manufacture other by-products. The City further acknowledges it understands that portions of the Core Properties and PPE contain soil and other materials that cannot be disturbed, removed or stored without considering Citizens' obligations under the RWP and the Parties' compliance with the Soil Management Plan attached to the RWP (collectively, "**Environmental Matters**"). All Environmental Matters related to the Core Properties and PPE shall be addressed in a separate environmental agreement to be executed between the Parties on even date herewith (the "**Environmental Agreement**"). The final form of the Environmental Agreement shall be subject to such modification as may be required due to IDEM requirements or changes to the RWP so long as approved by the City and Citizens, such approval not to be unreasonably withheld, conditioned or denied. The Parties further agree there may be certain synergies between the work Citizens will perform to implement the RWP and the work the City will perform to develop and construct the Community Justice Facilities that could result in cost savings or other value to one or both Parties (collectively, "**Cost Savings**"). The Parties shall use good faith efforts to incorporate Cost Savings into the Environmental Agreement to the extent mutually acceptable and beneficial to both Parties. The City shall have no obligation in the Environmental Agreement to assume any responsibility or incur any costs for Citizens' implementation of the RWP that do not result in Cost Savings. Citizens shall have no obligation to assume any responsibility or incur any costs for the City's development and construction of the Community Justice Facilities that do not result in Cost Savings.

B. Credits for Cost Savings. The Parties intend that any Cost Savings mutually agreed upon under the terms of the Environmental Agreement shall be credited against the City's obligation to pay the Lease Fee or added to the City's obligation to pay the Lease Fee, depending

on which Party is performing the Cost Savings activity. In the event the agreed-upon Cost Savings cannot be determined until after the execution of the Ground Lease, each Party shall reimburse its respective share of any Cost Savings to the other Party pursuant to the Environmental Agreement within thirty (30) days of the mutual determination of the amount of the Cost Savings. The Parties' obligations with respect to post-Ground Lease execution reimbursement of Cost Savings shall be governed by the Environmental Agreement.

ARTICLE V. ACCESS TO CITIZENS PROPERTY

The Parties acknowledge the City has had access to the Core Properties for the purpose of preliminary Project planning pursuant to that certain Access Agreement executed by the Parties on May 9, 2017 (the "Access Agreement"). The City's rights to access the Core Properties prior to the execution of the Ground Lease shall continue to be subject to and in accordance with the terms of Access Agreement. The City and Citizens hereby agree that the Access Agreement is hereby incorporated into this Agreement by this reference thereto as if fully set forth herein in its entirety and applies to PPE, Prospect Place West and Twin Aire in addition to the Core Properties. Upon the execution of the Ground Lease and the delivery of the Future Development Deed, the Access Agreement shall terminate and the Parties shall have no further rights or obligations to one another under the Access Agreement, except those rights and obligations that expressly survive termination.

ARTICLE VI. INFRASTRUCTURE IMPROVEMENTS

The City will be solely responsible for all necessary infrastructure improvements and utility facilities for the Project. To the extent the City requests utilities supplied by Citizens, Citizens will use commercially reasonable and customary efforts in ensuring that utilities sufficient to support the Project will be made available to the City upon the terms and conditions that are available to other Citizens' rate payers. Any Citizens owned facilities necessary for the Project or otherwise requested by the City will be installed pursuant to all applicable laws and regulatory approvals necessary for Citizens to comply with the service requested. Any utility service the City requests from Citizens shall be memorialized in a separate agreement or agreements that incorporate Citizens' applicable standard tariff and terms and conditions, which are on file with the Indiana Utility Regulatory Commission ("Commission") and are subject to modification from time to time, subject to the Commission's approval.

ARTICLE VII. REPRESENTATIONS AND WARRANTIES

A. Citizens Representations and Warranties.

(i) Citizens has all requisite power and authority to execute and deliver this Agreement. Subject to Article VIII below, the execution and delivery of this Agreement and the performance of the obligations of Citizens hereunder and the consummation by Citizens of the transactions contemplated by this Agreement have been duly and validly authorized by all necessary action, and no other proceeding on the part of Citizens is necessary to authorize the execution, delivery and performance of this Agreement. This Agreement has been duly executed and delivered by Citizens and constitutes a legal, valid and binding obligation of Citizens, enforceable against Citizens in accordance with

its terms and conditions, except to the extent that enforceability may be limited by applicable bankruptcy, insolvency, reorganization or other laws affecting the enforcement of creditors' rights generally.

(ii) The execution, delivery and performance of this Agreement by Citizens upon satisfaction of the conditions set forth herein do not and shall not: (a) violate or conflict with any provision of any governing document of Citizens; (b) violate any provision of law, or any order, judgment or decree of any court or other governmental authority, or (c) violate or result in a breach of, or constitute (with due notice or lapse of time or both) a default under any contract, lease, loan agreement, mortgage, security agreement, trust indenture or other agreement or instrument to which Citizens is a party or by which it is bound or to which any of its properties or assets is subject; in each case where such violation, breach, default or resulting lien or restriction could reasonably be expected to have a material adverse effect on the consummation of any of the transactions contemplated by this Agreement. Notwithstanding anything to the contrary in this Agreement, Citizens must obtain the approvals described in Article VIII (C) before it can perform certain obligations under this Agreement.

(iii) The execution, delivery and performance of this Agreement by Citizens and the consummation by Citizens of the transactions contemplated hereby will not require any notice to, or consent, authorization or approval from any person or governmental authority or any third party other than affiliates of Citizens, other than as identified in this Agreement and/or as communicated to the City in writing.

(iv) Citizens has not entered into any leases or other occupancy agreements demising any portion of the Citizens Property other than matters of record and, to Citizens' knowledge, there are no leases or other occupancy agreements demising any portion of the Citizens Property other than matters of record.

(v) No demands, claims, or litigation, including but not limited to condemnation, eminent domain, or similar proceedings, has been served upon Citizens with respect to the Citizens Property that remains outstanding, and, to Citizens' knowledge, no such demands, claims or litigation have been threatened in writing, except to the extent the Core Properties' and PPE's enrollment in the VRP and the submission of the RWPs to IDEM could be considered litigation, a demand or a claim.

(vi) No broker, finder or other person is entitled to any commission or finder's fee by reason of any agreement or action of Citizens in connection with this Agreement or the transactions contemplated by this Agreement.

B. City Representations and Warranties.

(i) The City has all requisite power and authority to execute and deliver this Agreement. Subject to Article VIII below, the execution and delivery of this Agreement and the performance of the obligations of the City hereunder and the consummation by the City of the transactions contemplated by this Agreement have been duly and validly authorized by all necessary action, and no other proceeding on the part of the City is

necessary to authorize the execution, delivery and performance of this Agreement. This Agreement has been duly executed and delivered by the City and constitutes a legal, valid and binding obligation of the City, enforceable against the City in accordance with its terms and conditions, except to the extent that enforceability may be limited by applicable bankruptcy, insolvency, reorganization or other laws affecting the enforcement of creditors' rights generally.

(ii) The execution, delivery and performance of this Agreement by the City upon satisfaction of the conditions set forth herein do not and shall not: (a) violate or conflict with any provision of any governing document of the City; (b) violate any provision of law, or any order, judgment or decree of any court or other governmental authority, or (c) violate or result in a breach of, or constitute (with due notice or lapse of time or both) a default under any contract, lease, loan agreement, mortgage, security agreement, trust indenture or other agreement or instrument to which the City is a party or by which it is bound or to which any of its properties or assets is subject; in each case where such violation, breach, default or resulting lien or restriction could reasonably be expected to have a material adverse effect on the consummation of any of the transactions contemplated by this Agreement. Notwithstanding anything to the contrary in this Agreement, the City must obtain the approvals described in Article VIII (B) before it can perform certain obligations under this Agreement.

(iii) The execution, delivery and performance of this Agreement by the City and the consummation by the City of the transactions contemplated hereby will not require any notice to, or consent, authorization or approval from any person or governmental authority or any third party.

(iv) No broker, finder or other person is entitled to any commission or finder's fee by reason of any agreement or action of the City in connection with this Agreement or the transactions contemplated by this Agreement.

C. Survival. All of the representations and warranties contained in this Article VII shall survive for a period of six (6) months after the Termination Date.

D. Limitation on Citizens' Representations and Warranties. Except for the representations and warranties of Citizens expressly set forth in this Agreement, the Ground Lease and the Environmental Agreement, the City warrants and acknowledges to and agrees with Citizens that the City is leasing the Core Properties and acquiring the Citizens Property in their "as-is, where is" condition "with all faults", and specifically and expressly without any warranties, representations or guarantees, either express or implied, as to its condition, fitness for any particular purpose, merchantability, or any other warranty of any kind, nature, or type whatsoever from or on behalf of Citizens. Except for the representations and warranties of Citizens expressly set forth in this Agreement, the Ground Lease and the Environmental Agreement, Citizens specifically disclaims any warranty, guaranty or representation, oral or written, past or present, express or implied, concerning (i) the value, nature, quality or condition of the Citizens Property, including, without limitation, the water, soil, geology and geotechnical suitability for the Project, (ii) the income to be derived from the Citizens Property, (iii) the suitability of the Citizens Property for any and all activities and uses which the City may conduct

thereon, including the possibilities for future development of the Future Development Property, (iv) the compliance of or by the Citizens Property or its operation with any laws, rules, ordinances or regulations of any applicable governmental authority or body, (v) the habitability, merchantability, marketability, profitability or fitness for a particular purpose of the Citizens Property, (vi) the manner or quality of the construction or materials, if any, incorporated into the Citizens Property, (vii) the manner, quality, state of repair or lack of repair of the Citizens Property, or (viii) any other matter with respect to the Citizens Property. The City acknowledges and agrees that, except for the representations and warranties of Citizens expressly contained in this Agreement, any information provided by or on behalf of Citizens with respect to the Citizens Property was obtained from a variety of sources and that Citizens has not made any independent investigation or verification of such information and makes no representations or warranties as to the accuracy or completeness of such information. Citizens shall not be liable or bound in any manner by any oral or written statements, representations or information pertaining to the Citizens Property, or the operation thereof, furnished by any Citizens' agent, employee, servant or other person except for the express representations and warranties set forth in this Agreement. The City further acknowledges and agrees that the City is sophisticated and experienced with respect to the leasing, acquisition and development of properties such as the Citizens Property and has been duly represented by counsel and other professionals in connection with the negotiation of this Agreement. Citizens has made no agreement with the City to alter, repair or improve the Citizens Property as part of this transaction, except for Citizens' obligations under the RWP or as provided in the Environmental Agreement.

E. The City acknowledges that it has and will continue to have the opportunity to inspect the Citizens Property prior to execution of the Ground Lease, and during such period, observe its physical characteristics and existing conditions and the opportunity to conduct such investigation and study on and of the Citizens Property and adjacent areas as the City deems necessary to develop and construct the Project. The City further acknowledges that changes in applicable laws and regulations may impact the use or future development of the Citizens Property and that adverse physical characteristics and conditions may not have been revealed by its investigation.

ARTICLE VIII. CONDITIONS PRECEDENT

A. Conditions Precedent. The Parties acknowledge and agree that each Party must obtain additional approvals in order to proceed with the Project (the "Condition(s) Precedent") which shall be satisfied no later than October 31, 2018 (the "Condition Date"). If any Conditions Precedent is not resolved by the Condition Date, this Agreement shall terminate unless the Parties agree to extend the Condition Date. The Parties further acknowledge and agree their obligation (i) to perform the obligations under this Agreement and (ii) to execute the Ground Lease and the Environmental Agreement is contingent upon each Party's satisfaction or waiver of their respective Conditions Precedent by the Condition Date. The Parties agree to work reasonably and in good faith to satisfy the Conditions Precedent on or before the Condition Date.

B. The City's Conditions Precedent. The following shall be the Conditions Precedent to the City's obligations under this Agreement and with respect to the Project:

(i) the City determines in its sole discretion it can execute and perform its obligations under the Ground Lease and the Environmental Agreement in accordance with all statutory, regulatory, legal and other requirements that are applicable to Citizens and the City and any Citizens affiliates that may own portions of the Citizens Property, including, but not limited to, the approval of the Agreement;

(ii) the City obtains all necessary approvals and consents which the City determines in its sole and absolute discretion are necessary or advisable to comply with any and all laws, statutes, rules, regulations applicable to the development of the Project on the Citizens Property and the conveyance of the Citizens Property to the City and related to entering into the Ground Lease and the Environmental Agreement;

(iii) the City determines the Project can be developed and constructed on the Core Properties in such a manner that the Citizens Site Impact Approvals can be satisfied;

(iv) the City determines, in its sole and absolute discretion that neither it, nor Citizens is subject to any injunction, preliminary restraining order or other similar decree of a court of competent jurisdiction prohibiting the consummation of the Project;

(v) the City has completed, to its satisfaction, its business, financial, legal, regulatory, environmental, geo-technical and similar due diligence with respect to the suitability of the Citizens Property for the Project;

(vi) the Parties have mutually approved the Site Development Plans; and

(vii) the Parties have mutually approved the terms of the Ground Lease and Environmental Agreement; and

(viii) City has approved the PPE ERC, as defined below.

C. Citizens Condition Precedent. The following shall be the Conditions Precedent to Citizens' obligations under this Agreement and with respect to the Project:

(i) Citizens determines in its sole discretion it can execute and perform its obligations under the Ground Lease, the Environmental Agreement and the conveyance of the Future Development Property in accordance with all statutory, regulatory, procedural, and other legal requirements that are applicable to Citizens and the City and any Citizens affiliates that may own portions of the Citizens Property, including, but not limited to, the approval of the Agreement;

(ii) Citizens obtains all necessary corporate, board, third-party and other approvals and consents, which Citizens determines in its sole and absolute discretion are necessary or advisable to comply with any and all laws, statutes, rules, and regulations applicable to the approval and terms of this Agreement, the Ground Lease, the Environmental Agreement and the conveyance of the Future Development Property;

(iii) Citizens determines in its sole and absolute discretion and at any time that the Project and Site Development Plan can be developed and constructed on the Core

Properties in such a manner that the Citizens Site Impact Approvals can be satisfied and that its obligations under the Ground Lease and Environmental Agreement comply with Citizens' obligations under the RWP and all other environmental, health and safety obligations;

(iv) IDEM has issued final written approval of the RWP upon terms that Citizens determines are acceptable in Citizens' sole and absolute discretion;

(v) Citizens determines, in its sole and absolute discretion that neither it, nor the City, is subject to any injunction, preliminary restraining order or other similar decree of a court of competent jurisdiction prohibiting the consummation of the Project;

(vi) the Parties have mutually approved the Site Development Plans;

(vii) the Parties have mutually approved the terms of the Ground Lease and the Environmental Agreement; and

(viii) IDEM has approved the Environmental Restrictive Covenant for Prospect Place East (the "PPE ERC") and Citizens has recorded the PPE ERC against title to PPE.

D. Failure to Satisfy a Condition Precedent. If either Party determines in its sole discretion it cannot satisfy, waive, or otherwise resolve one or more of its respective Conditions Precedent on or before the Condition Date, the Party's sole remedy shall be to terminate this Agreement by written notice to the other Party, in the event the Parties shall have no further right or obligation under this Agreement (except for rights and obligations herein which expressly survive the termination of the Agreement). Termination of this Agreement shall not impact the Parties' obligations under the Access Agreement or the Mutual Non-Disclosure Agreement.

ARTICLE IX. GENERAL PROVISIONS.

A. Term. The term of this Agreement shall be for the period commencing on the Effective Date and continuing through the Termination Date (the "**Term**"). As used herein, the "**Termination Date**" shall be the earlier of the date that (i) the Citizens Property is conveyed from Citizens to the City pursuant to the terms of the Ground Lease, or (ii) this Agreement is canceled or terminated pursuant to the terms and conditions herein. If the Termination Date occurs after the execution of the Ground Lease and Environmental Agreement, the Ground Lease and Environmental Agreement shall continue in accordance with their terms.

B. Assignment. Subject to the provisions of Article III(A)(vi), neither Party shall be entitled to assign its rights hereunder without the express written consent of the other Party, which consent shall not be unreasonably withheld, denied or conditioned; provided that the City may assign its interest herein to another department, agency or political subdivision of the City and may collaterally assign its right under this Agreement in connection with any financing for the Project without any consent or approval from Citizens.

C. No Waiver. No failure on either Party's part at any time to require the other Party's performance of any term hereof shall be taken or held to be a waiver of such term or in any way affect such Party's right to enforce such term, and no waiver on either Party's part of any

term hereof shall be taken or held to be a waiver of any other term hereof or breach thereof.

D. Severability. Invalidity or unenforceability of any particular provision hereof shall not affect the other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision had not been contained herein.

E. Entire Agreement: Written Modifications. This Agreement, in conjunction with the Environmental Agreement, Ground Lease, and any subsequent documentation agreed-upon by the Parties to effectuate the terms of these agreements, contains the entire understanding between the Parties with respect to environmental matters related to the Citizens Property. All prior representations, promises, and oral agreements between the Parties with respect to environmental matters are merged hereunto and expressed herein. This Agreement shall not be amended, modified or supplemented except by written agreement signed by both Parties.

F. Governing Law. This Agreement shall be governed by and subject to the laws of the State of Indiana.

G. Captions. The captions herein are for convenience and identification purposes only, are not an integral part hereof, and are not to be considered in interpretation of any part hereof.

H. Notices. All notices and other communications hereunder, including, without limitation, all requests for approvals and notices of approvals or disapprovals, shall be in writing and shall be deemed to have been duly given if sent personally, by a reputable, publicly traded overnight delivery service or by certified or registered mail, return receipt requested, postage prepaid, addressed as follows:

To Citizens:	Citizens Energy Group 2020 North Meridian Street Indianapolis, IN 46202-1393 Attn: Ms. Jennett M. Hill, Esq.
With a Copy To:	Ice Miller LLP One American Square, Suite 2900 Indianapolis, IN 46282 Attn: Mr. Richard J. Thrapp, Esq.
To the City:	City of Indianapolis Corporation Counsel City-County Building, 1601 200 E. Washington St. Indianapolis, IN 46204 Attn: Mr. Andrew J. Mallon, Esq.
With a Copy To:	Faegre Baker & Daniels 300 N. Meridian Street, Suite 2700 Indianapolis, IN 46204

Attn: Mr. Scott Chinn, Esq.

or to such other address as shall be furnished in writing by either Party to the other Party. All notices and other communications hereunder given in the manner provided above shall be deemed effective on the date personally delivered or, if sent by certified mail or by overnight mail, on the date of delivery or when delivery is first attempted.

I. Confidentiality. The Parties executed a Mutual Non-Disclosure Agreement on March 28, 2017, in order to facilitate the Parties' discussions regarding the Project (the "NDA"). The provisions of the NDA are hereby incorporated into this Agreement in all respects, and all information shared between the Parties shall be subject to the NDA, including the provisions regarding Common Legal Interest set forth in Section 5 of the NDA. The effectiveness and enforceability of the NDA shall be separate from and shall survive the termination of this Agreement. No other provision of this Agreement shall be construed as authorizing the disclosure of Confidential Information (as defined in the NDA) that concerns Common Legal Interest or waiving the Common Legal Interest Privilege.

J. Cooperation. The Parties agree to cooperate with each other, acting reasonably and in good faith, in the implementation of the terms of this Agreement, including, without limitation, preparing the form of the Ground Lease, the Environmental Restrictive Covenants and other documents required to implement the terms of this Agreement, and making any RWP required amendments to the Environmental Agreement, permitting access to the RWP in connection with the preparations of the Site Development Plans and for other due diligence related to the Project, and assisting the Parties in obtaining any required permits and approvals for each of their obligations under this Agreement including, without limitation, the execution of any zoning or land use applications or documentation. Such cooperation shall include Citizens signing authorizations and/or consents for the City to obtain zoning modifications and other land use approvals related to the Project, so long as Citizens does not incur third party costs in cooperating with the City.

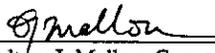
K. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same instrument. For evidentiary purposes, faxed or electronically transmitted counterparts of this Agreement shall be deemed to be originals.

[The rest of this page has been intentionally left blank.]

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the day and year first above written.

CITY:

CONSOLIDATED CITY OF INDIANAPOLIS
AND MARION COUNTY



Andrew J. Mallon, Corporation Counsel

APPROVED AS TO FORM AND LEGALITY:

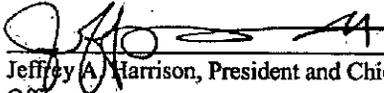


Corporation Counsel

(Signature Page to Project Agreement)

CITIZENS:

DEPARTMENT OF PUBLIC UTILITIES FOR
THE CITY OF INDIANAPOLIS, ACTING BY
AND THROUGH THE BOARD OF DIRECTORS
FOR UTILITIES, AS TRUSTEE, IN
FURTHERANCE OF A PUBLIC CHARITABLE
TRUST D/B/A CITIZENS ENERGY GROUP



Jeffrey A. Harrison, President and Chief Executive
Officer

(Signature Page to Project Agreement)

EXHIBIT A
CITIZENS PROPERTY



A-1

US:115362330.01

EXHIBIT B
CITIZENS UTILITIES



B-1

EXHIBIT C

ENVIRONMENTAL AGREEMENT

Execution Copy

COMMUNITY JUSTICE CAMPUS ENVIRONMENTAL AGREEMENT

This Environmental Agreement ("Agreement") is entered into between the City of Indianapolis ("City") and the Department of Public Utilities for the City of Indianapolis, acting by and through the Board of Directors for Utilities, as successor trustee, in furtherance of a public charitable trust d/b/a Citizens Energy Group ("Citizens") (each being referred to herein as a "Party" or collectively as the "Parties") pursuant to the Project Agreement executed between the Parties on 12-17-17 (the "Project Agreement"). Unless uniquely defined herein, all terms defined in the Project Agreement shall have the same meanings when used in this Agreement. The Effective Date of this Agreement shall be the same as the Effective Date of the Project Agreement.

A. Background

1. The City intends to construct the Project on Citizens-owned property in accordance with the terms of the Project Agreement. Exhibit A attached hereto depicts the six discrete parcels that make up the property for the Project ("Citizens Property"). The Parties acknowledge that Citizens has enrolled portions of the Citizens Property identified on Exhibit A as Pleasant Run Crossing North, Pleasant Run Crossing South, Pleasant Run Crossing, (the "Core Properties") and Prospect Place East ("PPE") in the Indiana Department of Environmental Management's ("IDEM") Voluntary Remediation Program (the "VRP"). The City hereby acknowledges that the Core Properties and PPE are impacted by historic manufacturing operations and that Citizens will be undertaking certain environmental remediation activities to make the Core Properties and PPE suitable for commercial redevelopment, such as for the City's construction and operation of the Community Justice Facilities and the Project. The Project Agreement and the Ground Lease govern the overall terms and conditions by which the City will obtain rights to the Citizens Property for construction and operation of the Project.

2. This Agreement describes, among other things: the terms and conditions regarding how environmental impacts at the Core Properties and PPE will be addressed; access to the Core Properties and PPE to perform various environmental activities (including remediation, operation and maintenance of the groundwater collection and treatment system, and sampling, monitoring and maintaining groundwater monitoring wells); and restrictions on developing portions of the Citizens Property.

B. Environmental Terms and Conditions

1. Remediation Work Plans. As stated above, Citizens has enrolled the Core Properties and PPE in the Indiana VRP. On April 30, 2010, Citizens submitted to IDEM a Remediation Work Plan (RWP) for PPE, which was approved by IDEM on March 1, 2011 (the "2011 RWP"). On December 5, 2016, Citizens submitted a Remediation Completion Report to IDEM reflecting that Citizens has completed the work required by the 2011 RWP. By letter dated April 21, 2017, IDEM provided comments on the PPE Remediation Completion Report and Citizens is working with IDEM to resolve those comments. On July 31, 2017, Citizens submitted to IDEM an RWP for the Core Properties, which was amended on November 3, 2017 (the "2017 RWP"). The 2011 RWP and 2017 RWP (collectively the "RWPs") describe the work that Citizens

will perform to render the Core Properties and PPE suitable for commercial redevelopment such as the Project, and to satisfy Citizens' obligations under the VRP. As set forth in Section VIII.C(iv) of the Project Agreement, Citizens' obligations under the Project Agreement are conditioned upon IDEM's approval of the 2017 RWP. Citizens shall be solely responsible for negotiating the terms of the 2017 RWP with IDEM and for receiving IDEM's final approval of the 2017 RWP.

2. Citizens to Implement the RWPs. Citizens shall be solely responsible to perform the work required by the approved RWPs as necessary to obtain a Certificate of Completion from IDEM pursuant to Ind. Code 13-25-5-16, and a Covenant Not to Sue from the Governor of the State of Indiana pursuant to Ind. Code 13-25-5-18 (the "Remediation Work"). Issuance of the Certificate of Completion and Covenant not to Sue will signify that all Remediation Work required by the approved RWPs has been successfully completed. Citizens shall take reasonable measures in performing the Remediation Work to coordinate completion of the Remediation Work with the City's site preparation, redevelopment work, and construction of the Community Justice Facilities (the "Redevelopment Work"), and to minimize disturbance or interference with the City's rights to occupy and use the Core Properties and PPE. With respect to any groundwater monitoring wells required under the approved RWPs and any deep rock tunnel monitoring wells (collectively referred to as "groundwater monitoring well" or "groundwater monitoring wells" and generally depicted in Exhibit B.1 attached hereto), the City shall, upon submission of an itemized invoice from Citizens issued by its contractor, reimburse Citizens for the costs incurred by Citizens (i) to properly abandon any groundwater monitoring well that needs to be abandoned prior to construction to facilitate the City's Redevelopment Work, which Citizens shall abandon no later than sixty (60) days following written notice from the City that lists wells to be abandoned, and (ii) to install replacement groundwater monitoring wells as required by IDEM or as needed for the DigIndy Tunnel Project; *provided, however*, Citizens shall not be entitled to reimbursement for abandoning any well that IDEM determines does not need to be replaced. If the City has already reimbursed Citizens for any such well prior to IDEM's determination, Citizens shall refund to the City the amount the City paid for that abandonment within a reasonable time of IDEM's determination. Citizens will use reasonable efforts to negotiate with IDEM the number and location of any future replacement groundwater monitoring wells in an effort to minimize impact or disruption of the City's Redevelopment Work, and the City will provide reasonable assistance to Citizens if requested in those negotiations.

3. Costs of RWP Implementation and Potential Cost Savings. Citizens shall be solely responsible for the costs necessary to perform the Remediation Work. The Parties acknowledge that certain aspects of the City's Redevelopment Work will overlap with Citizens' Remediation Work required by the 2017 RWP. The Parties agree to follow the procedures in this Paragraph 3 and to collaborate and to work together in good faith to identify such areas of potential overlap and to develop plans to reduce costs to each Party while still ensuring Citizens' 2017 RWP Remediation Work and the City's Redevelopment Work are fully performed (referred to herein as "Cost Savings"). (The Parties acknowledge and agree that there are no opportunities for Cost Savings under the 2011 RWP.) The City shall have no obligation to assume any responsibility or incur any costs for Citizens' implementation of the 2011 RWP. The City shall have no obligation to assume any responsibility or incur any costs for Citizens' implementation of the 2017 RWP that do not result in Cost Savings to the City. Citizens shall have no obligation to assume any responsibility or incur any costs for the City's Redevelopment Work that does not result in Cost Savings to Citizens under the 2017 RWP.

The process the Parties shall follow to identify potential Cost Savings is described in this Paragraph 3. The intent of the Parties in agreeing to this collaborative process is to identify methods, procedures, and efficiencies that will achieve Cost Savings for the Parties while also satisfying the requirements of both the 2017 RWP and the Redevelopment Work for the Project.

- a. Within ninety (90) calendar days of the date the City provides Citizens the Site Development Plans required by the Project Agreement, or IDEM's final approval of the 2017 RWP, whichever is later, Citizens shall identify the costs for Citizens to complete components of the approved 2017 RWP where there is potential overlap with the Redevelopment Work ("Remediation Work Costs"), and such information shall be provided to the City.
- b. Within forty-five (45) calendar days of receiving the Remediation Work Costs, the City will provide Citizens a written description of the confirmed components of its Redevelopment Work which it believes will overlap with Citizens' Remediation Work and result in Cost Savings while also satisfying the requirements of the final approved 2017 RWP.
- c. Within forty-five (45) calendar days of Citizens receiving the information from the City pursuant to Subparagraph (b) above, Citizens' environmental consultant, in its sole judgment and discretion, shall make a final determination as to whether the City's Redevelopment Work will satisfy the 2017 RWP and verify and approve the amount of the Cost Savings. Such determination shall be at the sole and absolute discretion of Citizens and shall be the final determination on the available Cost Savings.
- d. For the Cost Savings amounts verified and approved by Citizens, the City shall be entitled to an amount equal to 50% of the total Cost Savings as a credit against the Lease Fee. All Costs Savings shall be determined by January 1, 2019. Based on the Parties' preliminary examination of potential Cost Savings, the Parties estimate that each Party's 50% share of the Cost Savings could be a maximum of approximately \$850,000 subject to further refinement and diligence of the Parties as described in this Paragraph 3.
- e. If reasonably required by the City, the Parties shall take reasonable measures to expedite the deadlines provided in this Paragraph 3 to realize any potential Cost Savings to accommodate the City's schedule for its Redevelopment Work.
- f. The Parties intend to continue investigating other opportunities and identifying tasks that may be mutually beneficial with respect to facilitating Remediation Work and/or Redevelopment Work, including such tasks that may result in additional cost savings, and may mutually agree, in writing, to pursue such opportunities and tasks.
- g. All agreements with respect to Cost Savings and any obligations assumed by the Parties under this Paragraph 3 shall be in writing, signed by both Parties, and incorporated as an exhibit to this Agreement.

4. Other Project Costs. Other than mutually agreed-upon credits for Cost Savings described in Paragraph B.3 above, all costs related to the Redevelopment Work and/or the Project, including without limitation all costs related to implementing the Soil Management Plan that must be followed by any person when soil at the Core Properties is disturbed, are solely the responsibility of the City. The City shall take reasonable measures in performing the Redevelopment Work to coordinate with Citizens in its performance of the Remediation Work, and to minimize any disturbance to and to avoid interfering with the Remediation Work.

5. Restrictions on Development. The City hereby acknowledges and agrees that certain sections of the Core Properties, PPE and Prospect Place West ("PPW") shall have restrictions on development. Exhibits B.1 and B.2 identify those areas described below within which no City Redevelopment Work can occur without the express, prior written approval of Citizens, for the period in which these features are required to remain in place ("Restricted Areas"). The restrictions and requirements with respect to the subsurface sanitary sewer deep tunnel easement shown on B.1 and B.2 are further described in Article III(A)(vii) and (viii) of the Project Agreement. The City shall be responsible for any damage the City or its Contractor(s) cause to any remediation feature created pursuant to the RWPs, or deep rock tunnel monitoring well including without limitation, the Restricted Areas depicted in Exhibits B.1 and B.2 which are described in more detail below:

a. Groundwater/Oil Recovery System Components

These components include: (1) Existing Recovery Wells, (2) New Oil Skimmer Wells, (3) New Groundwater Extraction Wells, (4) Pull Boxes, (5) Trench Observation Wells, (6) Underground Double-Walled Pipe Trench, and (7) System Building. These components are located southeast of Pleasant Run Creek ("PRC") on the western portion of the Pleasant Run Crossing parcel. Citizens shall operate and maintain the groundwater/oil recovery system consistent with the terms of the approved 2017 RWP.

b. PRC Liner

A low permeability granulated clay liner (GCL) was installed over an approximate 2,000 linear foot stretch of PRC, beginning at the intersection of PRC and Prospect Street and extending north/northeast. This GCL cannot be disturbed. Citizens will need to inspect, maintain, and repair (if necessary) this GCL consistent with the terms of the approved 2017 RWP.

c. Shallow Monitoring Wells

Citizens' shallow monitoring well network consists of 12 monitoring wells on the Pleasant Run Crossing North parcel, 23 monitoring wells on the Pleasant Run Crossing South parcel, and 57 monitoring wells on the Pleasant Run Crossing parcel. Citizens will need to monitor and maintain these wells consistent with the terms of the approved 2017 RWP.

d. Deep Monitoring Wells

Citizens' deep monitoring well network consists of four monitoring wells on the Pleasant Run Crossing parcel and three monitoring wells on the Pleasant Run Crossing South parcel. Citizens will need to monitor and maintain these wells consistent with the terms of the approved 2017 RWP.

e. Pleasant Run Creek Deep Rock Tunnel Monitoring Wells

Citizens' Pleasant Run Creek deep rock tunnel monitoring wells consist of one monitoring well on the Pleasant Run Crossing North parcel and one monitoring well on the Pleasant Run Crossing South parcel. Citizens will need to monitor and maintain these wells consistent with its obligations associated with the DigIndy Tunnel Project.

f. Indiana Department of Natural Resources ("IDNR") Mitigation Area

As part of the Pleasant Run Creek Interim Measure ("IM") permitting process, the IDNR required Citizens to mitigate the disturbed riparian habitat following completion of the PRC IM work. Only 4.7 acres of the 8 acre IDNR Mitigation Area depicted on Exhibit B will ultimately need to be set-aside for this Mitigation Area.

g. Interceptor Trench and Collection Vault

The Interceptor Trench and Collection Vault were installed pursuant to the 2011 RWP for PPE. Groundwater flowing north to the northern boundary of PPE is captured by this system and routed to a sewer owned and operated by Citizens. Operation and maintenance of this system are required by the approved RWP for PPE.

6. Land Use and Activity Restrictions. The Parties acknowledge that the final approved RWP for the Core Properties and PPE will require that certain land use and activity restrictions be placed on the Core Properties and PPE through an Environmental Restrictive Covenant ("ERC") which Citizens will record in the Marion County Recorder's Office after the 2017 RWP is approved by IDEM and before title to all or portions of the Core Properties and PPE are deeded to the City as described in Section III.A(vii) of the Project Agreement. Citizens will be responsible for negotiating the terms of the ERC(s) to be recorded on the Core Properties and PPE which, at a minimum, will include the restrictions contained in the approved RWPs and such other provisions required by IDEM. Prior to executing and delivering the Future Development Deed for the Prospect Place West and Twin Aire parcels, Citizens shall also have the right to record a restrictive covenant (RC) against the fee simple title to the Prospect Place West and Twin Aire parcels that prohibits the potable use of groundwater from the parcels and that require that any soil disturbance at those parcels comply with legally required soil management and health and safety plans. The City agrees to fully comply with the ERC(s) and RC(s) recorded on the portions of the Citizens Property that the City leases and/or ultimately owns. Nothing in this Agreement shall prevent the City from seeking IDEM's written approval to modify any ERC(s) after transfer of the Core Properties and/or PPE to the City, provided that the City must provide Citizens with a copy of

any ERC modification request simultaneously when submitting it to IDEM. Until December 31, 2039, Citizens, in addition to IDEM, must approve any modification to an ERC in writing, which shall not be unreasonably withheld by Citizens; on or after January 1, 2040, the City shall provide Citizens notice of, but Citizens will not have the right to approve but may comment on, any such modification request. In no event shall the City be permitted to seek a modification to an ERC that will result in increased costs or obligations to Citizens.

7. Access to Perform Remediation Activities.

a. The City acknowledges that Citizens will continue to own the Core Properties after approval of the 2017 RWP and until fee simple title to all or portions of the Core Properties is transferred to the City or its approved designee pursuant to the Project Agreement and Ground Lease. The City agrees that, while Citizens owns the Core Properties, and after the City or its approved designee acquires fee title to the Core Properties, Citizens shall continue to have full access to the Core Properties to implement and complete the approved RWPs to obtain the Certificate and Covenant Not to Sue.

b. The City further acknowledges and agrees that when Citizens transfers fee simple title to all or a portion of the Core Properties to the City or its approved designee, Citizens shall have the right to reserve in the deed transferring title an easement that will provide Citizens with continuing access to the Core Properties to perform any and all environmental work Citizens reasonably determines is required by law, or that is requested by IDEM, the U.S. Environmental Protection Agency ("EPA"), or any other agency with appropriate jurisdiction, or that is required by any court order.

8. Lease and Transfer of Title. Consistent with Section III of the Project Agreement and the Ground Lease, Citizens will lease the Core Properties to the City until such time as IDEM issues a "Certificate of Completion" pursuant to Ind. Code 13-25-5-16 and the Governor issues a "Covenant Not to Sue" pursuant to Ind. Code 13-25-5-18 signifying that all Remediation Work required by the approved RWPs has been successfully performed. After the Certificate of Completion is received and recorded, and within thirty (30) days of Citizens' receipt of the Covenant Not to Sue, Citizens will deed the Core Properties to the City or its approved assignee, subject to the reserved easement described in Paragraph 7 above. As provided in Article III(A)(ix) of the Project Agreement, nothing in this Agreement shall prevent the Parties from mutually agreeing to deed Pleasant Run Crossing North and/or Pleasant Run Crossing South, or any portion of these parcels, to the City prior to issuance of the Certificate or the Covenant Not to Sue, provided that with respect to the portion of these parcels at issue Citizens retains (i) its access and use rights in the Ground Lease to the portion of the Core Properties at issue, (ii) its rights described in Article III(A)(iii), (vii) and (viii) of the Project Agreement, and (iii) its rights described in Paragraph 7 of this Agreement.

9. Pollution Legal Liability Insurance. The Parties anticipate acquiring Pollution Legal Liability ("PLL") insurance with a minimum policy limit of \$25 million for the Citizens Property that covers both Citizens and the City. The Parties shall work together in good faith to evaluate the financial feasibility of such insurance and coverages provided. If the Parties conclude the costs are feasible and coverages appropriate, they will acquire PLL insurance and split the costs 50/50.

10. Contractors Insurance. Citizens and the City (or their contractors) shall maintain, with responsible insurance carriers, adequate insurance for the Remediation Work and Redevelopment Work, each respectively, with both named as insureds, including but not limited to general liability, professional liability, contractors pollution liability, auto, and umbrella/excess as reasonably appropriate and such certificates of insurance shall be made available to the other party at their reasonable request during the term of the Ground Lease, and as it pertains to Citizens, any access thereafter under this Agreement for implementation of the RWP (the "Contractor's Coverages").

11. Assignment. Neither Party shall be entitled to assign its rights hereunder without the express written consent of the other Party, which consent shall not be unreasonably withheld, denied or conditioned, provided that the City may assign its interest herein to another department, agency or political subdivision of the City and may collaterally assign its right under this Agreement in connection with any financing for the Project without any consent or approval from Citizens.

12. Environmental Liabilities

- a. The Parties acknowledge and agree that other than the representations, warranties and covenants expressly stated in the Project Agreement and in this Agreement, and in consideration for, among other things, Citizens' agreement to be solely responsible for the Remediation Work, and the City's agreement to be solely responsible for the Redevelopment Work, (i) Citizens makes no other representations, warranties or covenants, express or implied, with respect to environmental matters or Environmental Liabilities (as defined below) relating to the Core Properties and PPE, and (ii) the City accepts the Core Properties and PPE "as is/where is, with all faults."
- b. The City further agrees that it will not seek, assert or bring any claim against Citizens (or its Affiliates) relating to, and specifically releases Citizens (and its Affiliates) from, Environmental Liabilities for environmental conditions existing at the Core Properties and PPE as of the Effective Date.
- c. For purposes of this Agreement, "Environmental Liabilities" shall mean any and all current, future, known, or unknown liabilities, claims, or obligations associated with the Core Properties and PPE arising under any federal, state, or local statute, ordinance, code, regulation, or common law regulating, relating to, or imposing liability for environmental contamination relating to hazardous substances, hazardous materials, contaminants and pollutants of any kind including without limitation common law, the Indiana Environmental Legal Action statute, and the federal statutes commonly known as CERCLA, RCRA, FIFRA, EPCRA, TSCA, OSHA, the Clean Water Act, and the Clean Air Act as well as any state or local law analogues. "Environmental Liabilities" shall further mean any current, future, known, or unknown liabilities, claims, or obligations for increased costs, changes to the Redevelopment Work or the Project, tort claims, and any other liability, claim, cost or obligation whatsoever arising from or related to the presence of any substances in the soil, air, surface water or ground waters of the Core Properties and PPE as of the Effective Date.

- d. Neither Party releases the other Party from any Environmental Liabilities associated with the exacerbation of environmental conditions existing at the Core Properties and PPE as of the Effective Date caused by the other Party's acts or omissions that occur after the Effective Date.
 - e. If a third party makes a claim against either or both Parties, either Party shall be entitled to defend its interests by pointing to the acts or omissions of the other Party that occurred before or after the Effective Date, but shall only be able to bring a claim, whether a direct claim, cross claim or third party claim, against the other Party based on the other Party's acts or omissions that occurred after the Effective Date that exacerbated environmental conditions that existed at the Core Properties or PPE as of the Effective Date.
13. Accession Agreements
- a. The Parties acknowledge and agree that they shall be fully responsible for the conduct of their representatives, contractors, consultants, developers and agents (collectively, "Contractors") performing work at the Citizens Property, and shall ensure their full compliance with all aspects of this Agreement.
 - b. Any Contractor or other third-party performing work at the Citizens Property that involves grading, excavating, disturbing, moving, filling or compacting soil in any way, or building any structure, prior to January 1, 2040, and any third party acquiring any right, title, or interest in the Citizens Property through assignment, sublease, purchase or otherwise, shall be provided a copy of this Environmental Agreement and all of its attachments prior to performing any work at the Citizens Property and shall specifically execute a written Accession Agreement approved by Citizens that states:
 - i. it has read and agrees to be bound by the site restrictions, obligations and restrictions contained in Paragraphs 5, 6, 7, 8, 10, 12, and 13 of this Agreement;
 - ii. it specifically acknowledges that there are known and unknown preexisting environmental conditions at the Citizens Property;
 - iii. it specifically acknowledges that there are currently, or will be in the future, ERCs on the Citizens Property with which it will fully comply; and
 - iv. it specifically releases and waives any claims against Citizens as described in Paragraph 12 of this Agreement.
 - c. Copies of all Accession Agreements executed within five (5) years of the Effective Date shall be provided to Citizens. The City acknowledges and agrees that its obligation to obtain fully-executed Accession Agreements is a critical term of this Agreement and the failure by the City to do so is a breach subject to enforcement through a request for specific performance and damages. Should any claims be asserted against Citizens as a result of the City's failure to obtain an Accession Agreement as required by this Paragraph, the City shall fully defend, indemnify

and hold harmless Citizens from any such claim and any resultant judgment or award.

- d. The obligations under this Paragraph 13 to acquire Accession Agreements shall terminate ten (10) years after Citizens deeds the Core Properties or PPE to the City, respectively. The requirements under this Paragraph 13 (i) shall not include Contractor work or services that solely involve the interior of any constructed improvement once the improvement at issue has been completed; and (ii) shall be limited to prime contractors provided that any prime contracts must contain a provision that the prime contractor's sub-contractors shall also be bound and comply with the terms of the Accession Agreement.
- e. The Parties agree that Citizens may record in the deed records for the Citizens Property a Memorandum of this Agreement.

14. No Waiver. No failure on either Party's part at any time to require the other Party's performance of any term hereof shall be taken or held to be a waiver of such term or in any way affect such Party's right to enforce such term, and no waiver on either Party's part of any term hereof shall be taken or held to be a waiver of any other term hereof or breach thereof.

15. Severability. Invalidity or unenforceability of any particular provision hereof shall not affect the other provisions, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision had not been contained herein.

16. Entire Agreement: Written Modifications: Incorporated by Reference. This Agreement, in conjunction with the Project Agreement, Ground Lease, and any subsequent documentation agreed-upon by the Parties to effectuate the terms of these agreements, contains the entire understanding between the Parties with respect to environmental matters related to the Citizens' Property. All prior representations, promises, and oral agreements between the Parties with respect to environmental matters are merged hereunto and expressed herein. This Agreement shall not be amended, modified or supplemented except by written agreement signed by both Parties. Exhibits A, B.1 and B.2 are expressly incorporated by reference herein.

17. Governing Law. This Agreement shall be governed by and subject to the laws of the State of Indiana.

18. Notices. All notices and other communications hereunder, including, without limitation, all requests for approvals and notices of approvals or disapprovals, shall be in writing and shall be deemed to have been duly given if hand delivered; if emailed; if sent by certified or registered mail, return receipt requested, postage prepaid; or if sent by overnight delivery, addressed as follows:

To Citizens: Citizens Energy Group
 2020 Meridian Street
 Indianapolis, IN 46202-1393
 Attn: Ms. Jennett M. Hill, Esq.
 jhill@citizensenergygroup.com

With a Copy To: Barnes & Thornburg LLP
11 S Meridian Street
Indianapolis, IN 46204
Attn: Mr. John Kyle III, Esq.
john.kyle@btlaw.com

To the City: City of Indianapolis
Corporation Counsel
City-County Building, 1601
200 Washington St.
Indianapolis, IN 46204
Attn: Mr. Andrew J. Mallon, Esq.
andy.mallon@indy.gov

With a Copy To: Faegre Baker & Daniels
300 Meridian Street, Suite 2700
Indianapolis, IN 46204
Attn: Mr. H. Max Kelln, Esq.
h.max.kelln@faegrebd.com

or to such other address as shall be furnished in writing by either party to the other Party. All notices and other communications hereunder given in the manner provided above shall be deemed effective on the date personally delivered, two (2) days after the date deposited with the United States Postal Service or, if sent by certified mail or by overnight mail, on the date of delivery or when delivery is first attempted.

19. Public Announcements. Subject to applicable law, the content and methods of dissemination of public announcements relating to this Agreement or other agreements and understandings between the Parties will be mutually agreed upon by the Parties to the extent practicable.

20. Confidentiality. The Parties executed a Mutual Non-Disclosure Agreement on March 28, 2017, in order to facilitate the Parties' discussions regarding the Project (the "NDA"). The provisions of the NDA are hereby incorporated into this Agreement in all respects, and all information shared between the Parties shall be subject to the NDA, including the provisions regarding Common Legal Interest set forth in Section 5 of the NDA. The effectiveness and enforceability of the NDA shall be separate from and shall survive the termination of this Agreement. No other provision of this Agreement shall be construed as authorizing the disclosure of Confidential Information (as defined in the NDA) that concerns Common Legal Interest or waiving the Common Legal Interest Privilege.

21. Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same instrument. For evidentiary purposes, electronically transmitted counterparts of this Agreement shall be deemed to be originals.

[The rest of this page has been intentionally left blank.]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

CITY:

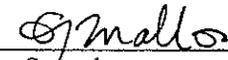
CONSOLIDATED CITY OF INDIANAPOLIS
AND MARION COUNTY

By: 

Name: Andrew J. Mallon

Title: Corporation Counsel as designee
of Mayor Joseph H. Hogsett

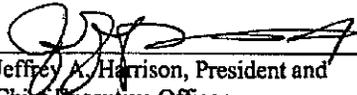
APPROVED AS TO FORM AND LEGALITY:


Corporation Counsel

(Signature Page to Environmental Agreement)

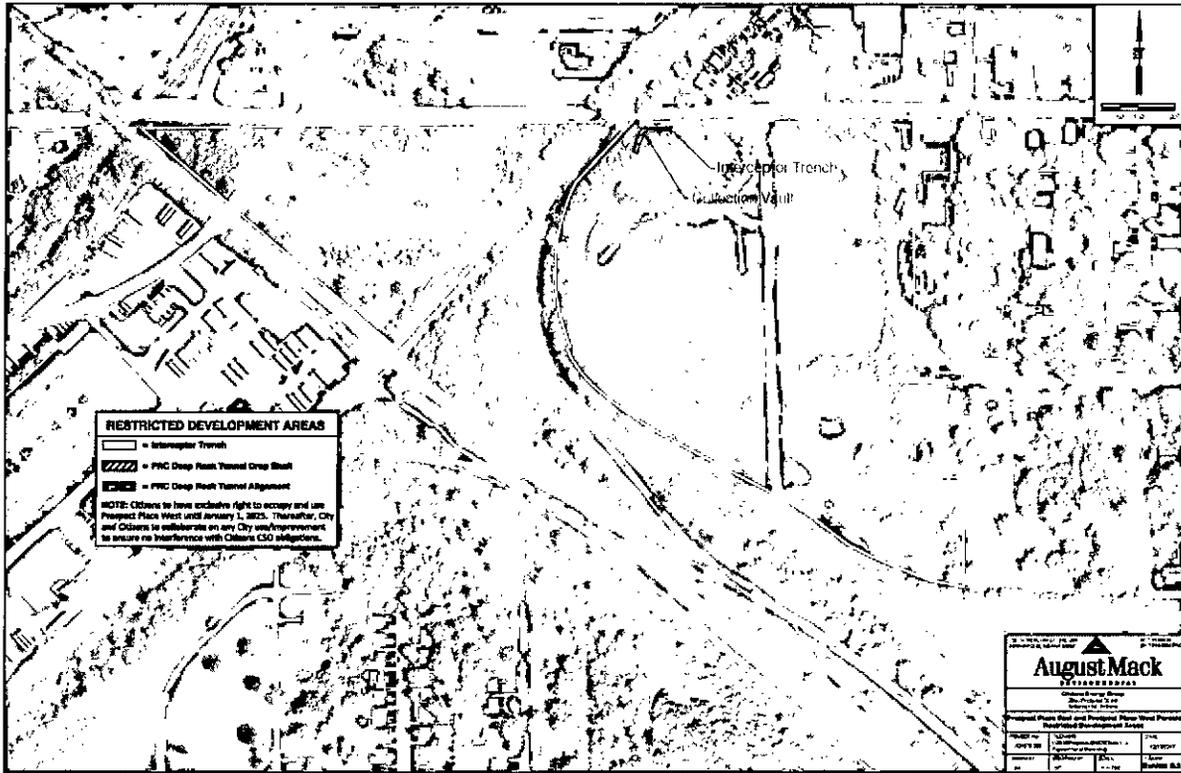
CITIZENS:

DEPARTMENT OF PUBLIC UTILITIES FOR
THE CITY OF INDIANAPOLIS, ACTING BY
AND THROUGH THE BOARD OF DIRECTORS
FOR UTILITIES, AS TRUSTEE, IN
FURTHERANCE OF A PUBLIC CHARITABLE
TRUST D/B/A CITIZENS ENERGY GROUP



Jeffrey A. Harrison, President and
Chief Executive Officer

(Signature Page to Environmental Agreement)



MUTUAL
NON-DISCLOSURE AGREEMENT

This Mutual Non-Disclosure Agreement (this "**Agreement**") is entered into on March 28th, 2017 by and between the City of Indianapolis, Indiana, and its agent, the Indianapolis Local Public Improvement Bond Bank (together, the "**City**") and the Department of Public Utilities for the City of Indianapolis, acting by and through the Board of Directors for Utilities, as Trustee, in furtherance of a Public Charitable Trust d/b/a Citizens Energy Group ("**Citizens**"), each individually a "**Party**" and, together, the "**Parties**".

RECITALS

WHEREAS, each of the Parties possesses and plan to exchange certain confidential information, including proprietary information;

WHEREAS, in connection with the evaluation, consideration and potential consummation of a transaction between the Parties related to the proposed development by the City or other entities acting in agreement with, and on behalf of the City, of a Community Justice Campus on real property owned by Citizens (collectively, the "**Transaction**"), Confidential Information (as defined in Section 1) in the possession of one Party may become available to the other Party; and

WHEREAS, each Party desires to prevent the unauthorized use and disclosure of Confidential Information in its possession;

NOW THEREFORE, in consideration of these premises and for other good and valuable consideration, the receipt of which is hereby acknowledged, the Parties agree as follows:

1. Confidential Information. For purposes of this Agreement, "**Confidential Information**" shall include any information which is provided by the Receiving Party or the directors, officers, employees, agents, advisors, contractors or subcontractors (individually and collectively, "**Representative(s)**") of the Receiving Party or its affiliates or related parties acting in connection with the Transaction by the Disclosing Party, the Disclosing Party's Representatives or any of its affiliates or related parties in connection with the Transaction. Confidential Information includes, but is not limited to, documentation, studies, memoranda and other documents (including environmental data, reports and materials), discoveries, ideas, concepts, drawings, specifications, diagrams, flow charts, or information regarding the Disclosing Party's business, finances, customers, real or personal property, prospects, employees, operations, strategies, products, processes, know-how, inventions, designs, methods, systems, improvements, trade secrets, technology, software and/or data (including not only written information but also transferred orally, visually, electronically or by any other means). Confidential Information also includes analyses and/or any other internal memoranda, reports or other documents prepared by either Party or their Representatives which are derived from, or includes, portions of, the Confidential Information.

2. Nondisclosure Obligation. Subject to the provisions of this Agreement, the Receiving Party shall safeguard and keep confidential the Confidential Information of the

Disclosing Party and, without the prior written consent of the Disclosing Party, shall not disclose to any third party any or all such Confidential Information, nor permit any such third party to have access to such Confidential Information, nor use such Confidential Information for any purpose other than the Transaction. In addition, the Receiving Party shall only disclose such Confidential Information to its Representatives who need to know such Confidential Information in order to analyze the Transaction or to make decisions or render advice in connection therewith. Prior to disclosing any Confidential Information to a Representative, affiliate or related party, the Receiving Party shall require its Representative, affiliate or related party to execute a written agreement acknowledging and agreeing to be bound by the terms of this Agreement in form attached as Exhibit A (individually and collectively, an "**Accession Agreement**"). The Receiving Party shall remain responsible for any breach of this Agreement by any of its Representatives, affiliates or related parties regardless whether the Representative executes an Accession Agreement.

3. Exceptions. All Confidential Information of the Disclosing Party obtained by the Receiving Party or its Representatives, affiliates or related parties shall be presumed to be and treated as confidential and not subject to disclosure. However, the confidentiality requirements of this Agreement shall not apply to any Confidential Information which the Receiving Party can demonstrate falls within any of the following exceptions:

(a) Confidential Information which has come within the public domain through no fault of or action by the Receiving Party or its Representatives, affiliates or related parties; or

(b) Confidential Information which is in the possession of the Receiving Party or one of its affiliates at the time of disclosure by the Disclosing Party or which is independently discovered by the Receiving Party or one of its affiliates without the aid, application or use of the Confidential Information; or

(c) Confidential Information which is obtained by the Receiving Party or one of its affiliates from any third party which is lawfully in possession of such Confidential Information and not in violation of any contractual or legal obligation to the Disclosing Party with respect to such Confidential Information.

4. Access to Public Records Act. The City and Citizens acknowledge each is a "public agency" as defined in Indiana Access to Public Records Act, IC 5-14-1 *et seq.*, (the "**APRA**") and have obligations under the APRA to disclose "public records" to third parties under certain circumstances. The City and Citizens further acknowledge and agree that: (i) they will comply with provisions of the APRA that prohibit disclosure of Confidential Information that meets an exception identified under IC 5-14-3-4(a); and (ii) each are exercising their discretion to except Confidential Information that complies with sections (2), (8), (19) or another exception that may be applicable under IC 5-14-3-4(b) from disclosure by their mutual execution of this Agreement. The Parties agree to use their best efforts to cooperate in discharging obligations under this Agreement with respect to Confidential Information that may be subject to disclosure under the APRA, provided that each Party must provide written notice of any third party request for disclosure of any Confidential Information pursuant to the APRA or similar law within fifteen (15) business days of receiving the request (a "**Public Records Request**"). As

soon as practical thereafter, the Parties agree to confer as to whether Confidential Information must be legally produced in response to the Public Records Request. While conferring with regard to whether Confidential Information must be produced in response to a Public Records Request, the Parties shall consider and balance their mutual commitment to public transparency with their joint goal of consummating the Transaction in a manner that maximizes and promotes the public interest. The Party served with the Public Records Request shall not disclose the Confidential Information unless the Parties mutually agree the Public Records Request requires disclosure of the Confidential Information, unless compelled to do so as provided in paragraph 6. This Agreement shall not be considered Confidential Information and may be disclosed pursuant to a Public Records Request.

5. Common Legal Interest. The City and Citizens acknowledge the Transaction will involve negotiations with the State of Indiana (the "**State**"), the Indiana Department of Environmental Management ("**IDEM**") and the Indiana Utility Regulatory Commission ("**IURC**") that will involve mutuality of legal interest between the City and Citizens which may result in the Parties asserting common legal positions with respect to potential litigation or regulatory proceedings, including but not limited to certain matters that are material to the negotiation, development, execution and completion of the Transaction (collectively, the "**Common Legal Interest**"). Accordingly, the City and Citizens desire to work together on matters of Common Legal Interest with respect to the Transaction without waiving applicable rules of privilege and confidentiality vis-à-vis the State, IDEM, IURC or other third parties. By mutual execution of this Agreement, the Parties intend that all communications between the Parties and their respective agents that involve Common Legal Interest shall be confidential and protected from disclosure to any third party by each Party's attorney-client privilege, each Party's attorney's work-product doctrine immunity from discovery, the "joint defense doctrine" and any other applicable legal privilege or protection including the self-evaluation privilege (collectively, the "**Common Legal Interest Privilege**"). The Parties intend the Common Legal Interest Privilege to extend to any Confidential Information that concerns Common Legal Interest. No other provision of this Agreement shall be construed as to authorizing the disclosure of Confidential Information that concerns Common Legal Interest or waiving the Common Legal Interest Privilege.

6. Compelled Disclosure. In the event the Receiving Party, or any of its Representatives to whom Confidential Information has been disclosed becomes legally compelled through legal action filed in a court of competent jurisdiction to disclose any of the Confidential Information (whether through oral questions, interrogatories, requests for information or documents, subpoena, civil investigative demand or other similar process), the Receiving Party shall provide the Disclosing Party with prompt notice so that the Disclosing Party may seek (at the Disclosing Party's sole cost and expense) a protective order or other appropriate remedy and/or waive compliance with the provisions of this Agreement. In the event such protective order or other remedy is not obtained or the Disclosing Party waives compliance with the provisions hereof, the Receiving Party, or its Representatives, shall furnish only that portion of the Confidential Information which is legally required to be disclosed and shall exercise its reasonable efforts to obtain reliable assurance that confidential treatment shall be accorded the Confidential Information.

7. No Right to Confidential Information. All Confidential Information shall remain the exclusive property of the Disclosing Party. No license or any other rights are granted by this Agreement or by any disclosure made under this Agreement. The disclosure of Confidential Information hereunder shall not result in any obligation on the part of either Party to enter into any future agreement relating to such Confidential Information or to undertake any other obligation not set forth in a written agreement signed by the Parties hereto. It is understood that nothing herein shall prevent either Party from entering into any relationship with any third party, nor prevent either Party from proceeding independently of the other, nor limit or restrict either Party from continuing to use its Confidential Information, as long as such activities do not constitute a breach of any of the obligations set forth in this Agreement.

8. Remedies. Due to the unique nature of the Confidential Information, the Parties understand that the Disclosing Party will suffer irreparable harm in the event of any breach of this Agreement by the Receiving Party or its Representatives, and that monetary damages will be inadequate to compensate the Disclosing Party for any such breach. Accordingly, the Parties agree that the non-breaching Party will, in addition to any other remedies available at law or in equity, be entitled to seek injunctive relief to enforce the terms of this Agreement.

9. Assignment. Neither Party shall be entitled to assign its rights hereunder without the express written consent of the other Party, which consent shall not be unreasonably withheld, denied or conditioned.

10. Severability. The provisions contained in this Agreement are severable and in the event any provision shall be held to be invalid or unenforceable or overbroad, in whole or in part, by a court of competent jurisdiction, the remainder of such provision and of this Agreement shall not be affected thereby and shall be given full force and effect. No failure or delay in exercising any right, power or privilege hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or privilege granted hereunder preclude any other or further exercise of the same.

11. Entire Agreement. This Agreement contains all the representations and agreements between the Parties relating to the Confidential Information any representation, promise, or condition concerning the same which is not contained herein or in a superseding written agreement referring to this Agreement shall not be binding on either Party hereto.

12. Amendment. No modification of this Agreement or any of its terms shall be effective unless in writing signed by the authorized representatives of both of the Parties.

13. Notice. Any notice or demand to be given under this Agreement shall be in writing and may be given by personal delivery, by facsimile transmission, by a nationally recognized overnight delivery service, or by United States mail, postage prepaid, sent certified or registered, and addressed to the addresses set forth on the signature page hereof, or to such other address as either Party may hereafter designate in writing.

14. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be an original and together shall be considered one and the same agreement. This Agreement shall become effective when counterparts have been signed by each Party and

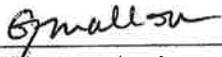
delivered to the other Party, it being understood that the Parties need not sign the same counterpart. For evidentiary purposes, faxed or electronically transmitted counterparts of this Agreement shall be deemed to be originals.

15. Governing Law. This Agreement shall be governed by and construed in accordance with the law of the State of Indiana.

16. Term and Termination. This Agreement shall commence on the date first written above and continue in full force and effect until the first to occur of the following events: (1) ten (10) years following the written termination of discussions between the Parties regarding the Transaction, or (ii) the date of execution by the Parties of a superseding written agreement regarding the Transaction. In the event there is a written termination of discussions regarding the Transaction, each Party shall return or dispose of all Confidential Information, regardless of form or medium, in the Party's possession, custody or control in a manner requested by the Disclosing Party to the extent consistent with governing law.

IN WITNESS WHEREOF, the City and Citizens have caused this Agreement to be signed by their respective duly authorized representatives as of the date first written above.

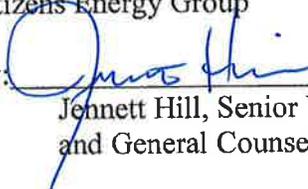
The City of Indianapolis

By: 
Print Name: Andrew J. Mallon
Title: Corporation Counsel

Address:

1601 City-County Building
200 East Washington Street
Indianapolis, Indiana 46204

Citizens Energy Group

By: 
Jennett Hill, Senior Vice President
and General Counsel

Address:

2020 N. Meridian Street
Indianapolis, Indiana 46202

EXHIBIT 6 – Accession Agreements

FORM OF ACCESSION AGREEMENT – NON-DISCLOSURE AGREEMENT

THIS ACCESSION AGREEMENT ("**Agreement**") dated as of _____, 2018, executed and delivered by _____ (the "**DESIGN-BUILDER**"), in favor of the City of Indianapolis, Indiana, and its agent, the Indianapolis Local Public Improvement Bond Bank (together, the "**Client**").

WHEREAS, the DESIGN-BUILDER has agreed to provide certain goods or services related to the Transaction on behalf of the Client;

WHEREAS, the Client has assumed certain obligations associated with Confidential Information regarding the Transaction as set forth in the Mutual Non-Disclosure Agreement (the "**NDA**") attached to the Design-Build Contract as Exhibit 5;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the DESIGN-BUILDER and the Client, the DESIGN-BUILDER agrees as follows:

Section 1. The NDA. Capitalized terms used herein and not otherwise defined herein shall have their respective defined meanings given them in the NDA.

1.1 Accession to NDA. DESIGN-BUILDER hereby agrees to be bound by the Client's obligations under the NDA with respect to any Confidential Information provided to DESIGN-BUILDER in connection with its work on the Transaction. DESIGN-BUILDER also agrees that either of the Parties to the NDA shall have the right to enforce the obligations DESIGN-BUILDER is assuming in this Agreement and pursue the remedies described in Section 8 of the NDA against DESIGN-BUILDER. DESIGN-BUILDER will only be liable pursuant to this Agreement for acts or omissions of the DESIGN-BUILDER, or its employees, subcontractors, consultants, developers, or agents. The provisions of this Agreement are meant to supplement, but not modify, amend, change, conflict with or in any way alter any other agreement between Client and DESIGN-BUILDER.

Section 2. GOVERNING LAW. THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED AND ENFORCED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF INDIANA APPLICABLE TO CONTRACTS EXECUTED, AND TO BE FULLY PERFORMED, IN INDIANA. ALL ASPECTS OF THIS AGREEMENT SHALL BE INTERPRETED AND ENFORCED PURSUANT TO THE APPLICABLE PROVISIONS OF THE PROJECT AGREEMENTS.

Section 3. Assignment. DESIGN-BUILDER'S obligations in this Agreement are not assignable or otherwise transferable without the written consent of Client.

[Signatures on following page.]

IN WITNESS WHEREOF, the DESIGN-BUILDER has caused this Agreement to be duly executed and delivered under seal by its duly authorized officers as of the date first written above.

DESIGN-BUILDER

By: _____
Name: _____
Title: _____

Address for Notices:

Accepted:

CLIENT

By: _____
Name: _____
Title: _____

FORM OF ACCESSION AGREEMENT – ENVIRONMENTAL AGREEMENT

THIS ACCESSION AGREEMENT ("**Accession Agreement**") dated as of _____, 2018, executed and delivered by _____, (the "**DESIGN-BUILDER**"), in favor of the City of Indianapolis, Indiana, and its agent, the Indianapolis Local Public Improvement Bond Bank (together, the "**Client**").

WHEREAS, the DESIGN-BUILDER has agreed to provide certain construction services related to grading, excavating, disturbing, moving, filling, or compacting soil or building of structures at the Citizens Property;

WHEREAS, Citizens Energy Group ("Citizens") and the Client have entered into an Environmental Agreement, dated December 17, 2017 (the "**Environmental Agreement**") which is attached to the Design-Build Contract as Exhibit 3 and incorporated herein by reference;

WHEREAS, pursuant to Paragraph 13 of the Environmental Agreement, the Client has agreed that any contractor or other third-party performing work at the Citizens Property that involves grading, excavating, disturbing, moving, filling or compacting soil in any way, or building any structure, shall be provided a copy of this Environmental Agreement and all of its attachments prior to performing any work at the Citizens Property and shall specifically execute a written Accession Agreement approved by Citizens.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the DESIGN-BUILDER and the Client, the DESIGN-BUILDER agrees as follows:

Section 4. The Environmental Agreement. Capitalized terms used herein and not otherwise defined herein shall have their respective defined meanings given them in the Environmental Agreement.

Section 5. Accession to the Environmental Agreement. As described in Paragraph 13 of the Environmental Agreement, the DESIGN-BUILDER (including its representatives, subcontractors, consultants, developers, and agents):

5.1 Has read and agrees to be bound by the site restrictions, obligations, and restrictions contained in the following Paragraphs 5, 6, 7, 8, 10, 12 and 13 (and their subparts) of the Environmental Agreement:

Paragraph 5: Restrictions on Development

Paragraph 6: Land Use and Activity Restrictions

Paragraph 7: Access to Perform Remediation Activities

Paragraph 8: Lease and Transfer of Title

Paragraph 10: Contractors Insurance

Paragraph 12: Environmental Liabilities

Paragraph 13: Accession Agreements

5.2 DESIGN-BUILDER will only be liable pursuant to this Agreement for acts or omissions of the DESIGN-BUILDER, or its employees, subcontractors, consultants, developers, or agents. The provisions of this Agreement are meant to supplement, but not modify, amend, change, conflict with or in any way alter any other agreement between Client and DESIGN-BUILDER.

5.3 The DESIGN-BUILDER understands that the Client is required to provide a copy of this Agreement to Citizens pursuant to the Environmental Agreement.

Section 6. Governing Law. This Accession Agreement shall be governed by, and construed and enforced in accordance with the laws of the State of Indiana.

Section 7. Assignment. The DESIGN-BUILDER's obligations in this Accession Agreement are not assignable or otherwise transferable without the written consent of Client and such consent shall not be provided unless and until the assignee agrees to this Accession Agreement in writing. If Client consents to an assignment, it will notify Citizens of such assignment in writing, provide the reason therefor, and shall provide an Accession Agreement executed by the assignee to Citizens.

IN WITNESS WHEREOF, the DESIGN-BUILDER and, if applicable, its subcontractors hereby cause this Accession Agreement to be duly executed and delivered by its duly authorized officers as of the date first written above.

DESIGN-BUILDER

By: _____

Name: _____

Title: _____

Address for Notices:

EXHIBIT 7 – Subcontractor’s Disclosure Statement

Prospect Facility
2950 East Prospect Street
Indianapolis, IN
July 2018

_____ (subcontractor or representative) hereby confirms that the subcontractor has read, understands, and will conduct site work in accordance with the “Soil Management Plan,” which Citizens will be required to record as part of the ERC on the Deed to the property located at 2950 East Prospect Street, Indianapolis, IN.

Authorized Signature

Date

Name and Title (Please Type or Print)

EXHIBIT 8 - SOIL MANAGEMENT PLAN



SOIL MANAGEMENT PLAN

Pleasant Run Crossing/Prospect Place
2950 East Prospect Street
Indianapolis, Indiana
Voluntary Remediation Program Number
6050203

August Mack Project Number JR0576.380

SUBMITTED TO:

Mr. Bill Holland
Indiana Department of Environmental Management
Office of Land Quality
Voluntary Remediation Program
100 North Senate Avenue IGCN 1101
Indianapolis, Indiana 46204-2551

ON BEHALF OF:

Citizens Energy Group
2020 North Meridian Street
Indianapolis, Indiana 46202

PREPARED BY:

August Mack Environmental, Inc.
1302 North Meridian Street, Suite 300
Indianapolis, Indiana 46202

ISSUE DATE:

July 2017

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FIGURE

Figure 1 - Pleasant Run Crossing and Prospect Place East Property Map

ATTACHMENTS

- Attachment A - Contractors Disclosure Statement**
- Attachment B - Soil Boring and Monitoring Well Locations Figures**
- Attachment C - Lithological Boring Logs**
- Attachment D - Soil and Groundwater Analytical Results**
- Attachment E - SMP Process Diagram**

1.0 OBJECTIVE

This Soil Management Plan (SMP) has been prepared to provide procedures for managing potentially impacted soils during excavation, construction, and any other activities that may disturb soils within the Citizens Energy Group (Citizens) former MGP property at 2950 East Prospect Street in Indianapolis, Indiana and the Prospect Place East property (collectively, "Site") at 3303 Prospect Street in Indianapolis, Indiana. Corrective actions and remediation work that is being conducted as part of the approved RWP for the Site will have defined goals and objectives and will not utilize the procedures established in this SMP for decision making. The SMP addresses soil disposal and management protocols and worker health and safety when handling soils during non-corrective action/remediation activities (i.e. general construction during redevelopment, future maintenance activities, other non-remediation Site work, etc.)

There is currently no guidance for the development of SMPs, so the procedures outlined in this SMP have been developed based on standard soil management practices and discussions with IDEM on to Site-specific subsurface conditions identified during environmental investigation activities. A Site map demarcating the applicable land area for which this SMP applies has been provided in **Figure 1**.

Unless earth work activities involve imported material as described in Section 4.7, any and all contractors conducting earth work activities at the Site shall execute the Contractor's Disclosure Statement, **Attachment A**, acknowledging their understanding of and compliance with this SMP. In addition, any contractor/developer shall provide IDEM with advance written notice of its intent to implement the SMP at the Site unless the soil disturbance activities are "de minimis."

2.0 INTRODUCTION

Citizens operated a manufactured gas plant from 1909 until 2007. Over the course of its operation, the former plant produced manufactured gas which was distributed to gas customers through the Citizens gas utility distribution system. The former plant also produced metallurgical coke and other byproducts. Citizens utilized Prospect Place East for coke storage. Citizens enrolled Pleasant Run Crossing, Pleasant Run Crossing North, Pleasant Run Crossing South and Prospect Place East in the IDEM VRP in 2005 to address historic environmental impacts associated with historic operations. At the time this SMP was prepared, Pleasant Run Crossing, Pleasant Run Crossing North, and Pleasant Run Crossing South were undergoing investigation and remediation under the oversight of the IDEM Voluntary Remediation Program (VRP) and Prospect Place East had already completed remediation.

2.1 Property Description

Prior to 2017, the Site, which encompasses approximately 109 acres, was divided into 5 parcels, designated by their historic use during the operation of the former manufactured gas plant (Gas Supply, Southeastern, Coal Storage, Batteries & By-Products, and South 40). In 2017, Citizens rebranded its former coke and manufactured gas site on Prospect Street as Pleasant Run Crossing and Prospect Place. Accordingly, the parcel names were updated to the following:

Original Parcel Designation	Updated Parcel Designation
Gas Supply	Pleasant Run Crossing South
Southeastern	Pleasant Run Crossing North
Coal Storage	Pleasant Run Crossing
Batteries & By-Products	
South 40	Prospect Place East

The boundaries and approximate acreages for each of the parcels are depicted on **Figure 1**.

Pleasant Run Crossing, Pleasant Run Crossing North, and Pleasant Run Crossing South are bounded by Prospect Street on the south, Keystone Avenue on the west, Pleasant Run Parkway and Southeastern Avenue on the north, and the Belt railway on the east. All of the immediately adjacent property is commercial or industrial in nature.

Prospect Place East is bordered by Prospect Street to the north and railroad tracks to the west and south. Light industrial property (Shelby Coatings, Inc., which is abandoned) borders Prospect Place East to the east. Residential properties are located further east of these commercial/light industrial properties.

2.2 Historical Land Use

Citizens purchased its first parcel of land on Prospect Street consisting of 21.36 acres in 1908. Gas production began on March 31, 1909, utilizing a water gas plant, and coke production began later that year. Additional land purchases were made until 1946, at which point the facility encompassed the 109-acres of land that the Site occupies today. Operations at the facility included the following:

- Handling facilities for receiving, storing, and mixing coal;
- Four 25-oven by-product coke batteries and one 40-oven coke battery;
- Coke handling facilities including quenching, screening, storing, and loading equipment;
- By-product facilities for cleaning coke oven gas, collecting/storing tar, and ammonia;
- Coke Oven Gas holders with a capacity of approximately 4 million cubic feet;
- Water gas manufacturing facilities and holder;

- Power house facilities for the production of steam and electric power;
- Benzol/Toluol plant for the separation of benzol and toluol from coal tar;
- Cyanogen Plant for the manufacture of feed stocks for the dye industry;
- Maintenance Facilities; and
- Infrastructure including rail lines, dam on Pleasant Run Creek, water and sewer.

Citizens never conducted manufacturing operations on the Prospect Place East Parcel. The manufactured gas plant was shut down July 13, 2007 and demolition activities were conducted from 2012 to 2017.

2.3 Prior Investigations

Citizens has performed several phases of environmental investigation at the Site pursuant to Resource Conservation and Recovery Act (RCRA) corrective action provisions, the IDEM VRP, and other environmental programs since the 1980’s. Citizens conducted comprehensive investigations of surface soil, subsurface soil, and groundwater conditions from 2010 to 2017. Detailed descriptions of Site investigations are presented in the *Pleasant Run Crossing Remediation Work Plan*, which was submitted to IDEM in July 2017, and the *South 40 Remediation Work Plan*, which was submitted to IDEM in April 2010. Citizens conducted investigation of the following environmental media at the three Pleasant Run Crossing parcels and the Prospect Place East parcel; surface soils, subsurface soils, and groundwater. A summary of investigation activities to date is included below.

Investigation Summary			
Parcel	Soil Borings	Surface Soil Samples	Soil Samples
Pleasant Run Crossing South	143	122	190
Pleasant Run Crossing North	45	297	106
Pleasant Run Crossing	167	50	300
Prospect Place East	29	0	44
Totals	384	469	640

All soil boring and monitoring well locations on the Site are depicted on the figures included as **Attachment B**. Lithologic boring logs associated with investigation activities are included as **Attachment C**. Soil and groundwater analytical results are included as **Attachment D**.

3.0 SOIL CHARACTERIZATION

Surface soil, subsurface soil, and groundwater throughout the Site has been impacted as a result of the former manufactured gas plant operations. The majority of impacts includes volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), metals (arsenic and lead), and cyanide. In addition, several areas of non-aqueous phase

liquid (NAPL) have been identified in subsurface soils at the Site. The characterization of impacts to soil and groundwater presented below is based on the results of the extensive groundwater and soil sampling on the parcels described in Section 2.3.

3.1 Description of Soil Impacts

Soil analytical results from the sampling performed in each parcel have been compared to 2017 IDEM Remediation Closure Guide (RCG) Residential Direct Contact Screening Levels, Commercial/Industrial Direct Contact Screening Levels, and Excavation Worker Screening Levels. These screening criteria are being utilized as conservative values for raising awareness and decision making regarding potential risk to future receptors and management of soils excavated during future Site activities. Contractors shall evaluate and comply with all applicable OSHA standards (e.g., Permissible Exposure Levels, Hazard Communication, Excavations, etc.) as necessary to protect their workers during implementation of Site work. Potential contaminants occurring in each parcel above the IDEM soil screening levels are described below.

3.1.1 Pleasant Run Crossing North Surface Soil

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Commercial/Industrial Direct Contact Screening Level:

- PAHs - benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, and indeno[1,2,3-cd]pyrene; and
- Metals - arsenic, lead, and mercury.

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Excavation Worker Screening Level:

- Metals - lead and mercury.

Subsurface Soil

The following potential contaminants were observed in subsurface soils above the IDEM Commercial/Industrial Direct Contact Screening Level:

- Metals - arsenic, iron, lead, and mercury.

The following potential contaminants were observed in subsurface soils above the IDEM Excavation Worker Screening Level:

- Metals - iron, lead, and mercury.

3.1.2 Pleasant Run Crossing South Surface Soil

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Commercial/Industrial Direct Contact Screening Level:

- PAHs - benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and naphthalene; and

- Metals – arsenic, iron, lead, and mercury.

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Excavation Worker Screening Level:

- PAHs - benzo[a]pyrene; and
- Metals – iron, lead, and mercury.

Subsurface Soil

The following potential contaminants were observed in subsurface soils above the IDEM Commercial/Industrial Direct Contact Screening Level:

- VOCs - benzene and xylene;
- PAHs - benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and naphthalene; and
- Metals - arsenic and mercury.

The following potential contaminants were observed in subsurface soils above the IDEM Excavation Worker Screening Level:

- VOCs - xylene;
- PAHs - benzo[a]pyrene and naphthalene; and
- Metals – mercury.

In addition to the above potential contaminants, NAPL has been observed intermittently within the soil matrix at depths ranging from 2 feet below grade (ft bg) to 22 ft bg in the central portion of Pleasant Run Crossing South.

3.1.3 Pleasant Run Crossing

Surface Soil

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Commercial/Industrial Direct Contact Screening Level:

- PAHs - benzo[a]pyrene and dibenz[a,h]anthracene; and
- Metals – lead and mercury.

The following potential contaminants were observed in the surface soils in this parcel above the IDEM Excavation Worker Screening Level:

- Metals – mercury.

Subsurface Soil

The following potential contaminants were observed in the subsurface soils in this parcel above the IDEM Commercial/Industrial Direct Contact Screening Level:

- VOCs – benzene;
- PAHs - benz[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[k]fluoranthene, dibenz[a,h]anthracene, indeno[1,2,3-cd]pyrene, and naphthalene;

- Metals - mercury; and
- Inorganics - WAD cyanide.

The following potential contaminants were observed in the subsurface soils in this parcel above the IDEM Excavation Worker Screening Level:

- PAHs - benzo[a]pyrene and naphthalene; and
- Metals - mercury.

In addition to the above potential contaminants, NAPL has been observed intermittently within the soil matrix at depths ranging from 2 feet below grade (ft bg) to 42 ft bg in the central portion of Pleasant Run Crossing.

3.1.4 Prospect Place East Surface Soil

Surface soil samples were not collected as part of investigation efforts at this parcel.

Subsurface Soil

The following potential contaminants were observed in the subsurface soils in this parcel above the IDEM Commercial/Industrial Direct Contact Screening Level:

- PAHs - benzo[a]pyrene (limited to one sample).

No impacts were observed in the subsurface soils in this parcel above the IDEM Excavation Worker Screening Level.

3.2 Potential for Exposure to Impacted Soils

During earth work activities, exposure to subsurface soils is possible. Therefore, the following analysis of potential exposure pathways is focused on a construction scenario.

3.2.1 Inhalation Exposure Pathway

Inhalation of COCs can occur as a result of either volatilization of certain organic compounds (i.e. VOCs) or inhalation of airborne soil particles. These exposures may be exacerbated during construction activities by vehicular traffic or excavation activities that can release dust into the air. Excavation can also expose volatile compounds that were otherwise covered, increasing the potential for vaporization of those compounds.

3.2.2 Ingestion Exposure Pathway

Incidental ingestion of soils at the ground surface is possible as a result of blowing dust or by eating or drinking with hands that have been in contact with the soil. The risk of incidental ingestion may increase during construction activities as subsurface soils are exposed and the potential for dust increases.

3.2.3 Dermal Exposure Pathway

Similar to the ingestion pathway, general dermal exposure would only be expected for surface soils under a non-construction scenario. However, during construction, the potential for dermal exposures increase as subsurface soils become exposed.

4.0 SOIL MANAGEMENT PLAN

The practices described in this SMP shall be executed to ensure the general safety of all workers on Site, minimize worker exposure to impacted soils, and protect surrounding properties from potential environmental impacts. This SMP specifies soil management protocols, specifically (1) worker protection requirements and (2) soil handling and disposal requirements, based upon the type and magnitude of impacted soil that exists in the area to be disturbed. Because the levels of impacts vary across the Site, an SMP Process Diagram (**Attachment E**) has been provided to help guide soil management decisions for contractors planning earth work activities.

Waste Characterization

Over the course of the operational history of the Site, hazardous wastes (both listed and characteristic) were generated and managed on-Site. Since the source of soil impacts cannot be definitively identified as a listed hazardous waste stream, waste soil for disposal is subject to the solid waste regulations for determining if the waste material is a characteristic hazardous waste. In accordance with 40 CFR 261.24, MGP wastes (such as impacted soil from the Site) are exempt from being considered characteristically hazardous for the toxicity characteristic. Therefore, waste soil generated from the Site need only be considered characteristically hazardous based upon ignitability, corrosivity, or reactivity characteristics.

Data Adequacy

As previously stated, the purpose of this SMP is to protect workers and properly manage potentially impacted soil. Because the appropriate protections and procedures will depend on the amount of impacts in the soil where the specific construction, excavation, or other soil disturbing activities will be occurring, the available sampling results for such specific areas must be consulted to determine if the existing data is sufficient or if additional data must be obtained.

To determine if the existing data is sufficient or if additional data must be obtained, the locations, depths, and results from previous sampling events must be compared to the location, aerial extent, and depth of each specific soil disturbing project. If, based on best professional judgment, the amount of existing data adequately identifies the potential contaminant concentrations in the soil that will be disturbed for the specific project in question, then additional samples are not required. However, if there are no samples in

the area in question, the number of samples are too few based on the size of the project area, or the samples do not represent the depths at which work will occur, then additional samples should be obtained. The location and number of additional samples can be based on best professional judgment or by using a systematic sampling approach.

Safety

In addition to the hazards generally posed by earth moving activities, the hazards posed by earth moving activities at the Site include potential exposure to impacts in the soil. Therefore, prior to performing any soil disturbing activities, the potential hazards of the area and the work to be performed must be evaluated by a competent person to determine appropriate safety measures and employees performing the soil disturbing activities must be appropriately trained. Such measures should include communication of the identified hazards and methods to protect employees from those hazards (e.g., personal protective equipment, comply with the hazard communication program requirements, etc.).

4.1 SMP Process Diagram

The following sections describe the levels of impacts that exist at the Site and the corresponding soil management requirements.

4.1.1 Level 1 Soil

As described in Section 3.0, residual NAPL (e.g. tar and/or oil) has been identified in soil and groundwater at selected locations across the Site. NAPL presents the greatest potential acute risk for on-Site personnel and soils impacted with NAPL are considered to be the most impacted materials on-Site. Accordingly, soils that are known to be impacted with or have the potential to be impacted with NAPL, **Level 1 Soil**, require the highest level of worker protection and soil management.

Earth work shall be managed in accordance with **Level 1 Soil** requirements if (1) the contractor chooses not to review historic Site data to determine presence/absence of impacts in the area to be disturbed, (2) existing data is inadequate for determining the presence/absence of impacts in the area to be disturbed and the contractor chooses not to collect additional data for characterization, (3) physical evidence of NAPL is known to be present in the area to be disturbed, or (4) physical evidence of NAPL is observed during Site work. Any contractor disturbing **Level 1 Soil** shall comply with the following requirements:

- Worker Protection Requirements
 - All personnel involved with the Site work shall have up-to-date 40-hour Hazardous Waste Operations and Emergency Response

(HAZWOPER) training as required under 29 Code of Federal Regulations (CFR) 1910.120.

- The contractor shall possess a written Health and Safety Plan (HASP) (see Section 4.2 below) applicable to the work being performed, which includes, at a minimum, the following components:
 - Personal Protective Equipment (PPE) Requirements (minimum Level D)
 - Odor Control/Dust Control Plan
 - Air Monitoring Requirements
 - Decontamination Plan
- Soil Handling and Disposal Requirements
 - The contractor shall characterize and properly dispose of excavated soils at a permitted, off-Site disposal facility
 - All exposed impacted soils shall be capped per IDEM guidance or other approved cover.
- The contractor shall document and maintain records of work conducted

4.1.2 Level 2 Soil

If soils within a work area do not qualify as **Level 1 Soil**, the contractor shall compare representative data to IDEM’s most current direct contact screening criteria. The contractor shall comply with **Level 2 Soil** requirements if soil impacts within the work area exceed the IDEM Excavation Worker Screening Levels. **Level 2 Soil** designates the second highest level of worker protection and soil management required by this SMP. Any contractor disturbing **Level 2 Soil** shall comply with the following requirements:

- Worker Protection Requirements
 - All personnel involved with the Site work shall have up-to-date 24-hour HAZWOPER training as required under 29 CFR 1910.120 or equivalent training.
 - The contractor shall possess a written Health and Safety Plan (HASP) (see Section 4.2 below) applicable to the work being performed, which includes, at a minimum, the following components:
 - Personal Protective Equipment (PPE) Requirements (minimum Level D)
 - Odor Control/Dust Control Plan
 - Decontamination Plan
 - Soil Handling and Disposal Requirements
 - Soils are acceptable for on-Site use if a beneficial reuse determination has been obtained from IDEM that applies to the soils in question.
 - Debris shall be characterized and properly disposed of at a permitted, off-Site disposal facility

- Soils removed from the Site shall be characterized and properly disposed of at a permitted, off-Site disposal facility
- All exposed impacted soils shall be capped per IDEM guidance or other approved cover.
- The contractor shall document and maintain records of work conducted.

In the event that physical evidence of NAPL is observed during earth work managed in accordance with **Level 2 Soil**, the contractor shall stop work immediately and implement measures to comply with the **Level 1 Soil** management requirements before continuing work.

4.1.3 Level 3 Soil

If soils within a work area do not qualify for **Level 1 Soil** or **Level 2 Soil** requirements, the contractor shall compare representative data to IDEM's most current Commercial/Industrial Direct Contact Screening Levels. The contractor shall comply with **Level 3 Soil** requirements if soil impacts within the work area exceed the IDEM Commercial/Industrial Direct Contact Screening Levels, but are below the IDEM Excavation Worker Screening Levels. Any contractor disturbing soils that qualify under **Level 3 Soil** shall meet the following requirements:

- Worker Protection Requirements
 - HAZWOPER training is not required.
- Soil Handling and Disposal Requirements
 - Soils are acceptable for on-Site use if a beneficial reuse determination has been obtained from IDEM that applies to the soils in question.
 - Debris shall be characterized and properly disposed of at a permitted, off-Site disposal facility
 - Soils removed from the Site shall be characterized and properly disposed of at a permitted, off-Site disposal facility
 - All exposed impacted soils shall be capped per IDEM guidance or other approved cover.
- The contractor shall document and maintain records of work conducted

In the event that physical evidence of NAPL is observed during earth work managed in accordance with **Level 3 Soil**, the contractor shall stop work immediately and implement measures to comply with the **Level 1 Soil** management requirements before continuing work.

4.1.4 Level 4 Soil

If soils within a work area do not qualify under **Level 1 Soil**, **Level 2 Soil**, or **Level 3 Soil** requirements, the contractor shall comply with **Level 4 Soil** requirements. **Level 4 Soil** is applicable if no soil impacts within the work area exist above the

IDEM Commercial/Industrial Direct Contact Screening Levels. **Level 4 Soil** is applicable for both clean soils brought on-Site and existing soils that meet the requirements for **Level 4 Soil**. Any contractor disturbing soils that qualify under **Level 4 Soil** shall meet the following requirements:

- Worker Protection Requirements
 - HAZWOPER training is not required.
- Soil Handling and Disposal Requirements
 - Soils are acceptable for on-Site use
 - Debris shall be characterized and properly disposed of at a permitted, off-Site disposal facility
 - Soils removed from the Site shall be properly characterized for disposal unless the contractor receives a beneficial reuse determination has been obtained from IDEM that applies to the soils in question and the specific off-site reuse.
- The contractor shall document and maintain records of work conducted

In the event that physical evidence of NAPL is observed during earth work managed in accordance with **Level 4 Soil**, the contractor shall stop work immediately and implement measures to comply with the **Level 1 Soil** management requirements before continuing work.

4.2 Health and Safety Plan

All Site work shall follow a project specific HASP in accordance with 29 CFR 1910. Each contractor and subcontractor shall develop a HASP specific to the work it is performing on Site. A hard copy of this HASP shall be maintained on Site and be readily available any time personnel are conducting work on the Site. All personnel shall review and sign the HASP prior to conducting any work on Site. At a minimum, the HASP shall include:

- A description of the work to be performed;
- Emergency information such as contact information for applicable emergency response agencies, evacuation rally points and severe weather shelters, and location of emergency equipment;
- A description of work zone setup;
- Anticipated Site hazards; and
- Job hazard analyses for all tasks that will be performed as part of the project.

For site work in areas containing **Level 1** or **Level 2 Soil**, the HASP shall include plans for mitigating hazards identified (PPE Requirements, Odor Control/Dust Control Plan Air Monitoring Requirements (required for **Level 1 Soil** Only), and Decontamination Plan) as specified in the following sections.

4.2.1 PPE Requirements

All Site personnel shall be required to wear modified Level D PPE while working near **Level 1 or Level 2 Soil**. Level D PPE consists of a hard hat, safety glasses, steel toe boots (or similar American National Standard Institute (ANSI) approved boot), and high visibility clothing. PPE may be upgraded at any time during project work to properly address hazards present.

4.2.2 Odor Control/Dust Control Plan

Dust and odor control monitoring and suppression shall be in place during any work that has the potential to create dust or odors. Should continuous dust monitoring be necessary, a monitoring program should be designed to effectively monitor the work and surrounding area. Dust and odor suppression controls may include:

- Reduction of on-Site vehicle speeds
- Minimizing drop heights to material haulers from soil loaders
- Considering timing of excavation activities and prevalent wind direction(s) and speed
- Use of odor suppressants like BioSolve®, if necessary
- Regular watering of haul roads and soil stockpiles, if necessary
- Revegetating/stabilizing/covering exposed excavations as soon as practicable

4.2.3 Air Monitoring Requirements

In excavation areas containing **Level 1 Soil**, the contractor may periodically screen the air within the excavation for volatile compounds using a photoionization detector (PID). The HASP should establish action levels for air monitoring based on the OSHA Permissible Exposure Limits (PELs) or Threshold Limit Values (TLVs). PIDs should be calibrated daily according to the manufacturer's instructions, and instrument calibration records should be maintained.

4.2.4 Decontamination Plan

All equipment used in areas where **Level 1 or Level 2 Soil** is present shall be decontaminated in accordance with the project specific HASP. During on-Site operations, workers should use brushes, shovels etc. to conduct gross soil removal on equipment used to excavate or move soil at this project Site as necessary. All trucks and equipment should be cleaned and decontaminated prior to leaving the Site. Loose soil on excavation and transport equipment should be brushed off and transferred to the truck containing the impacted soils being transported to the designated landfill.

4.3 Stormwater and Erosion Control

If applicable, a Stormwater and Erosion Control Plan shall be developed in compliance with applicable federal, state, and local regulations (e.g. National Pollutant Discharge

Elimination System (NPDES) permitting, "Rule 5", and Chapter 600 Erosion and Sediment Control) prior to initiation of Site work.

4.4 Water Management

The proposed redevelopment work is unlikely to involve surface water or groundwater removal to perform the construction activities. If necessary, water management may include: (1) constructing, installing, building and maintaining necessary temporary water containment facilities, channels and diversions; (2) furnishing, installing and operating necessary pumps, piping and equipment; and (3) removing all such equipment after their intended function is no longer required. Excavations may be dewatered and maintained so that the material is excavated in its natural state and construction of the proposed Site improvements is completed in dry conditions. Water generated from dewatering activities shall be disposed in accordance with applicable regulations.

Based on the expected excavation depths, groundwater is not expected to be encountered for most normal earth work. Construction is most likely to be completed above the documented groundwater table; however seasonal variation in groundwater levels may influence excavation activities. Accumulated rain and groundwater may require on-Site retention (i.e. rental fractionation vessel) or treatment (e.g. granular activated carbon vessels) prior to removal or discharge. Stored groundwater or water that has been pumped from excavations shall be properly disposed of in accordance with the requirements of the off-Site disposal facility or the appropriate NPDES Discharge Permit. The water shall be disposed in accordance with all applicable federal, state, and local rules and regulations.

4.5 Excavation Soil Handling and Stockpiling

Soil may be stockpiled for future disposal or reuse, or it may be live-loaded onto trucks for immediate off-Site disposal. Excavated Site soils may be placed back in the excavation or used elsewhere on-Site, provided all potential contaminants are below IDEM Commercial/Industrial Direct Contact Screening Levels or a beneficial reuse determination has been obtained from IDEM that applies to the soils in question. A beneficial reuse determination is not required for excavated **Level 4 Soil**. Any debris (e.g. scrap metal, trash, rail road ties, etc.) identified during excavation shall be characterized and properly disposed of at a permitted, off-Site disposal facility. Soils removed from the Site shall be properly characterized for reuse or disposal based on the previously described Soil Level classifications.

4.5.1 Soil Segregation/Stockpile Management

When applicable, soil segregation and stockpiling shall be conducted in a manner that is protective of worker safety and documented accordingly. For **Level 1 Soil**, soil stockpiles shall be placed on top of heavy-duty plastic sheeting and, wherever possible, positioned atop an impermeable surface (i.e. improved asphalt or concrete surfaces, plastic liner of appropriate thickness, etc.). If possible, soil

stockpiles should be placed away from the site drainage patterns or lines, roadsides or culverts and covered with material adequate to prevent soil transport by wind or rainwater runoff (berm). Covers should be maintained in good condition. When not covered, soil stockpile surfaces should be kept visibly moist by water spray, as necessary.

If soils will be reused on-Site, then stockpiles shall be segregated based on the presence of potential contaminants. Soils with constituent concentrations below IDEM Commercial/Industrial Direct Contact Screening Levels shall be considered acceptable for on-Site reuse. Soil stockpiles intended for on-Site reuse shall be maintained away from soil stockpiles that are classified as **Level 1 Soil, Level 2 Soil, or Level 3 Soil**, such that there is no chance for corruption of the stockpile(s) designated for reuse.

4.5.2 On-Site Transportation

Impacted materials transported within Site boundaries shall be handled so as to minimize exposure to workers. Haulers shall hold and present, upon request, a current valid Commercial Driver's License. Equipment and vehicles used to move excavated **Level 1 Soil** and **Level 2 Soil** shall be dedicated to moving impacted soils for the duration of the project or appropriately decontaminated prior to being loaded with clean soils. Waste tracking manifests will not be required for transportation of soils within the Site; however, the contractor shall document and maintain records of work conducted including the final on-Site locations of reused soils.

4.5.3 Off-Site Removal/Waste Manifests

Level 1 Soil and **Level 2 Soil** shall be either directly loaded into awaiting transport trucks or placed in secure roll-off boxes pending off-Site disposal at a permitted Subtitle C or D solid waste landfill. Soil removed from the Site shall be transported and disposed in accordance with applicable federal, state, and local rules and regulations. The transportation contractor will be responsible for keeping the wheels and exterior portions of the trucks free of excess dirt and debris while on public roadways. If excess dirt or debris is deposited on roadways as a direct result of contractor activities, then the contractor shall clean the affected areas immediately. Waste manifests are generally only required for classified hazardous wastes; however, any soil excavated from the Site and transported off-Site for disposal should be manifested so that any given truckload can be tracked from the point of waste generation to the disposal site.

4.5.4 Waste Minimization

To the extent practical, measures shall be taken to minimize the volume of excavated soils, to limit the need for dewatering activities, and to prevent exposure between storm water and impacted soils. Construction activities requiring

subsurface excavation should be completed and backfilled promptly to minimize exposure. The size or length of excavations shall be controlled to allow for proper completion of immediately pending activities.

4.5.5 Final Restoration

Contractors shall cap all exposed soils impacted above IDEM Commercial/Industrial Direct Contact Screening Levels per IDEM guidance or other approved cover during final restoration efforts. Exposed soils with potential contaminant concentrations below the IDEM Commercial/Industrial Direct Contact Screening Level (**Level 4 Soil**) will not require capping.

4.6 Contingency Plan for Newly Encountered Impacts

Excavation, digging or other soil disturbing activities should immediately cease upon the discovery of unexpected impacted soil or other material in an area not previously identified as **Level 1 Soil** (e.g. oil and/or tar) or impacted features (e.g. underground sumps, underground tanks, underground drain lines suspected of containing impacts, laboratory waste). If suspected impacted soils or groundwater or hazardous materials are discovered during the excavation work, the designated representative (Site construction supervisor) shall be notified and steps will be taken to avoid spreading of impacts into the surrounding environment. In the event that suspected impacts are identified, the following actions shall be taken:

- All excavation activity in vicinity of the area where the suspect material has been encountered shall stop immediately;
- The Site supervisor shall be immediately notified;
- The area shall be cordoned off as much as practicable with a suitable barrier;
- Work shall not resume in the vicinity of the area unless authorized by the project management team; and
- Soils shall be managed in accordance with the **Level 1 Soil** worker safety and soil disposal requirements per the SMP Process Diagram.

4.7 Imported Soil Verification

All imported soil material shall meet analytical specifications for the proposed use. Details of the material supplier, imported soil source, and total quantity of imported soil material should be documented for each distinct supplier and source of imported soil. If appropriate, samples of the imported soil should be collected for laboratory analysis to determine the suitability and cleanliness of the soil.

5.0 ASSUMPTIONS

This SMP has been developed assuming future redevelopment of the Site for reuse that is restricted to commercial/industrial and excavation worker exposure scenarios. The plan assumes that soils encountered during construction are similar in nature and potential contaminant content to soils already encountered during the exhaustive environmental investigations that have occurred on Site. Discovery of substantial new sources of impacts on Site may require revisions to this SMP.

ATTACHMENT A

Contractor Disclosure Statement

CONTRACTOR DISCLOSURE STATEMENT

**Prospect Facility
2950 East Prospect Street
Indianapolis, IN
July 2017**

_____ (contractor or contractor representative) herby confirm that I have read, understand, and will conduct site work in accordance with the "Soil Management Plan" recorded as part of the ERC on the Deed to the property located at 2950 East Prospect Street, Indianapolis, IN.

Authorized Signature

Date

Name and Title (please type or print)

ATTACHMENT B

Soil Boring and Monitoring Well Location Figure

ATTACHMENT C
Lithological Boring Logs



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640917.311	UTM Easting*: 201992.92
Boring Location: NA	Surface Elevation*: 753.363

BBSB-1

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	TOPSOIL	Some grass					
1	SILTY CLAY	(Fill) brown, medium plasticity, medium stiff, damp, trace gravel (8%)	40	0.5/ 0.5		Soil sample (4-6') collected at 9:20 and submitted for laboratory analysis	
2							
3							
4	SILTY CLAY		80	1.2/ 1.0			
5							
6	SILTY CLAY		80	2.0/ 1.0			
7							
7	CLAYEY SAND	3" crushed coal @ 6.5'		0.5/ 0.4			
8							
8	CLAYEY SAND	Brown, medium grained, medium dense, damp, trace gravel	75	0.6/ 0.4			
9							
10							
11	GRAVELLY SAND	Light brown, medium grained, loose, moist	50	0.6/ 0.4			
12							
13							
14	GRAVELLY SAND		50	0.6/ 0.4			
15							
16	GRAVELLY SAND		50	1.0/ 0.6		Evidence of oxidation (16-18')	
17							
18	GRAVELLY SAND		50	1.4/ 3.0		Groundwater at 18'	
19							
20	GRAVELLY SAND	Saturated @ 18'		1.6/ 4.2			



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640917.311	UTM Easting*: 201992.92
Boring Location: NA	Surface Elevation*: 753.363

BBSB-1

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		50	1.5/ 1.0		
21				1.6/ 1.3		
22			50	1.4/ 0.6		
23				1.0/ 1.0		
24			50	0.8/ 1.0		
25	1.0/ 1.2					
26	SILTY CLAY	Gray, low plasticity, hard, damp, trace gravel (4%)			Soil sample (31-32') collected at 9:30 and submitted for laboratory analysis	
27						
28						
29						
30						
31						
32						End of boring at 32'



Project Number: JM1710.320	Date Drilled: 5/6/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640939.921	UTM Easting*: 202238.79
Boring Location: NA	Surface Elevation*: 752.091

BBSB-2

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	TOPSOIL	Some grass				
1	SANDY GRAVEL	(Fill)		1.4/ 2.8		
2	SILTY CLAY	Dark brown, low plasticity, medium stiff, damp	80	2.0/ 1.6		
3		Brown	70	2.1/ 4.8		Soil sample (4-6') collected at 9:40 and submitted for laboratory analysis, MS/MSD
4	CLAYEY SAND	Brown, medium grained, loose, moist		0.8/ 3.1		
5		Saturated 8-9'		2.8/ 1.6		Groundwater at 8'
6	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)	100	2.8/ 2.2		
7			100	1.2/ 1.3		
8			100	2.1/ 0.8		
9			100	1.6/ 1.6		
10	SILTY CLAY		100	1.9/ 0.6		
11						
12						
13						
14						
15						
16						
17						
18						
19		Dry				Soil sample (18-20') collected at 9:45 and submitted for laboratory analysis
20						End of boring at 20'



Project Number: JM1710.320	Date Drilled: 5/6/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1640973.673	UTM Easting*: 202342.11
Boring Location: NA	Surface Elevation*: 753.13

BBSB-3

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	TOPSOIL	Some grass				
1	STONE	(Fill) crushed		10.2/ 2.2		
2	SILTY CLAY	Brown, low-plasticity, medium stiff, damp, little gravel (10%)	95	14/ 31		
3						
4						Soil sample (4-6') collected at 11:10 and submitted for laboratory analysis
5				46/ 82		
6		Soft, moist	75			
7	CLAYEY SAND	Brown, medium coarse grained, loose, well graded, saturated		60/ 85		Groundwater at 7'
8						
9	SILTY CLAY	Brownish-gray, low plasticity, stiff, damp		80/ 92		Groundwater sample collected at 11:40 and submitted for laboratory analysis
10			100			
11	SAND	Brown, dry Gray, low plasticity, stiff, dry, trace gravel (5%)		22/ 27		
12	SILTY CLAY					
13				21/ 18		
14				100		
15				0.2/ 1.8		
16						Soil sample (16-18') collected at 11:20 and submitted for laboratory analysis
17				0.3/ 1.9		
18			100			
19				0.3/ 1.9		
20						End of boring at 20'



Project Number: JM1710.320	Date Drilled: 5/6/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641003.838	UTM Easting*: 202545.04
Boring Location: NA	Surface Elevation*: 750.637

BBSB-4

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	CONCRETE	(Fill) with crushed stone				
1	SILTY CLAY	Dark gray, low plasticity, soft, moist	75	31/ 85	[Sample Interval]	Odor from 1-2'
2		Brown, medium stiff		35/ 105		Soil sample (2-4') collected at 13:35 and submitted for laboratory analysis
3	SANDY CLAY	Brown, medium plasticity, soft, wet	60	21/ 37	[Sample Interval]	Saturated at 7'
4						
5	CLAYEY SAND	Brown, medium/coarse grained, loose, soft, well graded, wet	90	23/ 19	[Sample Interval]	Groundwater sample collected at 14:00 and submitted for laboratory analysis
6		Saturated @ 7'				
7	SAND	Brown, medium/coarse grained, loose, well graded, saturated	90	9.1/ 8.3	[Sample Interval]	
8						
9	SANDY CLAY	Brown, low plasticity, stiff, moist, little gravel (10%)	100	8.9/ 4.7	[Sample Interval]	
10						
11	SAND	Brown, medium grained, dense, poorly graded, saturated	100	5.7/ 1.5	[Sample Interval]	
12						
13	SILT	Gray, non-plastic, stiff, moist	100	4.6/ 0.8	[Sample Interval]	
14						
15	SAND SILT	Gray, coarse, wet	100	4.6/ 0.8	[Sample Interval]	
16		Gray, non-plastic, stiff, moist				
17	SILT	Gray, low plasticity, stiff, damp, trace gravel (5%)	100	4.6/ 0.8	[Sample Interval]	
18						
19	SILTY CLAY		100	4.6/ 0.8	[Sample Interval]	Soil sample (18-20') collected at 13:45 and submitted for laboratory analysis
20						



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641081.427	UTM Easting*: 202488.43
Boring Location: NA	Surface Elevation*: 749.937

BBSB-5

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Brown, medium plasticity, soft, moist				
1	SILTY CLAY		50	4.0/ 0.6		
2						
3				5.2/ 1.0		
4	CLAYEY SAND	Gray, medium grained, loose, well graded, moist, little gravel (10%)	20	6.8/ 2.5		
5						
6						
7				7.0/ 3.0		Soil sample (6-8') collected at 10:40 and submitted for laboratory analysis, BBSBD-2
8		Saturated @ 8'				Black staining, odor 7.5-8'
9	SILTY CLAY	Gray, low plasticity, medium stiff, damp, little gravel (10%)	80	12/ 20		
10						
11				8.0/ 15		
12	SAND	Gray, fine grained, loose, wet				
13	SILTY CLAY	Gray, low plasticity, medium stiff, damp, little gravel (10%)	80	10/ 20		
14						
15				7.0/ 4.5		
16	SAND	Gray, medium grained, loose, moist				
17	SILTY CLAY	Gray, low plasticity, medium stiff, damp, little gravel (10%)	80	8.0/ 2.1		
18						
19				8.0/ 1.0		
20						End of boring at 20'



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-6	
UTM Northing*: 1641160.252	UTM Easting*: 201555.77
Boring Location: NA	Surface Elevation*: 745.554

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Gravel 3", asphalt 4", crushed stone 5"				
1	CLAY	(Fill) gravel, damp	40	6.0/ 0.2		
2						
3	CLAY		75	5.0/ 0.5		
4						
5	SAND	(Fill) some coal (Fill) gravel, damp	75	10/ 0.7		
6	CLAY					
7				22/ 3.0		
8	SAND	Brown, fine grained, loose, poorly graded, moist	75	13/ 2.6		Soil sample (10-12') collected at 12:10 and submitted for laboratory analysis, BBSBD-3 Black staining, odor 11-16'
9						
10				36/ 320		
11	SANDY GRAVEL	Black, loose, well graded, saturated	50	9.0/ 22		Groundwater at 12'
12						
13				2.5/ 7.0		
14	SILTY CLAY	Gray, low plasticity, stiff, dry, little gravel (10%)	100	2.5/ 4.0		Soil sample (18-20') collected at 12:20 and submitted for laboratory analysis, MS/MSD
15						
16				1.0/ 3.0		
17						End of boring at 20'
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641159.476	UTM Easting*: 201755.97
Boring Location: NA	Surface Elevation*: 746.266

BBSB-7

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Some crushed stone				
1	ASPHALT			32/ 0.7		
2		Black, with coke	75			
3	SAND			190/ 1.9		
4		White				Soil sample (4-6') collected at 10:05 and submitted for laboratory analysis Odor 4.5-6'
5	CLAY	Black, with coke	65	63/ 2.1		
6		Brown, low plasticity, soft, moist				Soil sample (6-8') collected at 9:45 and submitted for laboratory analysis
7	SANDY CLAY		65	55/ 4.2		
8						
9				44/ 3.8		
10		Brown, coarse grained, dense, poorly graded, rounded pebbles, wet	50			
11	CLAYEY GRAVEL			25/ 2.1		
12		Brown, coarse grained, loose, poorly graded, angular, saturated				Groundwater at 12'
13	SAND		50	17/ 0.8		
14						
15				40/ 2.2		
16	SAND					
17				67/ 1.2		
18		Medium to coarse grained	75			
19				33/ 1.3		
20						



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641159.476	UTM Easting*: 201755.97
Boring Location: NA	Surface Elevation*: 746.266

BBSB-7

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	12/ 0.7		Soil sample (22-24') collected at 9:55 and submitted for laboratory analysis
21		Gray, low plasticity, stiff, damp, trace gravel (5%)		7.2/ 0.7		
22	SILTY CLAY					End of boring at 24'
23						
24						



Project Number: JM1710.320	Date Drilled: 5/6/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641154.99	UTM Easting*: 201993.21
Boring Location: NA	Surface Elevation*: 750.874

BBSB-8

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone				No odor
1	FILL MATERIAL	Coke fragments		61/ .5		
2	SILTY CLAY	Brown, low plasticity, stiff, damp	100			
3	SAND	Fine, damp		34/ 0.1		
4	SILTY CLAY	Brown, low plasticity, stiff, damp	100	56/ 2.1	█	Soil sample (4-6') collected at 15:45 and submitted for laboratory analysis, BBSBD-1
5		Soft, moist				
6		Some sand and gravel				
7	GRAVELLY SAND	Brown, dense, well graded, damp	100	26/ 0.2		
8		Increase gravel				
9	SAND	Brown, medium grained, loose, poorly graded	100	21/ 0.6		
10						
11	GRAVELLY SAND	Brown, loose, well graded, damp	100	27/ 1.2		
12						
13	SANDY GRAVEL	Brown, loose, rounded and angular fragments, saturated	90	31/ 0.8		Groundwater at 14.5'
14						
15	GRAVELLY SAND	Brown, coarse grained, loose, coarse grained, well graded, saturated	90	35/ 1.0		
16						
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/6/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641154.99	UTM Easting*: 201993.21
Boring Location: NA	Surface Elevation*: 750.874

BBSB-8

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	13/ 4.2		Soil sample (22-24') collected at 15:55 and submitted for laboratory analysis
21						
22	SAND	Gray, coarse grained, loose, poorly graded, sub angular fragments, saturated	100	15/ 1.5		End of boring at 24'
23						
24						



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641152.326	UTM Easting*: 202102.63
Boring Location: NA	Surface Elevation*: 750.403

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone				
1	FILL MATERIAL	Some coke fragments, damp	50	1.0/ 2.0		
2				0.5/ 0.5		
3	SILTY CLAY	Dark gray, medium plasticity, medium stiff, damp, little gravel (10%)		0.5/ 1.0		
4				0.5/ 1.0		
5	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, damp	50	0.2/ 1.0		Evidence of oxidation 7-16'
6				0.3/ 1.0		
7				1.0/ 2.0		
8				1.5/ 2.5		Soil sample (12-14') collected at 14:15 and submitted for laboratory analysis
9				1.0/ 1.5		Groundwater at 15'
10				1.0/ 1.0		Reddish-brown 16-28'
11				50		
12				1.0/ 1.0		
13				50		
14				50		



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641152.326	UTM Easting*: 202102.63
Boring Location: NA	Surface Elevation*: 750.403

BBSB-9

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY GRAVEL	Reddish-brown, coarse grained, loose, well graded, saturated	50	0.5/ 0.5	█	Soil sample (24-28') collected at 14:25 and submitted for laboratory analysis, composite
21				0.5/ 1.0		
22			50	0.5/ 1.0		
23				0.5/ 1.0		
24	SAND	Dark brown, fine grained, poorly graded, saturated	50	NA/ NA	█	Soil sample (33-35') collected at 16:15 and submitted for laboratory analysis, 5-21-13
25				NA/ NA		
26	SILTY CLAY	Reddish-brown, medium plasticity, medium stiff, damp	100	NA/ NA		
27				NA/ NA		
28	SAND	Dark brown, fine grained, poorly graded, saturated	50	NA/ NA	█	Soil sample (33-35') collected at 16:15 and submitted for laboratory analysis, 5-21-13
29				NA/ NA		
30	SILTY CLAY	Reddish-brown, medium plasticity, medium stiff, damp	100	NA/ NA		
31				NA/ NA		
32	SAND	Dark brown, fine grained, poorly graded, saturated	50	NA/ NA	█	Soil sample (33-35') collected at 16:15 and submitted for laboratory analysis, 5-21-13
33				NA/ NA		
34	SILTY CLAY	Gray, low plasticity, very stiff, dry	100	NA/ NA		
35				NA/ NA		



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641177.8	UTM Easting*: 202749.04
Boring Location: NA	Surface Elevation*: 752.760

BBSB-10

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone	50	1.0/ 42		
1		(Fill) some sand, gravel, and coke		1.0/ 33		
2	CLAY		100	0.5/ 0.5		
3				0.5/ 0.2		
4	SANDY CLAY	Brown, medium plasticity, medium stiff, moist, trace gravel (5%)	75	1.0/ 0.5		Soil sample (8-10') collected at 16:00 and submitted for laboratory analysis
5				0.5/ 0.5		
6	SAND	Soft	100	0.3/ 0.2		Evidence of oxidation 10-12'
7				0.2/ 0.2		
8	SAND	Brown, fine grained, loose, well graded, moist, trace gravel (5%)	100	0.2/ 0.2		Groundwater at 11'
9		Saturated		0.2/ 0.2		
10	SANDY CLAY		100	0.2/ 0.2		
11				0.2/ 0.2		
12	SANDY CLAY		100	0.4/ 0.6		Soil sample (18-20') collected at 16:10 and submitted for laboratory analysis
13				0.4/ 0.6		
14	SANDY CLAY		100	0.4/ 0.6		End of boring at 20'
15				0.4/ 0.6		
16	SANDY CLAY		100	0.4/ 0.6		
17				0.4/ 0.6		
18	SANDY CLAY		100	0.4/ 0.6		
19				0.4/ 0.6		
20	SANDY CLAY		100	0.4/ 0.6		
21				0.4/ 0.6		



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641261.967	UTM Easting*: 201709.26
Boring Location: NA	Surface Elevation*: 744.894

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone				
1	FILL MATERIAL	Some coke, dry	50	5.0/ 0.5		
2						
3				36/ 1.0		
4						
5			20	53/ 1.0		
6				60/ 1.0		Soil sample (6-8') collected at 9:15 and submitted for laboratory analysis
7						
8	CLAYEY GRAVEL	(Fill) loose, saturated, trace sand and coke	20			Groundwater at 8'
9				66/ 1.5		
10						Rubber tire pieces at 10'
11				73/ 8.5		
12	GRAVELLY SAND	Dark gray, medium grained, loose, saturated	50			Brick at 12'
13				86/ 6.0		Odor 8-18'
14						
15				74/ 7.0		
16		Increase in rounded gravel				
17				77/ 13		
18	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)	50			Sheen in gravel above clay
19				56/ 18		
20						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-11	UTM Northing*: 1641261.967
	UTM Easting*: 201709.26
	Boring Location: NA
	Surface Elevation*: 744.894

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
20	SILTY CLAY		100	27/ 5		Decrease in moisture content with depth	
21							
22							Soil sample (24-24') collected at 9:25 and submitted for laboratory analysis
23				16/ 7			
24						End of boring at 24'	



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641405.021	UTM Easting*: 201744.32
Boring Location: NA	Surface Elevation*: 746.393

BBSB-12

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	(Fill) black, coarse grained, coke fragments		41/ 6.7		
1	SAND		75	27/ 8.5		
2						
3	SANDY CLAY	(Fill) some sandy clay, dark brown, medium stiff, damp, coke and brick fragments	75	26/ 5.5		
4						
5						
6	CLAYEY SAND	Dark brown, medium grained, loose, saturated, some gravel	80	23/ 8.0		Groundwater at 8'
7				25/ 5.9		
8	SILTY CLAY	Gray, low plasticity, soft, moist, trace gravel		26/ 12		Groundwater at 12.5'
9						
10	GRAVELLY SAND	Gray, medium/coarse grained, loose, well graded, saturated	50	27/ 13		Visible sheen 12.5-19'
11						
12				28/ 21		Odor 12.5-20'
13				28/ 28		



	Project Number: JM1710.320	Date Drilled: 5/7/2013
	Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
	Project Name: B&B Investigation	Driller: Ark
	Drilling Method: Geoprobe	Driller License: NA
BBSB-12	Site Address: Indianapolis, IN	GW Sample Method: NA
	UTM Northing*: 1641405.021	UTM Easting*: 201744.32
	Boring Location: NA	Surface Elevation*: 746.393

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	 SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel (5%)	100	8.6/ 5.1		Soil sample (22-24') collected at 12:10 and submitted for laboratory analysis End of boring at 24'
21						
22						
23						
24						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641369.767	UTM Easting*: 201987.28
Boring Location: NA	Surface Elevation*: 746.358

BBSB-13

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Coke and gravel, damp	50	10/ 1.0		
1						
2	SILTY CLAY	Gray, low plasticity, medium stiff, damp, little sand (10%)	75	11/ 2.0		
3						
4	SANDY CLAY	Gray, low plasticity, medium stiff, damp	50	13/ 1.0		
5						
6		Brown		7.0/ 1.0		
7						
8	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, moist	50	17/ 1.0		Evidence of oxidation 11-16'
9						
10						
11						
12			50	21/ 2.0		Soil sample (12-14') collected at 10:10 and submitted for laboratory analysis
13			75	13/ 5.0		Black staining, slight odor 16-21'
14						
15		Saturated	75	9.0/ 2.0		
16						
17						
18			75	13/ 4.0		
19						
20						



Project Number: JM1710.320	Date Drilled: 5/9/2013
	Client Name: Citizens Energy Group
	Project Name: B&B Investigation
	Drilling Method: Geoprobe
Site Address: Indianapolis, IN	Personnel: M.Oslos-Ark
BBSB-13	Driller: EFS - Zach
	Driller License: NA
	GW Sample Method: NA
UTM Northing*: 1641369.767	UTM Easting*: 201987.28
Boring Location: NA	Surface Elevation*: 746.358

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Decrease in gravel	100	12/ 3.0		
21		Gray, low plasticity, stiff, damp, trace gravel				
22	SILTY CLAY			12/ 2.0		Soil sample (22-24') collected at 10:20 and submitted for laboratory analysis
23						
24						End of boring at 24'



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641377.961	UTM Easting*: 202269.53
Boring Location: NA	Surface Elevation*: 749.852

BBSB-14

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	FILL MATERIAL	Coke, damp	50	0.5/ 0.5	[Redacted]	Soil sample (3-5') collected at 11:35 and submitted for laboratory analysis	
1							
2	SILTY CLAY	Reddish-brown, medium plasticity, soft, moist, trace of sand and gravel	50	0.3/ 0.2	[Redacted]	Groundwater at 8'	
3							
4							
5	GRAVELLY SAND	Grayish-brown, medium grained, loose, well graded, moist	50	0.4/ 0.2	[Redacted]	Groundwater at 8'	
6							
7							
8		Saturated					
9							
10							
11							
12	SANDY CLAY	Gray, low plasticity, soft, moist, trace gravel (3%)	50	0.3/ 0.2	[Redacted]	Soil sample (18-20') collected at 11:45 and submitted for laboratory analysis	
13							
14							
15							
16							
17							
18			100	0.4/ 0.2			
19				0.4/ 0.2			
20						End of boring at 20'	



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641377.486	UTM Easting*: 202368.26
Boring Location: NA	Surface Elevation*: 750.456

BBSB-15

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, crushed coal and coke, dry	80	72/ 12		Fragments of brick and rock
1						
2	SAND	Light brown, fine/medium grained, loose, well graded, damp, little gravel (10%)	90	42/ 5.9	█	Soil sample (4-6') collected at 14:15 and submitted for laboratory analysis
3						
4		Saturated	38/ 10	Groundwater at 7'		
5	GRAVELLY SAND	Brown, medium/coarse grained, loose, well graded, saturated	100	56/ 11		
6						
7						
8		Increase in gravel		24/ 7.0		
9	CLAYEY SILT	Light brown, non-plastic, medium stiff, wet	100	60/ 9.5		
10						
11				25/ 13		
12	SILTY CLAY	Gray, low plasticity, medium stiff, moist	100	40/ 13		
13						
14				43/ 12		
15				18/ 4.9	█	Soil sample (18-20') collected at 14:25 and submitted for laboratory analysis
16		Soft, very moist				End of boring at 20'
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641396.5	UTM Easting*: 202492.26
Boring Location: NA	Surface Elevation*: 752.294

BBSB-16

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some coke		46/ 8.1		No odor
1						
2	GRAVELLY SAND	Brown, fine - medium grained, loose, well graded, damp	90	35/ 10.1		
3						
4	SANDY CLAY	Reddish-brown, low plasticity, soft, moist				
5	GRAVELLY SAND	Brown, fine - medium grained, loose, well graded, damp	80	40/ 7.0		
6						Soil sample (6-8') collected at 16:30 and submitted for laboratory analysis
7				48/ 8.0		
8						Groundwater at 8'
9	SAND	Brown, fine grained, dense, poorly graded, saturated		24/ 3.8		
10						
11	SILT	Brown, dense, saturated	100	42/ 10.8		
12						
13	GRAVELLY SAND	Brown, fine/medium grained, loose, well graded, saturated		38/ 11.6		
14						
15			100	26/ 7.8		
16						
17				29/ 17		
18	SAND	Brown, very fine grained, dense, poorly graded, saturated	100			
19		Gray, coarse grained, loose, well graded, saturated, little gravel (10%)		27/ 9.5		
20						



Project Number: JM1710.320	Date Drilled: 5/7/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641396.5	UTM Easting*: 202492.26
Boring Location: NA	Surface Elevation*: 752.294

BBSB-16

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Gray, fine grained, dense, poorly graded, saturated, 2" of stiff clay	100	43/ 8.8		
21						
22	CLAY	Gray	100	27/ 7.9		
23	CLAYEY SAND	Gray, medium grained, loose, poorly graded, saturated				
24	SAND	Gray, coarse grained, loose, well graded, saturated	100	14/ 6.0		
25	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated				
26		Soil sample (26-28') collected at 16:45 and submitted for laboratory analysis				
27			9.9/ 6.0			
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-17	UTM Northing*: 1641369.532
	UTM Easting*: 202723.49
Boring Location: NA	Surface Elevation*: 754.290

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		(Fill) black, some coal, coke, and gravel				No odor, glass fragments
1	SAND		90	3.5/ 2.5		
2						
3	SANDY CLAY	Brown, low plasticity, medium stiff, moist	90	1.2/ 18		Soil sample (6-8') collected at 9:40 and submitted for laboratory analysis
4						
5		Soft, wet		4.5/ 3.8		
6		Low plasticity, medium stiff, moist		8.6/ 5.5		
7						
8	GRAVELLY SAND	Brown, medium/coarse grained, loose, well graded, saturated	100	7.2/ 6.8		Groundwater at 9.5'
9						
10						
11				7.7/ 8.2		
12	SILTY CLAY	Low plasticity, stiff, moist, little gravel (10%)		7.3/ 9.9		
13	SANDY CLAY	Brown, low plasticity, soft, moist	100	11.3/ 9.6		
14		Brown, low plasticity, stiff, moist, little gravel (10%)				
15		Gray, damp				
16	SILTY CLAY			1.3/ 3.3		Soil sample (16-18') collected at 9:45 and submitted for laboratory analysis
17						
18	SILT	Gray, stiff, wet	100	1.2/ 3.4		
19	GRAVELLY SAND					
20		Gray, coarse grained, loose, well graded, saturated				End of boring at 20'



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641504.044	UTM Easting*: 201821.75
Boring Location: NA	Surface Elevation*: 749.210

BBSB-18

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	FILL MATERIAL	Black, some coal, coke, sand, and gravel, damp	100	330/ 2.1	Soil sample (4-6') collected at 11:25 and submitted for laboratory analysis		
1		Some clay, brown, low plasticity, medium stiff, damp		1,100/ 3.9			
2		100	Black, some coal, coke, sand, and gravel, damp	1,580/ 4.2			
3			Some black clay	270/ 3.7			
4		80	Red brick fragments	88/ 3.2			
5			Brown, some clay, soft	397/ 3.0			
6			Red brick fragments, wood pieces, saturated	480/ 4.6			
7			Brown, medium grained, dense, poorly sorted, saturated	60			145/ 3.5
8			Dark gray	75			47/ 1.5
9		Coarse grained, loose, well sorted, saturated	214/ 14.5				
10	SAND		60	145/ 3.5	Odor (mainly in groundwater), groundwater sample (screened from 15-22.5') collected and submitted for laboratory analysis		
11		Red brick fragments					
12	SANDY GRAVEL		75	214/ 14.5			
13		Red brick fragments, wood pieces, saturated					
14	SAND		60	145/ 3.5			
15		Brown, medium grained, dense, poorly sorted, saturated					
16	SANDY GRAVEL		75	214/ 14.5			
17		Coarse grained, loose, well sorted, saturated					
18	SANDY GRAVEL		75	214/ 14.5			
19		Coarse grained, loose, well sorted, saturated					
20	SANDY GRAVEL		75	214/ 14.5			
		Coarse grained, loose, well sorted, saturated					



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641504.044	UTM Easting*: 201821.75
Boring Location: NA	Surface Elevation*: 749.210

BBSB-18

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY GRAVEL		100	225/ 20		Soil sample (22.5-24') collected at 11:35 and submitted for laboratory analysis End of boring at 24'
21				19/ 8.6		
22	SILTY CLAY	Gray, stiff, low plasticity, dry				
23						
24						



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
BBSB-19	UTM Northing*: 1641509.757
	UTM Easting*: 202037.84
	Boring Location: NA
	Surface Elevation*: 753.273

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments			
0	CLAY	Black, some coal, coke, and gravel	75	39/ 1.1	█	Refusal at 13' on first attempt			
1				41/ 1.7		Concrete fragments			
2						60	150/ 6.5		
3			110/ 5.7						
4				60			215/ 5.3	Soil sample (8-10') collected at 15:50 and submitted for laboratory analysis	
5			104/ 3.1						
6				50		23/ 2.9	Soil sample (14-16') collected at 15:55 and submitted for laboratory analysis		
7			26/ 3.5						
8				75		26/ 3.9			
9			28/ 2.4						
10				CLAYEY SAND		Brownish-gray, fine grained, dense, poorly graded, moist	50	23/ 2.9	█
11			SILTY SAND						
12				SANDY GRAVEL		Light brown, coarse grained, medium dense, well graded, saturated	75	26/ 3.9	█
13	28/ 2.4								
14		75	28/ 2.4						
15	75			28/ 2.4					
16		75	28/ 2.4						
17	75			28/ 2.4					
18		75	28/ 2.4						
19	75			28/ 2.4					
20		75	28/ 2.4						



Project Number: JM1710.320	Date Drilled: 5/8/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641509.757	UTM Easting*: 202037.84
Boring Location: NA	Surface Elevation*: 753.273

BBSB-19

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY GRAVEL		50	22/ 3.8		
21				16/ 4.9		
22	SILTY CLAY	Gray, low plasticity, stiff, dry, little gravel (10%)	40	48/ 2.3		Silty clay stained black
23				51/ 4.6		
24	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	100	370/ 1,690		~5" of coal tar in sandy gravel matrix at 29.5'; on top of clay
25				17/ 9.6		
26	SANDY GRAVEL	Dark gray, fine grained, loose, poorly graded, saturated	40	48/ 2.3		
27				51/ 4.6		
28	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	40	370/ 1,690		Soil sample (30-32') collected at 16:00 and submitted for laboratory analysis
29				17/ 9.6		
30	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	40	48/ 2.3		Groundwater sample (screened from 25-30') collected at 16:20 and submitted for laboratory analysis
31				51/ 4.6		
32	SANDY GRAVEL		100	17/ 9.6		End of boring at 32'



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641511.097	UTM Easting*: 202141.22
Boring Location: NA	Surface Elevation*: 753.631

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Coke, damp	75	18/ 1.2		2" white porous rock
1		(Fill) brown & black, medium plasticity, medium stiff, moist, trace of coke fragments		23/ 2.0		
2	SILTY CLAY	Weak, soft	75	30/ 9.0		Soil sample (12-14') collected at 10:00 and submitted for laboratory analysis, BBSBD-10
3		Gray, no coke fragments below 5'		12/ 6.0		
4				19/ 7.5		
5				75		
6				27/ 18		
7				52/ 28		
8				28/ 13		
9				16/ 14		
10				75		
11				22/ 18		
12	CLAYEY SAND	Brown, medium grained, medium dense, well graded, moist, trace gravel 10%	75	16/ 14		Groundwater at 17'
13	GRAVELLY SAND	Brown, coarse grained, medium dense, well graded, saturated		22/ 18		



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641511.097	UTM Easting*: 202141.22
Boring Location: NA	Surface Elevation*: 753.631

BBSB-20

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Some fine sand, little gravel	100	14/ 3.0		Sheen and moderate odor 26-28', 4" reddish-brown product on top of clay
21				22/ 5.0		
22		Increase in rounded gravel		85/ 200		
23				110/ 250		
24	SILTY CLAY	Dark gray	100	16/ 9.0	Soil sample (30-32') collected at 10:15 and submitted for laboratory analysis	
25		Gray, low plasticity, stiff, damp, trace gravel (5%)		13/ 8.0		
26						
27						
28						End of boring at 32'
29						
30						
31						
32						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641512.462	UTM Easting*: 202238.78
Boring Location: NA	Surface Elevation*: 753.709

BBSB-21

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SILTY CLAY	Brown, layers of coke and gravel	60	16/ 0.5		
1				22/ 1.0		
2			60	32/ 1.6		
3		Brown, medium plasticity, medium stiff, damp		33/ 1.8		
4	SANDY CLAY	Brown, medium plasticity, soft, moist, trace gravel	60	45/ 0.9	Soil sample (10-12') collected at 10:45 and submitted for laboratory analysis	
5				70/ 1.0		
6			75	107/ 0.4		
7		Brown, medium grained, medium dense, poorly graded, saturated, trace gravel		66/ 53		
8	SAND	Dark gray	75	100/ 105	Odor at 14.5-24' Intermittent yellow product in sand 15-16'	
9				120/ 140		
10		Very little gravel	75			
11						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-21	UTM Northing*: 1641512.462
	UTM Easting*: 202238.78
	Boring Location: NA
	Surface Elevation*: 753.709

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Gray, fine grained, dense, poorly graded, saturated	100	61/ 88		Moderate sheen 15-24'
21				70/ 115		Minor amount of intermittent reddish-brown product 23-24'
22	SILTY CLAY	Gray, low plasticity, stiff, moist	100	26/ 19		
23				14/ 12		
24	GRAVELLY SAND	Dark gray, coarse grained, loose, well graded, saturated	100	57/ 290		Strong odor at 29-29.5' 3" of coal tar in matrix at 29.5' on top of clay Soil sample (30-32') collected at 11:00 and submitted for laboratory analysis
25				3.2/ 10.9		
26	SILTY CLAY	Gray, low plasticity, hard, dry, trace gravel	100			End of boring at 32'
27						
28						
29						
30						
31						
32						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641517.542	UTM Easting*: 202359.15
Boring Location: NA	Surface Elevation*: 754.031

BBSB-22

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, coal and coke	50	1.2/ 0.0		Concrete fragments
1				18/ 0.0		
2			40	27/ 0.0		
3				31/ 0.0		
4	SILTY CLAY	(Fill) brown, some coke fragments, soft, moist	90	40/ 0.9	Soil sample (10-12') collected at 16:40 and submitted for laboratory analysis	
5						
6	GRAVELLY SAND	Brown, medium to coarse grained, dense, well graded, moist	80	38/ 0.8		Groundwater at 12' Odor at 12-30'
7						
8	SAND	Gray, medium grained, dense, poorly graded, saturated	90	46/ 10.3	Yellow product 15-16'	
9						
10	GRAVELLY SAND	Dark gray, coarse grained, loose, well graded, saturated	90	96/ 1,240		Sheen in fine sand at 18.5'
11						
12	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	90	77/ 320		
13						
14	SAND	Gray, fine grained	90	35/ 82		
15		Gray, low plasticity, stiff, damp, trace gravel				
16	SILTY CLAY					
17						
18	SAND					
19						
20	SILTY CLAY					



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-22	UTM Northing*: 1641517.542
	UTM Easting*: 202359.15
Boring Location: NA	Surface Elevation*: 754.031

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
20	GRAVELLY SAND	Gray, medium/coarse grained, medium dense, well graded, moist	100	40/ 90			
21		SILTY CLAY					Gray, low plasticity, stiff, damp, trace gravel
22	SILT	Gray, dense, moist	100	45/ 400			
23							
24	GRAVELLY SAND	Gray, coarse, loose, well graded, saturated	100	33/ 220			
25							
26							
27				25/ 89			
28							
29				30/ 96			
30	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel	100	9.6/ 9.9		Soil sample (30-32') collected at 16:50 and submitted for laboratory analysis	
31		Brown					
32						End of boring at 32'	



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641509.004	UTM Easting*: 202539.46
Boring Location: NA	Surface Elevation*: 753.904

BBSB-23

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND AND GRAVEL	(Fill) some coke, damp	50	8.0/ 2.0		2" of white porous rock, odor in fill material
1				108/ 2.0		
2			58/ 2.0			
3			60/ 1.0			
4	SAND	Brown, medium grained, loose, poorly graded, wet	40	35/ 20		Soil sample (8-10') collected at 10:10 and submitted for laboratory analysis
5				40/ 20		
6	GRAVELLY SAND	Black, coarse grained, loose, well graded, saturated	25	90/ 21		Groundwater at 12'
7				110/ 87		
8				80/ 106		
9	SAND	Gray, fine grained, medium dense, poorly graded, saturated	75	95/ 400		Odor 18-22'
10						



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641509.004	UTM Easting*: 202539.46
Boring Location: NA	Surface Elevation*: 753.904

BBSB-23

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	44/ 523		
21						
22						
23						
24						
25				13/ 12		
26			100			
27	SILTY CLAY	Gray, low plasticity, stiff, damp, trace of sand and gravel		7.0/ 8.0		Soil sample (27-28') collected at 10:20 and submitted for laboratory analysis
28						
						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641499.863	UTM Easting*: 202641.39
Boring Location: NA	Surface Elevation*: 754.923

BBSB-24

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Coke, damp	50	2.0/ 1.0		Trace of brick at 2'
1						
2						
3				1.0/ 8.0		
4		Trace of light brown sand				
5				1.0/ 3.3		
6	CLAYEY SAND	Dark brown, medium grained, loose, well graded, moist, little gravel (10%)	20			
7				0.5/ 2.0		
8	SAND	Tan, medium grained, loose, poorly graded, moist, trace gravel (5%)	50			Soil sample (8-10') collected at 15:00 and submitted for laboratory analysis
9				1.5/ 2.0		
10						
11		Saturated		1.0/ 3.0		Groundwater at 11'
12	GRAVELLY SAND	Dark gray, coarse grained, loose, well graded, saturated	60			Trace of intermittent reddish-brown product, odor 13-15'
13				2.0/ 57		
14						
15				3.0/ 777		
16						
17				2.0/ 38		
18	SAND	Gray, fine grained, loose, poorly graded, saturated	80			
19				1.0/ 38		
20						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641499.863	UTM Easting*: 202641.39
Boring Location: NA	Surface Elevation*: 754.923

BBSB-24

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Medium grained	100	1.0/ 42		
21				1.0/ 18		
22			100	1.0/ 8.0		
23				1.0/ 8.0		
24						
25						
26						
27						
28						No deep sample End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641537.376	UTM Easting*: 202848.55
Boring Location: NA	Surface Elevation*: 754.621

BBSB-25

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Coke, damp	50	13/ 0.5		
1		4" of Gravel and crushed stone				
2	SANDY CLAY	Brown, medium plasticity, soft, moist, trace gravel (5%)	75	8.0/ 1.2		2" of red brick
3		Light brown				
4						
5						
6	SAND	Reddish brown, medium grained, loose, poorly graded, moist	50	18.5/ 4.6		Soil sample (10-12') collected at 16:20 and submitted for laboratory analysis Odor and oxidation in sand seam
7		Tan, fine, medium dense, poorly graded, wet				
8	SILTY CLAY	Brown, low plasticity, stiff, damp	75	22/ 3.0		
9						
10						
11	SILT	Gray, low plasticity, medium stiff, wet				
12	GRAVELLY SAND	Brown, coarse, loose, well graded, saturated				Saturated at 16'
13	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)	100	0.8/ 0.2		
14						
15						
16		Dry				
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/9/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641537.376	UTM Easting*: 202848.55
Boring Location: NA	Surface Elevation*: 754.621

BBSB-25

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY		100	1.2/ 0.4		Soil sample (22-24') collected at 16:30 and submitted for laboratory analysis
21				1.0/ 0.2		
22						End of boring at 24'
23						
24						



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
BBSB-26	UTM Northing*: 1641477.359
	UTM Easting*: 202917.48
Boring Location: NA	Surface Elevation*: 755.062

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	Crushed stone				Refusal at 5' on attempt #1
1		(Fill) brown, coarse, medium dense, well graded, damp	60	17/ 0.5		
2	SANDY GRAVEL				40/ 1.0	
3						
4						Odor at 5-15'
5	SANDY CLAY	Dark gray, medium plasticity, medium stiff, moist	70	51/ 14		
6						
7				365/ 710		
8						Soil sample (8-10') collected at 10:10 and submitted for laboratory analysis Black staining (9-10')
9				560/ 840		
10			100			Groundwater at 10'
11	SAND	Brown, fine grained, dense, poorly graded, saturated			595/ 1,030	
12	SILTY CLAY	Brown, medium plasticity, soft, wet				
13	SILT	Brown, fine grained, stiff, dense, wet				
14	SILTY CLAY	Gray, low plasticity, stiff, damp	100			
15					51/ 29	
16	SAND	Brown, fine grained, dense, poorly graded, saturated				
17				13/ 1.1		
18	SILT	Brown, fine, dense, saturated	100			
19	SAND	Gray, fine grained, dense, poorly graded, saturated			15/ 3.9	
20	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel				



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641477.359	UTM Easting*: 202917.48
Boring Location: NA	Surface Elevation*: 755.062

BBSB-26

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY		100	3.2/ 0.7		Groundwater sample (screened from 5-15') collected at 10:30 and submitted for laboratory analysis, MS/MSD
21						
22				2.9/ 0.1	█	Soil sample (22-24') collected at 10:20 and submitted for laboratory analysis
23						
24					End of boring at 24'	



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641644.161	UTM Easting*: 202128.08
Boring Location: NA	Surface Elevation*: 750.562

BBSB-27

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	CLAY	(Fill) some coke and gravel, moist	50	1.0/ 0.4		Brick fragments at 3.5'
1				2.0/ 41		
2			30	2.0/ 36		
3				2.0/ 28		
4			50	3.0/ 47		
5		4.0/ 64				
6	SANDY CLAY	Gray, high plasticity, soft, moist	60	7.0/ 139	Soil sample (12-14') collected at 9:40 and submitted for laboratory analysis	
7				9.0/ 139		
8	GRAVELLY SAND	Gray, medium dense, well graded, wet	50	8.0/ 51	Odor 11-24'	
9		Saturated		6.0/ 64		Groundwater at 15'
10	CLAY	Gray, medium stiff, moist	50			
11	GRAVELLY SAND	Gray, medium dense, well graded, saturated				



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641644.161	UTM Easting*: 202128.08
Boring Location: NA	Surface Elevation*: 750.562

BBSB-27

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		75	10/ 72		Odor, reddish-brown, DNAPL 25-26'
21				18/ 190		
22				60/ 68		
23	SILTY CLAY	Greenish-gray, low plasticity, stiff, damp	75	15/ 73	Soil sample (30-32') collected at 9:50 and submitted for laboratory analysis	End of boring at 32'
24				1.0/ 57		
25		Gray	100	1.0/ 7.0		
26						
27						
28						
29						
30						
31						
32						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641599.69	UTM Easting*: 202191.39
Boring Location: NA	Surface Elevation*: 752.329

BBSB-28

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	Some crushed stone	50	2.0/ 2.0		2-3' higher in elevation than BBSB-27
1		(Fill) some coke and gravel, moist		5.0/ 4.0		
2	CLAY		50	10/ 4.0		Odor 6-18'
3				13/ 8.0		
4				13/ 22		
5				Very soft		
6	SILTY CLAY	Dark gray to black, low plasticity, medium stiff, damp	50	15/ 43		Soil sample (14-16') collected at 11:40 and submitted for laboratory analysis
7				18/ 49		
8				78/ 53		
9				Soft, moist		
10	GRAVELLY SAND	Black, medium dense, well graded, medium grained, damp	50	52/ 70		Groundwater at 18' Reddish-brown product at 18-20' & 22-28' Odor 18-28'
11				Saturated		
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641599.69	UTM Easting*: 202191.39
Boring Location: NA	Surface Elevation*: 752.329

BBSB-28

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Trace of clay	75	105/ 55		
21				165/ 300		
22	SAND	Dark gray, fine, loose, poorly graded, saturated	100	146/ 914		Sheen on fine sand
23				190/ 143		
24						
25	GRAVELLY SAND	Black, medium dense, well graded, medium grained, damp				Heaving sand, EFS cannot go deeper with current tooling. No deep sample.
26						
27						End of boring at 28'
28						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641583.294	UTM Easting*: 202804.24
Boring Location: NA	Surface Elevation*: 754.384

BBSB-29

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone	60	1.2/ 3.2		No odor
1		(Fill) black, some coke, dry				
2	SANDY GRAVEL		100	2.2/ 3.2		Soil sample (4-6') collected at 13:15 and submitted for laboratory analysis
3						
4	SANDY CLAY	Dark brown, medium plasticity, medium stiff, damp	50	2.7/ 0.4		
5						
6						
7						
8	SANDY CLAY	2" Coarse sand, dry	60	14/ 2.7		
9		Light brown				
10	SANDY CLAY	Saturated	50	3.2/ 0.6		
11						
12	SANDY CLAY	Some gravel	60	5.2/ 1.2		
13		Brown, low plasticity, stiff, damp, trace gravel				
14	SANDY CLAY		100	6.7/ 3.5		
15						
16	SANDY CLAY		60	4.9/ 1.2		
17						
18	SAND	Gray, fine grained, dense, poorly graded, saturated	100			
19						
20	SAND					



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641583.294	UTM Easting*: 202804.24
Boring Location: NA	Surface Elevation*: 754.384

BBSB-29

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	1.3/ 0.2		Soil sample (26-28') collected at 13:30 and submitted for laboratory analysis, MS/MSD End of boring at 28'
21				1.3/ 0.1		
22	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel	100	0.5/ 0.2		
23				0.6/ 0.2		
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641729.96	UTM Easting*: 201938.55
Boring Location: NA	Surface Elevation*: 747.487

BBSB-30

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some coke and gravel	50	2.0/ 1.5		
1		(Fill) Brown and blue, fine grained, loose, poorly graded, damp		2.0/ 0.5		
2	SAND	(Fill) Gray, coarse grained, loose, well graded, moist	50	1.5/ 0.5		
3		(Fill) Gray, medium plasticity, soft, trace of sand and gravel, moist		2.0/ 1.0		
4	GRAVELLY SAND	Brown, low plasticity, soft, damp	50	2.0/ 1.5		
5		(Fill) Brown and black, some coke fragments, non-plastic, medium stiff, damp		5.0/ 1.0		
6	SANDY CLAY	Dark gray, coarse grained, medium dense, well graded, moist	25	1.5/ 2.4		Soil sample (10-12') collected at 15:30 and submitted for laboratory analysis
7		Light gray, saturated		1.0/ 2.0		
8	CLAYEY SILT	Black	100	1.0/ 1.3		Groundwater at 16'
9		Gray, low plasticity, hard, damp, trace gravel (5%)		1.0/ 1.0		
10	GRAVELLY SAND		100			Soil sample (18-20') collected at 15:40 and submitted for laboratory analysis
11						
12	SILT CLAY		100			End of boring at 20'
13						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641715.619	UTM Easting*: 202148.62
Boring Location: NA	Surface Elevation*: 749.500

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND AND GRAVEL	(Fill) damp	60	1.0/ 1.0		Refusal at 6', moved ~5' SW
1		Some coke				Refusal at 4', moved ~5' NW
2	SILTY CLAY	(Fill) dark gray, medium plasticity, medium stiff, moist, trace of sand, gravel, and coke	50	2.0/ 10		Odor 3-26'
3						
4		50	14/ 55			
5				27/ 70		
6		50	36/ 88			
7				33/ 76		
8		50	82/ 94			
9				60/ 103		
10	50	52/ 88				
11			50/ 138			
12	GRAVELLY SAND	Dark grayish-black, coarse grained, medium dense, well graded, saturated		50		
13			50			
14	50	52/ 88				
15			50	50/ 138		
16	50	50/ 138				
17			50	50/ 138		
18	50	50/ 138				
19			50	50/ 138		
20	50	50/ 138				



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641715.619	UTM Easting*: 202148.62
Boring Location: NA	Surface Elevation*: 749.500

BBSB-31

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		50	37/ 103		Reddish-brown product 22-26'
21				112/ 650		
22						
23						
24		Increase in rounded gravel				
25				96/ 530		
26	SILTY CLAY	Dark brown, low plasticity, hard, damp, trace gravel (5%)	75			Soil sample (27-28') collected at 14:30 and submitted for laboratory analysis
27				22/ 50		
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641711.709	UTM Easting*: 202250.94
Boring Location: NA	Surface Elevation*: 751.803

BBSB-32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	CONCRETE					Probed first bore hole and hit refusal at 10', very hard, might be concrete. Black oil on bottom of cutting shoe. Probed second hold, refusal again at 10. No black oil. Hole 3, no refusal at 10'. Green sheen 6-8'	
1	SAND AND GRAVEL	(Fill) some coke	50	3.0/ 40			
2				4.0/ 35			
3				10/ 53			
4				35/ 1,599			
5		Wet		96/ 539			
6			50	90/ 715			
7	SANDY CLAY	Black, medium plasticity, medium stiff, moist	50	150/ 785			Soil sample (12-14') collected at 10:00 and submitted for laboratory analysis
8		Light brown					
9		Soft					
10							
11	GRAVELLY SAND	Black and gray, coarse, loose, well graded, saturated	50	95/ 838		Groundwater at 15'	
12				125/ 530			
13				123/ 400			



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641711.709	UTM Easting*: 202250.94
Boring Location: NA	Surface Elevation*: 751.803

BBSB-32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		50	210/600		
21				65/66		
22	GRAVELLY SAND	Dark gray, low plasticity, stiff, damp, little gravel (10%) Black and gray, coarse grained, loose, well graded, saturated	75	66/115		Reddish-brown product 24-26'
23				4.0/9.0		
24	SILTY CLAY					
25	SILTY CLAY					
26	SILTY CLAY					
27	SILTY CLAY					
28						Soil sample (26-28') collected at 10:10 and submitted for laboratory analysis End of boring 28'



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641713.079	UTM Easting*: 202384.97
Boring Location: NA	Surface Elevation*: 771.032

BBSB-33

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	CONCRETE		20	15/ 26		Hole 1: Refusal at 4', greenish-product in borehole from 3-4' Hole 2: Refusal at 4' Hole 3: Refusal at 4' End of boring at 4'
1	SILTY CLAY	(Fill) brown, low plasticity, medium stiff, dry				
2	SAND AND GRAVEL	(Fill) black, wet				
3				60/ 115		
4						



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641709.876	UTM Easting*: 202449.25
Boring Location: NA	Surface Elevation*: 751.591

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
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0	 CONCRETE		NA	NA/ NA		Hole 1: Refusal at 4'
1				NA/ NA		Hole 2: Refusal at 4'
2	 SAND AND GRAVEL	(Fill)	NA	NA/ NA		Hole 3: Refusal at 4'
3				NA/ NA		groundwater in borehole below concrete, sheen on groundwater
4						End of boring at 4'



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641710.9356	UTM Easting*: 202534.59
Boring Location: NA	Surface Elevation*: 751.988

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Some crushed stone, wet				
1	CONCRETE			93/ 13		
2		Black, high plasticity, soft, moist	50	68/ 2,200		Intermittent black product at 2.5'
3						
4						
5	SILTY CLAY	Brownish-gray, medium stiff		32/ 1,300		
6		Black, soft	100	60/ 1,869		Soil sample (6-8') collected at 14:20 and submitted for laboratory analysis
7						
8		Greenish-gray, medium grained, medium dense, well graded, wet, trace gravel (5%)		140/ 2,400		Yellowish-brown product 8-10'
9						
10			75	46/ 788		
11	SAND					
12						
13		Saturated		40/ 613		Groundwater at 13'
14			100	22/ 164		
15	CLAYEY SILT	Gray, low plasticity, medium stiff, moist				
16		Dark gray, fine grained, loose, well graded, saturated		17/ 135		
17						
18	SAND	Medium grained	75	13/ 426		
19						
20						



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641710.9356	UTM Easting*: 202534.59
Boring Location: NA	Surface Elevation*: 751.988

BBSB-35

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Coarse grained	100	12/ 230		
21				9.0/ 145		
22				13/ 186		
23	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	13/ 16	Soil sample (26-28') collected at 14:35 and submitted for laboratory analysis, MS/MSD	End of boring at 28'
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641708.217	UTM Easting*: 202654.38
Boring Location: NA	Surface Elevation*: 753.745

BBSB-36

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	Crushed stone, damp	50	4.0/ 8.0		
1		(Fill) moist		6.0/ 22		
2	SAND AND GRAVEL	Wet	50	48/ 75		Coal tar 4-6'
3		(Fill) wet		6.0/ 351		
4	COAL	Gray, medium grained, poorly graded, wet	NA	NA/ NA		Refusal at 9'. Moved ~5' N. on opposite side of drive. Same description with refusal at 10'. Third hole, moved ~5' E. from halfway point between first and second holes. Refusal at ~2' in third hole.
5						
6	SAND					End of boring at 10'
7						
8						
9						
10						



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641719.344	UTM Easting*: 202770.84
Boring Location: NA	Surface Elevation*: 754.385

BBSB-37

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	(Fill) black	75	14.6/ 1.2		Odor at 0-18'
1	SANDY CLAY	(Fill) tan, some crushed stone				
2	GRAVEL	(Fill) black, some sand and gravel	75	330/ 120		Intermittent product (reddish-brown) at 3-3.5'
3	CLAY	Some crushed stone				
4	CONCRETE	(Fill) black, some wood fragments	75	56/ 62		Intermittent product (reddish-brown) at 6-7'
5	SILTY CLAY	Black, medium plasticity, soft, moist				
6	SANDY CLAY	Gray, medium stiff, trace gravel	50	188/ 151		Soil sample (8-10') collected at 15:50 and submitted for laboratory analysis
7		Dark gray, coarse grained, loose, well graded, saturated				
8	SANDY CLAY	Dark gray, coarse grained, loose, well graded, saturated	75	93/ 111		Saturated at 12' Product, reddish-brown, yellow around edges of product, at 12-13.5'
9				32/ 90		
10	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	75	106/ 190		Sheen at 12-18'
11				39/ 110		
12	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	75	95/ 220		3" coal tar on sandy clay Soil sample (18-20') collected at 16:00 and submitted for laboratory analysis
13				4.3/ 18		
14	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	95/ 220		
15				4.3/ 18		
16	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	4.3/ 18		
17				4.3/ 18		
18	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	4.3/ 18		
19				4.3/ 18		
20	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	4.3/ 18		
19				4.3/ 18		



Project Number: JM1710.320	Date Drilled: 5/10/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641719.344	UTM Easting*: 202770.84
Boring Location: NA	Surface Elevation*: 754.385

BBSB-37

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	 SANDY CLAY		100	5.6/ 9.1		Soil sample (22-24') collected at 16:05 and submitted for laboratory analysis End of boring at 24'
21	 SAND	Gray, medium to coarse grained, medium dense, well graded, saturated				
22	 SILTY CLAY	Gray, medium plasticity, stiff, dry, trace gravel		2.0/ 0.3		
23						
24						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641746.75	UTM Easting*: 202004.86
Boring Location: NA	Surface Elevation*: 747.112

BBSB-38

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal, coke, sand, and clay, damp	50	96/ 1.2		Blue staining 2-4'
1				111/ 1.4		
2						
3	SILTY CLAY	Black, medium plasticity, medium stiff, moist	75	98/ 7.2		Odor at 2-20'
4						
5	SAND	Dark gray to black, medium grained, dense, damp, poorly graded	80	105/ 6.7		Soil sample (6-8') collected at 14:00 and submitted for laboratory analysis
6						
7	GRAVELLY SAND	Black, coarse, medium dense, well graded, saturated	90	87/ 3.1		Groundwater at 10'
8				140/ 29		
9						
10	SILTY CLAY	Brown, stiff, damp Black, coarse, loose, well graded, saturated	90	155/ 32		Sheen 10-14'
11						
12	SANDY GRAVEL	Black, coarse, loose, well graded, saturated	90	129/ 35		Groundwater sample (screened from 9-19') collected at 14:20 and submitted for laboratory analysis, Duplicate sample
13				133/ 41		
14				130/ 38		



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641746.75	UTM Easting*: 202004.86
Boring Location: NA	Surface Elevation*: 747.112

BBSB-38

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY GRAVEL		100	100/ 31		
21		Brown, low plasticity, stiff, dry				
22	SILTY CLAY	Gray		9.1/ 2.7		Soil sample (22-24') collected at 14:15 and submitted for laboratory analysis, MS/MSD
23						
24						End of boring at 24'



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641794.035	UTM Easting*: 202053.28
Boring Location: NA	Surface Elevation*: 748.215

BBSB-39

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal, coke, sand, gravel, and clay	60	120/ 11	█	Blue staining 2-4' Wood chips at 2-10' Odor at 2-20'
1				680/ 870		
2			450/ 39			
3			390/ 155			
4	SANDY CLAY	(Fill) black, soft, moist	90	930/ 250	█	Soil sample (8-10') collected at 16:25 and submitted for laboratory analysis
5				105/ 95		
6				510/ 600		
7	GRAVEL	Light gray, some crushed stone	50	1,200/ 780	█	Groundwater at 14' Yellow/brown product 14-16'
8	SILTY CLAY	Dark gray, low plasticity, stiff, damp		320/ 105		
9	SANDY GRAVEL	Black, coarse, medium dense, well graded, saturated	100	365/ 284	█	Groundwater sample (screened from 10-20') collected at 16:45 and submitted for laboratory analysis
10						
11						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641794.035	UTM Easting*: 202053.28
Boring Location: NA	Surface Elevation*: 748.215

BBSB-39

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20						
21		Brown, low plasticity, dense, damp, trace gravel		20/ 5.7		
22	SILTY CLAY	Gray, dry	100			Soil sample (22-24') collected at 16:35 and submitted for laboratory analysis
23				7.2/ 0.1		
24						End of boring at 24'



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641783.689	UTM Easting*: 202225.18
Boring Location: NA	Surface Elevation*: 751.421

BBSB-40

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVEL	(Fill) black, damp, some coke	50	0.5/ 4.0		Odor 3-28'
1				0.5/ 7.5		
2	GRAVELLY SAND		25	3.0/ 14		
3				32/ 51		
4		Increase in coke				
5			100	23/ 313		Soil sample (10-12') collected at 11:10 and submitted for laboratory analysis
6				27/ 875		
7	SANDY CLAY		100	25/ 750		
8				23/ 650		
9			50	45/ 900		Groundwater at 17' Trace of yellowish brown product
10				45/ 750		
11	SAND	Gray, fine grained, loose, poorly graded, wet				
12						
13			50			
14						
15	GRAVELLY SAND	Greenish-gray, medium grained, medium dense, well graded, saturated				
16						



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641783.689	UTM Easting*: 202225.18
Boring Location: NA	Surface Elevation*: 751.421

BBSB-40

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Increase in rounded gravel	100	38/ 400		Reddish-brown product on top of clay 27-28'
21				51/ 799		
22				18/ 250		
23				13/ 124		
24	SILTY CLAY	Gray, low plasticity, hard, damp, trace gravel (5%)	100	30/ 72	Soil sample (30-32') collected at 11:20 and submitted for laboratory analysis	End of boring at 32'
25				6.0/ 17		
26						
27						
28						
29						
30						
31						
32						



Project Number: JM1710.320	Date Drilled: 5/22/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-41	UTM Northing*: 1641811.852
	UTM Easting*: 202344.46
	Boring Location: NA
	Surface Elevation*: 752.101

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		(Fill) damp, some gravel and coke				
1	SANDY CLAY		50	2.0/ 2.0		Wood fragments 3-8' Odor 3-27'
2						
3			30/ 10			
4						
5		Moist	10	150/ 53		
6						
7				260/ 100		
8	SILTY CLAY	Dark gray, medium plasticity, medium stiff, moist	100	230/ 60		Soil sample (10-12') collected at 9:30 and submitted for laboratory analysis, BBSBD-12
9						
10				430/ 516		
11		Soft				
12	GRAVELLY SAND	Greenish-black, medium grained, loose, well graded, saturated	100	700/ 1,100		Groundwater at 12' Sheen 12-14.5'
13						
14				250/ 185		
15	SANDY CLAY	Dark gray, low plasticity, medium stiff, damp, trace gravel (3%)	100	160/ 105		
16						
17						
18	SILT	Gray, low plasticity, medium stiff, moist	100	100/ 83		
19	SAND	Gray, medium grained, medium dense, well graded, saturated, trace gravel				
20						



Project Number: JM1710.320	Date Drilled: 5/22/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641811.852	UTM Easting*: 202344.46
Boring Location: NA	Surface Elevation*: 752.101

BBSB-41

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	135/ 180		Soil sample (30-32') collected at 9:45 and submitted for laboratory analysis End of boring at 32'
21		Rounded gravel (50%)				
22				145/ 130		
23						
24			75	120/ 90		
25	Fine grained					
26		Medium grained				
27	SILTY CLAY	Brown, low plasticity, stiff, damp, trace gravel		10/ 25		
28						
29				100	3.0/ 2.0	
30		Dry				
31		Gray		2.0/ 2.0		
32						



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641828.986	UTM Easting*: 202445.70
Boring Location: NA	Surface Elevation*: 752.760

BBSB-42

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SANDY GRAVEL	(Fill) damp, some coke and coal fragments	50	0.5/ 2.0		Green product 4-6' Odor 4-15' Wood chips 5-6' Soil sample (6-8') collected at 12:45 and submitted for laboratory analysis, BBSBD-5
1				2.0/ 3.0		
2		Wet	50	72/ 1,000		
3		Damp		56/ 425		
4	SANDY CLAY	Black, high plasticity, soft, moist	100	37/ 360		
5		Gray, medium stiff		32/ 244		
6		Black, soft	100	38/ 225		
7	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated	100	78/ 950		Groundwater at 14.5' Yellowish-brown product at 14.5-15'
8				34/ 180		
9	SILTY CLAY	Gray, low plasticity, stiff, damp	100	17/ 150		
10						



Project Number: JM1710.320	Date Drilled: 5/13/2013
	Client Name: Citizens Energy Group
	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
	Driller License: NA
Drilling Method: Geoprobe	GW Sample Method: NA
Site Address: Indianapolis, IN	UTM Northing*: 1641828.986
BBSB-42	UTM Easting*: 202445.70
	Boring Location: NA
Surface Elevation*: 752.760	

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	 SILTY CLAY		100	12/ 240		Soil sample (22-24') collected at 12:55 and submitted for laboratory analysis End of boring at 24'
21	 GRAVELLY SAND	Gray, coarse grained, loose, well graded, wet, increase in gravel				
22	 SANDY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel (4%)				
23				7.0/ 18		
24						



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641814.126	UTM Easting*: 202543.60
Boring Location: NA	Surface Elevation*: 753.851

BBSB-43

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND AND GRAVEL	(Fill) coke and coal fragments	50	105/230		Trace of green product at 5-7'
1				115/260		
2		Wet	75	125/355		
3				140/615		
4	SANDY CLAY	Black, medium plasticity, medium stiff, little gravel (8%)	75	80/650	Soil sample (10-12') collected at 14:45 and submitted for laboratory analysis	
5				88/1,100		
6		Soft	100	55/413		
7				145/1,500		
8	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated	100	40/125	Groundwater at 14.5' Yellowish-brown product 14.5-15'	
9				27/130		
10	SILTY CLAY	Brown, low plasticity, stiff, damp	100			
11						
12	SAND	Gray, fine grained, loose, poorly graded, saturated				



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-43	UTM Northing*: 1641814.126
	UTM Easting*: 202543.60
Boring Location: NA	Surface Elevation*: 753.851

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Medium grained, well graded, some gravel	100	30/ 118		Soil sample (24-26') collected at 14:55 and submitted for laboratory analysis
21				25/ 91		
22	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel (3%)	100	11/ 27		
23						
24	SILTY CLAY	Brownish-gray, low plasticity, stiff, damp, trace gravel	100			End of boring at 26'
25						
26						



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641815.232	UTM Easting*: 202639.55
Boring Location: NA	Surface Elevation*: 753.997

BBSB-44

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND AND GRAVEL	(Fill) damp, some coke fragments	50	3.0/ 8.0	█	Soil sample (2-4') collected at 16:40 and submitted for laboratory analysis
1				189/ 320		
2			Saturated	10	200/ 515	Groundwater at 6' Green product 6-8' Odor 6-21'
3					82/ 500	
4			Reddish-brown product 8-21'	10	78/ 522	
5					110/ 756	
6			Wood chunks at 12'	20	140/ 560	
7					115/ 650	
8			Large pieces of coal at 14-16'	20	105/ 700	
9					62/ 200	
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/13/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: Ark - Chris
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641815.232	UTM Easting*: 202639.55
Boring Location: NA	Surface Elevation*: 753.997

BBSB-44

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND AND GRAVEL					
21	SILTY CLAY	Gray, medium plasticity, stiff, moist, trace gravel (5%)	75	40/ 155		Wood chunks at 20'
22				25/ 75		
23						
24	SANDY GRAVEL	Gray, coarse grained, loose, well graded, saturated				
25	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel (4%)	100	22/ 100		
26				14/ 32		Soil sample (26-28') collected at 16:50 and submitted for laboratory analysis
27						
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641807.94	UTM Easting*: 202742.79
Boring Location: NA	Surface Elevation*: 755.022

BBSB-45

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COKE	(Fill) black, dry	80	22/ 1.6		
1	GRAVEL	(Fill) some crushed stone				
2	COKE	(Fill) black, dry, some crushed stone				
3		(Fill) brown to black, some coke fragments				
4	SANDY CLAY		80	26/ 1.2		
5	SAND	(Fill) saturated, some coke				
6	SILTY CLAY	Gray, medium plasticity, soft, wet				
7		Medium stiff, moist	31/ 3.3			
8			50	9.2/ 0.7		
9		Soft, wet				
10			90	14/ 0.8		
11		Medium stiff, moist				
12		25/ 0.0	28/ 0.0			
13	Brown, high plasticity, damp					
14		100	31/ 4.8	Soil sample (16-18') collected at 15:45 and submitted for laboratory analysis		
15						
16		Gray, medium plasticity, stiff	30/ 4.7			
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-45	
UTM Northing*: 1641807.94	UTM Easting*: 202742.79
Boring Location: NA	Surface Elevation*: 755.022

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY	Gray, medium plasticity, medium stiff, moist	100	17/ 1.6		
21				21/ 2.5		
22	GRAVELLY SAND	Gray, medium to coarse grained, medium dense, saturated	100	114/ 202		Groundwater at 23.5' Odor 23.5-42'
23				26/ 41		
24	SAND	Brown, fine grained, dense, saturated				Small amount of reddish-brown product 26.5'
25	GRAVELLY SAND	Gray, coarse grained, medium dense, saturated	100	91/ 47		Black staining 27.5-28'
26				55/ 21		
27	SAND	Gray, dry				1" coal tar on silty clay at 30'
28	GRAVELLY SAND	Gray, coarse grained, medium dense, saturated	100	190/ 160		Sheen 32-41.75'
29				690/ 1,900		
30	SILTY CLAY	Gray, low plasticity, stiff, dry				
31	GRAVELLY SAND	Gray, coarse grained, medium dense, well graded, saturated	100	280/ 710		Reddish-brown product 35-36'
32				275/ 1,600		
33	SAND	Gray, fine to medium grained, dense, poorly graded, saturated	NA			Reddish-brown product 37-41.75'
34	SAND		NA			
35						
36						
37						
38						
39						
40						



Project Number: JM1710.320	Date Drilled: 5/14/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641807.94	UTM Easting*: 202742.79
Boring Location: NA	Surface Elevation*: 755.022

BBSB-45

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
40	SAND		100	145/ 980		Soil sample (41.75-42') collected at 15:25 and submitted for laboratory analysis Could not advance beyond 42' End of boring at 42'
41						
42	SILTY CLAY	Gray, low plasticity, stiff, dry				



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641766.954	UTM Easting*: 202819.79
Boring Location: NA	Surface Elevation*: 755.540

BBSB-46

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	ASPHALT	Some crushed stone				
1	SANDY GRAVEL	Black, dry, some coke and coal fragments	75	32/ 12		Refusal at 13.5' on first attempt, 13.5' on second attempt, 13.5' on third attempt, 3' on fourth attempt, and 2' on fifth attempt. No refusal on sixth attempt.
2				44/ 24		
3	SANDY CLAY	Black, damp, some coke and coal fragments	75	40/ 22	Soil sample (6-8') collected at 13:45 and submitted for laboratory analysis 3" red brick at 7'	
4						
5						
6	SANDY GRAVEL	Black, coarse, loose, well graded, saturated	90	305/ 960	Groundwater at 8'	
7				200/ 107		
8	SANDY CLAY	Dark gray, medium plasticity, soft, wet	100	2,400/ 3,800	6" reddish-brown product at 10.5'	
9						
10	GRAVELLY SAND	(Fill) dark gray, coarse grained, medium dense, well graded, saturated	100	3,000/ 4,700	Red brick fragments 12-14'	
11	SAND	(Fill) black, medium grained, dense, poorly graded, saturated				
12	CLAY	(Fill) black, soft, wet				
13	SAND	(Fill) black, medium grained, dense, poorly graded	100	161/ 230	2" coal tar on clay at 15.5'	
14	CLAY	Black, soft, wet				
15	SANDY GRAVEL	Black, coarse grained, loose, well graded, saturated	100	125/ 310	Reddish-brown product at 17-19'	
16						
17	SANDY GRAVEL	Black, coarse grained, loose, well graded, saturated	100	7.6/ 12.3		
18						
19	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel				
20						



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-46	UTM Northing*: 1641766.954
	UTM Easting*: 202819.79
Boring Location: NA	Surface Elevation*: 755.540

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY		100	4.2/ 10		Soil sample (22-24') collected at 13:55 and submitted for laboratory analysis End of boring at 24'
21						
22						
23						
24						



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
BBSB-47	UTM Northing*: 1641804.017
	UTM Easting*: 202944.67
	Boring Location: NA
	Surface Elevation*: 756.344

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, dry, some coke and coal	90	63/ 0.0		
1		Wet		69/ 0.0		
2	SANDY CLAY	Greenish-blue, medium plasticity, soft, moist	75	84/ 1.3		Soil sample (4-6') collected at 10:00 and submitted for laboratory analysis
3						
4						
5		Brown, stiff, damp		72/ 1.2		
6	GRAVELLY SAND	Brown, medium/coarse grained, loose, well graded, saturated, some clay	60	58/ 2.4		Groundwater at 8.5'
7						
8						
9	SAND	Gray, medium grained, medium dense, poorly graded, saturated	50	165/ 4.5		Odor 13-15.5'
10	GRAVELLY SAND	Black, coarse grained, medium dense, well graded, saturated		206/ 227		
11	SAND	Gray, medium grained, medium dense, poorly graded, saturated	80	80/ 9.7		Groundwater sample (screened from 7-17') collected at 10:15 and submitted for laboratory analysis
12	GRAVELLY SAND	Gray, coarse grained, medium dense, well graded, saturated				
13	SANDY GRAVEL	Gray, coarse grained, medium dense, well graded, saturated	80	59/ 2.6		2" Black coal tar at 15.5' on top of clay
14	SILTY CLAY	Gray, low plasticity, stiff, dry				
15	SAND					
16	SANDY GRAVEL					
17	SANDY GRAVEL					
18	SANDY GRAVEL					
19	SANDY GRAVEL					
20	SANDY CLAY					



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: 1" Temporary Well
UTM Northing*: 1641804.017	UTM Easting*: 202944.67
Boring Location: NA	Surface Elevation*: 756.344

BBSB-47

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY GRAVEL	Gray, coarse grained, medium dense, well graded, saturated	100	57/ 3.9		Soil sample (26-28') collected at 10:10 and submitted for laboratory analysis End of boring at 28'
21				32/ 1.5		
22	SILTY CLAY	Gray, low plasticity, stiff, dry	100	9.2/ 0.1		
23				6.9/ 0.0		
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/22/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641904.936	UTM Easting*: 202247.61
Boring Location: NA	Surface Elevation*: 750.182

BBSB-48

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	GRAVELLY SANDY CLAY	(Fill) damp	75	2.0/ 1.0		3" wood chips at 3'
1						
2						
3	SILTY CLAY	Black and brown, medium stiff, medium plasticity, moist, trace sand and gravel	10	7.0/ 9.0		Odor 8-25' Black staining 10-16'
4						
5			14/ 20			
6						
7			12/ 21			
8			Soft			
9			25	16/ 26		
10						
11				20/ 60		
12						
13				16/ 53		
14			50			
15		Medium stiff, increase in sand		23/ 64	Soil sample (14-16') collected at 10:45 and submitted for laboratory analysis	
16	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated	75	140/ 115		Groundwater at 16' Intermittent greenish product 16-17'
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/22/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641904.936	UTM Easting*: 202247.61
Boring Location: NA	Surface Elevation*: 750.182

BBSB-48

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	160/185		Soil sample (26-28') collected at 10:55 and submitted for laboratory analysis End of boring at 28'
21				162/190		
22	SILTY CLAY	Increase in rounded gravel Gray, low plasticity, stiff, damp, trace gravel (5%)	100	65/ 76		
23				13/ 16		
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641905.915	UTM Easting*: 202346.17
Boring Location: NA	Surface Elevation*: 750.631

BBSB-49

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	SAND	(Fill) black, dry, some coke and coal	80	4.6/ 0.1	█	Refusal at 12.5' on first attempt, 12' on second attempt, 12' on third attempt	
1		Moist		146/ 61		Blue staining 2-4' (cyanide)	
2		Saturated	60	258/ 129		█	Soil sample (4-6') collected at 15:45 and submitted for laboratory analysis
3							
4	SILTY CLAY	Gray, medium plasticity, stiff, damp	80	42/ 35	█		
5				19/ 21			
6	GRAVEL	Light gray, coarse grained, dense, well graded, dry	70	175/ 780	█	Gravel at 12'	
7	SAND	Gray, medium to coarse grained, medium dense, poorly graded, saturated		132/ 151		Groundwater at 13'	
8	SILTY CLAY	Gray, low plasticity, stiff, damp	100	60/ 21	█	Yellow/brown product 13-15'	
9				132/ 151		Odor 13-16'	
10	SILT	Gray, non-plastic, stiff, wet	100	42/ 20	█	Soil sample (16-18') collected at 15:55 and submitted for laboratory analysis	
11							



Project Number: JM1710.320	Date Drilled: 5/15/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641905.915	UTM Easting*: 202346.17
Boring Location: NA	Surface Elevation*: 750.631

BBSB-49

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILT					Refusal at 28' with dual tube and macro core. Could not reach dry clay. All rods blue when coming out of borehole and anything groundwater splashed on turns blue.
21	SAND	Gray, fine to medium grained, dense, poorly graded, wet	100	38/ 23		
22	SILT	Gray, non-plastic, stiff, wet, trace gravel		22/ 19		
23	SAND	Gray, medium to coarse grained, medium dense, poorly graded, saturated	75	279/ 50		
24	SANDY GRAVEL	Gray, coarse grained, loose, well graded, saturated		220/ 60		
25						
26						
27						
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-50	
UTM Northing*: 1641903.107	UTM Easting*: 202445.91
Boring Location: NA	Surface Elevation*: 751.719

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND	Black, dry, some coke, coal, and gravel	60	29/ 0.0	█	Odor 2-18'
1				44/ 0.0		
2						
3	SANDY CLAY	Black, soft, wet, some coke fragments	60	96/ 4.2	█	Soil sample (4-6') collected at 10:30 and submitted for laboratory analysis
4						
5						
6		Saturated				
7						
8	SANDY CLAY	Medium stiff, moist	90	340/ 2,300	█	Groundwater at 7.5' Sheen 7.5-11'
9						
10						
11	CLAYEY SAND	Gray, medium grained, dense, well graded, damp, some gravel	100	210/ 800	█	Soil sample (14-16') collected at 10:10 and submitted for laboratory analysis
12						
13	SANDY GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	90	350/ 1,520	█	Sheen 15.5-17'
14						
15	SILTY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	90	290/ 670	█	
16						
17						
18				72/ 63		
19						
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-50	UTM Northing*: 1641903.107
	UTM Easting*: 202445.91
	Boring Location: NA
	Surface Elevation*: 751.719

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY					
21	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel		68/ 131		
22			100			
23	SAND	Gray, fine grained, dense, saturated		55/ 88		
24	SILT	Gray, non-plastic, stiff, wet				
25	SILTY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel		47/ 17		
26			100			
27	SAND	Gray, medium/coarse grained, medium dense, saturated, trace gravel		32/ 37		
28						
29		Gray, low plasticity, stiff, dry, trace gravel		17/ 7.6		
30	SILTY CLAY		100			
31				9.2/ 3.1		Soil sample (30-32') collected at 10:20 and submitted for laboratory analysis
32						End of boring at 32'



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-51	UTM Northing*: 1641903.238
	UTM Easting*: 202638.29
Boring Location: NA	Surface Elevation*: 754.781

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal and coke	90	42/ 12.4		
1		(Fill) brown, dry		66/ 13.9		
2	SANDY GRAVEL		60	170/ 597		Soil sample (4-6') collected at 13:30 and submitted for laboratory analysis Odor at 4-20'
3				132/ 1,150		
4	SAND	(Fill) black, some coal and coke, dry	100	368/ 2,100		Soil sample (10-12') collected at 13:40 and submitted for laboratory analysis
5		Wet		240/ 901		
6		Saturated		680/ 2,950		
7	SILTY CLAY	Dark gray, medium plasticity, medium stiff, moist	100	250/ 830		Yellow/brown product at 15-16'
8		Gray, stiff, damp		370/ 1,210		
9	SANDY CLAY		100			Sheen at 17.5-18.5'
10		Gray, low plasticity, soft, saturated				
11	SAND		100			
12		Gray, medium/coarse grained, loose, well graded, saturated, trace gravel				
13	SILTY CLAY		100			
14		Gray, low plasticity, stiff, damp				
15	SAND		100			
16		Gray, fine grained, medium dense, poorly graded, saturated				
17	SAND		100			
18						
19	SAND		100			
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1641903.238	UTM Easting*: 202638.29
Boring Location: NA	Surface Elevation*: 754.781

BBSB-51

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, damp Gray, coarse grained, loose, well graded, saturated		180/ 61		
21	GRAVELLY SAND		100	95/ 32		
22						
23	SANDY CLAY	Gray, low plasticity, stiff, damp	100	16/ 4.2		
24						
25		Brown, dry		9.3/ 1.6		Soil sample (26-28') collected at 13:15 and submitted for laboratory analysis
26						End of boring at 28'
27						
28						



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-52	UTM Northing*: 1642005.092
	UTM Easting*: 202447.51
	Boring Location: NA
	Surface Elevation*: 752.201

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	CONCRETE	Damp					
1	GRAVEL	Damp		2.0/ 1.0			
2	FILL MATERIAL	Clay, sand, gravel, and coke, damp	75	35/ 4.0	█	Trace red brick	
3							
4							
5							
6			50	28/ 5.0		Red brick and wood fragments	
7				115/ 15		Odor and 3" coal tar at 7.5'	
8	SILTY CLAY	Gray and black, medium plasticity, medium stiff, moist, trace sand (5%) and gravel (3%)	75	160/ 46	█	Soil sample (8-10') collected at 13:40 and submitted for laboratory analysis, BBSBD-11	
9							
10							
11		Soft		162/ 40			
12		Increase in sand and gravel					
13	GRAVELLY SAND	Dark gray, medium grained, loose, well graded, saturated	75	215/ 38		Groundwater at 12'	
14							
15				84/ 12		Greenish-brown product at 12-13'	
16	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, little gravel (6%)	100	42/ 7.0		Black staining at 12-15'	
17							
18							
19	CLAYEY SILT	Gray, low plasticity, medium stiff, moist	100	88/ 9.0			
20							



Project Number: JM1710.320	Date Drilled: 5/21/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-52	UTM Northing*: 1642005.092
	UTM Easting*: 202447.51
	Boring Location: NA
	Surface Elevation*: 752.201

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	CLAYEY SILT		100	16/ 7.0		Stuck liner, soil removed directly from rod. Boring resumed on 5-22-13
21				11/ 2.0		
22	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated	NA	8.0/ 2.0		
23				8.0/ 2.0		
24		Brown				
25	SILTY CLAY	Gray, low plasticity, very stiff, damp	NA	NA/ NA		Soil sample (30-32') collected at 13:00 on 5-22-13 and submitted for laboratory analysis End of boring at 32'
26				NA/ NA		
27						
28						
29						
30						
31						
32						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: B.O'Connor
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-53	UTM Northing*: 1642010.429
	UTM Easting*: 202547.78
Boring Location: NA	Surface Elevation*: 753.549

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SANDY CLAY	(Fill) black, medium plasticity, soft, moist, some coke fragments	50	112/ 270		Odor at 2-16'
1						
2	COKE	Moist	60	165/ 310		
3						
4	SANDY CLAY	(Fill) greenish-gray, medium to high plasticity, medium stiff, moist, trace of coke fragments	80	250/ 480		
5						
6	SANDY CLAY	Black	80	210/ 460		
7						
8	SAND		80	180/ 700		Soil sample (11-12') collected at 11:00 and submitted for laboratory analysis
9						
10	CLAYEY SAND	Brown, fine grained, medium dense, poorly graded, moist	80	230/ 765		Black staining and odor at 12.5-14'
11						
12	GRAVELLY SAND	Black, medium grained, medium dense, well graded, saturated, trace gravel	80	320/ 1,310		Reddish-brown product at 14-15.5'
13						
14	SILT	Gray, coarse grained, loose, well graded, saturated	100	370/ 2,550		
15						
16	SILTY SAND	Brown, non-plastic, stiff, damp	100	170/ 240		
17						
18	SAND		80	130/ 90		
19						
20		Brownish-gray, fine grained, dense, poorly graded, saturated, trace gravel				



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: B.O'Connor
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642010.429	UTM Easting*: 202547.78
Boring Location: NA	Surface Elevation*: 753.549

BBSB-53

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated	80	95/ 46		Soil sample (27-28') collected at 11:10 and submitted for laboratory analysis
21				66/ 29		
22	SANDY GRAVEL	Brown, coarse grained, loose, well graded, saturated	70	48/ 34		
23						
24	SILTY CLAY	Gray, low plasticity, stiff, dry, trace of sand	100	14/ 6.2		End of boring at 28'
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: Mike
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642002.856	UTM Easting*: 202650.42
Boring Location: NA	Surface Elevation*: 753.794

BBSB-54

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	 CONCRETE		NA	NA/ NA		Concrete pad ~ 6" below surface (Refusal)
1						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642001.336	UTM Easting*: 202746.71
Boring Location: NA	Surface Elevation*: 753.990

BBSB-55

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, coal and coke, dry	75	110/ 145		Soil sample (8-10') collected at 15:25 and submitted for laboratory analysis
1				118/ 290		
2						
3	SILTY CLAY	Gray, some coarse sand and coke	100	134/ 212		
4						
5		Gray, medium plasticity, medium stiff, damp, trace gravel		175/ 110		
6		Brown, soft, moist				
7	SANDY CLAY	Brown, medium plasticity, soft, moist, trace gravel	100	180/ 135		
8						
9						
10	GRAVELLY SAND	Brown, coarse grained, medium dense, well graded, saturated	90	28/ 2.7	Groundwater at 13'	
11						
12						
13		Dark gray		14/ 4.5		
14	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	8.9/ 1.8		
15						
16				7.5/ 0.0		
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642001.336	UTM Easting*: 202746.71
Boring Location: NA	Surface Elevation*: 753.990

BBSB-55

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Gray, fine grained, dense, poorly graded, saturated	100	4.1/ 1.3		Soil sample (26-28') collected at 15:35 and submitted for laboratory analysis End of boring at 28'
21		Gray, some silty clay, damp to moist		3.2/ 0.3		
22	SILTY CLAY	Gray, medium plasticity, moist, some sand, trace gravel	100	4.1/ 1.2		
23		Damp		3.2/ 0.1		
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: B.O'Connor
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-56	UTM Northing*: 1642104.355
	UTM Easting*: 202547.09
Boring Location: NA	Surface Elevation*: 752.902

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coke, dry	70	24/ 9.2		
1		(Fill) black, medium plasticity, medium/stiff, dry, some coke fragments		40/ 18		
2	SANDY CLAY	(Fill) tan, medium grained, loose, poorly graded, dry	90	17/ 3.2		
3		Brown with orange mottling, medium to low plasticity, stiff, damp		34/ 2.5		
4	SAND	Brown, fine grained, medium dense, poorly graded, moist	100	47/ 3.8		
5	SILTY CLAY	Brown, low plasticity, stiff, damp		56/ 5.8		
6	SAND	Coarse grained, medium dense, well graded, damp	70	144/ 59		Soil sample (12-14') collected at 15:10 and submitted for laboratory analysis
7				75/ 18		
8	GRAVELLY SAND	Fine grained, loose, poorly sorted, saturated	100	52/ 11		Odor with black staining at 13.5-14'
9				62/ 19		
10	SANDY SILT	Gray, non-plastic, stiff, moist	100			
11						
12	SAND		100			
13						
14	SILTY SAND		100			
15						
16	CLAYEY SILT		100			
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: B.O'Connor
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642104.355	UTM Easting*: 202547.09
Boring Location: NA	Surface Elevation*: 752.902

BBSB-56

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated	100	30/ 8.9		Soil sample (27.5-27.75') collected at 15:20 and submitted for laboratory analysis. Could only advance into the clay 3". End of boring at 27.75'
21				26/ 8.4		
22	SAND	Gray, medium to coarse grained, medium dense, medium to poorly graded, saturated	NA			
23			NA			
24	CLAY	Gray, low plasticity, hard, dry	NA	NA		
25				NA		
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642102.545	UTM Easting*: 202648.74
Boring Location: NA	Surface Elevation*: 754.391

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		(Fill) brown, loose, damp				
1	SAND		50	2.0/ 2.0		
2				2.0/ 2.0		
3						
4	GRAVEL	(Fill) some crushed stone				
5	SAND	(Fill) brown, loose, damp	50	5.0/ 4.0		Odor 7-9'
6		Gray, moist		19/ 8.0		
7						
8	SANDY CLAY	Greenish-gray, medium plasticity, medium stiff, moist, trace gravel (5%)	100	22/ 10		
9				16/ 7.0		
10						
11						
12						Soil sample (12-14') collected at 15:45 and submitted for laboratory analysis, BBSBD-9
13	SAND	Gray and black, medium grained, medium dense, well graded, saturated	100	36/ 18		Groundwater at 14'
14				88/ 72		
15						Odor in saturated sand (14-15')
16	SANDY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)				
17	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated	100	90/ 36		Odor in gravelly sand (17-20')
18				66/ 47		
19						
20						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642102.545	UTM Easting*: 202648.74
Boring Location: NA	Surface Elevation*: 754.391

BBSB-57

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	23/ 13		Soil sample (26-28') collected at 15:55 and submitted for laboratory analysis End of boring at 28'
21				12/ 9.0		
22	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%) Brown, dry	100	14/ 6.0		
23				2.0/ 2.0		
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642101.156	UTM Easting*: 202757.87
Boring Location: NA	Surface Elevation*: 755.386

BBSB-58

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some coke, clay, sand, and gravel, damp	75	6.0/ 2.0		
1				6.0/ 2.0		
2	SILTY CLAY	Dark brown, medium plasticity, medium stiff, moist, trace gravel (3%)	40	8.0/ 13		Odor 5-11'
3				6.0/ 2.0		
4	SANDY CLAY	Greenish-gray, high plasticity, soft, moist, trace sand (5%)	40	42/ 16		Soil sample (6-8') collected at 12:00 and submitted for laboratory analysis, BBSBD-8
5						
6	SANDY CLAY	Greenish-gray, medium plasticity, medium stiff, trace sand and gravel, moist	100	30/ 8.0		
7				22/ 3.0		
8	SILTY CLAY	Greenish-gray, medium plasticity, medium stiff, trace sand and gravel, moist	100	15/ 3.0		
9				10/ 8.0		
10	SANDY CLAY	Gray	100	38/ 15		Groundwater and slight odor in sand at 16'
11				18/ 2.0		
12	GRAVELLY SAND	Black, coarse grained, loose, well graded, saturated	100	38/ 15		
13	SILTY CLAY	Brown, low plasticity, stiff, damp				
14	SANDY CLAY	Gray, soft, moist	100	18/ 2.0		
15	SAND	Gray, medium grained, medium dense, well graded, saturated				
16	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel (5%)				



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-58	UTM Northing*: 1642101.156
	UTM Easting*: 202757.87
Boring Location: NA	Surface Elevation*: 755.386

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY		100	11/ 3.0		Soil sample (26-28') collected at 12:10 and submitted for laboratory analysis End of boring at 28'
21						
22		Soft, increase in sand				
23			10/ 3.0			
24						
25	GRAVEL	Gray, loose, rounded, saturated	100	8.0/ 2.0		
26	SILTY CLAY	Brown, stiff, low plasticity, damp, trace gravel 5%				
27			2.0/ 1.0			
28						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642099.288	UTM Easting*: 202845.07
Boring Location: NA	Surface Elevation*: 754.363

BBSB-59

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal and coke	100	51/ 3.7		
1		Some concrete and crushed stone		42/ 13		
2			50	77/ 2.2		
3		Saturated		65/ 1.7		
4	SILTY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	51/ 1.5	Odor at 8-16'	
5		Brown		76/ 2.9		
6		Gray	53/ 2.2			
7	SAND	Gray, coarse, dense, poorly graded, wet	100	41/ 0.2		
8		SANDY GRAVEL		Coarse, loose, well graded, saturated		
9	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	27/ 3.3		Groundwater at 16'
10		Brown, fine grained, medium dense, poorly graded, saturated		46/ 3.6		
11	SAND					



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642099.288	UTM Easting*: 202845.07
Boring Location: NA	Surface Elevation*: 754.363

BBSB-59

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	42/ 1.7		
21				73/ 0.4		
22	SILT	Gray, non-plastic, stiff, wet	100	12/ 0.2		
23						
24	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	3.2/ 0.1		Soil sample (26-28') collected at 11:55 and submitted for laboratory analysis
25						
26						End of boring at 28'
27						
28						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-60	UTM Northing*: 1642097.392
	UTM Easting*: 202947.64
	Boring Location: NA
	Surface Elevation*: 753.040

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal and coke	50	104/240		No odor
1				6.2/ 1.0		
2				7.1/ 2.2		
3	SANDY CLAY	Black, medium plasticity, soft, moist	75	5.2/ 2.5		
4						
5	SILTY CLAY	Gray, medium plasticity, stiff, damp	100	4.8/ 0.1		Soil sample (10-12') collected at 9:50 and submitted for laboratory analysis
6				32/ 1.4		
7				22/ 1.4		
8						
9	SANDY GRAVEL	2" Sand seam, gray, medium grained, wet Gray, coarse, loose, saturated, well graded	100	29/ 3.7		Groundwater at 15'
10						
11	SAND	Brown, medium grained, medium dense, poorly graded, saturated	100	17/ 1.9		Black staining (15-16')
12				20/ 3.1		
13						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642097.392	UTM Easting*: 202947.64
Boring Location: NA	Surface Elevation*: 753.040

BBSB-60

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND		100	15/ 2.1		
21		Some rounded gravel				
22						
23	SILTY CLAY		100	5.1/ 0.0		Soil sample (26-28') collected at 10:00 and submitted for laboratory analysis
24						
25		Gray, medium plasticity, stiff, damp, trace gravel				
26						End of boring at 28'
27		Brown		5.1/ 0.0		
28						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-61	UTM Northing*: 1642157.775
	UTM Easting*: 202848.78
Boring Location: NA	Surface Elevation*: 754.412

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Black, some coal and coke	50	55/ 23		Odor at 2-18'
1				128/ 111		
2						
3	SILTY CLAY	Greenish-gray, medium plasticity, stiff, damp, trace gravel	100	83/ 122		Soil sample (6-8') collected at 14:00 and submitted for laboratory analysis
4				120/ 760		
5	SAND	Gray, medium grained, medium dense, poorly graded, saturated	100	125/ 830		Intermittent yellow/brown product (9-10')
6	SILTY CLAY	Greenish-gray, medium plasticity, medium stiff, moist, trace gravel		144/ 1,300		
7	SANDY CLAY	Gray, medium plasticity, soft, moist, trace gravel	100	145/ 1,078		Soil sample (12-14') collected at 14:10 and submitted for laboratory analysis
8				129/ 327		
9	SAND	Some sandy gravel, saturated Gray, fine grained, medium dense, well graded, saturated	100	135/ 299		
10	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, trace gravel		89/ 100		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/17/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642157.775	UTM Easting*: 202848.78
Boring Location: NA	Surface Elevation*: 754.412

BBSB-61

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY		100	75/ 85		
21						
22	SILT	Gray, non-plastic, stiff, saturated	100	37/ 11		
23						
24	SAND	Gray, fine to medium grained, dense, poorly graded, saturated	100	35/ 9.6		
25						
26	SILTY CLAY	Gray, low plasticity, very stiff, dry, trace gravel	100	7.0/ 1.4		Soil sample (26-28') collected at 14:20 and submitted for laboratory analysis
27						
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642203.747	UTM Easting*: 202549.91
Boring Location: NA	Surface Elevation*: 752.839

BBSB-62

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SANDY SILTY CLAY	(Fill) dark gray, medium plasticity, medium stiff, damp, some coke and gravel	100	16/ 12		
1				26/ 31		
2						
3	SAND	Tan, medium grained, loose, poorly graded, damp	100	7.0/ 4.0		
4						
5	SANDY CLAY	Brown, medium plasticity, medium stiff, moist, trace gravel (5%)	100	6.0/ 4.0		
6						
7	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, moist	100	5.0/ 2.0		
8						
9	SANDY CLAY	Brown, medium plasticity, soft, moist, little gravel (8%)	100	7.0/ 6.0		
10						
11	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, damp	100	47/ 52		Soil sample (12-14') collected at 17:05 and submitted for laboratory analysis Black staining and odor 13-13.5'
12						
13						
14	SILTY CLAY	Brown, high plasticity, medium stiff, wet	100			
15	CLAYEY SAND	Gray, fine grained, poorly graded, saturated	100	36/ 40		Groundwater at 14.5'
16						
17				20/ 25		
18	GRAVELLY SAND	Gray, coarse grained, loose, well graded, saturated, little clay (10%)	100	13/ 26		
19						
20						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-62	UTM Northing*: 1642203.747
	UTM Easting*: 202549.91
	Boring Location: NA
	Surface Elevation*: 752.839

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND	Brown, no clay	100	12/ 8.0		
21				9.0/ 7.0		
22				5.0/ 2.0		
23	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)	100	2.0/ 2.0		Soil sample (26-28') collected at 17:15 and submitted for laboratory analysis
24						
25						
26						
27						
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642202.79	UTM Easting*: 202649.09
Boring Location: NA	Surface Elevation*: 754.535

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND	(Fill) brown, damp				
1	CLAYEY SANDY GRAVEL	(Fill) black, some coal and coke	75	0.4/ 0.0		Odor 2-26'
2				120/ 490		
3	SILTY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	80	26/ 84		Soil sample (6-8') collected at 10:55 and submitted for laboratory analysis, BBSBD-7
4				96/ 380		
5				88/ 136		
6				40/ 100		
7	SAND	Gray, coarse grained, medium dense, well graded, saturated, some gravel	100	78/ 301		Groundwater at 14'
8				80/ 290		
9	SANDY CLAY	Gray, medium plasticity, soft, saturated	100	91/ 605		Sheen 14-15'
10				Stiff, damp		
11	SAND	Gray, medium plasticity, stiff, damp	100	60/ 290		
12				Gray, medium grained, damp		
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Cooper-Ark
Project Name: B&B Investigation	Driller: Ark
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642202.79	UTM Easting*: 202649.09
Boring Location: NA	Surface Elevation*: 754.535

BBSB-63

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY					
21	SANDY GRAVEL	Gray, coarse grained, medium dense, well graded, saturated	100	30/ 150		
22				22/ 140		
23				36/ 148		
24						
25						
26	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel	100			Soil sample (26-28') collected at 11:20 and submitted for laboratory analysis
27				1.4/ 2.6		
28						End of boring at 28'



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642200.459	UTM Easting*: 202749.86
Boring Location: NA	Surface Elevation*: 754.084

BBSB-64

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Damp, some coke				
1		(Fill) dark brown, damp, some gravel and sand		5.0/ 2.0		
2	SILTY CLAY		75	4.0/ 5.0		
3		Light brown, medium plasticity, medium stiff, damp, trace sand and gravel				
4		Greenish-gray				
5			75	4.0/ 8.0		Soil sample (4-6') collected at 10:10 and submitted for laboratory analysis
6						
7					4.0/ 2.0	
8						
9			Soft, moist		4.0/ 2.0	
10			Light brown, medium stiff, damp	100		
11					3.0/ 2.0	
12		Gray, soft, moist, increase in sand				
13				2.0/ 2.0		
14	GRAVELLY SAND	Gray and brown, coarse grained, medium dense, well graded, saturated	100			Groundwater at 14'
15	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (5%)		2.0/ 7.0		
16	SAND	Brown, fine grained, medium dense, poorly graded, saturated				Groundwater at 16'
17	SANDY CLAY	Gray, medium plasticity, medium stiff, trace gravel (5%)		3.0/ 2.0		
18			100			
19		Increasing sand			2.0/ 1.5	
20						



Project Number: JM1710.320	Date Drilled: 5/20/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Mike
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-64	UTM Northing*: 1642200.459
	UTM Easting*: 202749.86
Boring Location: NA	Surface Elevation*: 754.084

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY		100	1.0/ 1.0		Soil sample (22-24') collected at 10:20 and submitted for laboratory analysis
21						
22	SAND	Fine grained, damp Gray, medium plasticity, medium stiff, damp, trace gravel (5%)		1.0/ 1.0		End of boring at 24'
23	SANDY CLAY					
24						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642195.396	UTM Easting*: 203048.53
Boring Location: NA	Surface Elevation*: 754.262

BBSB-65

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	(Fill) damp				
1				15/ 7.0		
2	SANDY CLAY	Greenish-black, medium plasticity, soft, moist, trace gravel (8%)	75	8.0/ 7.0	█	Soil sample (2-4') collected at 15:45 and submitted for laboratory analysis
3		Brown				
4						
5						
6		Increase in sand 6-7'	75	7.0/ 6.0		
7				5.0/ 3.0		
8						
9				4.0/ 3.0		
10			100			
11				4.0/ 3.0		
12	GRAVELLY SAND	Brown, coarse grained, loose, well graded, saturated				Groundwater at 12'
13				8.0/ 2.0		
14	CLAYEY SAND	Brown, medium grained, medium dense, well graded, moist, little gravel (10%)	75	7.0/ 3.0		
15						
16	GRAVELLY SAND	Brown, coarse grained, loose, well graded, saturated	50	4.0/ 2.0		
17						
18						
19				4.0/ 2.0		
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642195.396	UTM Easting*: 203048.53
Boring Location: NA	Surface Elevation*: 754.262

BBSB-65

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		25	4.0/ 1.0		
21						
22						
23		Increase in gravel		3.0/ 1.0		
24	SILTY CLAY	Brown, low plasticity, stiff, damp, trace gravel (5%)	100	3.0/ 1.0		Soil sample (24-26') collected at 16:00 and submitted for laboratory analysis
25						
26	CLAYEY SAND	Brown, coarse grained, dense, well graded, moist		2.0/ 1.0		End of boring at 28'
27						
28						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642303.092	UTM Easting*: 202634.00
Boring Location: NA	Surface Elevation*: 754.469

BBSB-66

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Damp, some coal	75	2.0/ 12		Trace of white porous rock and brick
1						
2						
3	SANDY CLAY	(Fill) some gravel and coal	75	5.0/ 43		
4						
5	GRAVELLY SAND	(Fill) bluish-gray, some fill material, loose, medium grained, well graded, dry	75	8.0/ 8.0		
6						
7	CLAYEY SAND	(Fill) Greenish-brown, moist, some gravel and coal fragments	50	12/ 5.0		Odor 8-14'
8						
9						
10						
11	SAND	Black, soft	100	25/ 6.0		Soil sample (10-12') collected at 14:25 and submitted for laboratory analysis
12						
13	SAND	Brown, fine grained, medium dense, poorly graded, saturated	75	31/ 8.0		Wood flakes 12-14'
14						
15						
16	SAND		75	24/ 5.0		Groundwater at 14'
17						
18						
19	SAND	Medium grained, trace gravel	75	15/ 6.0		
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-66	UTM Northing*: 1642303.092
	UTM Easting*: 202634.00
Boring Location: NA	Surface Elevation*: 754.469

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Coarse grained, increase in rounded gravel	75	21/ 3.0		
21				20/ 4.0		
22				10/ 3.0		
23	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel (3%)	50	7.0/ 8.0	Soil sample (26-28') collected at 14:35 and submitted for laboratory analysis	End of boring at 28'
24						
25						
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642300.432	UTM Easting*: 202751.33
Boring Location: NA	Surface Elevation*: 753.966

BBSB-67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Coke, damp	75	28/ 2.0		Odor 4-12'
1						
2						
3				28/ 2.0		
4		Moist				
5	SILTY CLAY	Dark gray, high plasticity, soft, moist	75	30/ 7.0		
6						
7				30/ 9.0		
8	SAND	Fine grained, damp				Soil sample (8-10') collected at 11:40 and submitted for laboratory analysis
9	SILTY CLAY	Dark gray, high plasticity, medium stiff, moist	75	39/ 14		
10						
11				17/ 8.0		
12						
13	CLAYEY SAND	Brown and gray, medium grained, medium dense, well graded, saturated	50	6.0/ 2.0		Groundwater at 13'
14						
15	SANDY CLAY	Gray, medium plasticity, medium stiff, moist		3.0/ 1.0		
16						
17				2.0/ 1.0		
18	CLAYEY SAND	Gray, fine grained, soft, poorly graded, saturated	100			
19						
19	SANDY CLAY	Gray, medium plasticity, medium stiff, moist		3.0/ 2.0		
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642300.432	UTM Easting*: 202751.33
Boring Location: NA	Surface Elevation*: 753.966

BBSB-67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY		100	5.0/ 2.0		Soil sample (26-28') collected at 11:50 and submitted for laboratory analysis End of boring at 28'
21				3.0/ 1.0		
22	CLAYEY SILT	Gray, medium plasticity, medium stiff, moist	100	3.0/ 1.0		
23		Saturated				
24	SILTY CLAY	Brown, low plasticity, stiff, damp, trace gravel (5%)	100	3.0/ 1.0		
25				2.0/ 1.0		
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642297.886	UTM Easting*: 202851.62
Boring Location: NA	Surface Elevation*: 754.090

BBSB-68

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		(Fill) Moist, some coke and gravel				
1	SANDY CLAY		50	70/ 2.0		Odor 2-12'
2						
3				75/ 15		
4	SILTY CLAY	Greenish-gray, high plasticity, soft, moist, trace sand and gravel	100	78/ 32		Soil sample (10-12') collected at 10:40 and submitted for laboratory analysis, BBSBD-6
5						
6		Medium stiff		51/ 33		
7						
8						
9				70/ 115		
10			100	75/ 120		
11						
12		Brown, soft				
13		Gray		60/ 85		
14			75			
15				42/ 56		
16	SAND	Light brown, medium grained, medium dense, poorly graded, saturated				Groundwater at 16'
17				22/ 14		
18	SILTY CLAY	Gray, medium plasticity, stiff, moist, trace sand and gravel	100			
19				18/ 10		
20						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-68	UTM Northing*: 1642297.886
	UTM Easting*: 202851.62
	Boring Location: NA
	Surface Elevation*: 754.090

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY		100	10/ 3.0		Groundwater at 22'
21				6.0/ 2.0		
22	SAND	Gray, fine grained, medium dense, poorly graded, saturated, trace gravel	100	7.0/ 2.0		Soil sample (26-28') collected at 10:50 and submitted for laboratory analysis
23						
24						
25	SILTY CLAY	Light brown, medium plasticity, medium stiff, moist, trace gravel (5%)	100	2.0/ 2.0		End of boring at 28'
26						
27						
28						



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1642296.668	UTM Easting*: 202951.27
Boring Location: NA	Surface Elevation*: 755.552

BBSB-69

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	SANDY CLAY	(Fill) damp, some coke and gravel	75	50/ 40		Odor 4-18'	
1				85/ 500			
2							
3	SILTY CLAY	Greenish-gray, high plasticity, soft, moist, trace sand and gravel	75	40/ 170		Soil sample (12-14') collected at 9:30 and submitted for laboratory analysis	
4							40/ 200
5							
6							
7							
8							
9							35/ 160
10							50
11							35/ 215
12							
13		65/ 515					
14		Increase in sand and gravel	75				
15				22/ 300			
16		Gray, medium stiff					
17				17/ 140			
18	SAND	Gray, medium grained, medium dense, well graded, saturated, trace clay and gravel	75			Groundwater at 18'	
19							22/ 80
20							



Project Number: JM1710.320	Date Drilled: 5/16/2013
Client Name: Citizens Energy Group	Personnel: M.Oslos-Ark
Project Name: B&B Investigation	Driller: EFS - Zach
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
BBSB-69	UTM Northing*: 1642296.668
	UTM Easting*: 202951.27
Boring Location: NA	Surface Elevation*: 755.552

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Fine grained, no gravel	100	26/ 45		
21						
22		Medium grained, trace gravel		13/ 27		
23						
24						
25			100	10/ 13		
26						
27				10/ 7.0		
28						
29		Brown		5.0/ 5.0		
30	SILTY CLAY	Gray, low plasticity, stiff, trace gravel (5%)	100			Soil sample (30-32') collected at 9:40 and submitted for laboratory analysis
31						
32						

	Project Number: JO1360.370	Date Drilled: 9/22/2014
	Client Name: Citizens Energy Group	Personnel: M.Cooper
	Project Name: Prospect - B&B	Driller: EFS
	Drilling Method: Geoprobe	Driller License: NA
BBSB-70	Site Address: Indianapolis, Indiana	GW Sample Method: NA
	UTM Northing*: 1641562.38	UTM Easting*: 201931.26
	Boring Location: NA	Surface Elevation*: 749.27

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Gravel, black, dry, with sand and clay	100	NA/ 2.2			Fill material (0-18')
1		Brown, low plasticity, medium stiff, damp		NA/ 2.6			Coal fragments (0-3')
2	SANDY CLAY	Brown, medium grained, medium dense, poorly graded, damp	50	NA/ 2.4			
3				NA/ 2.4			
4	SAND	Dark gray, fine grained, medium dense, poorly graded, moist	90	NA/ 4.4			Brick (7.5') 6" of white rock/sandstone (7.5-8') Soil sample BBSB-70 (8-10') collected 9-23-14 at 1336, Dup BBSB-D2 collected
5				NA/ 2.2			
6	CLAYEY SAND	Saturated	100	NA/ 5.7			Groundwater (12-15')
7				NA/ 58			Product (13.5-14.5')
8	SAND	Dark gray, medium grained, dense, poorly graded, saturated	50	NA/ 77			Soil sample BBSB-70 (16-18') collected at 1040, VOCs only, not enough volume for full list
9				NA/ 36			
10	GRAVELLY SAND	Light gray, medium grained, dense, well graded, damp	50	NA/ 36			Wood fragments with creosote odor (18')
11				NA/ 36			Groundwater (19-27')
12	SAND	Dark gray, low plasticity, stiff, damp	50	NA/ 36			
13				NA/ 36			
14	SAND	Dark gray, coarse grained, loose, well graded, saturated	50	NA/ 36			
15				NA/ 36			
16	GRAVELLY SAND	Dark gray, coarse grained, loose, well graded, saturated	50	NA/ 36			
17				NA/ 36			
18	SAND	Dark gray, coarse grained, loose, well graded, saturated	50	NA/ 36			
19				NA/ 36			
20	GRAVELLY SAND	Dark gray, coarse grained, loose, well graded, saturated	50	NA/ 36			
21				NA/ 36			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641562.38	UTM Easting*: 201931.26
Boring Location: NA	Surface Elevation*: 749.27

BBSB-70

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		30	NA/ 11			Soil sample BBSB-70 (26-28') collected at 1100, Dup BBSB-D1 collected
21				NA/ 9.0			
22	GRAVEL	Dark gray, coarse grained, loose, well graded, saturated	100	NA/ 35			
23				NA/ 92			
24							
25	CLAYEY SAND	Dark gray, medium grained, dense, well graded, moist	100	NA/ 15			
26				NA/ 36			
27	SILTY CLAY	Gray, low plasticity, hard, dry	100				Soil sample BBSB-70 (30-32') collected at 1115 End of boring at 32'
28							
29							
30							
31							
32							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641579.53	UTM Easting*: 201827.17
Boring Location: NA	Surface Elevation*: 746.67

BBSB-71

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	CONCRETE						
1	STONE	Crushed		NA/ 3.1			
2	SAND	Fill material, dark brown and black, medium grained, loose, well graded, damp	25	NA/ 2.2			
3							
4							
5			30	NA/ 1.9			
6							
7	SANDY GRAVEL	Black, coarse grained, well graded, wet		NA/ 41			Very little product (7-8')
8	CLAYEY SAND	Brown, fine grained, dense, poorly graded, moist					
9	SILTY CLAY	Dark gray, medium plasticity, medium stiff, damp		NA/ 189			
10	SANDY GRAVEL	Black, coarse grained, dense, well graded, wet	40				
11		Gray, low plasticity, stiff, damp, trace gravel			NA/ 52		
12	SILTY CLAY	Hard, dry	100	NA/ 409			Soil sample BBSB-71 (12-14') collected at 1300, BBSB-MS1/BBSB-MSD1 collected
13							
14							
15							
16							
17			100	NA/ 8.3			
18							
19					NA/ 9.5		
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641579.53	UTM Easting*: 201827.17
Boring Location: NA	Surface Elevation*: 746.67

BBSB-71

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	NA/ 4.7			Soil sample BBSB-71 (26-28') collected at 1325 End of boring at 28'
21				NA/ 6.2			
22			100	NA/ 6.1			
23							
24							
25		Damp					
26		dry		NA/ 4.5			
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/23/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641570.67	UTM Easting*: 201875.76
Boring Location: NA	Surface Elevation*: 748.67

BBSB-72

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Fragments	100	NA/ 0.5			Fill material (0-11')
1				NA/ 0.6			
2	SANDY CLAY	Brown, low plasticity, soft, moist	50	NA/ 0.9			Brown wood fragments (7.5-8')
3				NA/ 0.9			
4				NA/ 3.2			
5				NA/ 2.7			
6	COAL	Crushed, some gravel and sand, black, moist	90	NA/ 111			Soil sample BBSB-72 (10-12') collected at 1010, MS/MSD collected
7	SANDY CLAY	Dark gray, low plasticity, soft, moist		NA/ 18			
8	SAND	Dark gray, fine grained, medium dense, poorly graded, wet	80	NA/ 9.7			Yellow brown product (13-14')
9	SANDY GRAVEL	Dark gray, coarse grained, medium dense, well graded, saturated		NA/ 18			
10				NA/ 7.5			
11	GRAVEL	Black, coarse grained, loose, well graded, saturated	100	NA/ 7.5			Groundwater (13-21')
12				BMW-30 screened (12-22')			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/23/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641570.67	UTM Easting*: 201875.76
Boring Location: NA	Surface Elevation*: 748.67

BBSB-72

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20							
21				NA/ 4.4			
22	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	NA/ 12.4			
23							
24							
25							
26			100	NA/ 5.4			Soil sample BBSB-72 (26-28') collected at 1015
27							
28							End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1360.370	Date Drilled: 9/23/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - B&B	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641575.92	UTM Easting*: 201836.08
Boring Location: NA	Surface Elevation*: 747.07

BBSB-73

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	CONCRETE						
1	STONE	Crushed		NA/ 10.9			
2	SAND	Fill material, dark brown and black, coarse grained, loose, well graded, damp	40	NA/ 5.0			
3		Some clay					
5		Fill material, dark brown and black, coarse grained, loose, well graded, damp	30	NA/ 5.7			
6		Some clay					
7	Fill material, dark brown and black, coarse grained, loose, well graded, damp		NA/ 6.4				
8	CLAYEY SAND	Brown, fine grained, dense, poorly graded, moist	30	NA/ 4.0			Groundwater (10-12')
10		Black, coarse grained, dense, poorly graded, saturated					
11	SANDY GRAVEL			NA/ 119			
12	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	NA/ 357			4" Reddish brown product on clay
14							
15		Hard					
16							End of boring at 16'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640927.16	UTM Easting*: 201565.40
Boring Location: SW. corner of property	Surface Elevation*: 745.420

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some grass, topsoil, and organics				
1		Dark brown, medium stiff, moist, trace sand		70/ 0.0		
2	SILTY CLAY	Dark brown, medium stiff, moist, trace sand	50	90/ 0.0		Brick fragments and gravel
3						
4						
5			100/ 1.0			
6			60	140/ 2.0		
7		Increased sand				
8	GRAVELLY SAND	Brown, loose, saturated	50	80/ 0.0		Groundwater at 10'
9				80/ 1.0		
10						
11			60	90/ 1.0		
12				95/ 1.0		
13						
14	80	95/ 1.0				
15		21/ 1.0				
16		Gray, medium stiff, damp				
17	SILTY CLAY					
18						
19						
20						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640927.16	UTM Easting*: 201565.40
Boring Location: SW. corner of property	Surface Elevation*: 745.420

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY	Stiff	100	15/ 0.0		Installed monitoring well screen 23-28'
21				20/ 2.0		
22	GRAVELLY SAND	Brown, loose, saturated	100	15/ 1.0		Soil sample (26-28') collected at 9:30 and submitted for laboratory analysis
23				12/ 1.0		
24	SILTY CLAY	Gray, hard, damp	100			End of boring at 28'
25						
26						
27						
28						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640911.7	UTM Easting*: 201868.76
Boring Location: 120' E. of BBSB-87	Surface Elevation*: 751.560

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some grass and topsoil				
1	SILTY CLAY	Brown, soft, moist, trace sand		1.0/ 0.0		
2			100			
3		Brown, loose, damp		3.0/ 0.0		
4						
5	SAND			4.0/ 0.0		
6			100			
7				10/ 1.0		
8						
9	SILTY CLAY	Tannish brown, medium stiff, damp		12/ 1.0		
10			100			Soil sample (10-12') collected at 14:30 and submitted for laboratory analysis, MS/MSD
11		Brown, loose, damp, trace gravel		16/ 1.0		
12	SAND					Installed monitoring well screen 12-32'
13		Increased gravel		8.0/ 1.0		
14			100			
15		Brown, loose, saturated		6.0/ 1.0		Groundwater at 14.5'
16						
17	GRAVELLY SAND			7.0/ 1.0		
18			100			
19				3.0/ 1.0		
20						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640911.7	UTM Easting*: 201868.76
Boring Location: 120' E. of BBSB-87	Surface Elevation*: 751.560

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
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20	GRAVELLY SAND		100	4.0/ 1.0		
21				4.0/ 1.0		
22				4.0/ 1.0		
23	GRAVEL	Brown, loose, angular, saturated	100	3.0/ 1.0		
24				3.0/ 1.0		
25	GRAVELLY SAND	Brown, loose, saturated	100	3.0/ 1.0		
26				3.0/ 1.0		
27				3.0/ 1.0		
28	GRAVELLY SAND		100	3.0/ 1.0		
29				3.0/ 1.0		
30	GRAVELLY SAND		100	3.0/ 1.0		Soil sample (31-32') collected at 15:00 and submitted for laboratory analysis
31				3.0/ 1.0		
32	SILTY CLAY	Gray, very hard, damp				End of boring at 32'



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640909.89	UTM Easting*: 201678.67
Boring Location: ~100' E. of BBSB-85	Surface Elevation*: 745.820

BBSB-87

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some asphalt				
1	SILTY CLAY	Black, medium stiff, damp	50	11/ 1.0		
2		Brown, soft, moist, trace sand		45/ 1.0		
3		Brown, stiff, moist		43/ 1.0		
4	SANDY SILTY CLAY	Brown, soft, moist	100	75/ 4.0		Soil sample (6-8') collected at 16:00 and submitted for laboratory analysis
5						
6	SAND	Brown, medium grained, medium dense, saturated	80	50/ 2.0		Groundwater at 10'
7						
8	GRAVELLY SAND	Brown, loose, saturated	100	40/ 2.0		
9				40/ 2.0		
10				30/ 2.0		
11	SANDY SILTY CLAY	Gray, medium stiff, damp, trace gravel	100	5.0/ 1.0		
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640909.89	UTM Easting*: 201678.67
Boring Location: ~100' E. of BBSB-85	Surface Elevation*: 745.820

BBSB-87

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SAND	Brown, loose, saturated	100	50/ 4.0		
21				50/ 3.0		
22	SANDY SILTY CLAY	Gray, soft, medium stiff, moist	10	NA/NA		Not enough recovery to field screen
23				NA/NA		
24				NA/NA		
25	GRAVELLY SAND	Gray, very loose, saturated	100	10/ 1.0		
26				7.0/ 1.0		
27	SILTY CLAY	Greenish gray, very hard, damp				Soil sample (30-32') collected at 17:00 and submitted for laboratory analysis
28						End of boring at 32'
29						
30						
31						
32						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640991.93	UTM Easting*: 201589.83
Boring Location: 75' N-NE of BBSB-85	Surface Elevation*: 746.780

BBSB-88

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some asphalt				
1		Black, medium stiff, damp		NA/NA		
2	SILTY CLAY	Brown, medium stiff to soft, damp	50	3.0/ 1.0		
3				3.0/ 1.0		
4		50	3.0/ 1.0			
5			3.0/ 1.0			
6	CLAYEY SAND	Brown, loose, moist, trace gravel	60	3.0/ 1.0		
7				3.0/ 1.0		
8				3.0/ 1.0		
9	CLAYEY SAND	Brown, loose, moist, trace gravel	60	3.0/ 1.0		
10				7.0/ 7.0		Soil sample (10-12') collected at 10:30 and submitted for laboratory analysis
11	GRAVELLY SAND	Brownish tan, loose, saturated	50	10/ 5.0		
12				10/ 5.0		Groundwater at 12'
13				5.0/ 7.0		
14				5.0/ 7.0		
15				3.0/ 8.0		
16	GRAVELLY SAND	Brownish tan, loose, saturated	80	5.0/ 7.0		
17				5.0/ 7.0		
18				3.0/ 8.0		
19				3.0/ 8.0		
20						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640991.93	UTM Easting*: 201589.83
Boring Location: 75' N-NE of BBSB-85	Surface Elevation*: 746.780

BBSB-88

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	5.0/ 7.0		
21				4.0/ 6.0		
22				4.0/ 0.0		
23	SILTY CLAY	Gray, hard, damp		3.0/ 1.0		
24						
25	GRAVELLY SAND	Brown, loose, wet	100	3.0/ 1.0		
26						
27	SILTY CLAY	Gray, hard, damp		3.0/ 1.0		Soil sample (27-28') collected at 11:00 and submitted for laboratory analysis End of boring at 28'
28						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640975.33	UTM Easting*: 201832.56
Boring Location: ~75' N-NW of BBSB-86	Surface Elevation*: 749.970

BBSB-89

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	FILL MATERIAL	Some grass and topsoil				
1	SILTY CLAY	Light brown, medium stiff, damp	100	1.0/ 0.0		
2						
3	SANDY CLAY	Light brown, soft, moist	80	1.0/ 1.0		
4						
5	SAND	Brown, medium loose, damp	80	1.0/ 1.0		
6						
7	GRAVELLY SAND	Brown, medium loose, damp	80	1.0/ 1.0		
8						
9			3.0/ 1.0	80		Soil sample (10-12') collected at 13:00 and submitted for laboratory analysis
10						
11			4.0/ 1.0	20		
12						
13			2.0/ 1.0	80		Groundwater at 16'
14						
15			1.0/ 1.0	80		
16						
17		Saturated		3.0/ 1.0		
18				3.0/ 1.0		
19				3.0/ 1.0		
20						



Project Number: JL0633.320	Date Drilled: 5/16/2011
Client Name: Citizens Energy Group	Personnel: B. Hoffer
Project Name: B&B Investigation	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: 1640975.33	UTM Easting*: 201832.56
Boring Location: ~75' N-NW of BBSB-86	Surface Elevation*: 749.970

BBSB-89

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	2.0/ 3.0		Could not collect (24-28') to field screen
21				2.0/ 4.0		
22			10	NA/NA		
23				NA/NA		
24			100	2.0/ 1.0		
25	1.0/ 1.0					
26	SILTY CLAY	Gray, hard, dry				Soil sample (30-32') collected at 13:30 and submitted for laboratory analysis, Dup-1
27						End of boring at 32'
28						
29						
30						
31						
32						



Project Number: JP1079.380	Date Drilled: 6/22/2015
Client Name: Citizens Energy Group	Personnel: TL & SO
Project Name: Benzol Building	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: 18' from East edge of foundation	Surface Elevation*: NA

BBSB-90

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	CONCRETE						End of boring at 33" - Refusal
1	NO RECOVERY		0	NA/ NA			
2							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1079.380	Date Drilled: 6/22/2015
Client Name: Citizens Energy Group	Personnel: TL & SO
Project Name: Benzol Building	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: 12' from East edge of foundation	Surface Elevation*: NA

BBSB-91

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	CONCRETE		5	0.3/ 2.30			Hollow Stem Auger to 29"
1	SAND	Brown, coarse grained, loose, well graded, rounded, damp					
2	CONCRETE		60	0.1/ 3.6			Strong odor and black staining (6-10')
3	SANDY GRAVEL	Some concrete					
4	GRAVEL	Saturated, some coke fragments					
5	SILTY CLAY	Black, medium grained, poorly graded, rounded, damp	60	16.3/ 73.00			End of boring at 10'
6		Increasing sand, decreasing staining					
7							
8							
9				25.4/ 115.00			
10							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number:	JP1079.380	Date Drilled:	6/22/2015
Client Name:	Citizens Energy Group	Personnel:	TL & SO
Project Name:	Benzol Building	Driller:	EFS
Drilling Method:	Geoprobe	Driller License:	NA
Site Address:	2950 Prospect Street	GW Sample Method:	NA
UTM Northing*:	NA	UTM Easting*:	NA
Boring Location:	31' from East edge of foundation	Surface Elevation*:	NA

BBSB-92

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	CONCRETE	Some sand	10	0.40/ 3.00			Hollow Stem Auger to 30"
1							
2	GRAVEL	Black, coarse grained, loose, some coke fragments	50	0.50/ 5.10			Odor and staining (4-13')
3							
4	SILTY CLAY	Black, low plasticity, soft, wet, trace gravel	50	0.2/ 9.0			
5							
6							
7							
8		Increasing sand	50	1.4/ 29.0			
9							
10							
11			1.8/ 100.0				
12			0.7/ 31.0				
13		Brown, no more staining		0.3/ 7.0			End of boring at 15'
14							
15							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number:	JP1079.380	Date Drilled:	6/22/2015
Client Name:	Citizens Energy Group	Personnel:	TL & SO
Project Name:	Benzol Building	Driller:	EFS
Drilling Method:	Geoprobe	Driller License:	NA
Site Address:	2950 Prospect Street	GW Sample Method:	NA
UTM Northing*:	NA	UTM Easting*:	NA
Boring Location:	NW corner of Benzol building	Surface Elevation*:	NA

BBSB-93

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Concrete, coke, and gravel	5	0.6/ 5.4			Odor, staining, and sheen (5-10')
1				0.6/ 5.4			
2				0.6/ 5.4			
3	SANDY GRAVEL	Black, coarse grained, loose, well graded, angular, saturated	NA	2.4/ 5.6			
4				2.7/ 19.9			
5				2.6/ 42.0			
6				1.1/ 59.0			
7				4.4/ 39.0			
8				1.0/ 27.0			
9							
10							
11							
12							
13							
14							
15						End of boring at 15'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1079.380	Date Drilled: 6/22/2015
Client Name: Citizens Energy Group	Personnel: TL & SO
Project Name: Benzol Building	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: 19' to the East of foundation edge	Surface Elevation*: NA

BBSB-94

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	GRAVEL	Some coke	60	0.4/ 6.0			Coke fragments (2-3')
1		Black, coarse grained, loose, well graded, rounded, damp, coke fragments		0.2/ 29.0			
2	GRAVELLY SAND		10	1.9/ 44.0			Odor and staining (2-14')
3				2.7/ 93.0			
4				2.7/ 92.0			
5				2.6/ 61.0			
6	SAND	Increasing sand, decreasing gravel density	30	2.1/ 43.2			Staining stops (14-19')
7				0.7/ 9.4			
8				0.9/ 7.2			
9				1.1/ 23.0			
10				NA			
11				NA			
12	NA						
13	NA						
14	NA						
15	NA						
16	NA						
17	NA						
18	NA						
19	NA						
20	NA						

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number:	JP1079.380	Date Drilled:	6/22/2015
Client Name:	Citizens Energy Group	Personnel:	TL & SO
Project Name:	Benzol Building	Driller:	EFS
Drilling Method:	Geoprobe	Driller License:	NA
Site Address:	2950 Prospect Street	GW Sample Method:	NA
UTM Northing*:	NA	UTM Easting*:	NA
Boring Location:	19' to the East of foundation edge	Surface Elevation*:	NA

BBSB-94

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND	Gray, coarse grained, well graded	NA	0.3/ 11.0			No staining and no odor at 20.5'
21							
22							
23		Brown		0.1/ 12.32			
24				0.0/ 10.4			
25							End of boring at 25'

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* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1079.380	Date Drilled: 6/22/2015
Client Name: Citizens Energy Group	Personnel: TL & SO
Project Name: Benzol Building	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: 48' to the East of foundation edge	Surface Elevation*: NA

BBSB-95

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	GRAVEL	Coarse grained, some fill material	50	0.4/ 6.2			
1							
2							
3				1.2/ 6.3			
4							
5		Red brick fragments		0.6/ 6.3			
6	SILTY CLAY	Black stained, tar material	60	16.7/ 18.3			Odor (6-20')
7		Concrete/gravel fragments, whitish gray					
8		Grayish brown, fine grained, soft, damp					
9			47.9/ 19.3				
10							
11			113/ 163				
12		Brown	60	85.2/ 76.3			
13							
14				78.3/ 63.1			
15	Saturated						
16	Increasing sand						
17			70	977/ 2,102			
18							Staining at 18'
19				33/ 300			
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number:	JP1079.380	Date Drilled:	6/22/2015
Client Name:	Citizens Energy Group	Personnel:	TL & SO
Project Name:	Benzol Building	Driller:	EFS
Drilling Method:	Geoprobe	Driller License:	NA
Site Address:	2950 Prospect Street	GW Sample Method:	NA
UTM Northing*:	NA	UTM Easting*:	NA
Boring Location:	48' to the East of foundation edge	Surface Elevation*:	NA

BBSB-95

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY	Brown	80	3.6/ 19.3			No staining and no odor at 20' End of boring at 25'
21				1.5/ 14.1			
22				6.8/ 11.0			
23							
24							
25							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.

	Project Number: JP1904.320	Date Drilled: 1/19/2016
	Client Name: Citizens Energy Group	Personnel: T. Litwiller
	Project Name: PRC Investigation	Driller: EFS - K. Nagle
	Drilling Method: Geoprobe Direct Push	Driller License: WV00554
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-96/BBMW-31	UTM Northing*: 1641968.91	UTM Easting*: 202202.77
	Boring Location: W. end of oxide pad along bank	Surface Elevation*: 747.32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Sandy clay, brown to black	40	0.4/ 0.0			
1				5.3/ 0.0			
2	SILTY CLAY	Black, medium plasticity, soft, moist	50	2.8/ 0.0			Black staining and odor
3				4.9/ 0.1			
4				5.8/ 0.1			
5				80.0/ 0.6			
6				Some sand and gravel			
7	SANDY CLAY	Low plasticity, medium stiff, wet	60	24.1/ 2.7			Saturated at 13'
8	GRAVELLY SAND	Brownish gray, coarse grained, well graded, saturated		50.1/ 1.8			
9			8.1/ 0.0				
10			7.9/ 3.1				
11							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1904.320	Date Drilled: 1/19/2016
Client Name: Citizens Energy Group	Personnel: T. Litwiller
Project Name: PRC Investigation	Driller: EFS - K. Nagle
Drilling Method: Geoprobe Direct Push	Driller License: WV00554
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-96/BBMW-31	UTM Northing*: 1641968.91
	UTM Easting*: 202202.77
Boring Location: W. end of oxide pad along bank	Surface Elevation*: 747.32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		70	9.3/ 5.6			
21				4.0/ 3.4			
22	SILTY CLAY	Gray, medium plasticity, very stiff, damp, trace gravel	60	3.7/ 2.1			Soil sample BBSB-96 (24-26') collected at 1030
23				NA			
24							
25							
26							
27							
28							End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.

	Project Number: JP1904.320	Date Drilled: 1/19-20/2016
	Client Name: Citizens Energy Group	Personnel: T. Litwiller
	Project Name: PRC Investigation	Driller: EFS - K. Nagle
	Drilling Method: Geoprobe Direct Push	Driller License: WV00554
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-97/BBMW-32	UTM Northing*: 1642056.21	UTM Easting*: 202311.06
	Boring Location: Center of oxide pad along bank	Surface Elevation*: 747.03

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Silty clay, black	30	56.8/ 6.3			Brick fragments and gravel at 2'
1				15.9/ 0.1			
2				2.4/ 0.0			
3	SILTY CLAY	Black, low plasticity, medium stiff, damp, trace gravel	50	1.2/ 0.0			Brick fragments, gravel, and slight odor at 6'
4				7.4/ 2.1			
5	SANDY CLAY	Brown, fine to medium grained, medium dense, poorly graded, moist, trace gravel	30	1.6/ 0.8			Well screen set (10-25')
6				1.1/ 1.0			
7	SILTY CLAY	Gray, low plasticity, medium stiff, damp, some sand	70	0.8/ 0.2			Saturated at 15'
8				3.2/ 0.8			
9	SILTY SAND	Gray, medium grained, medium dense, well graded, moist	70	2.0/ 0.5			
10				1.1/ 1.0			
11	GRAVELLY SAND	Gray, medium grained, loose, well graded, wet	100	2.0/ 0.5			
12				Coarse grained			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1904.320	Date Drilled: 1/19-20/2016
Client Name: Citizens Energy Group	Personnel: T. Litwiller
Project Name: PRC Investigation	Driller: EFS - K. Nagle
Drilling Method: Geoprobe Direct Push	Driller License: WV00554
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-97/BBMW-32	UTM Northing*: 1642056.21
	UTM Easting*: 202311.06
Boring Location: Center of oxide pad along bank	Surface Elevation*: 747.03

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		50	0.1/ 0.0			
21				0.1/ 1.0			
22	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	50	0.1/ 1.0			
23				0.2/ 1.3			
24	SANDY CLAY	Gray, low plasticity, medium stiff, moist, few gravel	50	0.1/ 1.0			
25				0.1/ 1.0			
26	SANDY CLAY	Brown	50	0.2/ 1.3			
27				0.1/ 1.0			
28	SILTY CLAY	Gray, low plasticity, stiff, damp					Soil sample BBSB-97 (26-28') collected at 1010 End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1904.320	Date Drilled: 1/20/2016
Client Name: Citizens Energy Group	Personnel: T. Litwiller
Project Name: PRC Investigation	Driller: EFS - K. Nagle
Drilling Method: Geoprobe Direct Push	Driller License: WV00554
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1642129.90	UTM Easting*: 202395.95
Boring Location: E. end of oxide pad along bank	Surface Elevation*: 746.55

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Sand, brown	30	4.7/ 0.2			Brick and gravel
1		Black		280.3/ 84.0			Black staining and odor Soil sample BBSB-98 (2-4') collected at 1520
2							
3	SANDY CLAY	Brownish black, low plasticity, soft, damp, some gravel Black	50	158.0/ 15.6			Strong odor, sheen, yellow/brown product (7-16')
4				119.0/ 22.9			
5							
6	SILTY CLAY	Black, low plasticity, soft, moist, some sand and gravel	50	265.0/ 74.2			Well screen set (10-25')
7				105.0/ 1.2			
8	GRAVELLY SAND	Black, medium grained, well graded, saturated	10	14.5/ 1.2			
9				51.0/ 9.0			
10			80	10.0/ 0.5			
11	12.0/ 0.9						
12	SANDY CLAY	Blackish brown, wet					
13	GRAVELLY SAND	Black, medium grained, well graded					
14							
15							
16							
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP1904.320	Date Drilled: 1/20/2016
Client Name: Citizens Energy Group	Personnel: T. Litwiller
Project Name: PRC Investigation	Driller: EFS - K. Nagle
Drilling Method: Geoprobe Direct Push	Driller License: WV00554
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1642129.90	UTM Easting*: 202395.95
Boring Location: E. end of oxide pad along bank	Surface Elevation*: 746.55

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	16.9/ 2.1			
21							
22							
23		Brownish gray		1.3/ 0.7			
24	SILTY CLAY	Gray, low plasticity, medium stiff, moist, few gravel					
25	GRAVELLY SAND	Gray, medium grained, well graded, wet, some clay		0.6/ 0.2			
26			100				
27	SILTY CLAY	Gray, medium plasticity, stiff, moist		0.3/ 0.1			Soil sample BBSB-98 (26-28') collected at 1235
28							End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/2/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641170.99	UTM Easting*: 201922.83
Boring Location: BBSB-128/BBMW-34	Surface Elevation*: 749.47

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Asphalt/concrete, light gray, medium grained, loose, well graded, damp, some gravelly sand	100	0.2/ 0.0			
1		Dark gray					
2		(Sand), tan, medium grained, very loose, well graded, dry, some gravel		0.3/ 0.0			
3			80	0.6/ 0.0			
4		Tan and orange, fine grained					
5			75	0.2/ 0.0			
6							
7		Tan and beige, damp		0.6/ 0.0			
8			50	0.2/ 0.0			
9		Interbedded clay layers					
10		10	0.5/ 0.0				
11	(Sand), tan, medium grained, very loose, well graded, dry, some gravel						
12	Interbedded clay layers		0.3/ 0.0				
13	GRAVELLY SAND	Brown, coarse grained, medium dense, well graded, saturated	10	0.1/ 0.0	Well screen set at (13-23')		Saturated at 16'
14		Dark brown					
15			0.3/ 0.0				
16							
17							
18							
19							
20							

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Project Number: JR0576.359	Date Drilled: 5/2/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641170.99	UTM Easting*: 201922.83
Boring Location: BBSB-128/BBMW-34	Surface Elevation*: 749.47

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
20	GRAVELLY SAND		60	0.3/ 0.0				
21								
22								
23								
24								
25	SILTY CLAY	Gray, high plasticity, very stiff, moist	2	0.3/ 0.0			Switched to macro core (27.5-32')	
26								
27								
28								
29								
30								Medium plasticity, damp
31								
32								
			45	0.2/ 0.0				
				0.1/ 0.0			End of boring at 32'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/2/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641239.74	UTM Easting*: 202372.52
Boring Location: BBSB-129/BBMW-35	Surface Elevation*: 752.05

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	FILL MATERIAL	(Gravelly sand), light gray, medium grained, loose, well graded, damp	35	0.2/ 0.0			Cement at 0.5'	
1							Red brick at 1'	
2								
3				1.9/ 0.0				
4	SILTY SAND	Brown, coarse grained, loose, well graded, wet, trace gravel	50	0.3/ 0.0			Slight odor at 4'	
5								Well screen set at (5-15')
6								
7				0.2/ 0.0				
8		Saturated						Saturated at 8'
9							0.3/ 0.0	
10			65					
11				0.2/ 0.0				
12		Fine grained						
13				0.3/ 0.0				
14			45					
15				0.5/ 0.0				
16								
17	SILTY CLAY	Dark gray, low plasticity, medium stiff, damp	90	0.4/ 0.0				
18		Hard						
19							0.4/ 0.0	
20							End of boring at 20'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/1/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641391.42	UTM Easting*: 202140.98
Boring Location: BBSB-130/BBMW-36	Surface Elevation*: 749.38

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 1	FILL MATERIAL	(Gravelly sand), black, medium grained, very loose, well graded, damp	75	0.2/ 0.0			Rock, brick, and cement fragments at 1'
1 - 2		Dark brown, medium plasticity, soft, moist, some sand		0.3/ 0.0			
2 - 4	SILTY CLAY	Dark brown/black	60	15.9/ 0.0			Coke fragments at 4' Rock fragments at 5'
4 - 6				0.4/ 0.0			
6 - 8		Wet		0.4/ 0.0			
8 - 11				0.5/ 0.0			
11 - 13	GRAVELLY SAND	Brown/tan/orange, medium grained, loose, well graded, wet	50	0.4/ 0.1			Well screen set at (13-23')
13 - 16				1.2/ 0.8			
16 - 18		Light brown, saturated		0.9/ 0.0			
18 - 20		Gray		0.4/ 0.0			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/1/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641391.42	UTM Easting*: 202140.98
Boring Location: BBSB-130/BBMW-36	Surface Elevation*: 749.38

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SAND	Brown, fine grained, loose, poorly graded, saturated, trace gravel	65	0.3/0.0			
21		Orange brown, medium grained, loose, well graded, saturated		0.2/0.0			
22	GRAVELLY SAND	Gray	60	0.5/0.0			
23							
24	SILTY CLAY			2.2/0.0			
25		Gray, low plasticity, very stiff, damp, trace sand					
26							End of boring at 28'
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641403.67	UTM Easting*: 202581.50
Boring Location: BBSB-131/BBMW-37	Surface Elevation*: 754.14

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 6	FILL MATERIAL	(Gravelly sand), brown, medium grained, loose, well graded, damp	60	0.1/ NM			Rock fragments at 0.5' Cement and coke fragments at 1'
6 - 8	SILTY SAND	Light brown, loose, poorly graded, moist	80	0.5/ NM			NM = Not measured; FID malfunctioned
8 - 9		Saturated					Rock fragments at 5'
9 - 13	GRAVELLY SAND	Light brown, medium grained, loose, well graded, saturated, some silt	90	1.2/ NM			Well screen set at (5-15')
13 - 14		Medium grained	80	0.9/ NM			Saturated at 8'
14 - 17				1.6/ NM			
17 - 18	SILTY SAND	Brown, fine grained, medium dense, poorly graded, wet	100	1.0/ NM			
18 - 19				0.4/ NM			
19 - 20				0.7/ NM			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-131/BBMW-37	UTM Northing*: 1641403.67
	UTM Easting*: 202581.50
	Boring Location: BBSB-131/BBMW-37
	Surface Elevation*: 754.14

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND		100	1.5/ NM			
21				1.8/ NM			
22				Moist			
23				1.8/ NM			
24				0			
25	NA/ NM						
26	0						
27	NA/ NM						
28	SILTY SAND	Gray, medium grained	100	0.7/ NM			Switched to macro core (28-32')
29				0.7/ NM			
30				0.5/ NM			
31	SILTY CLAY	Gray, low plasticity, hard, damp					End of boring at 32'
32							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/2/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641447.71	UTM Easting*: 202963.37
Boring Location: BBSB-132/BBMW-38	Surface Elevation*: 756.33

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 3	FILL MATERIAL	(Gravelly sand), black, medium grained, loose, well graded, damp	90	183/ 44.7			Cement fragments at 1' Brick fragments at 1.5' Coke fragments at 2'
3 - 11	SILTY CLAY	Low plasticity, soft, moist, brown mottling		8.9/ 3.1			Odor and sheen at 3'
11 - 16	SILTY SAND	Reddish brown, medium grained, very loose, poorly graded, wet Saturated Increasing sand	70	1.4/ 0.5			Well screen set at (6-16') Saturated at 12'
16 - 18	SILTY CLAY	Gray, low plasticity, hard, damp		1.5/ 0.0			
18 - 19			50	1.6/ 0.0			
19 - 20				1.4/ 0.0			
20			100	1.2/ 0.0			End of boring at 20'
				0.9/ 0.0			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641522.98	UTM Easting*: 202623.64
Boring Location: BBSB-133/BBMW-39	Surface Elevation*: 753.41

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Gravelly sand), black, medium grained, loose, well graded, damp	60	7.1/ NM			NM = Not measured; FID malfunctioned Rock and concrete fragments at 1'
1				46.1/ NM			
2	SILTY CLAY	Black, medium plasticity, medium stiff, moist	25	15.1/ NM			Staining and odor at 4'
3				33.8/ NM			
4		Soft, increasing sand	80	15.0/ NM			Strong odor, heavy sheen and coke fragments at 8' Well screen set at (9-19')
5				84.0/ NM			
6	SILTY SAND	Black, medium grained, medium dense, poorly graded, moist		28.7/ NM			Strong odor and sheen at 13'
7	GRAVELLY SAND	Black, coarse grained, loose, well sorted, saturated	100	8.3/ NM			
8				4.5/ NM			
9	SILTY SAND	Dark gray, medium grained, medium dense, poorly graded, moist	90	2.1/ NM			Switched to macro core (16-28')
10				Some gravel			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641522.98	UTM Easting*: 202623.64
Boring Location: BBSB-133/BBMW-39	Surface Elevation*: 753.41

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND	Wet	100	8.0/ NM			Sheen at 20'
21				2.2/ NM			
22			100	2.2/ NM			
23				2.2/ NM			
24	SILTY CLAY	Gray, low plasticity, very stiff, damp, trace sand	100	2.0/ NM			End of boring at 28'
25							
26							
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/2/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641601.37	UTM Easting*: 203116.98
Boring Location: BBSB-134/BBMW-40	Surface Elevation*: 758.03

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 1	FILL MATERIAL	(Gravelly sand), black, medium grained, loose, well graded, damp		0.1/ 0.0			Rock fragments at 0.5'
1 - 2	SILTY CLAY	Light brown, low plasticity, soft, damp, some gravel	75	0.3/ 0.0			Rock fragments at 5' Well screen set at (5.5-10.5')
2 - 4		Medium plasticity, moist	90	0.2/ 0.0			
4 - 6		Wet		0.1/ 0.0			
6 - 8							
8 - 10	SILTY SAND	Brown, medium grained, loose, poorly graded, saturated	90	0.2/ 0.0			
10 - 12	SILTY CLAY	Gray, low plasticity, very stiff, damp, trace gravel	90	0.2/ 0.0			End of boring at 16'
12 - 13				0.1/ 0.0			
13 - 16				100	0.1/ 0.0		

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/3/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641729.30	UTM Easting*: 202663.26
Boring Location: BBSB-135/BBMW-41	Surface Elevation*: 753.73

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 8	FILL MATERIAL	(Gravelly sand), light brown, medium grained, loose, well graded, damp	20	0.2/ NM			NM = Not measured; FID malfunctioned
3				0.3/ NM			
6			75	0.5/ NM			
6 - 8							Rock fragments at 6'
8 - 10	SAND	Light brown, medium grained, loose, poorly graded, wet	75	34.1/ NM			Soil sample BBSB-135 (8-10') collected Well screen set at (9-19')
10 - 12	SILTY CLAY	Gray, low plasticity, soft, wet, some sand		53.0/ NM			Staining at 10'
12 - 16	GRAVELLY SAND	Black, coarse grained, very loose, well graded, saturated	50	116/ NM			Sheen and staining at 13'
15				2,019/ NM			Odor at 15'
16 - 18		Light brown	100	10.6/ NM			Switched to macro core (16-48')
18 - 20		Medium grained		19.9/ NM			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/3/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
BBSB-135/BBMW-41	UTM Northing*: 1641729.30
	UTM Easting*: 202663.26
	Boring Location: BBSB-135/BBMW-41
	Surface Elevation*: 753.73

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND						
21		Gray, medium grained, loose, poorly graded, saturated	100	8.6/ NM			
22							
23		Light brown		0.9/ NM			
24	SILTY SAND						
25			100	4.0/ NM			
26		Fine grained					
27		Saturated		1.6/ NM			
28	SILTY SAND						
29			30	2.9/ NM			
30							
31				2.0/ NM			
32	SILTY SAND						
33			100	0.8/ NM			
34							
35				0.7/ NM			
36	SILTY SAND						
37		Increasing silt	100	0.4/ NM			
38							
39				0.4/ NM			
40							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/3/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641729.30	UTM Easting*: 202663.26
Boring Location: BBSB-135/BBMW-41	Surface Elevation*: 753.73

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
40	SILTY SAND	Wet	100	1.1/ NM			
41				0.8/ NM			
42			100	1.8/ NM			
43	0.8/ NM						
44	SILTY CLAY	Gray, low plasticity, very stiff, damp	100	1.8/ NM			
45				0.8/ NM			
46							Soil sample BBSB-135 (47-48') collected
47							End of boring at 48'
48							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/4/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641812.15	UTM Easting*: 202905.97
Boring Location: BBSB-136/BBMW-42	Surface Elevation*: 756.17

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 3	FILL MATERIAL	(Gravelly sand), dark brown, medium grained, loose, well graded, damp	80	0.2/ NM			NM = Not measured; FID malfunctioned Odor at 1'
3 - 12	SILTY CLAY	Light brown, medium plasticity, soft, moist, some sand		0.4/ NM			
12 - 19	GRAVELLY SAND	Black, medium grained, loose, well graded, saturated	5	0.4/ NM			Well screen set at (9-19')
19 - 20	SILTY CLAY	Gray, low plasticity, very stiff, damp		0.3/ NM			
12 - 17		Light/dark brown mottling	75	0.5/ NM			Sheen at 17'
17 - 18		Increasing silt		14.8/ NM			
18 - 19		Darker color	80	17.1/ NM			End of boring at 20'
19 - 20		Increasing grain size		17.1/ NM			
19 - 20				0.6/ NM			
19 - 20				1.4/ NM			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/4/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641972.50	UTM Easting*: 202669.95
Boring Location: BBSB-137/BBMW-43	Surface Elevation*: 754.22

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 4	FILL MATERIAL	(Gravelly sand), light brown, medium grained, loose, well graded, damp	60	0.1/ NM			NM = Not measured; FID malfunctioned
3 - 4		Increasing silt		0.2/ NM			
4 - 6	SILTY CLAY	Brown, medium plasticity, medium stiff, moist	80	0.1/ NM			Coke fragments at 3.5'
6 - 8	CLAYEY SAND	Dark brown, fine grained, medium dense, poorly graded, moist		0.2/ NM			
8 - 10		0.2/ NM	70		Well screen set at (9-19')		
10 - 12	0.2/ NM						
12 - 14	GRAVELLY SAND	Gray, coarse grained, very loose, well graded, saturated	50	5.4/ NM			Soil sample BBSB-137 (10-12') collected
14 - 16				0.5/ NM			
16 - 18	SILTY CLAY	Gray, low plasticity, stiff, damp	50	0.3/ NM			Soil sample BBSB-137 (18-20') collected
18 - 20				0.2/ NM			
20							End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: A.Haberfield/D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
UTM Northing*: 1641712.00	UTM Easting*: 202474.20
Boring Location: BBSB-138	Surface Elevation*: 753.67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	FILL MATERIAL	(Gravelly sand), light brown, medium grained, loose, well graded, damp	50	1.4/ NM			NM = Not measured; FID malfunctioned Brick and rock fragments at 1' Brick and rock fragments at 4' Soil sample BBSB-138 (6-8') collected Switched to macro core (8-28') Black staining at 9'	
1				5.6/ NM				
2			40	0.9/ NM				
3				1.2/ NM				
4			Saturated	60				1.7/ NM
5								6.5/ NM
6	SANDY SILT	Black, non-plastic, soft, damp	90	9.8/ NM				
7		Increasing sand		69.4/ NM				
8	GRAVELLY SAND	Black, medium grained, loose, well graded, saturated	60	18.4/ NM	Staining and NAPL present at 15'			
9		Coarse grained		9.0/ NM				
10		Fine grained, poorly graded						
11		Wet						

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/12/2017
Client Name: Citizens Energy Group	Personnel: A.Haberfield/D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
UTM Northing*: 1641712.00	UTM Easting*: 202474.20
Boring Location: BBSB-138	Surface Elevation*: 753.67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND	Black, fine grained, loose, poorly graded, wet	100	20.8/ NM			
21				10.4/ NM			
22	SILTY SAND	Gray, coarse grained, medium dense, wet	100	10.8/ NM			
23				3.5/ NM			
24	SILTY CLAY	Gray, low plasticity, hard, damp	100				Soil sample BBSB-138 (26-28') collected
25							
26							End of boring at 28'
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JL0198.320	Date Drilled: 3/18/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE corner of site property	Surface Elevation*: 752.26

CSSB-1

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp				
1	SANDY GRAVEL	Fill material, brown, medium dense, damp	80	1.0/ 1.0		Brick framents
2						
3						
4	SANDY GRAVEL		100	1.0/ 1.0		Soil sample collected (6-8') at 11:10
5						
6	SILTY CLAY	Wet	100	1.0/ 1.0		Groundwater at (8-9')
7						
8	GRAVELLY SAND	Brown, medium stiff, medium plasticity, wet, 10% gravel, 5% trace sand	75	1.0/ 1.0		Soil sample collected (12-14') at 11:15
9						
10						
11	GRAVELLY SAND	Brown, coarse grained, medium dense, well graded, saturated, 30% gravel	75	1.0/ 5.0		
12						
13	SILTY CLAY	Wet	100	1.0/ 1.0		Refusal at 16', end of boring at 16'
14		Gray				
15						
16	SILTY CLAY	Gray, medium plasticity, stiff, moist, 10% gravel	100	1.0/ 1.0		



Project Number: JL0198.320	Date Drilled: 3/21/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: Middle N. border of study site	Surface Elevation*: 754.55

CSSB-2

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Some silty sand, black, loose, damp					
1	SILTY CLAY	Reddish brown, medium plasticity, medium stiff, moist	75	105/ 5.0	█	Soil sample collected (2-4') at 9:35	
2				185/ 10			
3				75/ 6.0			
4		10% gravel					
5	SILTY CLAY	Soft	100	84/ 7.0	█	Soil sample collected (8.5-10.5') at 9:25	
6							
7		Medium stiff					
8	GRAVELLY SAND		100	140/ 6.0	█	Groundwater at (11.5-15.5')	
9							
10							65/ 13
11		Gray, medium grained, medium dense, well graded, wet, 20% gravel					
12	GRAVELLY SAND	Saturated	100	150/ 8.0	█		
13							
14							116/ 6.0
15	SILTY CLAY	Brown (top 3"), gray, medium plasticity, stiff, moist	100	105/ 4.0	█	Soil sample collected (18-20') at 9:45	
16							
17	SILTY SAND	Gray, medium grained, medium dense, well graded, moist, 5% gravel	100	92/ 8.0	█	End of boring at 20'	
18							
19							
20							



Project Number: JL0198.320	Date Drilled: 3/21/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE of MW-8, N. site boundary	Surface Elevation*: 753.98

CSSB-3

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp	75	Max/ 6.0		Coal tar present (2") Strong odor (3.5-7') Wood fragments (4-6')
1		Some sandy gravel, black and brown		6,400/ 46		
2		Very moist	85	6,100/ 3,300		
3	SILTY CLAY	Gray, medium plasticity, medium stiff, moist, 10% gravel, trace sand	100	2,100/ 185		Wet, sheen on water, trace reddish brown product
4				2,700/ 376		
5	CLAYEY SAND	Gray, dense, well graded, moist, 20% gravel	100	5,700/ 276		Soil sample collected (10-12') at 12:05
6	SANDY CLAY	Brown, medium stiff, low plasticity, damp, 10% gravel		3,700/ 85		
7	SANDY CLAY	Moist	100	500/ 98		Soil sample collected (15-17') at 12:15
8				480/ 26		
9	CLAYEY SAND	Brown, well graded, loose, saturated	100	240/ 12		Groundwater at (17-18')
10	SILTY CLAY	Brown, medium plasticity, medium stiff, moist		240/ 12		
11		Gray, increasing silt				End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/16/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: S. of CSMW-13, along tracks	Surface Elevation*: 758.12

CSSB-4

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	TOPSOIL	Black, soft, moist	100	1.0/ 1.0		
1		Brown, medium plasticity, stiff, moist, 10% gravel		1.0/ 1.0		
2	SILTY CLAY	Brown, medium plasticity, stiff, moist, 10% gravel	100	1.0/ 1.0		Soil sample collected (7-8') at 9:45
3				1.0/ 1.0		
4				1.0/ 2.0		
5				1.0/ 1.0		
6				1.0/ 1.0		
7				1.0/ 1.0		
8				1.0/ 1.0		
9				1.0/ 1.0		
10				1.0/ 1.0		
11				1.0/ 1.0		
12	GRAVELLY SAND	Gray, medium grained, medium dense, well graded, saturated, 35% gravel	100	1.0/ 2.0		Soil sample collected (14-16') at 10:00
13				1.0/ 2.0		
14				1.0/ 1.0		
15	SILTY CLAY	Gray, medium plasticity, very stiff, moist	100	1.0/ 1.0		Groundwater at (16-18')
16				1.0/ 1.0		
17	SILTY CLAY	Gray, medium plasticity, very stiff, moist	100	1.0/ 3.0		End of boring at 20'
18				1.0/ 1.0		
19						
20						



Project Number: JL0198.320	Date Drilled: 3/18/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: N. of SB-26	Surface Elevation*: 757.21

CSSB-5

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp				
1		Fill material, loose, well graded, moist		2.0/ 1.0		
2	GRAVELLY SAND		100			Blue wood fragments, trace sand
3				12/ 5.0		
4		Fill material, dark brown, medium plasticity, medium stiff, moist		260/ 400		Blue staining (3.5') Coal tar present (4-8')
5	SANDY CLAY		100			
6		Wet		406/ 748		
7						
8		Brown, medium plasticity, medium stiff, moist, 5% gravel		22/ 19		Soil sample collected (8-10') at 12:50
9			100			
10		Gray		2.0/ 1.0		
11	SILTY CLAY					
12			100	5.0/ 6.0		
13						
14			100	2.0/ 2.0		Soil sample collected (14-16') at 12:40
15						
16	SANDY GRAVEL	Gray, coarse grained, dense, well graded, saturated, 35% gravel		1.0/ 2.0		Groundwater at (16-17.5')
17			100			
18	SILTY CLAY	Gray, medium plasticity, stiff, moist, 5% gravel		1.0/ 2.0		
19						
20						End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/18/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NW corner of site property	Surface Elevation*: 754.92

CSSB-6

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	TOPSOIL	Black, soft, damp					
1	SILTY CLAY	Fill material, brown, medium plasticity, medium stiff, damp, 12% gravel, 5% sand	100	2.0/ 1.0		Coal fragments	
2							
3		2.0/ 2.0					
4	SANDY GRAVEL	Fill material	100	1.0/ 2.0		Blue wood fragments Blue staining (5-6')	
5							
6							
7	SILTY CLAY	Fill material, gray, medium plasticity, medium stiff, moist, 10% gravel, 5% trace sand	75	5.0/ 7.0		Brick fragments	
8		Dark gray, soft, very moist					
9		Gray, medium stiff, moist					
10	GRAVELLY SAND	Brown, loose, well graded, damp, 30% gravel		58/ 68			
11							
12	SILTY CLAY	Gray, medium plasticity, medium stiff, moist, 10% gravel, 10% trace sand	75	480/ 680		Soil sample collected (14-15.5') at 9:35	
13							
14	SANDY GRAVEL	Black, medium dense, well graded, saturated		490/ 715		Groundwater at (15.5-16.5'), slight sheen	
15							
16	SILTY CLAY	Brown, medium plasticity, stiff, moist, 10% gravel	100	17/ 24		Coal fragments	
17		Gray					
18				10/ 14		Soil sample collected (18-20') at 9:50	
19						End of boring at 20'	
20							



Project Number: JL0198.320	Date Drilled: 3/16/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: Middle W. border, near tracks	Surface Elevation*: 758.31

CSSB-7

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, moist				
0.5	GRAVEL	Gray, medium grained, dense, poorly graded, angular, moist		1.0/ 2.0		Coal fragments
1		Brown, medium plasticity, medium stiff, moist, 15% gravel	80			
2				1.0/ 1.0		
3						
4				1.0/ 1.0		
5						
6	SILTY CLAY		100			
7				1.0/ 2.0		
8						Soil sample collected (8-10') at 12:35
9				1.0/ 1.0		
10		Gray	100			
11	SAND	Coarse grained		1.0/ 1.0		
12		Brown, medium plasticity, medium stiff, moist, 15% gravel				
13				1.0/ 1.0		
14						
15	SILTY CLAY		100			
16				1.0/ 1.0		
17						
18				1.0/ 2.0		
19			100			Soil sample collected (18-19.5') at 12:50
19.5	GRAVELLY SAND	Gray, coarse grained, medium dense, well graded, saturated, 25% gravel		1.0/ 3.0		Groundwater at (19.5'), end of boring at 20'
20						



CSSB-8	Project Number: JL0198.320	Date Drilled: 3/18/2011
	Client Name: Citizens Energy Group	Personnel: M. Oslos
	Project Name: Prospect Coal Storage	Driller: ARK
	Drilling Method: Geoprobe	Driller License: NA
	Site Address: Indianapolis, IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: E. of SB-25	Surface Elevation*: 755.79

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp	75	3.0/ 12		
1		Some sandy gravel				
2		40% soil, 60% gravel				
3	SILTY CLAY	Fill material, dark gray, medium stiff, moist	100	4.0/ 15		
4						
5	COAL			2.0/ 1.0		
6	GRAVELLY SAND	Brown, medium dense, well graded, moist, 25% gravel	80	2.0/ 4.0		Soil sample collected (8-10') at 3:20
7						
8						
9						
10						
11		Saturated		3.0/ 4.0		Groundwater at (11-15.5')
12	SILTY SAND	Gray, medium plasticity, stiff, moist, 5% gravel	100	4.0/ 15		
13						
14						
15	SILTY CLAY		100	3.0/ 2.0		Soil sample collected (16-18') at 3:30
16						
17				3.0/ 2.0		
18				3.0/ 1.0		
19	SAND	Gray, coarse grained				End of boring at 20'
20						



Project Number: JL0198.320	Date Drilled: 3/17/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: Middle W. side boundary	Surface Elevation*: 754.87

CSSB-9

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Black, moist				
1	SANDY GRAVEL	Fill material, black/brown, dense, well graded, moist	75	2.0/ 2.0		Coal fragments
2						
3		2.0/ 9.0				
4	SILTY CLAY	Dark gray, medium plasticity, stiff, moist	100	4.0/ 70		Odor (6-10')
5						
6		Trace sand		16/ 205		
7						
8						
9			100	28/ 260		Soil sample collected (8-10') at 2:45
10						Soil sample collected (10-12') at 2:55
11				17/ 168		Increase in odor (11-12')
12		Wet				Odor, greenish-yellow staining (12-14')
13	SAND	Gray, medium grained, medium dense, poorly graded, saturated	100	52/ 250		Groundwater at (12.5-14')
14	SILTY CLAY	Gray, medium plasticity, very stiff, moist, 10% gravel				
15				18/ 59		
16						Odor (16-18')
17				9.0/ 47		
18	SAND	Brown, medium grained, medium dense, poorly graded, moist	100			Soil sample collected (18-20') at 3:45
19				2.0/ 4.0		
20						End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/16/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: SE corner of property	Surface Elevation*: 761.67

CSSB-10

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, moist				
1	SANDY GRAVEL	Fill material, brown/black, coarse grained, dense, wet	75	1.0/ 1.0		Brick fragments
2				2.0/ 2.0		
3						
4	SILTY CLAY	Brown, medium plasticity, stiff, moist, 10% gravel, 5% trace sand	100	2.0/ 3.0		Soil sample collected (6-8') at 2:47
5						
6				2.0/ 5.0		
7	SAND	Brown, medium grained, medium dense, wet	100	2.0/ 4.0		Groundwater at (8-8.5')
8						
9	SILTY CLAY	Brown, medium plasticity, stiff, moist, 5% gravel, 5% trace sand	100	2.0/ 4.0		Soil sample collected (10-12') at 2:54
10						
11				2.0/ 4.0		
12						
13				Gray, very stiff		
14	SILTY CLAY		100	2.0/ 4.0		
15				2.0/ 5.0		
16						
17				2.0/ 3.0		
18	SILTY CLAY		100	2.0/ 3.0		
19				2.0/ 3.0		
20						End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/17/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: S. of SB-24, SW site boundary	Surface Elevation*: 757.74

CSSB-11

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, moist	100	1.0/ 1.0		Borehole is on a mound 3' higher than surrounding ground. Coal fragments
1		Fill material, black, medium dense, moist				
2	SANDY GRAVEL		100	1.0/ 1.0		
3		Brown, medium plasticity, medium stiff, moist				
4						
5	SILTY CLAY		100	1.0/ 1.0		
6		2% gravel				
7						
8		8% trace sand				
9	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, moist, 15% gravel	100	1.0/ 4.0		Soil sample collected (10-12') at 9:15
10						
11						
12		Saturated				
13						
14		100	1.0/ 2.0		Groundwater at (12-20')	
15						
16						
17						
18		100	1.0/ 2.0			
19						
20						



	Project Number: JL0198.320	Date Drilled: 3/17/2011
	Client Name: Citizens Energy Group	Personnel: M. Oslos
	Project Name: Prospect Coal Storage	Driller: ARK
	Drilling Method: Geoprobe	Driller License: NA
CSSB-11	Site Address: Indianapolis, IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: S. of SB-24, SW site boundary	Surface Elevation*: 757.74

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	 SILTY CLAY	5% clay	100	1.0/ 4.0		Soil sample collected (20.5-22.5') at 9:40
21		Gray, medium plasticity, very stiff, moist, 5% gravel				
22						
23				1.0/ 4.0		
24						End of boring at 24'



Project Number: JL0198.320	Date Drilled: 3/17/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: SW corner of site boundary	Surface Elevation*: 754.52

CSSB-12

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Some silty sand, black, loose, moist, 5% gravel	100	1.0/ 2.0			
1				1.0/ 1.0			
2				1.0/ 1.0			
3							
4							
5		Wet		1.0/ 1.0			
6			100				
7	SILTY CLAY	Dark gray, medium plasticity, medium stiff, moist, 10% gravel		1.0/ 31		Soil sample collected (7-8') at 11:40	
8							
9					1.0/ 23		
10			Brown	100			
11			15% gravel		1.0/ 1.0		
12			20% gravel				
13				1.0/ 1.0			
14			100				
15		5% trace sand		1.0/ 2.0		Soil sample collected (14-16') at 11:50	
16	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated, 25% gravel	100	1.0/ 3.0		Groundwater at (16-18')	
17							
18	SILTY CLAY	Brown, medium plasticity, medium stiff, wet, 5% gravel		1.0/ 1.0			
19	SAND	Brown, fine grained, medium dense, poorly graded, wet		1.0/ 3.0		End of boring at 20'	
20							



Project Number: JL0198.320	Date Drilled: 3/21/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE corner of site property	Surface Elevation*: 753.87

CSSB-13

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, moist	75	8.0/ 1.0		
1				205/ 38		
2						
3						
4		Wet	100	170/ 24		Coal tar present (2")
5						
6						
7	SANDY CLAY	Dark gray, low plasticity, medium stiff, moist, 15% gravel	100	190/ 10		
8						
9	CLAYEY SAND	Dark gray, fine grained, medium dense, poorly graded, wet, 15% clay	100	200/ 9.0		Soil sample collected (9-11') at 2:35
10						
11	GRAVELLY SAND	Brown, medium grained, medium dense, well graded, saturated, 20% gravel	100	205/ 11		Groundwater at (11-13.5')
12						
13						
14	SILTY CLAY	Gray, stiff, moist, 5% gravel	100	140/ 6.0		
15						
16						
17						
18			100	80/ 6.0		
19				25/ 23		Soil sample collected (18-20') at 2:40
20						End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/22/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: N. of SB-26, near N. border	Surface Elevation*: 754.28

CSSB-14

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp	75	3.0/ 3.0		
1		Some sandy gravel, black/brown, 60% coal, 40% fill material				
2				4.0/ 4.0		
3						
4		Some silty sand, black, wet	50	9.0/ 14	Strong odor (4-10.5') Sheen on soil, coal fragments Coal tar present (6") Soil sample collected (8-10') at 9:30	
5						
6		86/ 340				
7						
8	SILTY SAND	Gray, fine grained, medium dense, poorly graded, moist, 5% gravel	50	158/ 715		
9						
10	15% gravel					
11	SILTY CLAY	Gray, medium plasticity, stiff, moist, 10% gravel		56/ 160		
12	SILTY SAND	Gray, medium grained, medium dense, poorly graded, moist, 10% gravel	75	45/ 156		Soil sample collected (12-14') at 9:45 Groundwater at (14.5-16.5')
13						
14		Decrease in gravel with depth				
15		Saturated		12/ 46		
16			100	8.0/ 60		
17						
18	SILTY CLAY	Gray, low plasticity, hard, damp, 10% gravel	6.0/ 16		Soil sample collected (18-20') at 10:00	
19						
20						End of boring at 20'



Project Number: JL0198.320	Date Drilled: 3/22/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: S. of CSSB-26	Surface Elevation*: 754.18

CSSB-15

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, moist				
1	SILTY CLAY	Brown, medium plasticity, stiff, moist, 5% gravel, trace sand	90	130/ 3.0		
2						
3		Medium stiff	132/ 3.0			
4						
5	SILTY CLAY		100	124/ 3.0		
6						
7				106/ 3.0		
8	SILTY CLAY		100	45/ 7.0		
9						
10		Gray		152/ 2.0		
11	GRAVELLY SAND	Gray, coarse grained, medium dense, well graded, wet, 15% gravel, trace clay	100	110/ 15		Groundwater at (12-14')
12				93/ 2.0		
13	SILTY CLAY	Gray, low plasticity, hard, moist to damp, 8% gravel	100	60/ 2.0		Soil sample collected (14-16') at 11:30
14						
15						End of boring at 16'
16						



Project Number: JL0198.320	Date Drilled: 3/22/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE of CSSB-25	Surface Elevation*: 754.86

CSSB-16

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp				
1	SILTY CLAY	Reddish brown, medium plasticity, medium stiff, damp	75	3.0/ 4.0	█	Soil sample collected (2-4') at 3:50
2		Trace sand, 8% gravel		10/ 2.0		
3		Increasing sand				
4	GRAVELLY SAND	Brown, coarse grained, loose, well graded, damp, 10% gravel	75	6.0/ 1.0	█	Soil sample collected (8-10') at 4:00
5		Moist		5.0/ 2.0		
6	SAND	Brown, fine grained, loose, poorly sorted, wet	75	4.0/ 4.0	█	Groundwater at (10-15')
7		Saturated		3.0/ 3.0		
8	CLAYEY SAND	Brown, medium grained, dense, well graded, saturated, 10% gravel	75	3.0/ 12	█	
9		Gray, coarse grained, loose, well graded, saturated, 10% sand		4.0/ 11		
10	SANDY GRAVEL	Gray, medium plasticity, stiff, moist, 10% gravel	75	4.0/ 10	█	
11		Gray, coarse grained, loose, well graded, saturated, 10% sand		5.0/ 7.0		
12	SILTY CLAY	Increase in silt	100	4.0/ 5.0	█	End of boring at 20'
13						
14						



Project Number: JL0198.320	Date Drilled: 3/23/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: W. of CSSB-25	Surface Elevation*: 753.64

CSSB-17

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Some silty sand, black, loose, damp				
1	COAL		75	170/ 114		
2						
3	SILTY CLAY	Fill material, gray, medium plasticity, medium stiff, moist		140/ 310		Coal fragments
4	SILTY CLAY	Brown, medium plasticity, soft, very moist, trace sand, 5% gravel	100	340/ 115	█	Soil sample collected (4-6') at 12:15
5						
6	SANDY CLAY	Greenish gray, low plasticity, medium stiff, moist, 10% gravel	100	210/ 68	█	Odor (7-22')
7						
8	SANDY CLAY	Gray, medium grained, loose, well graded, saturated	100	265/ 70	█	Soil sample collected (8-10') at 12:20
9						
10	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated	100	330/ 660	█	Groundwater at (10-14')
11						
12	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated	100	55/ 120	█	Black staining (10-11')
13						
14	SANDY CLAY	Gray, medium stiff, moist	100	120/ 40	█	Reddish discoloration in Sandy Clay seam
15	GRAVELLY SAND	Gray, medium grained, loose, well graded, saturated				
16	SAND	Tan, medium grained, loose, well graded, wet	100	145/ 40	█	
17						
18	SAND	Tan, medium grained, loose, well graded, wet	100	35/ 22	█	
19						
20						



Project Number: JL0198.320	Date Drilled: 3/23/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: W. of CSSB-25	Surface Elevation*: 753.64

CSSB-17

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20						
21				80/ 15		
22			100			
23	SANDY SILT	Reddish brown, medium stiff, moist		32/ 6.0		Soil sample collected (22-24') at 12:25
24						End of boring at 24'



Project Number: JL0198.320	Date Drilled: 3/23/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE of SB-24	Surface Elevation*: 755.48

CSSB-18

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some silty sand, black, loose, damp				
1	SANDY GRAVEL	Fill material, black, medium dense, damp	75	5.0/ 1.0		Coal fragments
2	SANDY GRAVEL			4.0/ 7.0		
3	SILTY CLAY	Greenish gray, medium plasticity, medium stiff, moist, trace sand and gravel				
4	SILTY CLAY		100	3.0/ 2.0		
5	SILTY CLAY	Brown		6.0/ 11		
6	SILTY CLAY	Decreasing sand				
7	SILTY CLAY		100	22/ 9.0		
8	SILTY CLAY			5.0/ 2.0		
9	SILTY CLAY					
10	SANDY CLAY	Gray, medium plasticity, medium stiff, moist, 8% gravel	100	26/ 2.0		Soil sample collected (12-14') at 9:45
11	SANDY CLAY			8.0/ 4.0		Soil sample collected (14-14.5') at 9:50
12	SANDY CLAY	Soft, moist		8.0/ 20		Groundwater at (15.5-16')
13	SANDY GRAVEL	Gray, fine grained, loose, well graded, saturated	100			
14	SANDY GRAVEL	Gray, low plasticity, hard, moist, 8% gravel		10/ 2.0		
15	SILTY CLAY					
16	SILTY CLAY		100	9.0/ 4.0		
17	SILTY CLAY					
18	CLAYEY SILT	Gray, medium stiff, moist				End of boring at 20'
19	CLAYEY SILT					
20	CLAYEY SILT					



Project Number: JL0198.320	Date Drilled: 3/22/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: N. of CSSB-24	Surface Elevation*: 752.76

CSSB-19

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments		
0	COAL	Some silt, black, loose, damp	75	360/ 58				
1		Some gravelly sand, brown/black, loose, moist		360/ 4.0				
2	SILTY CLAY	Dark gray, medium plasticity, medium stiff, moist, 15% silt	100	440/3.0				
3		Soft, wet, trace sand		1,500/ 4.0				
4	CLAYEY SILT	Brown, soft, very moist, 20% clay, trace sand	100	460/ 2.0				
5		Brown, fine grained, loose, poorly graded, saturated, 20% clay, 8% gravel		600/ 3.0				
6	CLAYEY SAND	Brown, medium grained, medium dense, well graded, saturated, 40% gravel	100	290/ 2.0				
7		Brown, medium grained, medium dense, well graded, saturated, 40% gravel		180/ 24				
8	GRAVELLY SAND	Brown, fine grained, medium dense, poorly graded, wet, 20% silt	100	136/ 15				
9		Gray, low plasticity, hard, moist, 8% gravel		126/ 8.0				
10	SILTY SAND	Brown, fine grained, medium dense, poorly graded, wet, 20% silt	100	230/ 11				
11		Gray, low plasticity, hard, moist, 8% gravel						
12								Soil sample collected (6-8') at 2:00
13								Soil sample collected (8-10') at 2:10
14								Groundwater at (10-18.5')



Project Number: JL0198.320	Date Drilled: 3/22/2011
Client Name: Citizens Energy Group	Personnel: M. Oslos
Project Name: Prospect Coal Storage	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: N. of CSSB-24	Surface Elevation*: 752.76

CSSB-19

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY		100	117/ 2.0		
21				68/ 2.0		Soil sample collected (22-24') at 2:30
22						End of boring at 24'
23						
24						



Project Number: JM1706.320	Date Drilled: 11/28/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSMW-2	Surface Elevation*: 755.06

CSSB-20

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	75	4.0/ 20		
1						
2						
3				3.0/ 23		
4						
5				6.0/ 42		Wood debris (5-6')
6	SILTY CLAY	Dark gray, low plasticity, soft, moist	100			Odor (6-18')
7				98/ 360		
8	SAND	Dark gray, fine grained, medium stiff, moist	100			Soil sample collected (10-12') at 10:10
9				240/ 2,000		
10						
11				390/ 2,100		
12						
13		Wet		300/ 1,800		
14			100			Groundwater at (14')
15		Dark gray, fine grained, medium dense, saturated		230 / 1,900		
16						Green/yellow product at (14-14.5')
17		Gravel seam		105/ 80		Sheen at (16')
18		Gray, fine grained, medium stiff, trace gravel, moist	100			
19				70/ 46		
20						



Project Number: JM1706.320	Date Drilled: 11/28/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSMW-2	Surface Elevation*: 755.06

CSSB-20

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	CLAYEY SAND		100	40/ 5.0	[Black Bar]	Soil sample collected (22-24') at 10:20
21				40/ 5.0		
22	GRAVELLY SAND	Gray, coarse grained, loose, well graded, wet	100	35/ 10	[Black Bar]	End of boring at 25'
23						
24						
25						



Project Number: JM1706.320	Date Drilled: 11/28/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSSB-20	Surface Elevation*: 755.09

CSSB-21

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Damp	75	4.0/ 28			
1				4.0/ 40			
2				5.0/ 46			
3	CLAYEY SAND	Fill material, brown/black, medium grained, medium dense, trace gravel, damp	100	5.0/ 85		Coal fragments (6-8')	
4				250/ 2,200		Coal tar present (3") Soil sample collected (8-10') at 9:00	
5		Black, fine grained, medium dense, poorly graded, moist	100	90/ 900		Moderate odor (8-14')	
6				Saturated		80/ 860	Groundwater at (12')
7						140/ 430	Refusal at (14'), stepped out (~5') and re-drilled
8	SILTY CLAY	Gray, medium plasticity, medium stiff, moist	100	128/ 215			
9	SAND	Dark gray, medium plasticity, medium dense, moist	100	15/ 46			
10				128/ 215			
11	SAND	Dark gray, medium plasticity, medium dense, moist	100	128/ 215			
12				15/ 46			
13	SILTY CLAY	Gray, medium plasticity, medium stiff, 10% gravel, damp	100	15/ 46		Soil sample collected (18-20') at 9:15	
14	SAND	Dark gray, medium plasticity, medium dense, moist	100	128/ 215			
15				15/ 46			
16	SILTY CLAY	Gray, medium plasticity, medium stiff, 10% gravel, damp	100	15/ 46		End of boring at 20'	
17	SAND	Dark gray, medium plasticity, medium dense, moist	100	128/ 215			
18				15/ 46			
19	SILTY CLAY	Gray, medium plasticity, medium stiff, 10% gravel, damp	100	15/ 46		End of boring at 20'	
20							



Project Number: JM1706.320	Date Drilled: 11/27/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSSB-21	Surface Elevation*: 754.91

CSSB-22

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	75	5.0/ 30		Coal fragments (2-8')
1						
2	SANDY GRAVEL	Fill material, coarse grained, loose, well graded, dry	75	3.0/ 43		
3						
4	CLAYEY SAND	Fill material, brown, loose, well graded, 5% gravel, damp	75	3.0/ 44		Moderate odor (6-12')
5						
6						
7				8.0/ 52		
8		Wet				Coal tar present (3") Sheen (7.5-8')
9	SAND	Gray/black, fine grained, loose, moist	75	155/ 1,600		Soil sample collected (8-10') at 3:45
10						
11						
12		Saturated				
13	SILTY CLAY	Gray, medium stiff, medium plasticity, 10% gravel, damp	75	3.0/ 23		Groundwater at (12'), sheen Soil sample collected (13-14') at 4:00 Refusal at 14', End of boring at 14'
14						



Project Number: JM1706.320	Date Drilled: 11/27/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSSB-22	Surface Elevation*: 757.70

CSSB-23

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	75	4.0/ 20		Boring (~6') higher than CSSB-24 & CSSB-25
1						
2	SILTY CLAY	Fill material, brown, medium stiff, 5% gravel, damp	100	2.0/ 10		Coal fragments (2-8')
3						
4						
5	SANDY GRAVEL	Fill material, tan/black, fine grained, loose, damp	100	3.0/ 8.0		Concrete fragments (5-8')
6						
7						
8						
9						
10	CLAYEY SAND	Brown, medium grained, loose, well graded, moist, 10% rounded gravel	100	8.0/ 13		Soil sample collected (12-14') at 3:15
11						
12						
13	CLAYEY SAND	Saturated	100	6.0/ 12		Groundwater at (15')
14						
15	SILTY CLAY	Gray, medium plasticity, stiff, moist, 10% gravel	100	2.0/ 8.0		Soil sample collected (18-20') at 3:20
16						
17						
18	SILTY CLAY		100	2.0/ 9.0		End of boring at 20'
19						
20						



Project Number: JM1706.320	Date Drilled: 11/27/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: N. of CSMW-1	Surface Elevation*: 751.04

CSSB-24

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	75	3.0/ 20	█	Organic material (1-2')
1				3.0/ 30		
2						
3	SAND	Gray, medium grained, loose, moist	75	10/ 14	█	Soil sample collected (5-6') at 2:00
4						
5	CLAYEY SAND	Brown, coarse grained, loose, well graded, saturated, 20% rounded gravel	100	6.0/ 16	█	Groundwater at (6')
6				5.0/ 40		
7						
8	SILTY CLAY	Gray, medium plasticity, stiff, moist, 10% gravel	100	3.0/ 18	█	Soil sample collected (14-15') at 2:10
9				3.0/ 14		
10				3.0/ 12		
11						End of boring at 15'
12						
13						
14						
15						



Project Number: JM1706.320	Date Drilled: 11/27/2012
Client Name: Citizens Energy Group	Personnel: EFS
Project Name: Coal Storage Investigation	Driller: M.O.ARC
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: NE of CSMW-1	Surface Elevation*: 751.65

CSSB-25

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SILTY CLAY	Fill material, brown/gray, low plasticity, medium stiff, moist, 5% gravel	60	3.0/ 3.0		Coal fragments (0-4')
1						
2						
3	SANDY CLAY	Dark brown, soft, moist, 20% rounded gravel	60	7.0/ 35		Soil sample collected (6-8') at 1:15
4						
5		Saturated	50	5.0/ 32		Groundwater at (8.5-10')
6						
7						
8						
9	SILTY CLAY	Gray, medium plasticity, stiff, damp, 10% gravel	75	10/ 35		Soil sample collected (14-15') at 1:30
10						
11						
12						End of boring at 15'
13						
14						
15						



Project Number: JN0038.320	Date Drilled: 3/20/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: W. of CSSB-20	Surface Elevation*: 755.54

CSSB-26

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	100	1.0/ 4.0		
1				1.0/ 4.0		
2				1.0/ 4.0		
3				1.0/ 4.0		
4	SILTY CLAY	Dark gray, weak, low plasticity, soft, moist	75	1.0/ 6.0		Odor (5-8')
5				172/ 148		Wood chunks and wet (6')
6						Coal tar present (6-8')
7	CLAYEY SAND	Brown, fine grained, medium dense, damp	100	6.0/ 26		Soil sample collected (8-10') at 10:30
8				3.0/ 16		
9	SAND	Brown, fine grained, loose, well graded, saturated	100	2.0/ 8.0		Saturated at (15')
10				3.0/ 51		
11	CLAYEY SAND	Gray, fine grained, medium dense, damp, trace gravel	100	2.0/ 4.0		Soil sample collected (18-20') at 10:15
12				2.0/ 2.0		
13						End of boring at 20'



Project Number: JN0038.320	Date Drilled: 3/20/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: S. of CSSB-21	Surface Elevation*: 755.10

CSSB-27

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Damp				
1	SAND	Fill material, brown, loose, well graded, damp	100	1.0/ 1.0		(3") yellowish-white rock at ~3', no odor
2						Coal fragments
3				1.0/ 1.0		
4						
5				1.0/ 1.0		
6		Wet	100			Sheen on water (6-7.5')
7				16/ 25		Odor (6-8')
8	SILTY CLAY	Black, weak, low plasticity, soft, moist	100	9.0/ 23		Coal tar present (3") Soil sample collected (8-10') at 12:00
9						
10					1.0/ 1.0	
11						
12		Light brown, medium plasticity, medium stiff, moist	100			
13					1.0/ 3.0	
14						
15				1.0/ 1.0		
16	SAND	Gray, medium dense, poorly graded, saturated	100			Saturated at (16')
17					1.0/ 2.0	
18	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100			Soil sample collected (18-20') at 12:10
19					1.0/ 1.0	
20						End of boring at 20'



Project Number: JN0038.320	Date Drilled: 3/20/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSSB-22	Surface Elevation*: 756.83

CSSB-28

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Moist	100	1.0/ 14			
1							
2							
3							
4				75			1.0/ 5.0
5							
6							2.0/ 12
7				75			1.0/ 7.0
8							
9			Wet				
10							
11				36/ 42	Coal tar present (3") Reddish-brown product at (11-11.5')		
12	SILTY CLAY	Black, medium plasticity, soft, moist	75	30/ 38		Soil sample collected (12-14') at 1:30	
13							
14	SAND	Black, medium grained, well graded, medium dense, moist	75	13/ 19		Saturated at (16')	
15							
16		Saturated					
17			75	10/ 7.0			
18							
19	SILTY CLAY	Gray, stiff, damp, trace gravel		4.0/ 4.0		Soil sample collected (18-20') at 1:45	
20						End of boring at 20'	



Project Number: JN0038.320	Date Drilled: 3/21/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: W. of CSSB-26	Surface Elevation*: 755.09

CSSB-29

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Moist	75	2.0/ 2.0			
1				2.0/ 2.0			
2				2.0/ 2.0			
3				2.0/ 2.0			
4	SANDY CLAY	Brown, low plasticity, medium stiff, damp	100	4.0/ 3.0			
5							4.0/ 6.0
6	SAND	Brown, coarse grained, loose, well graded, damp	100	4.0/ 7.0		Trace gravel at (12')	
7							8.0/ 14
8							8.0/ 20
9							7.0/ 23
10							4.0/ 8.0
11							4.0/ 8.0
12		8.0/ 14	Soil sample collected (13-15') at 10:50				
13		8.0/ 20					
14		7.0/ 23					
15		4.0/ 8.0					
16		8.0/ 20					
17		7.0/ 23					
18		4.0/ 8.0					
19		8.0/ 20					
20		Tan, saturated, 6" gravel seam					



Project Number: JN0038.320	Date Drilled: 3/21/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: W. of CSSB-26	Surface Elevation*: 755.09

CSSB-29

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SANDY CLAY	Gray, low plasticity, stiff, moist	100	1.0/ 2.0	[Sample Interval]	Soil sample collected (20-22') at 11:00
21						
22	SAND	Gray, medium grained, loose, poorly graded, moist	100	1.0/ 2.0	[Sample Interval]	End of boring at 24'
23						
24						



Project Number: JN0038.320	Date Drilled: 3/21/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: S. of CSSB-27	Surface Elevation*: 755.81

CSSB-30

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Moist	75	2.0/ 2.0		Wet at (6.5') Odor (6.5-11')
1				2.0/ 2.0		
2			75	6.0/ 8.0		
3				18/ 28		
4	SILTY CLAY	Dark gray, weak, low plasticity, soft, moist	75	22/ 32	Soil sample collected (8-10') at 11:35 Refusal at 11', completed 4 borings within a 10' x 10' area and had refusal in all borings at 11'. Concrete plug in coting shoe for all borings, End of boring at 11'	
5						20/ 27
6		Wet				
7						
8						
9						
10						
11						



Project Number: JN0038.320	Date Drilled: 3/21/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: Prospect Coal Storage	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: E. of CSSB-28	Surface Elevation*: 757.70

CSSB-31

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Moist	100	1.0/ 2.0	█		
1							
2							
3							
4				75			3.0/ 7.0
5							
6							8.0/ 8.0
7				75			3.0/ 22
8							
9			Wet				
10				4.0/ 29			
11			75	10/ 41			
12		Dark gray, medium plasticity, medium stiff, moist, trace gravel					
13							
14	SILTY CLAY			6.0/ 22			
15							
16			100	6.0/ 10			
17	SAND	Dark gray, medium grained, medium dense, saturated					
18	SILTY CLAY			2.0/ 2.0			
19			Gray, stiff, moist, trace gravel				
20					End of boring at 20'		



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.40

CSSB-32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Dry				
1				8.0/ 2.5		
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace gravel	100			
3				18/ 1.2		
4						
5		Trace sand, moist		46/ 1.0		
6			100			
7				37/ 1.0		
8						
9				33/ 1.2		
10	SANDY CLAY	Brown, medium plasticity, soft, very moist, trace gravel	90			
11				40/ 1.3		
12	CLAYEY SAND	Brown, fine grained, loose, well graded, wet, trace gravel				Soil sample collected (12-14') at 9:10
13				54/ 2.1		
14			75			Saturated at (14')
15				50/ 1.2		Reddish-brown oxidation at (14-15')
16	GRAVELLY SAND	Gray, medium grained, medium dense, well graded, saturated				
17				47/ 2.0		
18		Gray, low plasticity, stiff, damp, trace sand and gravel	60			
19				24/ 1.0		
20						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.40

CSSB-32

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
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20	 SILTY CLAY		100	20/ 1.0		Soil sample collected (20-22') at 9:20
21						End of boring at 22'
22						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 757.12

CSSB-33

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Dry				
1	COAL			42/ 1.0		
2		Grayish-brown, medium plasticity, medium stiff, damp	75	80/ 2.4		
3						
4		Brown, trace gravel				
5		Soft, moist		33/ 3.1		
6		Trace sand	80			
7	SILTY CLAY			86/ 1.2		Soil sample collected (6-8') at 11:00
8						
9		Soft, moist		26/ 0.2		
10			100			
11				33/ 0.4		
12						
13		Brown, high plasticity, soft, very moist, trace gravel		32/ 0.4		
14	SANDY CLAY		100			Saturated at (14')
15				29/ 0.4		
16	SILTY CLAY	Gray, low plasticity, stiff, damp, trace sand and gravel				
17	SAND	Gray, medium grained, loose, poorly graded, wet, trace rounded pebbles		3.3/ 0.2		
18			60			
19	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel		11/ 1.0		Soil sample collected (18-20') at 11:15
20						End of boring at 20'



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 757.08

CSSB-34

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL		50	103/ 10.6		
1				106/ 8.3		
2	SILTY CLAY	Dark gray/black, medium plasticity, medium stiff, damp	50	42/ 14		
3						
4	SAND	Dark gray, medium grained, loose, poorly graded, damp	50	36.1/ 6.1		Soil sample collected (6-8') at 11:00
5						
6						
7						
8	GRAVELLY SAND	Black, coarse grained, loose, saturated	80	69.3/ 30.1		Saturated at (14') (6") of product at (15')
9				45.7/ 7.3		
10				66.1/ 45		
11	SAND	Gray, medium to coarse grained, well graded, saturated	80	42.1/ 6.8		
12				39.9/ 6.0		
13	SANDY CLAY	Medium plasticity, medium stiff, wet	80	30/ 4.1		Soil sample collected (18-20') at 11:15
14						
15						
16						
17						
18						
19						
20						



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 757.08

CSSB-34

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, low plasticity, stiff, dry	100	12/ 0.1		End of boring at 24'
21				7.9/ 0.2		
22						
23						
24						



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 755.14

CSSB-35

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Damp				
1	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace gravel	80	2.2/ 0.4	[Solid black bar]	Soil sample collected (2-4') at 10:15
2				11.5/ 8.2		
3				1.2/ 0.1		
4	SAND	Brown, medium grained, medium dense, damp, well graded, medium grained, trace gravel	70	1.2/ 0.1	[Solid black bar]	Saturated at (12')
5				1.2/ 0.2		
6				1.4/ 0.3		
7				1.4/ 0.2		
8				1.2/ 0.2		
9				1.2/ 0.2		
10	Gray		50	1.1/ 0.2		
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 755.14

CSSB-35

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	0.8/ 0.2	[Sample Interval]	Soil sample collected (22-24') at 10:25
21				0.8/ 0.2		
22						
23						
24						End of boring at 24'



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 753.48

CSSB-36

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Sand, clay, & fill material, loose, damp	60	3.2/ 1.5		Odor (1-16')
1						Odor in white clay material (3")
2				10/ 3.4		
3						
4		Moist				
5			50	6.5/ 3.2		
6						
7				13.5/ 8.8		
8	SANDY CLAY	Dark gray, low plasticity, weak, damp	75			Soil sample collected (8-10') at 9:15
9						110/ 46
10						
11	GRAVELLY SAND	Brown, coarse grained, medium dense, well graded, damp	60	90/ 30		Saturated at (12')
12						
13						
14						
15				28/ 9.5		
16	SANDY CLAY	Brown, medium plasticity, medium stiff, moist, trace gravel	100			
17		Gray				
18	SAND	Gray, medium grained, loose, poorly graded, wet	100			
19		Gray, medium plasticity, soft, moist, trace gravel				
20						



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 753.48

CSSB-36

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	CLAYEY SILT		90	2.4/ 1.1		
21						
22	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel	90	2.0/ 1.0		Soil sample collected (22-24') at 9:25
23						
24						End of boring at 24'



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 755.95

CSSB-37

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Dry					
1				113/ 2.0			
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace gravel	80			Soil sample collected (2-4') at 10:10	
3				82/ 2.0			
4							
5		Soft, moist, trace sand			68/ 2.1		
6				80			
7				55/ 2.0			
8							
9				45/ 2.3			
10			90			Soil sample collected (10-12') at 10:15	
11				62/ 2.6			
12	CLAYEY SAND	Brown, fine grained, loose, well graded, saturated				Saturated at (12')	
13				30/ 1.6			
14		Gray		90			
15				58/ 2.1			
16	SILTY CLAY	Gray, medium plasticity, stiff, moist, trace gravel				Soil sample collected (18-20') at 10:20	
17				47/ 2.2			
18				50			
19					36/ 2.0		
20						End of boring at 20'	



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 755.52

CSSB-38

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL		80	40.1/ 6.3		
1						
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp	80	31.3/ 4.2		Soil sample collected (4-6') at 10:10
3						
4			Trace gravel	80	96.3/ 7.8	
5						
6				100	46.0/ 4.2	
7						
8			Moist	100	22/ 1.9	
9						
10				50	23.3/ 2.1	
11						
12		Gray with orange mottling	50	19.8/ 1.9		Saturated at (14')
13						
14	SANDY GRAVEL	Brown, coarse grained, loose, saturated	50	10.3/ 1.9		
15						
16	SILTY CLAY	Gray, low plasticity, stiff, dry	100	6.4/ 0.2		
17						
18			100	3.3/ 0.1		Soil sample collected (18-20') at 10:25
19						
20					End of boring at 20'	



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 754.56

CSSB-39

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Fill material, damp				
1	SAND		75	2.0/ 0.8		Coal fragments
2						Odor (2-4.5')
3		Moist		3.8/ 1.0		
4	SANDY CLAY	Dark gray, low plasticity, weak, moist	50	10.6/ 4.3		Soil sample collected (4-6') at 11:15
5		Brown, medium stiff, damp				
6						
7				5.1/ 2.2		
8						
9				5.0/ 2.0		
10		Moist	50			
11				3.6/ 2.1		
12	GRAVELLY SAND	Brown, medium to coarse grained, loose, well graded, saturated	50	3.0/ 1.6		Saturated at (12') Orangish-brown oxidation at (12-17')
13						
14				3.2/ 1.6		
15						
16		Decrease in gravel				
17				2.7/ 1.2		
18	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	80			Soil sample collected (18-20') at 11:20
19				3.0/ 1.0		
20						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.92

CSSB-40

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Fill material, dry				
1	SAND		75	17/ 11		Coal fragments
2		Damp		27/ 4.0		
3	SILTY CLAY	Dark gray, medium plasticity, medium stiff, moist	80	26/ 0.5		Soil sample collected (6-8') at 1:50
4		Brown, trace sand				
5		Soft				
6		Trace gravel		34/ 1.0		
7	CLAYEY SAND		100	4.2/ 1.1		Wet at (12')
8						
9						
10	SAND	Brown, fine grained, loose, well graded, trace clay, trace sand	100	14/ 0.8		Saturated at (16')
11		Stiff				
12	SAND	Gray	100	3.2/ 0.2		Saturated at (16')
13						
14	SAND	Gray, fine grained, loose, well graded, saturated	100	2.1/ 0.2		Saturated at (16')
15						
16	SAND	Gray, low plasticity, stiff, damp, trace sand and gravel	100	2.0/ 0.1		Soil sample collected (18-20') at 2:00
17						
18	SAND		100			End of boring at 20'
19						
20						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 755.33

CSSB-41

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0		Some sand, wet				
1	COAL		50	115/ 2.0		
2						
3	SILTY CLAY	Gray, medium plasticity, medium stiff, moist	75	100/ 140	█	Soil sample collected (3-4') at 12:00
4						
5	SANDY CLAY	Brown, high plasticity, soft, moist, trace gravel	100	25/ 20		
6						
7	SILTY CLAY	Brown, medium plasticity, medium stiff, moist, trace sand and gravel	100	24/ 0.8		
8						
9	SILTY CLAY		100	12/ 0.4		
10						
11	SILTY CLAY		100	28/ 0.5		
12		Gray				
13	SAND		100	14/ 0.4		
14						
15	SAND		100	27/ 0.4		
16						
17	SAND	Gray, fine grained, loose, well graded, saturated, trace gravel	100	26/ 1.1		Wet at (16')
18	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100		█	Soil sample collected (18-20') at 12:15
19						
20				8.4/ 0.2		End of boring at 20'



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 754.99

CSSB-42

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL					
1				88/ 3.8		
2	SILTY CLAY	Dark gray, medium plasticity, medium stiff, damp	50			
3				63/ 4.8		
4						Soil sample collected (4-6') at 1:30
5		Brown		68/ 3.0		
6			High plasticity	50		
7					31/ 1.8	
8						
9			Light brown, soft, wet		14/ 2.0	
10				100		
11					16/ 1.9	
12						
13		Gray, trace gravel		8.0/ 0.8		
14	SANDY GRAVEL	Gray, coarse, saturated	90			Wet at (13.5')
15	SILTY CLAY			9.0/ 0.2		
16						
17			Gray, low plasticity, stiff, damp		3.0/ 0.2	
18				100		
19				1.0/ 0.1		Soil sample collected (18-20') at 1:45
20						End of boring at 20'



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 754.73

CSSB-43

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some sand, damp	75	2.1/ 0.8		
1						
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace gravel	50	2.0/ 0.6		
3						
4	GRAVELLY SAND	Brown, medium to coarse grained, loose, well graded, damp	40	2.2/ 0.5		Soil sample collected (10-12') at 12:20
5						
6						
7			2.1/ 0.4			
8			Moist			
9			2.0/ 0.5			
10			70	2.0/ 0.4		Saturated at (12.5')
11				2.5/ 0.8		
12						
13		Saturated		2.0/ 0.4		
14		Decrease in gravel				
15	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.8/ 0.3		Soil sample collected (18-20') at 12:30
16						
17			Dry	2.1/ 0.3		
18				2.0/ 0.2		
19						End of boring at 20'
20						



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 757.05

CSSB-44

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL		60	96/ 6.3		
1						
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp	100	28/ 1.8		Soil sample collected (6-8') at 2:35
3						
4						
5				19.1/ 1.1		
6				100	36/ 0.2	
7		Soft, moist				
8			Trace gravel	100	14/ 0.1	
9						
10			Medium stiff, damp			
11					23.3/ 0.2	
12			80	19.9/ 0.1		Saturated at (13')
13	GRAVELLY SAND	Gray, coarse grained, loose, saturated				
14				8.0/ 0.2		
15	SILTY CLAY	Gray, high plasticity, soft, saturated	100	6.6/ 0.1		Soil sample collected (18-20') at 2:40
16						
17		Trace gravel				
18		Stiff, dry		2.2/ 0.1		
19						End of boring at 20'
20						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 754.42

CSSB-45

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some sand and gravel	90	1.1/ 7.3		
1				9.2/ 8.5		
2	SILTY CLAY	Brown, low plasticity, medium stiff, damp, trace sand and gravel	90	3.3/ 1.2		Soil sample collected (6-8') at 3:30
3				8.1/ 7.2		
4		Medium plasticity				
5		Soft, moist				
6	CLAYEY SAND	Brown, fine grained, loose, well graded, trace gravel, moist	100	1.5/ 0.2		Saturated at (13')
7				0.2/ 0.2		
8	SILTY CLAY	Gray, low plasticity, hard, damp, trace gravel, dry	100	0.5/ 0.4		Soil sample collected (18-20') at 3:45
9				0.2/ 0.1		
10	SILTY CLAY	Gray, low plasticity, hard, damp, trace gravel, dry	100	0.2/ 0.1		End of boring at 20'
11				0.2/ 0.2		
12						
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 759.36

CSSB-46

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL					
1		Orangish brown, medium plasticity, medium stiff, damp	80	84/ 3.3		
2						
3				28/ 1.6		
4						
5				14.3/ 1.4		
6		Soft, moist	100		Soil sample collected (6-8') at 3:30	
7		Trace gravel				37.9/ 2.1
8	SILTY CLAY					
9		Medium stiff		14.3/ 3.3		
10		Gray	100			
11					10.9/ 1.0	
12						
13		Soft		14.1/ 1.0		
14			100			
15					19.9/ 0.2	
16	GRAVELLY SAND	Gray, coarse grained, loose, saturated				
17		Gray, low plasticity, stiff, dry		8.2/ 0.2		
18	SILTY CLAY		100		Soil sample collected (18-20') at 3:45	
19						4.4/ 0.2
20						End of boring at 20'



Project Number: JN1006.320	Date Drilled: 8/1/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.88

CSSB-47

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Dry				
1	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace sand and gravel	80	7.0/ 3.0		
2				30/ 1.0		
3			100	30/ 1.0		
4				32/ 3.0		
5			100	23/ 1.0		
6				13/ 1.0		
7			100	Gray		
8				36/ 2.0		
9			100	Increase in sand, moist		
10				41/ 2.0		Soil sample collected (14-16') at 10:15
11	GRAVELLY SAND	Gray, medium to coarse grained, medium dense, well graded, wet	100	28/ 2.0		
12				Saturated		Saturated at (18')
13			24/ 2.0			



Project Number: JN1006.320	Date Drilled: 8/1/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.88

CSSB-47

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, low plasticity, hard, damp, trace gravel	100	9.0/ 1.0	[Sample Interval]	Soil sample collected (20-22') at 10:25
21		Dry				
22						
23						End of boring at 23'



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 756.85

CSSB-48

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some sand, damp	80	1.0/ 0.2		
1						
2	SILTY CLAY	Brown, medium plasticity, medium stiff, damp, trace gravel	100	0.4/ 0.1		
3						
4						
5						
6		Soft				
7		Trace sand				
8						
9						
10						
11						
12	GRAVELLY SAND		60	0.5/ 0.1		Soil sample collected (12-14') at 3:45
13		Soft		0.6/ 0.2		
14						
15		Brown, medium to coarse grained, medium dense, well graded, saturated	100	0.6/ 0.2		Saturated at (14')
16		Gray				
17	SILTY CLAY		100	0.5/ 0.2		Soil sample collected (18-20') at 3:50
18		Gray, low plasticity, stiff, damp, trace gravel				
19						
20				0.5/ 0.2		End of boring at 20'



Project Number: JN1006.320	Date Drilled: 7/30/2013
Client Name: Citizens Energy Group	Personnel: NS
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 754.83

CSSB-49

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL			30/ 16.5		
1						
2		Brown, medium plasticity, medium stiff, damp	100	29.1/ 8.2		
3						
4	SILTY CLAY					
5				33.4/ 1.2		Soil sample collected (4-6') at 9:00
6			80			
7	CLAYEY SAND	Light brown, medium to coarse grained, well graded, moist		18.9/ 1.0		
8						
9		Light brown, medium grained, well graded, wet		14/ 2.1		
10	SAND		40			
11				28.3/ 2.3		
12						
13		Light brown, coarse grained, well graded, saturated		13.1/ 1.9		Saturated at (12.5')
14	SANDY GRAVEL		40			
15		Large rock pieces		6.3/ 0.9		
16						
17		Gray, low plasticity, very stiff, dry		1.9/ 0.3		
18	SILTY CLAY		60			
19				2.1/ 0.2		Soil sample collected (18-20') at 9:15
20						End of boring at 20'



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 753.12

CSSB-50

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	COAL	Some sand, damp	50	9.5/ 3.6		Odor (1-3')
1		Orangish-white porous rock				
2	SANDY CLAY	Black, weak, medium plasticity, soft, moist	60	6.8/ 1.7		
3						
4	SILTY CLAY	Dark gray, medium plasticity, medium stiff, damp, trace gravel	100	3.6/ 4.2		Odor (10-12') Soil sample collected (10-12') at 2:40
5		Gray/brown				
6	CLAYEY SAND	Brown, fine grained, loose, well graded, saturated, trace gravel	60	3.2/ 1.5		Saturated at (12')
7						
8	SAND	Brown/gray, fine grained, loose, well graded, saturated, trace gravel	50	1.4/ 0.6		
9						
10				1.9/ 1.1		
11						
12				2.0/ 0.8		
13						
14						
15						
16						
17						
18						
19						
20						



Project Number: JN1006.320	Date Drilled: 7/29/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 753.12

CSSB-50

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
20						
21				5.4/ 0.3		
22		Increase in rounded gravel	90			
23	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel		2.8/ 0.1		Soil sample collected (23-24') at 2:55
24						End of boring at 24'



Project Number: JN1006.320	Date Drilled: 8/1/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 761.57

CSSB-51

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Some sand and gravel, dry					
1				1.4/ 0.2			
2	SILTY CLAY	Brown, medium plasticity, medium stiff, moist, trace sand and gravel	100				
3				1.3/ 0.2			
4							
5				100	1.5/ 0.2		
6							
7					1.0/ 0.1		
8							
9					1.0/ 0.1		
10				100			Soil sample collected (10-12') at 9:10
11			Gray		1.6/ 0.3		
12		Soft				Wet at (12')	
13		Increase in sand, wet		1.0/ 0.2			
14		Hard, dry	100				
15				1.0/ 0.2		Soil sample collected (15-17') at 9:20	
16							
17			100	1.0/ 0.2		End of boring at 17'	



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 758.36

CSSB-52

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments	
0	COAL	Dry					
1	SILTY CLAY	Brown, low plasticity, stiff, damp, trace gravel	100	0.3/ 0.2			
2							
3			0.3/ 0.2				
4		Increase plasticity, moist, trace sand					
5	SILTY CLAY		100	0.3/ 0.1			
6		Soft					
7			0.7/ 0.4				
8	SANDY SILT	Brown, plastic, soft, saturated	100	1.0/ 0.5	Soil sample collected (8-10') at 2:35	Saturated at (10')	
9							
10							
11	SANDY SILT	Brown, plastic, soft, saturated	100	0.8/ 0.5			
12							
13	SILTY CLAY	Gray, low plasticity, stiff, dry, trace gravel	100	0.7/ 0.4			
14							
15	SAND	Gray, fine to medium grained, medium dense, well graded, saturated, trace gravel	100	0.6/ 0.4			
16							
17	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	0.5/ 0.3			
18							
19				0.5/ 0.3			
20					Soil sample collected (18-20') at 2:45	End of boring at 20'	



Project Number: JN1006.320	Date Drilled: 7/31/2013
Client Name: Citizens Energy Group	Personnel: M.O. - ARK
Project Name: CS Characterization Invest.	Driller: ARK
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, IN	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: CS	Surface Elevation*: 759.50

CSSB-53

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	Soil Sample Interval	Comments
0	SAND	Fill material, gray/black, fine grained, loose, poorly graded, damp	70	1.6/ 0.2		Coal fragments
1						
2	SANDY CLAY	Gray, medium plasticity, medium stiff, moist	100	1.4/ 0.2		
3		Brown				
4						
5		Increase in sand		1.4/ 0.2		
6		Trace gravel Soft				
7				1.4/ 0.2		
8						Soil sample collected (8-10') at 1:25
9		Gray, high plasticity, soft		1.6/ 0.3		
10			100			
11	SAND	Gray, medium grained, medium dense, well graded, trace gravel, saturated	100	1.4/ 0.2		Saturated at (11')
12						
13				2.3/ 0.9		
14	SILTY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	2.0/ 0.8		
15						
16		Dry		1.2/ 0.3		
17						
18			100			Soil sample collected (18-20') at 1:35
19				1.0/ 0.1		
20						End of boring at 20'



Project Number: JO0308.380	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1642551.68	UTM Easting*: 203301.93
Boring Location: NA	Surface Elevation*: 754.31

CSSB-54

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0		Crushed					Fill material (0-10')
0-3	COAL		100	1.3/ NA			Some black wood chips in coal
3	SILTY CLAY	Dark gray, medium plasticity, stiff, damp		59/ NA			
3-10	SAND	Light gray, coarse grained, loose, poorly graded, damp	75	11/ NA			Soil sample CSSB-54 (0-10') collected at 1500
8		Dark gray, fine grained, dense, moist					
9		Light gray, coarse grained, loose, damp		14/ NA			
10-13	CLAYEY SAND	Dark gray, medium grained, dense, well graded, saturated	60	26/ NA			Reddish brown product (10-10.5') Sheen (10-11')
13	GRAVELLY SAND	Black, coarse grained, loose, well graded, saturated		46/ NA			Groundwater (10-13')
13-17	SILTY SAND	Gray, fine grained, very dense, poorly graded, damp	80	17/ NA			Reddish brown product (12.5-13') Sheen (12.5-14')
17		Gray, coarse grained, loose, well graded, saturated		13/ NA			
17-20	GRAVELLY SAND		100	11/ NA			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/22/2014
	Client Name: Citizens Energy Group
	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
CSSB-54	UTM Northing*: 1642551.68
	UTM Easting*: 203301.93
	Surface Elevation*: 754.31

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, low plasticity, hard, dry, trace gravel	100	5.8/ NA			End of boring at 24'
21				2.2/ NA			
22							
23							
24							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1642556.58	UTM Easting*: 203523.09
Boring Location: NA	Surface Elevation*: 755.88

CSSB-55

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Crushed	75	1.0/ NA			Fill material (0-8')
1							
2							
3	CLAY	Some sand and clay	20	1.1/ NA			Soil sample CSSB-55 (0-8') collected at 1540
4		Blue Crushed, some sand and clay					
5	COAL		100	8.2/ NA			Groundwater (10-11')
6							
7							
8	CLAY	Black, medium plasticity, medium stiff, damp		9.9/ NA			End of boring at 12'
9							
10	SAND	Black, fine grained, dense, poorly graded, saturated		9.1/ NA			
11	SILTY SAND	Fine grained, dense, poorly graded, damp					
12							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1642606.15	UTM Easting*: 203616.37
Boring Location: NA	Surface Elevation*: 757.86

CSSB-56

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments			
0	COAL	Crushed	100	57/ NA	-	-	Fill material (0-9')			
1				9.0/ NA						
2				9.0/ NA						
3				6.2/ NA						
4		Some sand and gravel	100	9.0/ NA	-	-	Soil sample CSSB-56 (0-9') collected at 1622			
5				7.2/ NA						
6				7.2/ NA						
7				8.4/ NA						
8		Saturated	75	7.2/ NA	-	-	Groundwater (8.5-9')			
9		Gray, fine grained, dense, poorly graded, damp		8.4/ NA						
10	SILTY SAND							-	-	End of boring at 12'
11										
12										

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/22/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1642591.77	UTM Easting*: 203724.71
Boring Location: NA	Surface Elevation*: 757.38

CSSB-57

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	COAL	Crushed with sand and gravel	90	0.1/ NA	-	-	Fill material (0-8.25') Soil sample CSSB-57 (0-8') collected at 1635	
1								
2		Some clay		5.9/ NA				
3		Crushed with sand and gravel						
4	SANDY CLAY	Dark gray, medium plasticity, soft, moist	90	5.3/ NA	-	-		
5		Some clay						
6		Crushed with sand and gravel						7.4/ NA
7	SAND	Dark gray, fine grained, dense, poorly graded, saturated	90	3.5/ NA	-	-		
8								1.1/ NA
9								
10								
11								
12							End of boring at 12'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/9/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1642015.98	UTM Easting*: 203034.82
Boring Location: CSSB-75/CSMW-30	Surface Elevation*: 754.52

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	COAL	Black, medium grained, loose, well graded, damp	80	0.0/ 0.0				
1								
2	SILTY CLAY	Brown-gray, high plasticity, very stiff, damp	60	0.0/ 0.0			Well screen set at (6-16')	
3								
4		Soft, moist						
5								
6								
7								
8								
9								
10								
11	GRAVELLY SAND	Light brown, coarse grained, medium dense, well graded, moist	80	0.0/ 0.0			Switched to macro core (16-20')	
12								
13		Saturated						
14								
15								
16	SILTY CLAY	Gray, medium plasticity, hard, damp	100	0.0/ 0.0			End of boring at 20'	
17								
18		Low plasticity						
19								
20								

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/8/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1642677.44	UTM Easting*: 203930.10
Boring Location: CSSB-76/CSMW-31	Surface Elevation*: 756.19

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Black, medium grained, loose, well graded, damp					
1	FILL MATERIAL	(Gravelly sand), brown, medium grained, loose, well graded, damp	50	0.2/ 0.2			Rock fragments at 1'
2							Coke fragments at 2'
3				0.4/ 0.4			
4							
5		Wet		1.0/ 0.4			Well screen set at (5-15')
6			50				Brick fragments at 6'
7	SILTY CLAY	Dark brown, medium grained, loose, well graded, damp		0.8/ 1.7			
8							
9			Low plasticity, medium dense, stiff, damp	50			0.8/ 0.8
10							
11		Orange, soft, wet		0.8/ 1.8			
12	GRAVELLY SAND	Brown, coarse grained, loose, well graded, saturated		0.9/ 0.2			
13							
14	SILTY CLAY	Gray, low plasticity, hard, damp	80	0.4/ 0.1			
15							
16							End of boring at 16'

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CSSB-77	Project Number: JR0576.359	Date Drilled: 5/9/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642259.28	UTM Easting*: 203013.25
	Boring Location: CSSB-77	Surface Elevation*: 755.21

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Black, medium grained, loose, well graded, damp	40	0.2/ 0.0			
1							
2							
3	SANDY CLAY	Light brown/orange, medium plasticity, stiff, damp	95	0.2/ 0.0			Soil sample CSSB-77 (6-8') collected
4							
5							
6							
7							
8	SILTY SAND	Light brown, medium grained, dense, poorly graded, wet	100	0.3/ 0.0			Switched to macro core (14-44')
9							
10							
11		Increasing sand		0.2/ 0.0			
12							
13							
14		Saturated		0.4/ 0.0			
15		Loose		0.2/ 0.0			
16				0.4/ 0.0			
17				0.4/ 0.0			
18		Fine grained		0.5/ 0.0			
19							
20							

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CSSB-77	Project Number: JR0576.359	Date Drilled: 5/9/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642259.28	UTM Easting*: 203013.25
Boring Location: CSSB-77	Surface Elevation*: 755.21	

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND	Medium grained, loose, well graded	100	0.2/ 0.0			
21		Light brown, medium grained, medium dense, damp		0.3/ 0.0			
22	SILTY SAND		70	0.3/ 0.0			
23				0.4/ 0.0			
24		Increasing gravel, decreasing silt	60	0.2/ 0.0			
25				0.3/ 0.0			
26		Increasing silt, no gravel	100	1.0/ 0.0			
27				0.7/ 0.0			
28	Moist	70	2.3/ 0.0				
29			0.5/ 0.0				
30			1.3/ 0.0				
31							
32						Continued boring on 5-10-2017	
33							
34							
35							
36							
37							
38							
39							
40							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



CSSB-77	Project Number: JR0576.359	Date Drilled: 5/9/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642259.28	UTM Easting*: 203013.25
Boring Location: CSSB-77		Surface Elevation*: 755.21

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
40	SILTY SAND		NA	1.0/ 0.0			Soil sample CSSB-77 (42-44') collected
41				0.8/ 0.0			
42	SILTY CLAY	Gray, low plasticity, stiff, damp	NA				End of boring at 44'
43							
44							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



CSSB-78	Project Number: JR0576.359	Date Drilled: 5/10/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642216.37	UTM Easting*: 202880.28
Boring Location: CSSB-78		Surface Elevation*: 754.58

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Black, medium grained, loose, well graded, damp					
1	GRAVELLY SAND	Light brown, medium grained, loose, well graded, damp	60	0.6/ 0.0			Rock fragments at 2'
2				0.4/ 60.8			
3	SILTY CLAY	Gray, high plasticity, medium stiff, moist	90	60.9/ 64.5			Soil sample CSSB-78 (4-6') collected Odor at 5'
4							
5							
6							
7							
8	SILTY CLAY	Increasing sand content	85	36.1/ 36.7			Odor at 7'
9				6.4/ 43.6			
10							
11	GRAVELLY SAND	Gray, medium to coarse grained, loose, well graded, saturated	95	19.9/ 39.9			Odor at 13'
12							
13				9.3/ 60.0			
14							
15	GRAVELLY SAND		55	3.7/ 20.2			
16							
17				1.7/ 91.0			
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/10/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
UTM Northing*: 1642216.37	UTM Easting*: 202880.28
Boring Location: CSSB-78	Surface Elevation*: 754.58

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		90	1.6/ 30.5			Switched to macro core (20-28')
21				1.3/ 40.2			
22				0.8/ 20.0			
23	SILTY CLAY	Gray, low plasticity, hard, damp	50	0.8/ 20.0			Soil sample CSSB-78 (26-28') collected
24				0.8/ 0.0			
25							End of boring at 28'
26							
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/9/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
UTM Northing*: 1642178.74	UTM Easting*: 202931.71
Boring Location: CSSB-79	Surface Elevation*: 754.96

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COAL	Black, medium grained, loose, well graded, damp	80	0.3/ 0.0			
1							
2	CLAYEY SILT	Black, low plasticity, soft, moist	60	0.2/ 108			
3							
4	SILTY CLAY	Dark gray, high plasticity, stiff, moist	50	0.7/ 32.5			Soil sample CSSB-79 (8-10') collected
5							
6	SILTY CLAY	Light brown	60	0.7/ 0.0			Soil sample CSSB-79 (12-14') collected
7							
8	SILTY SAND	Moist	90	0.5/ 0.4			
9							
10	SILTY SAND	Increasing sand	90	19.2/ 6.7			
11							
12	SILTY SAND	Gray-orange, coarse grained, loose, well graded, moist	90	0.6/ 2.5			
13							
14	SILTY SAND	Saturated	90	1.0/ 0.0			
15							
16							
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



CSSB-79	Project Number: JR0576.359	Date Drilled: 5/9/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube/Macro Core	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642178.74	UTM Easting*: 202931.71
	Boring Location: CSSB-79	Surface Elevation*: 754.96

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND		90	1.1/ 0.3			Switched to macro core (20-28')
21				0.2/ 0.1			
22			60	0.8/ 0.1			
23	0.6/ 0.0						
24	SILTY CLAY	Gray, low plasticity, hard, damp	60	0.8/ 0.1			Soil sample CSSB-79 (26-28') collected
25				0.6/ 0.0			
26							End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-1
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: NW of No. 3 Lead Holder
0		Topsoil				
0-2*		Sandy Silt Light gray, soft, dry	0-2*		15.64	Soil sample collected (0" - 6") at 12:25 for laboratory analysis
2-4		Clay Brown, low plasticity, very stiff, damp, black mottling	2-4	75	16.24	
4-6		Clayey Silt Brown, medium stiff, dry, 10% gravel	4-6		19.79	
6-8		Sand Brown, fine grained, loose, poorly graded, moist	6-8	80	17.61	Soil sample collected (8' - 10') at 13:34 for laboratory analysis
8-10*		Clayey Sand Brown, fined grained, loose, poorly graded, moist	8-10*		20.94	
10-12		Silty Clay Brown, stiff, damp	10-12	90	17.42	Soil sample collected (12' - 14') at 13:41 for laboratory analysis
12-14*		Sand Brown, fine grained, loose, poorly graded, moist	12-14*		17.88	
14-16		Clayey Sand Brown, fine grained, loose, poorly graded, moist	14-16		14.78	
16-18		Sandy Gravel Brown, coarse grained, dense, well graded, moist	16-18	100	7.00	Groundwater at 15'
18-20		Sandy Clay Brown, stiff, moist	18-20		18.42	
18-20		Clayey Sand Brown, coarse grained, loose, poorly graded, saturated				
20		Silty Clay Brown, stiff, wet				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-1
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
		Gray, hard, dry at 19' End of Boring				
22						
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-2
Date Drilled: 10/27/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 150' South of #3 Gas holder
0-2		Coke Black, fine grained, loose, dry	0-2	50	0.67	Trace coke
2-4		Silty Clay Brown, medium plasticity, medium stiff, damp, 5% gravel	2-4		0.88	
4-6			4-6	100	0.97	Soil sample collected (8' - 10') at 14:50 for laboratory analysis
6-8		Sandy Clay Light brown, medium plasticity, medium stiff, damp, 15% gravel	6-8		1.13	
8-10*		Gray, decreasing sand and gravel	8-10*		2.55	
10-12			10-12	100	1.30	Soil sample collected (12' - 14') at 14:55 for laboratory analysis
12-14*			12-14*		0.84	
14-16		Increasing gravel, 10% Reddish brown	14-16	100	3.75	Groundwater at 15.5'
16-18		Sandy Gravel Brown, fine grained, loose, well graded, subangular, saturated	16-18		1.87	
18-20		Silty Clay Gray, medium plasticity, medium stiff, damp	18-20	100	0.54	

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-3
Date Drilled: 10/28/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 10' South of West Gate
0		Topsoil				
2		Fill (Silty Sand) Black/Tan, medium grained, poorly graded, dry	0-2	50	2.12	Odor (2' - 4')
2			2-4		.76	
4		Fill (Silty Clay) Black, medium plasticity, damp	4-6	50	1.12	Soil sample collected (8' - 10') at 9:55 for laboratory analysis
6		Silty Clay Brown, medium stiff, dry				
8		Clayey Sand Brown, fine grained, medium dense, poorly graded, damp	6-8	50	.52	Soil sample collected (12' - 14') at 10:00 for laboratory analysis
10		Moist Increasing gravel	8-10*		4.12	
12		Silty Clay Brown, medium plasticity, medium stiff, moist, orange mottling	10-12	85	.48	Groundwater at 15'
14		Clayey Sand Brown, fine grained, medium dense, poorly graded, moist	12-14*		3.87	
16		Sand Brown, coarse grained, medium dense, damp	14-16	100	12.85	
18		Sandy Gravel Brown, fine grained, loose, well graded, subangular, saturated	16-18		11.62	
20		Decreasing gravel	18-20		12.98	

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-3
Date Drilled: 10/28/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Sand Brown, coarse grained, loose, medium dense, wet End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-4
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: SE of Filter Press
0		Topsoil				Soil sample collected (0" - 6") at 11:05 for laboratory analysis
0-2		Fill (Clayey Sand) Black, coarse grained, medium dense, well graded, damp, 5% gravel	0-2*		25.76	
2-4		Fill (Sand) Black, coarse grained, loose, poorly graded, damp, 5% gravel	2-4	60	69.75	
4-6		Increasing Clay Fill (Sandy Clay) Brown and black, medium stiff, damp	4-6*		169	Soil sample collected (4' - 6') at 11:15 for laboratory analysis
6-8		Fill (Sand) Black and brown, coarse grained, dense, poorly graded, moist, 5% gravel	6-8*	70	12.71	Soil sample collected (6' - 8') at 11:25 for laboratory analysis
8-10		Clay Brown, medium stiff, moist, 5% gravel	8-10*		261	Soil sample collected (8' - 10') at 11:38 for laboratory analysis
10-12		Sand Brown, coarse grained, loose, well graded, saturated, 10% gravel	10-12		83.61	Groundwater at 10'
12-14		Clayey Sand Gray, coarse grained, loose, well graded, saturated	12-14	70	38.45	
14-16		Sandy Clay Gray, soft, saturated				
14-16		Sandy Gravel Gray, coarse grained, loose, well graded, saturated	14-16		31.68	
16-18		Increasing gravel Brown, fine grained, loose, well graded, wet, 60% gravel	16-18		32.12	
18-20		Sandy Clay Gray, soft, wet		100		
18-20		Sandy Gravel Gray, coarse grained, loose, well graded, wet	18-20*		23.02	Sample collected (18' - 20') at 11:33 for laboratory analysis
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-4
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
		Gravelly Sand				
22		Silty Clay Gray, very stiff, damp, red mottling, 10% gravel				
		End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-5
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: South of former drum storage area
0		Asphalt				
0-2		Fill (Gravel)	0-2		5.91	
2		Silty Sand Light gray, medium grained, loose, well graded, angular, dry, 25% gravel	2-4	60	9.37	
4		Clayey Sand Brown, fine grained, loose, poorly graded, moist, 20% gravel Black	4-6		14.63	
6		Sandy Silt Light brown, soft, moist, 5% gravel	6-8*	40	105	Soil sample collected (6' - 8') at 9:00 for laboratory analysis
8		Clayey Sand Black, medium grained, loose, well graded, moist	8-10		61.34	
10		Clay Brown/black/green, medium stiff, moist, 10% gravel				
10		Sandy Clay Black, 20% gravel	10-12		37.04	Groundwater at 10.5'
12		Clayey Sand Black, medium grained, loose, well graded, saturated, 20% gravel	12-14	80	12.41	
14		Sand Gray, medium grained, loose, poorly graded, saturated, 5% gravel	14-16		75.92	
16		Clayey Sand Light brown, wet	16-18	80	33.44	
18		Sandy Clay Brown/gray, medium stiff, wet, 12% gravel Stiff, moist	18-20*		13.94	Sample collected (18' - 20') at 9:24 for laboratory analysis
20		Gravelly Sand Brown, coarse grained, loose, well graded, saturated				
20		Sand				
20		Clayey Sand Brown, fine grained, medium dense, poorly graded, wet, 3% gravel				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-5
Date Drilled: 10/27/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
		Silty Clay Gray, very stiff, damp, 10% gravel End of Boring				
22						
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-6
Date Drilled: 10/27/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 400' NE of South gate along access road
		Concrete				
		Fill	0-2		2.33	
2		Coke Loose, dry		50		
		Damp	2-4		.25	
4		Fill (Silty Clay) Brown, medium plasticity, medium stiff, damp, brownish red mottling		85		
		Green mottling	4-6		.51	
6		Fill (Clayey Sand) Grayish brown, fine grained, loose, poorly graded, damp	6-8		1.74	
8		Increasing gravel Tan/white	8-10		2.71	
10		Green/brown mottling	10-12*		2.91	Soil sample collected (10' - 12') at 09:55 for laboratory analysis
12		Coke	12-14	90	15.88	Odor (13' - 15')
		Concrete				
14		Gravelly Sand Brownish gray, coarse grained, loose, poorly graded, saturated	14-16		8.41	Odor at 15'
16		Black		100		
		Silty Clay Gray, high plasticity, stiff, damp	16-18		4.55	
18			18-20*		7.07	Soil sample collected (18' - 20') at 10:30 for laboratory analysis
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-7
Date Drilled: 10/26/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: East of cooling tower along access road
0		Coke and Coal ~2"				
0-2*		Fill (Clay) Dark brown, medium stiff, moist	0-2*		287	Soil sample collected (0" - 6") at 12:42 for laboratory analysis
2-4		Fill (Clayey Silt) Dark brown, soft, damp	2-4	60	146	
4-6*		Fill (Sandy Clay) Moist	4-6*		840	Coal fragments (2' - 4')
4-6*		Fill (Sand) Fine grained, loose, poorly graded, moist, 12% gravel	4-6*		840	
6-8		Clayey Sand	6-8		288	Soil sample collected (4' - 6') at 14:30 for laboratory analysis
6-8		Sand Black, fine grained	6-8	65	288	
8-10*		Clay Black, soft, moist	8-10*		199	
8-10*		Sandy Clay Very soft	8-10*		199	Soil sample collected (8' - 10') at 14:40 for laboratory analysis
10-12		Gravelly Sand Brown/gray, fine grained, medium dense, poorly graded, moist	10-12		907	
12-14		Sandy Clay Black, very soft, moist	12-14	85	706	Product yellow-green (10' - 16')
12-14		Clayey Sand Black, medium grained, loose, well graded, saturated	12-14		706	
14-16		Gravelly Sand Black, medium dense, well graded, saturated	14-16		521	
16-18		Sand Light gray, fine grained, loose, poorly graded, saturated	16-18	90	420	Groundwater at 10.5'
18-20*		Brown	18-20*		77.10	
18-20*		Silty Clay Gray, very stiff, damp, 12% gravel	18-20*		77.10	Soil sample collected (19' - 20') at 14:49 for laboratory analysis
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-8
Date Drilled: 10/28/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
Ground Surface						Boring Location: 100' east of north gate
0		Fill (Gravel) Light gray	0-2		22.01	
2		Gravelly Sand Black/brown, coarse grained, loose, well graded, dry	2-4	50	31.35	Soil sample collected (8' - 10') at 10:02 for laboratory analysis Odor (8' - 10')
4		Sand Brown, coarse grained, loose, well graded, damp				
6		Gravel Gray, coarse grained, loose, well graded, angular, wet	6-8	60	105	
8		Gravelly Sand Brown, coarse grained, loose, well graded, wet	8-10*			
10		Clay Gray, medium plasticity, soft, wet	10-12	75	461	
12		Sand Gray, coarse grained, loose, well graded, wet Damp Brown	12-14			
14		Gravel Gray, coarse grained, loose, well graded, angular, wet	14-16	541		
16		Clay Gray, medium plasticity, soft, moist Increasing sand	16-18		318	
18		Sandy Clay Dark gray, 20% gravel	18-20*	42.49		
20		Sandy Gravel Coarse grained, loose, well graded, subangular, saturated				
		Clayey Sand Light brown, coarse grained, loose, well graded, saturated, 10% gravel				Groundwater at 14.5'
						Sample collected (18' - 20') at 10:10 for laboratory analysis

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-8
Date Drilled: 10/28/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Gravel Gray, coarse grained, loose, well graded, angular, wet Sand Gray, coarse grained, medium dense, well graded, saturated, 20% gravel				
24		Silty Clay Gray, hard, wet, 10% gravel Brown				
26		Sand Brown, fine grained, medium dense, poorly graded, wet <p style="text-align: center;">End of Boring</p>				
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-9
Date Drilled: 10/28/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments	
0		Ground Surface				Boring Location: SE of No. 3 gas holder control shed	
0		Coke and coal					
0-2		Silty Clay Reddish-brown, very stiff, damp, 5% gravel	0-2	60	0.72	Soil sample collected (6' - 8') at 14:28 for laboratory analysis	
2-4		Medium stiff	2-4		0.81		
4-6		Sandy Clay Reddish brown, medium stiff, damp, 5% gravel	4-6	70	1.18		
6-8*		Clay Reddish brown, medium stiff, damp, 5% gravel	6-8*		2.12		
8-10		Silty Clay Reddish brown, medium stiff, damp, 5% gravel	8-10		0.52		
10-12		Clayey Sand Brown, fine grained, medium dense, poorly graded, damp	10-12	100	0.79		
12-14		Silty Clay Brown, medium stiff, damp	12-14		0.63		
14-16		Sand Brown, fine grained, medium dense, poorly graded, damp	14-16	100	0.49		Soil sample collected (16' - 18') at 15:00 for laboratory analysis
16-18*		Sandy Clay Brown, medium stiff, wet Moist Hard, dry	16-18*		0.45		
18-20		Silty Clay Brown, medium stiff, damp	18-20		0.36		
20		End of Boring					

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-10
Date Drilled: 10/29/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: SE of No. 3 Gas holder
0		Coke and Coal				
2		Fill (Gravelly Sand) Gray, coarse grained, loose, well graded, dry	0-2	70	524	Odor (2' - 12')
2		Decreasing grain size	2-4		225	
4		Clayey Sand Black, coarse grained, medium dense, well graded, damp	4-6*	100	4,972	Soil sample collected (4' - 6') at 10:33 for laboratory analysis
6		Sandy Clay Light gray, soft, wet Dark gray, medium stiff, damp Light brown/gray, 10% gravel	6-8		1,012	
8		Gray, moist	8-10		560	
10		Light gray	10-12		429	
12		Brown, stiff, dry	12-14	80	25.52	Groundwater at 6'
14		Reddish brown Dark gray	14-16		15.32	
16			16-18*	70	12.02	
18		Increasing sand	18-20		33.45	
20		Clayey Sand Gray, coarse grained, dense, well graded, moist				Soil sample collected (16' - 18') at 10:41 for laboratory analysis

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-10
Date Drilled: 10/29/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22	/	Sandy Clay Gray, stiff, damp	20-22	100	15.84	
24			22-24		9.54	
24			24-25	100	7.32	
26		End of Boring				
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-11
Date Drilled: 10/28/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: West end filter press
0		Topsoil				
0-2		Sand Black, coarse grained, loose, well graded, dry, 5% gravel	0-2*	50	9.76	Soil sample collected (0" - 6") at 11:50 for laboratory analysis
2-4			2-4		4.70	
4-6		Clay Brown and gray, medium stiff, moist, 20% gravel	4-6	70	4.72	Odor (8' - 10')
6-8		Sand Black, coarse grained, loose, well graded, damp Medium dense, moist	6-8		11.84	
8-10		Clayey Sand Dark gray, wet Brown, fine grained	8-10*		61.73	
10-12		Clay Dark brown, medium stiff, damp, 5% gravel Brown/black	10-12*	40	17.83	Soil sample collected (10' - 12') at 12:45 for laboratory analysis
12-14		Sandy Clay Soft, moist, 8% gravel	12-14		6.77	
14-16		Clay Brown, stiff, damp, 5% gravel Sand Gray, coarse grained, loose, well graded, saturated, 25% gravel	14-16	100	15.77	Groundwater at 14'
16-18		Gravelly Sand Brown, coarse grained, medium dense, well graded, saturated Brown, fine grained Fine grained, poorly graded, saturated	16-18		4.87	
18-20		Sandy Clay Brown, stiff, wet	18-20		10.73	
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-11
Date Drilled: 10/28/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Sand Gray, medium grained, medium dense, well graded, wet Brown, fine grained, poorly graded, 15% gravel End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-12
Date Drilled: 10/29/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 150' North of GSMW-10
0		Coke and Coal				
0-2		Sand Brown, fine grained, loose, poorly graded, dry, 20% gravel	0-2	30	0.96	Soil sample collected (2' - 4') at 13:18 for laboratory analysis
2-4*			2-4*		1.80	
4-6			4-6		1.47	
6-8		Clay Dark gray, high plasticity, medium stiff, damp	6-8	100	0.70	Soil sample collected (10' - 12') at 13:32 for laboratory analysis
8-10		Brown and gray	8-10		0.52	
10-12*		Wet	10-12*		4.79	
12-14		Clayey Sand Gray, coarse grained, loose, well graded, saturated	12-14	90	22.29	
14-16		Sand Brown, coarse grained, loose, well graded, saturated	14-16		12.42	Groundwater at 12' Brown sheen and odor (12' - 14')
16-18		Clayey Sand Gray, coarse grained, dense, well graded, moist	16-18	100	9.24	
18-20		Medium grained, loose	18-20		7.02	
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-13
Date Drilled: 10/29/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 50' NW of GSMW-10
0		Asphalt				
0-2		Coke Loose, dry	0-2	50	0.77	
2-4			2-4		0.77	
4-6			4-6		333	
6-8*		Fill (Clay) Black, high plasticity, soft, moist	6-8*	70	1,691	Odor (6' - 11.5')
8-10			8-10		1,265	Soil sample collected (6' - 8') at 13:30 for laboratory analysis
10-12*		Fill (Silty Clay) Soft, coke and brick fragments	10-12*	100	651	Soil sample collected (10' - 12') at 13:35 for laboratory analysis
12-14		Sand Brown, fine grained, medium dense, poorly graded, moist Medium grained Coarse grained, wet Fine grained	12-14		264	Groundwater at 13'
14-16		Gravelly Sand Brown, medium dense, poorly graded, subangular, saturated	14-16		10.39	
16-18		Silty Clay Brown, medium plasticity, medium stiff, damp, 5% gravel	16-18		17.42	
18-20*		Sand Brown, fine grained, dense, poorly graded, wet	18-20*	100	2.93	Soil sample collected (18' - 20') at 13:40 for laboratory analysis
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-13
Date Drilled: 10/29/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Silty Clay Gray, high plasticity, stiff, damp	20-22	100	--	
		End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-14
Date Drilled: 10/29/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments	
Ground Surface						Boring Location: 30' NE of GSMW-10	
0		Concrete					
0-2		Coke Fine grained, loose, dry	0-2	60	1.84		
2-4			2-4	60	2.52		
4-6		Clay, damp	4-6	70	3.28		
6-8			6-8	70	0.42		
8-10		Silty Clay Brown, medium plasticity, medium stiff, damp, brown mottling	8-10	70	0.84		
10-12		5% gravel	10-12	100	1.07		
12-14*		Sandy Clay High plasticity, soft, moist	12-14*	100	1.56		Soil sample collected (12' - 14') at 10:10 for laboratory analysis
12-14*		20% gravel	12-14*	100	1.56		
14-16		Gravelly Sand Brown, medium dense, poorly graded, wet	14-16	100	1.85		Groundwater at 15'
14-16		Clayey Silt Brown, low plasticity, medium stiff, dry, 5% gravel	14-16	100	1.85		
16-18		Sandy Gravel Brown, fine grained, loose, well graded, subangular, saturated	16-18	100	0.31		Soil sample collected (18' - 20') at 10:15 for laboratory analysis
18-20*		Clay Gray, high plasticity, stiff, damp, 5% gravel	18-20*	100	0.48		
End of Boring							

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-15
Date Drilled: 10/28/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: SE corner of PCB transformer building
0		Gravel	0-2		0.68	
2		Coke Black, medium grained, poorly graded, dry	2-4	70	11.72	Soil sample collected (4' - 6') at 12:00 for laboratory analysis
4		Brick Orange	4-6*		194	
6		Coke Black, fine grained	6-8	90	62.4	
8		Fill (Clay) Green, black mottling, medium plasticity, medium stiff, damp Increasing sand, brownish green	8-10*		874	Soil sampled collected (8' - 10') at 12:05 for laboratory analysis
10		Fill (Sandy Clay) Grayish green, medium plasticity, soft, moist	10-12		224	Odor (6' - 10') Odor (8' - 10') Coke fragments (10' - 11')
12		Coke Seam	12-14	90	135	Groundwater at 11'
14		Fill (Sand) Black, fine grained, poorly graded, wet	14-16		83.2	
16		Gravelly Sand Grayish brown, coarse grained, loose, poorly graded, subangular, saturated	16-18	100	14.45	Soil sample collected (18' - 20') at 12:10 for laboratory analysis
18		Clay Gray, medium plasticity, very stiff, 5% gravel	18-20*		8.18	
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-19
Date Drilled: 03/17/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: W of GSMW-9
0		Concrete				
0-2		Coke Black, 10% gravel	0-2		52.74	
2-4			2-4	40	6.60	
4-6			4-6		10.72	
6-8*		Fill (Sandy Clay) Brown, high plasticity, soft	6-8*	40	8.17	Soil sample collected (6' - 8') at 14:30 for laboratory analysis
8-10*			8-10*		10.64	Soil sample collected (8' - 10') at 16:15 for laboratory analysis
10-12*		Sand Brown, fine grained, medium dense, poorly graded, damp	10-12*		8.73	Coke fragments (6.5' - 7')
12-14		Gravelly Sand Brown, medium grained, loose, well graded, saturated	12-14	70	38.54	Soil sample collected (8' - 10') at 16:15 for laboratory analysis
14-16			14-16		55.89	Coke fragments (9' - 9.5')
16-18			16-18	100	63.27	
18-20*		Silty Clay Gray, medium plasticity, stiff, damp, 5% gravel	18-20*		46.75	Groundwater at 10.5'
20						Soil sample collected (18' - 20') at 14:45 for laboratory analysis

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-19
Date Drilled: 03/17/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Sand Brown, fine grained, medium dense, poorly graded, damp End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-20
Date Drilled: 03/17/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments	
0		Ground Surface				Boring Location: SW of GSMW-4; between rail lines	
0	█	Coke					
2	▨	Silty Clay Brown, medium plasticity, medium stiff, damp	0-2	100	0.27	Soil sample collected (4' - 6') at 09:48 for laboratory analysis (GSSBD-7, GSMS/GSMSD-7)	
4	▨	Decreasing silt, 5% gravel Moist	2-4		1.21		
6	▨	Wet	4-6*		5.12		
8	▨	Clayey Sand Brown, fine grained, medium dense, poorly graded, wet, 10% gravel, Saturated at 6.5'	6-8	100	3.91		
10	▨	Sandy Clay Brown, high plasticity, soft, wet	8-10		17.92		
12	▨	20% sand	10-12		20.54		
14	▨	Sand Brown, fine grained, medium dense, poorly graded, wet, 10% gravel Saturated at 10.5' - 12'	12-14	100	21.92		Groundwater at 10.5' - 12'
16	▨	Clayey Silt Gray, low plasticity, medium stiff, damp	14-16		14.54		
18	▨	5% gravel, 5% sand	16-18*		27.12		
20	▨	Sand Brown, fine grained, medium dense, poorly graded, saturated, 5% gravel Wet at 16.5'	18-20	100	23.40		Groundwater at 15.5' - 16.5'
20	▨	Moist at 18' Dense and damp at 19'					

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-20
Date Drilled: 03/17/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Silty Clay Gray, low plasticity, medium stiff, damp, 5% gravel End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-21
Date Drilled: 03/16/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments		
0		Ground Surface				Boring Location: NE of GSMW-7 adjacent to gauging point		
0		Silty Clay Black, medium plasticity, medium stiff, damp	0-0.5*	90	40.57	Soil sample collected (0" - 6") at 09:40 for laboratory analysis		
2			0.5-2		309			
4			2-4*		781			
4		Sand Brown, fine grained, medium dense, poorly graded, damp	4-6	35	169	Soil sample collected (2' - 4') at 09:50 for laboratory analysis (GSSBD-9)		
6			6-8		159			
8			8-10*		212			
10			10-12		867			
12			12-14		125			
12		10% gravel	12-14	90	125	Groundwater at 10' - 14'		
14							14-16	58.54
16							16-18*	37.93
16		Silty Clay Gray, medium plasticity, medium stiff, damp, 5% gravel	14-16	50	58.54	Odor (10' - 14')		
18							18-20	28.94
20		End of Boring				Soil sample collected (16' - 18') at 10:10 for laboratory analysis		

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-22
Date Drilled: 03/15/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: E of GSMW-8
0	■	Coke	0-2	75	56.12	
2	▨	Fill (Silty Clay) Brown, medium plasticity, medium stiff, damp			2-4	
4	■	Coke Concrete at 5'	4-5	--		
6						Coal tar present (3.5' - 5')
8						Refusal at 5'
10						
12						
14						
16						
18						
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect - Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-23
Date Drilled: 03/14/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: N of SEMW-1
0		Topsoil	0-0.5*		1.11	Soil sample collected (0" - 6") at 14:00 for laboratory analysis (GSSBD-6)
2		Fill (Silty Clay) Brown, medium plasticity, medium stiff, damp, 10% coal fragments	0.5-2	50	1.42	
2			2-4		2.6	
4		Fill (Sand) Tan, medium grained, loose, poorly graded, damp, coal fragments	4-6	35	3.7	Soil sample collected (8' - 9.5') at 15:25 for laboratory analysis
6		Silty Sand Brown, fine grained, medium dense, poorly graded, wet, 5% gravel	6-8		71.2	
8		Dark gray	8-10*		339	
10		Coarse grained, saturated	10-12	75	6.19	Perched groundwater at 10' - 10.75'
12		Fine grained, wet	12-14*		52.90	Soil sample collected (12' - 14') at 10:15 on 03/16/2011 for laboratory analysis
14		Silty Clay Black, medium plasticity, medium stiff, damp	14-16		1.19	
16		Sandy Clay Black, medium plasticity, soft, moist	16-18	100	3.11	
18		Clayey Sand Brown, medium grained, medium dense, well graded, saturated, 15% gravel	18-20*		3.70	
18		Moist				Soil sample collected (18' - 20') at 15:45 for laboratory analysis
18		Damp				
20		Sandy Clay Brown/gray, medium plasticity, medium stiff, damp, 10% gravel				
20		Stiff End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-24
Date Drilled: 03/17/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments	
Ground Surface						Boring Location: SE of GSMW-5	
0	[Dotted pattern]	Fill (Gravelly Sand) Black, loose, well graded	0-0.5*	50	9.8	Soil sample collected (0" - 6") at 11:45 for laboratory analysis	
2			0.5-2		7.86		
2	[Dotted pattern]	Fill (Sand) Brown, medium grained, loose, poorly graded, damp	2-4	100	8.25	Coke fragments at 2'	
4			4-6		116	Coke fragments at 5'	
6			6-8*		364	Odor (5.5' - 8')	
8			8-10		215	Coal tar present (6' - 7.5')	
10	[Diagonal hatching]	Fill (Clay) Black, high plasticity, medium stiff, moist	10-12*	75	315	Soil sample collected (10' - 12') at 12:05 for laboratory analysis	
12			12-14		2,274	Groundwater at 12.5' - 17'	
14			14-16		1,009	Odor (12.5' - 17')	
16	[Diagonal hatching]	Silty Clay Gray, medium plasticity, medium stiff, damp	16-18	75	79.30	Sheen on water from saturated zone	
18			18-20*		85.72		Soil sample collected (18' - 20') at 12:15 for laboratory analysis
20			End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-25
Date Drilled: 03/15/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: SW of GSMW-5
0		Fill (Silty Clay) Brown, medium plasticity, stiff, damp, 10% coke fragments	0-0.5*	75	3.0	Soil sample collected (0" - 6") at 12:50 for laboratory analysis
2		50% coke fragments	0.5-2		3.5	
2		Green mottling	2-4		8.32	
4		Black, fine grained, wet	4-6		7.61	
4		Saturated				
6		Fill (Sand) Black, medium grained, loose, metallic color, wet	6-8*	30	80.34	Soil sample collected (6' - 8') at 13:15 for laboratory analysis
8	Fine grained					
8	Silty Clay Gray, medium plasticity, medium stiff, black mottling, damp	8-10	21.41			
10			10-12	50	12.10	Soil sample collected (12' - 14') at 13:30 for laboratory analysis (GSMS/GSMSD-5)
12		Moist	12-14*		2.10	
14		Sand Brown/gray, fine grained, loose, poorly graded, moist	14-16		10.05	
16		Dark red, saturated, 15% gravel	16-18		7.10	
18		Silty Clay Gray, medium plasticity, medium stiff, damp	18-20*	80	7.21	Soil sample collected (18' - 20') at 13:40 for laboratory analysis
20	Low plasticity, stiff, dry					
		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-26
Date Drilled: 03/15/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: N of SEMW-4
0		Fill (Silty Clay) Brown, medium plasticity, stiff, damp	0-2*		3.09	Soil sample collected (0" - 6") at 15:15 for laboratory analysis
2		Fill (Sand) Black, fine grained, loose, well graded, damp	2-4	40	5.67	30% Coke fragments (2' - 6')
4		Medium grained	4-6		7.29	Odor (5' - 10')
6		Coarse grained, medium stiff, saturated				Perched groundwater at 5.5' - 6'
6		Fill (Silty Clay) Black, high plasticity, damp	6-8*	40	2,567	Coal tar present (6' - 7.5')
8		Wet Clay Black, high plasticity, medium stiff, wet	8-10		954	Soil sample collected (6' - 8') at 15:25 for laboratory analysis
10		Medium plasticity, moist Stiff, damp				
12		Gravelly Sand Tan, medium grained, loose, well graded, saturated	10-12		266	Groundwater at 10.5' - 12.5'
14		Moist, 20% clay	12-14	85	148	
14		Silty Clay Gray, medium plasticity, medium stiff, damp, 5% gravel	14-16		72.75	
16			16-18*	85	25.56	Soil sample collected (16' - 18') at 15:50 for laboratory analysis
18		Sand Brown, fine grained, loose, poorly graded, wet	18-20		7.16	
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-27
Date Drilled: 03/16/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: N of GSMW-5
0		Fill (Gravel and Stone)				
0-2		Fill (Coke with Silty Clay)	0-2		15.37	
2		Trace of sand with coal fragments, wet		65		Odor (2' - 14')
2-4			2-4		313	
4		Fill (Clay) High plasticity				Coal tar present (3' - 4')
4-6			4-6		820	Coke fragments at 5'
6				50		
6-8		Black, medium stiff, moist	6-8		92.61	
8						
8-10*			8-10*		2,515	Soil sample collected (8' - 10') at 14:00 for laboratory analysis
10		Saturated				Groundwater at 10' - 18.5'
10-12			10-12		1,394	Coal tar present (10' - 12')
12				90		
12-14		Gray	12-14		1,020	
14						
14-16		Gravelly Sand Brown, medium grained, medium dense, well graded, saturated	14-16		399	
16		Fine grained, poorly graded (15'-16')				
16-18		Coarse grained, 15% gravel (16'-18')	16-18		228	
18				100		
18-19		Trace of silt	18-19		7.16	
19-20*		Silty Clay Brown, medium plasticity, medium stiff, damp, 10% gravel	19-20*		13.13	Soil sample collected (19' - 20') at 14:10 for laboratory analysis
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-28
Date Drilled: 03/16/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: NW of GSMW-7
		Concrete				
		Fill (Coke with Sandy Gravel) Fine grained, loose, well graded	0-2		1,490	Odor (4' - 6.5') Brick (5' - 5.75')
2			2-4	30	2,624	
4			4-6		925	
6		Fill (Clay) Black, high plasticity, medium soft, wet	4-6			Soil sample collected (6' - 8') at 12:05 for laboratory analysis
6		Fill (Silty Clay) Light brown, medium plasticity, medium stiff, damp	6-8*	100	1,132	
8		Green mottling Trace of sand	8-10		2,559	Coal (9' - 12')
10		Sandy Gravel Black, fine grained, loose, well graded, saturated	10-12		1,388	Groundwater at 9' - 21'
12		Medium dense	12-14	100	84.26	
14		Sand Brown, medium grained, loose, well graded, saturated	14-16		356	
16			16-18	100	485	
18		Brown	18-20		46.71	
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-28
Date Drilled: 03/16/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22	[Hatched pattern]	Clay Brown, medium plasticity, medium stiff, damp Stiff, dry	20-22	100	46.03	Soil sample collected (24' - 25') at 12:10 for laboratory analysis
24			22-24		61.78	
			24-25*		52.60	
26		End of Boring				
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-29/GSMW-17
Date Drilled: 10/25/2010
Personnel: Andrew Herrmann
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: S Corner of property 20' SW of shed
0-1		Top soil Dark Brown, 30% gravel	0-1		2.43	
1-2		Gravelly Silt Light gray, soft, dry	1-2		10.31	Coal & coal tar present (2.5' - 15') Odor (2.5' - 23')
2-4		Clayey Silt Dark brown, soft, moist, 25% gravel	2-4	85	24.34	
4-6		Clayey Sand Black, fine grained, loose, poorly graded, moist, 20% gravel	4-6		61	
6-8		Sandy Clay Black, soft, moist, 15% gravel	6-8	50	604	Sheen on soil and odor at 6'
8-10*		Decreasing gravel	8-10*		1,183	
10-12		Increasing sand, wet	10-12		412	Soil sample collected (8' - 10') at 12:37 for laboratory analysis (SESBD-1)
12-14			12-14		100	
14-15			14-15		38	
15-16		Rock	15-16		261	
16-18		Silty Clay Light gray, hard, damp, 20% gravel	16-18	95	342	
18-20*			18-20*		156	Soil sample collected (18' - 20') at 12:00 for laboratory analysis
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-29/GSMW-17
Date Drilled: 10/25/2010
Personnel: Andrew Herrmann
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Gravel Gray, fine grained, medium dense, poorly graded, sub-rounded, saturated	20-22	100	305	Groundwater at 20.5' Visible red/green product with odor (20-22') Soil sample collected (24' - 25') at 12:47 for laboratory analysis
24		Clay Brown, very stiff, moist, 2% gravel	22-24		159	
			24-25*		55	
26		End of Boring				
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-30/GSMW-18
Date Drilled: 02/16/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: SW of SESB-12
0		Topsoil	0-2		7.81	
2		Fill (Clayey Silt) Brown/black, low plasticity, medium soft, damp	2-4	60	7.93	
4		2% trace gravel	4-6		134	Coke fragments (4' - 5')
6		Silty Clay Black, medium plasticity, medium soft, gray mottling, damp	6-8	90	455	Coal tar present (5.5' - 11') Odor (5.5' - 12.5') Soil sample collected (6' - 8') at 12:00 for laboratory analysis (SESBD-7)
8			8-10		313	
10		Moist	10-12		456	
12		Clayey Silt Brown, low plasticity, medium stiff, orange mottling, damp	12-14	100	258	Soil sample collected (12' - 14') at 14:05 for laboratory analysis
14		Sandy Gravel Brown/gray, fine grained, medium dense, well graded, saturated	14-16		65.71	Groundwater at 14.5' - 15'
16		Silty Clay Gray, medium plasticity, medium stiff, damp	16-18	100	53.72	
18		Brown	18-20		51.52	Soil sample collected (18-20') at 13:45 for laboratory analysis (SEMS/SEMSED-4)
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-30/GSMW-18
Date Drilled: 02/16/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22	/		20-22	100	45.38	
24			22-24		47.79	
24			24-25		38.40	
26		End of Boring				
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-31/GSMW-19
Date Drilled: 10/26/2010
Personnel: Andrew Herrmann
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
Ground Surface						
0		Topsoil	0-1*		2.93	Boring Location: 250' S of W gate along Pleasant Run Soil sample collected (0" - 6") at 9:48 for laboratory analysis Soil sample collected (2' - 4') at 9:51 for laboratory analysis
2		Silty Sand Brown, fine grained, loose, poorly graded, 15% gravel, dry	1-2		11.25	
4			2-4*	40	14.78	
6		25% gravel	4-6		9.13	
8		12% gravel	6-8	30	8.10	Soil sample collected (8' - 10') at 9:53 for laboratory analysis
8		Sandy Clay Brown, low plasticity, stiff, 10% gravel, damp	8-10*		5.82	
10		Increasing silt				Soil sample collected (16' - 18') at 9:54 for laboratory analysis (SESBD-3)
10		Silty Clay Brown, medium plasticity, medium stiff, 15% gravel, damp	10-12		7.37	
12		Clay Gray/black, high plasticity, soft, 5% gravel, moist	12-14	100	10.92	
14		Sandy Clay Dark gray, fine grained, loose, poorly graded, 1% gravel, wet	14-16		19.27	Soil sample collected (16' - 18') at 9:54 for laboratory analysis (SESBD-3)
16		Gravelly Sand Gray, fine grained, medium dense, well graded, 30% gravel, wet	16-18*		30.88	
18		Sandy Clay Brown, low plasticity, medium stiff, 20% gravel, moist	16-18*	100		Groundwater at 18'
18		Sand Dark gray, coarse grained, loose, well graded, saturated	18-20		45.32	
20		Poorly graded				
End of Boring						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-32
Date Drilled: 10/25/2010
Personnel: Andrew Herrmann
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments	
Ground Surface							
0		Topsoil				Boring Location: 100' SW of W gate along access road	
0-2*		Fill (Silty Sand) Light brown, fine grained, loose, poorly graded, 10% gravel, dry	0-2*	50	9.77		Soil sample collected (0" - 6") at 13:12 for laboratory analysis
2-4		Dark brown	2-4	50	10.56		
4-6		Gray Black	4-6	50	7.91		
6		Fill (Sandy Clay) Brown, stiff, damp, 8% gravel				Soil sample collected (8' - 10') at 14:24 for laboratory analysis	
6-8		Increasing clay with brick fragments	6-8	8	9.10		
8-10*			8-10*	8	13.24		
10		Clayey Sand Red, fine grained, medium dense, poorly graded, wet	10-12	50	33.14	Shallow groundwater at 10' - 11'	
12		Sand Brown, fine grained, loose, poorly graded, saturated	12-14	50	19.34	Black and orange angular fragments Groundwater at 15.5' - 18'	
14		Silty Clay Gray and brown, stiff, 10% gravel, damp	14-16	50	20.04		
16		Sand Brown, fine grained, well graded, 10% gravel, saturated	16-18	50	16.47		
18		Sandy Clay Brown, hard, damp	18-20*	50	7.41	Soil sample collected (18' - 20') at 14:17 for laboratory analysis	
18-20*		Silty Clay Light gray, soft, 10% gravel, damp	18-20*	50	7.41		
20		Hard					
End of Boring							

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GGSB-33
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				
0		Silty Clay Black with gray mottling, medium plasticity, medium stiff, damp, trace of coke	0-2*	75	18.77	Southwest of SEMW-2 Soil sample collected (0" - 6") at 08:40 for laboratory analysis Soil sample collected (2' - 4') at 08:50 for laboratory analysis Odor (3' - 4')
2		2% gravel Moist	2-4*		37.53	
4		Damp	4-6	90	14.10	Odor (6' - 7')
6		Green and tan	6-8		9.96	
8		Black	8-10*		22.19	Soil sampled collected (8' - 10') at 09:00 for laboratory analysis
10		End of Boring				
12						
14						
16						
18						
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0997.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-34
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northeast of SEMW-2 Soil sample collected (0" - 6") at 09:10 for laboratory analysis Soil sample collected (2' - 4') at 09:25 for laboratory analysis Coal Fragments (3.5' - 4')
0		Topsoil				
0-2		Sandy Silt Black and brown, low plasticity, soft, damp	0-2*	80	4.69	
2-4			2-4*		12.36	
4-6		Silty Sand Tan, orange, and black, loose, poorly graded, dry	4-6		25.17	
6-8		Sand Orange and brown, medium grained, medium dense, poorly graded, damp	6-8	50	16.45	
8-10		Silty Clay Brown, medium plasticity, medium stiff, damp	8-10*		13.45	Soil sample collected (8' - 10') at 09:30 for laboratory analysis
10		End of Boring				
12						
14						
16						
18						
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JM0131.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-36
Date Drilled: 1/31/2012
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					North of Building
0		Gravel/Fill					
0-2		Fill (Sand) Brown, medium grained, loose, poorly graded, damp	0-2	60	0.62	10.10	
2-4			2-4		0.42	9.74	
4-6*		Black staining (no odor)	4-6*		0.53	399	
6-8		Brown, coarse grained, trace of gravel, saturated	6-8	30	0.47	62.85	
8-10			8-10		0.37	673	
10-12			10-12	15	0.57	810	
12-14		Black, trace of wood fragments	12-14		0.70	572	
14-16		Sandy Gravel Gray, fine grained, loose, well graded, saturated	14-16	75	0.69	88.21	
16-18		Sand Brown, medium grained, loose, poorly graded	16-18		0.74	5.87	
16-18		Gravel Gray, medium grained, loose, well graded, sub-rounded, saturated	16-18		0.74	5.87	
18-20		Clayey Sand Brown, fine grained, dense, poorly graded, saturated	18-20	75	0.99	2.71	
18-20		Medium grained	18-20		0.99	2.71	
18-20		Fine grained, wet	18-20		0.99	2.71	

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM0131.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-36
Date Drilled: 1/31/2012
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
22	/	Sandy Clay Brown, medium plasticity, stiff, wet Damp	20-22	80	1.72	2.69	Soil sample collected (22' - 24') at 10:10 for laboratory analysis
24			22-24*		0.48	2.39	
24		End of Boring					
26							
28							
30							
32							
34							
36							
38							
40							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM0131.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-37
Date Drilled: 1/31/2012
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					North of Flame Tower and east of GSSB-36
0-2		Fill (Silty Clay) Black with coal, coke and plastic fragments, trace of fine gravel	0-2		127	1.63	
2-4			2-4	40	162	0.37	Refusal at 4'; moved closer to piping
4-6		Medium grained, trace of sand, loose Clay Black and green, high plasticity, soft, trace of sand, moist	4-6		145	114	Black sheen (4' - 6') Odor (4' - 12')
6-8*			6-8*	40	266	302	Coal tar present (4' - 8') Refusal at 6.5'; moved closer to piping
8-10			8-10		219	155	Soil sample collected (6' - 8') at 16:40 on 2/2/2012 for laboratory analysis
10-12		Increasing sand Gravelly Sand Light gray, medium grained, medium dense, well graded, saturated	10-12	50	110	49.75	Groundwater at 11'
12-14		Black Fine grained, poorly graded, trace of gravel	12-14		54.85	17.72	
14-16		Brown and orange, coarse grained, well graded Gray, medium grained, hard, no gravel	14-16	75	75.11	7.11	
16-18*		Clay Brown and orange, medium plasticity, stiff, trace of sand, damp Gray	16-18*		84.57	4.54	Soil sample collected (16' - 18') at 12:30 for laboratory analysis (MS/MSD)
18-20			18-20	75	81.19	4.79	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM0131.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-38
Date Drilled: 1/31/2012
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					West of GSMW-19 near ballard
0-2		Fill (Sand) Brown, coarse grained, loose, well graded, damp	0-2	60	6.74	72.59	Brick, coke, coal, and plastic comprise 20% of fill material (0' - 4')
2-4			2-4		2.74	45.80	
4-6		Silty Clay Brown, medium plasticity, medium stiff, moist	4-6	60	36.80	3.74	Soil sample collected (8' - 10') at 15:20 for laboratory analysis (GSSBD)
6-8			6-8		41.35	6.30	
8-10*		Clayey Sand Gray, fine grained, dense, poorly graded, damp	8-10*	60	33.49	8.17	
10-12			10-12		35.77	4.37	
12-14		Sand Brown, coarse grained, loose, poorly graded, wet	12-14	90	35.79	5.50	Groundwater at 11.5'
12-14		Sandy Gravel Brown, medium grained, loose, well graded, saturated	12-14		35.79	5.50	
14-16		Clay Gray, medium plasticity, stiff, damp	14-16		36.11	4.10	
16-18*			16-18*	90	25.99	3.17	Soil sample collected (16' - 18') at 16:00 for laboratory analysis
18-20			18-20		28.24	5.41	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM0131.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-39
Date Drilled: 03/01/2012
Personnel: Andrew Herrmann
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				South of GSSB-19
0-2		Fill (Sand) Black, medium grained, loose, poorly graded, damp	0-2		0.13	Coke fragments (0' - 2')
2-4		Fill (Sandy Clay) Black, medium stiff, moist	2-4	60	2.21	Coal fragments (3' - 4')
4-6*		Fill (Silty Sand) Black, medium grained, medium dense, poorly graded, damp	4-6*		2.89	Soil sample collected (4' - 6') at 09:58 for laboratory analysis (GSSBD-2)
6-8		Coal	6-8	50	0.52	
8-10*		Fill (Sand) Black, medium grained, dense, well graded, damp	8-10*		0.31	Soil sample collected (8' - 10') at 10:15 for laboratory analysis
10-12		Coal	10-12	20	0.69	Groundwater at 11'
12-14		Fill (Gravel) Gray, coarse grained, dense, poorly graded, damp	12-14		0.96	
14-16*		Sand Brown, fine grained, loose, poorly graded, wet	14-16*	100	0.71	Soil sample collected (14' - 16') at 10:12 for laboratory analysis
16-18		Silty Clay Brown, medium stiff, wet				Well installed with screen 6' - 16'
18-20		Sand Yellow, medium grained, dense, well graded, wet				
		Sandy Clay Brown, soft, wet				
		Sand Brown, fine grained, loose, well graded, saturated				
		Wet				
		Sandy Clay Orange, hard, damp				
		Silty Clay Gray, hard, damp				
		End of Boring				

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-40
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface					Boring Location: NE of weigh station along creek	
0		Asphalt/Crushed Stone						
0-2		Coke Dry	0-2	75	8	35		
2-4	2-4		5		66			
4-6		Sand Tan, medium grained, loose, poorly graded, 8% gravel,damp	4-6	75	32	90		
6-8	6-8		34		95			
8-10	8-10		15		62			
10-12*			10-12*	75	37	80		Soil sample collected (10' - 12') at 16:15 for laboratory analysis
12		Saturated at 12'						Groundwater at 12'
12-14			12-14		62	150		Black staining and odor (12' - 15')
14-16		Silty Clay Gray, medium plasticity, stiff, damp	14-16	100	24	110		
16-18	16-18		18	84				
18-20*	18-20*		100	8	42	Soil sample collected (18' - 20') at 16:30 for laboratory analysis		
20		Very stiff						
		End of Boring						

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-41
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface					Boring Location: SW of GSSB-6 along creek	
		Asphalt/Crushed Stone						
0-2		Coke w/ Gravel Damp	0-2	75	40	36	Soil sample collected (8' - 10') at 14:10 for laboratory analysis	
2-4			2-4		50	78		
4-6			4-6	100	68			
6		Trace brick						
6-8		Sandy Clay Brown, medium plasticity, medium stiff, moist	6-8	75	140	84		
8-10*			8-10*		150	78		
10-12		Gravelly Sand Brown, coarse grained, loose, well graded, damp	10-12	100	150	160		Groundwater at 12'
12-13			12-13		160	130		Black staining and odor (12' - 13')
13-14			13-14		120	40		
14-16		Silty Clay Gray, low-plastic, stiff, damp	14-16	100	95	30		
16-18			16-18		60	18		
18-20*			18-20*		42	9	Soil sample collected (18' - 20') at 14:25 for laboratory analysis	
18		Very stiff at 19'						
20							Refusal at 20'	

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-42-1
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: Half the distance between GSSB-100 and GSSB-101 along creek
0		Coke Dry	0-2		70	130	
2		Fill (Sand and Gravel) Damp, 10% coke fragments	2-4	75	130	110	
4			4-6		135	60	
6		Sand Brown, loose, well graded, 5% gravel, damp	6-8	100	115	60	
8		Medium dense	8-10*		130	70	
10			10-12	100	160	105	Trace of water at 9.5' Soil sample collected (10' - 12') at 15:25 for laboratory analysis
12		Silty Clay Brown, stiff, 5% gravel, damp Gray, very hard	12-13		60	45	
14			14-16	100	10	15	
16		Dry	16-18		12	20	
18			18-20*	100	8	14	Soil sample collected (18' - 20') at 15:00 for laboratory analysis
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-42-1
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
			20-21		9	13	Refusal at 21'
22		End of Boring					
24							
26							
28							
30							
32							
34							
36							
38							
40							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-42-2
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: 5' south of GSSB-42-1 in an attempt to locate water bearing unit
0		Coke Dry	0-2		--	--	
2		Fill (Sand and Gravel) Damp, 10% coke fragments	2-4	75	--	--	
4			4-6		--	--	
6		Sand Brown, loose, well graded, 8% gravel, damp	6-8	75	--	--	
8			8-10		--	--	
10		Silty Clay Brown, stiff, 5% gravel, damp	10-12	100	--	--	
12		Gray, very stiff, dry	12-14		--	--	
14		3" sand seam at 13', gray, medium grained, poorly graded, damp	14-16	100	--	--	
16			16-18		--	--	
18			18-20	100	--	--	
20							Trace of moisture at sand/clay contact

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-43
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					SE of bend in gravel road NE of GSMW-33
0		Gravel and Coal Dry	0-2		12	100	
2		Coke 5% gravel, damp	2-4	75	40	260	
4			4-6		65	280	
6		Silty Clay Dark gray, medium plasticity, medium stiff, moist	6-8	75	90	6,000	
8		Soft, very moist	8-10*		112	8,100	Soil sample collected (8' - 10') at 11:20 for laboratory analysis (GSSBD-1)
10		Sand Gray, fine grained, loose, poorly graded, wet	10-12	100	40	315	Groundwater at 10'
12			12-13		60	330	
14		Brown, coarse grained	14-16	100	50	190	
16		Silty Clay Gray, low plasticity, stiff, damp	16-18		38	220	
18			18-20*	100	25	95	Soil sample collected (18' - 20') at 11:35 for laboratory analysis
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-44
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: North of GSSB-110
0		Grass/Topsoil					
0-2		Clayey Sand Brown, medium grained loose, well graded, damp	0-2	75	12	20	Black staining and odor (2' - 4')
2-4		Gravelly Sand Light brown, medium grained, loose, well graded, damp	2-4		22	100	
4-6		Sandy Clay Brown, medium plasticity, medium stiff, damp	4-6	75	73	100	
6-8			6-8		60	140	
8-10*			8-10*	100	125	140	Soil sample collected (8' - 10') at 09:40 for laboratory analysis
10-12		Gravelly Sand Brown, medium grained, loose, well graded, moist Wet at 11'	10-12		160	150	Groundwater at 11'
12-13		Silty Clay Brown, medium plasticity, stiff, moist 3" black sand seam at 13.5'	12-13	75	125	105	Odor in black sand seam Groundwater at 14' Odor (14' -19.5')
14-16		Sandy Gravel Black, coarse grained, loose, saturated	14-16		150	190	
16-18			16-18		190	230	
18-20			18-20	75	210	205	
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JM1667.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-44
Date Drilled: 11/26/12
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
22		Silty Clay Brown, medium plasticity, stiff, damp	20-22	100	140	45	No odor; black water smeared down sample liner Soil sample collected 22' - 24' at 10:05 for laboratory analysis
24			22-24*		90	5	
24		End of Boring					
26							
28							
30							
32							
34							
36							
38							
40							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0403.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-45
Date Drilled: 03/21/13
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: SW of GSSB-50
0		Grass/Topsoil					
2		Gravelly Sand Brown, fine grained, medium dense, well graded, 20% gravel, damp	0-2	75	1	1	Odor (8' - 10') Soil sample collected (8' - 10') at 14:00 for laboratory analysis (GSSBD-1)
2			2-4		1	1	
4			4-6	75	1	1	
6		Coarse grained, moist at 6'	6-8		1	2	
8			8-10*	50	3	15	
10		Sand Dark gray, medium grained, loose, poorly graded, saturated	10-12		2	4	
12		Silty Clay Gray, low plasticity, medium stiff, 10% gravel, moist	12-14	75	1	14	
14		Hard, moist at 14'	14-16		1	4	
16			16-18	75	1	3	
18		Damp at 18'	18-20*		1	3	
20		End of Boring					Soil sample collected (18' - 20') at 14:10 for laboratory analysis

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0403.320
Client Name: Citizens Energy Group
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-46
Date Drilled: 03/21/13
Personnel: M.O. - ARK
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: NW of transect 18
0		Grass/Topsoil					
2		Gravelly Sand Brown, fine grained, medium dense, well graded, 20% gravel, damp	0-2	75	1	2	2" brick at 1.5'
4			2-4		1	2	
6			4-6		3	4	
6		Silty Clay Dark gray, medium plasticity, soft, very moist	6-8	50	14	20	Wet at 6' Odor (6' - 12')
8			8-10*	50	20	23	Soil sample collected (8' - 10') at 13:00 for laboratory analysis
10		Clayey Sand Black, fine grained, loose, well graded, 15% gravel, saturated	10-12		35	20	
12		Silty Clay Gray, low plasticity, hard, 10% gravel, damp	12-14	100	4	7	Groundwater at 10'
14			14-16		2	2	
16			16-18		2	2	
18			18-20*	100	2	2	Soil sample collected (18' - 20') at 13:15 for laboratory analysis (MS/MSD)
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-55
Date Drilled: 05-29-13
Personnel: M.C. - Ark
Boring Location: See comments below
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: W of GSSB-56
0-2		Coke, Coal, Sand, and Wood Fill Black			570	1,200	
2-4				75	1,100	8,000	Black tar 3' - 4'
4-6		Silty Clay Brown, medium plasticity, medium stiff, trace of gravel, damp			230	1,700	Soil sample collected (6' - 8') at 14:20 for laboratory analysis
6-8*		Gray at 5.5'		100	1,300	9,000	
8-10					1,050	8,200	
10-12		Gravelly Sand Gray, coarse grained, medium dense, saturated		100	820	7,000	Reddish-brown product (9.5' - 12.5')
12-14					260	350	
14-16				100	112	52	Soil sample collected (18' - 20') at 14:30 for laboratory analysis
16-18		Silty Clay Brown, low plasticity, stiff, damp			31	7.6	
18-20*		Gray, dry at 16'		100	7.1	3.3	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-56
Date Drilled: 05/29/13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-55
0-2		Coke Damp	0-2		22	13	
2-4		Trace of clay (3' - 4')	2-4	50	31	20	
4-6		Moist at 4'	4-6		47	32	
6-8			6-8	50	60	52	
8-10		Wet at 8' Silty Clay Black, medium plasticity, medium stiff, moist	8-10		136	85	Odor (8' - 16')
10-12*			10-12*	100	162	93	Soil sample collected (10' - 12') at 13:40 for laboratory analysis (GSSB-2)
12-14		Gravelly Sand Dark gray, coarse grained, loose, well graded, saturated	12-14		315	112	Reddish-brown product (12' - 15.5') Groundwater at 12'
14-16			14-16	100	260	88	
16-18		Silty Clay Gray, low plasticity, medium stiff, 3% gravel, damp Dry (16.5' - 20')	16-18		30	8	
18-20*			18-20*	100	7	2	Soil sample collected (18' - 20') at 13:50 for laboratory analysis
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-57
Date Drilled: 05/29/13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: S of GSSB-51
0		Coke Damp, 2" gravel (10" - 12")	0-2		26	8	
2		Fill (Gravelly Sand) Brown, medium grained, loose, well graded, damp	2-4	50	12	3	Soil sample collected (4' - 6') at 15:50 for laboratory analysis
4		3" coke seam overlying silty clay	4-6*		7	2	
6		Silty Clay Dark grayish brown, medium plasticity, medium stiff, moist	6-8	75	5	2	
8		Soft (7.5' - 8')					
8		Sandy Clay Gray, medium plasticity, soft, wet	8-10		6	2	Groundwater at 10'
10		Gravelly Sand Brown, medium grained, medium dense, well graded, saturated	10-12	100	11	4	
12			12-14		335	135	Odor (12' - 14.5')
14		Silty Clay Gray, low plasticity, stiff, 3% gravel, damp	14-16	100	85	15	2" of reddish-brown product on top of clay at 14'
16		Dry (16' - 17')	16-18		12	4	
18		Sand Gray, fine grained, loose, poorly graded, wet	18-20*	100	3	1	Soil sample collected (18.5' - 20') at 16:00 for laboratory analysis
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-57
Date Drilled: 05/29/13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
22		Sandy Clay Gray, low plasticity, stiff, trace of gravel, damp End of Boring					
24							
26							
28							
30							
32							
34							
36							
38							
40							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-58
Date Drilled: 05-29-13
Personnel: M.C. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-59
0-2		Coke, Coal, Sand, and Gravel Fill Black, dry	0-2		43	0.0	
2-4			2-4	75	38	0.1	
4-6			4-6		79	1.2	
6-8*		Silty Clay Gray, medium plasticity, soft, moist	6-8*	60	108	2.4	Soil sample collected (6' - 8') at 9:45 for laboratory analysis
8-10		Gravelly Sand Reddish-brown, coarse grained, medium dense, well graded, saturated	8-10		180	3.8	Groundwater at 8' Odor (6' - 15')
10-12		Clayey Sand Brown, coarse grained, medium dense, well graded, saturated, some gravel Gray	10-12	75	175	6.9	
12-14		Sandy Gravel Gray, coarse grained, loose, saturated	12-14		220	140	
14-16		Silty Clay Gray, low plasticity, stiff, damp	14-16	90	111	13	
16-18		Dry	16-18		14	7.8	
18-20*			18-20*	100	7.2	1.4	Soil sample collected (18' - 20') at 09:55 for laboratory analysis (MS/MSD)
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-59
Date Drilled: 05-29-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: SW of GSSB-58
0-2	█	Coke and Gravel Fill Black, dry	0-2		7	2	
2-4	█	Silty Clay Brown, medium plasticity, medium stiff, moist, trace of sand and gravel	2-4	25	10	2	
4-6	█		4-6	100	9	8	
6-8*	█		6-8*	100	16	12	Soil sample collected (6' - 8') at 09:40 for laboratory analysis
8-10	█	Sand Gray, medium grained, medium dense, well graded, wet	8-10		20	10	Odor (6' - 11') Groundwater at 9.5'
10-12	█	Sandy Clay Brown, medium plasticity, medium stiff, moist	10-12	100	14	3	
12-14	█	Gravelly Sand Gray, coarse grained, loose, well graded, saturated	12-14		3	2	
14-16	█	Silty Clay Gray, low plasticity, stiff, damp, trace of sand and gravel	14-16	100	2	2	
16-18	█	Gravelly Sand Gray, coarse grained, well graded, saturated	16-18		2	2	
18-20*	█		18-20*	100	1	1	Soil sample collected (18' - 20') at 09:50 for laboratory analysis
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-60
Date Drilled: 05-29-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface					Boring Location: S of GSSB-59	
0	█	Coke Fill with Clay Damp	0-2	50	6	1		
2	█	Gravelly Sand Brown, moist, trace of coke	2-4		6	1		
4	▨	Silty Clay Dark brown, medium plasticity, medium stiff, moist	4-6	50	22	4		
6	▨		6-8*		45	6		
8	▨							Soil sample collected (6' - 8') at 10:40 for laboratory analysis
8.5								Groundwater at 8.5'
10	▨	Sand Brown and gray, medium grained, medium dense, well graded, trace of gravel, saturated	8-10	50	37	5		
10	▨		10-12		7	2		
12	▨	Sandy Clay Gray, low plasticity, medium stiff, damp, 5% gravel Dry	12-14	100	2	2		Oxidation for first 2" of sandy clay
14	▨		14-16		2	1		
16	▨		16-18		2	1		
18	▨	Silty Clay Gray, low plasticity, stiff, damp, 5% gravel	18-20*	100	2	1		Soil sample collected (18' - 20') at 10:50 for laboratory analysis
18	▨		18-20*		2	1		
20		End of Boring						

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-61
Date Drilled: 05-29-13
Personnel: M.C. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: S of GSSB-60
		Asphalt/Crushed Stone	0-2		1.7	0.0	
2		Coal and Coke Fill Black, dry	2-4	80	19	4.0	
4			4-6		27	5.3	
6		Silty Clay Gray, medium plasticity, stiff, damp, trace of gravel	6-8*	80	30	8.3	Soil sample collected (6' - 8') at 12:05 for laboratory analysis
8		Brown	8-10		12	7.7	
10			10-12	100	6.1	3.8	Groundwater at 11'
12		Sand Gray, medium grained, medium dense, poorly graded, saturated	12-14		4.2	1.5	
14		Gravelly Sand Brown, coarse grained, loose, well graded, saturated	14-16	100	4.2	1.3	
16		Sand Gray, medium grained, medium dense, poorly graded, saturated	16-18		3.1	1.3	
18		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	18-20*	100	1.9	0.1	Soil sample collected (18' - 20') at 12:35 for laboratory analysis
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-62
Date Drilled: 05-29-13
Personnel: M.C. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-60
0		Coal, Coke, Sand, and Gravel Fill Black	0-2		15	1.4	
2			2-4	80	13	0.8	
4		Silty Clay Brown, medium plasticity, medium stiff, damp	4-6		31	2.7	
6		Gray, soft, moist	6-8*	80	32	9.0	Soil sample collected (6' - 8') at 16:10 for laboratory analysis
8		Sandy Gravel Black, coarse grained, dense, well graded, damp	8-10		23	8.6	
10			10-12	80	18	23	Groundwater at 11'
12		Gravelly Sand Gray, coarse grained, medium dense, well graded, saturated	12-14		9.9	2.1	
14		Silty Clay Gray, low plasticity, stiff, damp	14-16	100	6.2	0.7	
16			16-18*	100	6.1	0.8	Soil sample collected (16' - 18') at 16:20 for laboratory analysis
18		End of Boring					
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-63
Date Drilled: 05-29-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Earth Exploration

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: N of GSSB-61
		Asphalt/Crushed Stone					
0-2		Fill (Sand) Damp	0-2	50	1	1	Coke fragments (1' - 7')
2-4			2-4		11	8	
4-6			4-6		12	13	
6-8*		Fill (Silty Clay) Dark gray, high plasticity, soft, moist	6-8*	50	20	15	Soil sample collected (6' - 8') at 11:55 for laboratory analysis (GSSBD-1)
8-9'		Sand Brown, medium grained, loose, well graded, wet					Iron oxidation (8' - 9')
8-10		Gravelly Sand Gray and reddish-brown, coarse grained, loose, well graded, saturated Gray below 9'	8-10	75	12	9	Groundwater at 8'
10-12			10-12		6	2	
12-14		Sandy Clay Gray, low plasticity, stiff, damp, 5% gravel	12-14	100	2	2	
14-16			14-16		1	1	
16-18		Silty Clay Gray, low plasticity, medium stiff, damp, 5% gravel	16-18	100	1	1	
18-20*			18-20*		1	1	Soil sample collected (18' - 20') at 12:05 for laboratory analysis
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-64
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: N of GSSB-55
0		Coke dry	0-2		1.0	1.6	
2		Silty Clay Brown, medium plasticity, medium stiff, moist, trace of sand and gravel	2-4	100	5.0	5.8	Odor 4' - 14'
4		Increase in sand and gravel 3' - 4'	4-6		6.1	7.3	
6		Soft	6-8	100	45	63	
8			8-10		40	61	
10		Sandy Clay Gray, medium plasticity, soft, moist, trace of gravel	10-12	100	33	43	Groundwater at 11.5'
12		Gravelly Sand Gray, coarse grained, medium dense, well graded, saturated	12-14		98	32	
14		Silty Clay Brown, low plasticity, medium stiff, damp, trace of gravel Gray and very stiff	14-16	100	27	18	Reddish-brown product (13'-13.5')
16			16-18		11	8.9	
18			18-20	100	2.6	2.1	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-65
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface					Boring Location: W of GSSB-67	
0	█	Coke damp	0-2		8	0.5	No product observed	
2	▨	Sandy Clay Brown, medium plasticity, medium stiff, damp, trace of gravel	2-4	100	1	0.5		
4	▨	Gray, soft, and moist	4-6	50	16	21	Odor 10.5' - 17' Groundwater at 12'	
6	▨		6-8		6	3.8		
8	▨	Sand Gray, medium grained, loose, well graded, wet	8-10	50	4	3		
10	▨	Sandy Clay Brown, medium plasticity, soft, moist, trace of gravel	10-12		37	79		
12	▨	Sand Brown, medium grained, medium dense, well graded, moist Saturated	12-14	100	26	14		
14	▨		14-16		30	42		
16	▨	Silty Clay Brown, low plasticity, stiff, damp, trace of sand and gravel	16-18	100	11	20		
18	▨		18-20		7	10		
20		End of Boring						

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-66
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-64
0		Coke and Sand Fill damp	0-2		5.4	4.1	No product observed
2			2-4	100	19	16	
4		Silty Clay Brown, medium plasticity, medium stiff, moist, trace of gravel	4-6		24	28	Odor 8' - 16'
6			6-8	100	31	36	
8		Gray	8-10		54	50	
10			10-12	100	600	429	
12		Weak and soft	12-14		68	42	Groundwater at 16'
14			14-16	100	103	75	
16		Sand Gray, fine grained, dense, well graded, wet, trace of gravel Saturated at 16'	16-18		22	17	
18		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel Dry at 19'	18-20	100	5.1	3.2	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-67
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: S of GSSB-66
0		Coke and Sand Fill dry	0-2		2.2	1.2	
2		Sandy Clay Brown, low plasticity, medium stiff, damp, trace of gravel	2-4	50	6.3	5.4	
4		Silty Clay Dark brown, medium plasticity, medium stiff, moist, trace of gravel	4-6		9.1	6.0	
6			6-8	40	10.4	6.7	
8		Gray Weak and soft	8-10		10.8	6.8	
10		Sand Dark gray, medium grained, medium dense, poorly graded, saturated, trace of gravel	10-12	100	27	22	
12			12-14		2,000	1,500	
14		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel Dry	14-16	100	19	13	
16			16-18		7.0	6.2	
18			18-20	100	3.5	2.1	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-68
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: S of GSSB-67
0		Fill (Sand) Dry	0-2		0.5	0.5	
2			2-4	50	0.5	0.3	No product observed Coke fragments (0.5' - 1')
4		Moist	4-6		5.2	2.0	
6		Silty Clay Dark gray and brown, medium plasticity, medium stiff, damp, trace of gravel	6-8	50	3.2	8.5	
8		Soft and moist	8-10		1.2	6.0	Coke fragments (3.5' - 5')
10		Sand Gray, medium grained, dense, well graded, wet, trace of gravel	10-12	100	0.8	1.0	
12		Saturated with increase in gravel	12-14		1.0	0.8	
14		Sandy Clay Brown, low plasticity, stiff, damp, trace of gravel	14-16	100	0.5	0.4	
16		Gray Decrease in sand	16-18		0.4	0.4	Groundwater at 12'
18		Sand Gray, fine grained, dense, poorly graded, moist	18-20	100	0.3	0.2	
20		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel					
		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-69
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-67
0		Coke, Sand, and Clay Fill Damp	0-2		3.0	4.4	No product observed
2			2-4	100	34	27	
4			4-6		16	11	
6	Moist		6-8	70	12	14	
8	Wet	Silty Clay Dark gray, medium plasticity, medium stiff, moist, trace of gravel	8-10		13	8.3	Odor 8' - 13'
10	Soft		10-12	50	51	34	
12		Sand Gray, medium grained, dense, well graded, moist, trace of gravel	12-14		27	21	Groundwater at 12.5'
14		Saturated	14-16	75	11	6.3	
16		Silty Clay Reddish-brown, low plasticity, stiff, damp, trace of gravel	16-18		2.5	4.1	
18		Gray Dry	18-20	100	1.9	2.0	
20		Sand Brown, fine grained, dense, well graded, moist, trace of gravel					
		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel					
		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-70
Date Drilled: 06-04-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-68
0-2		Coke Dry			3.1	5.6	
2-4		Moist		100	3.7	5.8	Wood chips (4' - 6')
4-6		Wet			5.1	8.2	
6-8		Silty Clay Dark gray, medium plasticity, medium stiff, moist, trace of gravel		75	192	286	Odor 4' - 12'
8-10		Soft			28	24	
10-12		Gravelly Sand Gray, coarse grained, dense, well graded, wet		75	19	23	Groundwater at 12' Trace amount of reddish-brown product (12' - 12.5')
12-14		Sandy Clay Gray, low plasticity, stiff, damp, trace of gravel			12	9.9	
14-16		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel		100	8.0	7.4	
16-18		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel			5.2	3.4	
18-20		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel		100	3.0	2.7	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-71
Date Drilled: 06-14-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: SW of GSSB-65
0	█	Coke Dry	0-2		2,968	68.57	No product observed
2	▨	Sandy Clay Brown, medium plasticity, medium stiff, moist, trace of gravel	2-4	50	3,217	10.17	
4	▨	Soft 4' - 7'	4-6		3,089	7.23	Groundwater at 8'
6	▨		6-8	75	1,692	14.93	
8	▨	Soft and wet 8' - 9'	8-10		2,905	9.40	
10	▨	Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	10-12	100	3,609	13.22	
12	▨	Dry 12' - 15'	12-14		2,200	6.96	
14	▨		14-16	100	1,150	7.85	
16		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-72
Date Drilled: 06-14-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: W of GSSB-64
0-2		Coke and Sand Fill Damp			513	5.79	
2			2-4	75	3,460	37.42	
4		Sandy Clay Brown, medium plasticity, medium stiff, moist, trace of gravel	4-6		2,681	67.18	
6			6-8	40	2,468	287	
8		Dark gray	8-10		2,324	1,007	Odor 8' - 18'
10			10-12	100	3,782	574	
12		Sand Dark gray, medium grained, loose, well graded, saturated, trace of gravel	12-14		1,721	4,560	Groundwater at 12' Sheen on groundwater
14			14-16	50	2,590	6,257	
16			16-18		4,193	3,572	Trace amount of reddish-brown product at 15'
18		Silty Clay Brown, medium plasticity, medium stiff, moist, trace of gravel Gray	18-20	100	553	34.57	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-73
Date Drilled: 06-14-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-64
0		Coke and Sand Fill Dry	0-2		1,562	8.92	No product observed
2			2-4	50	672	25.16	
4		Damp	4-6		721	10.12	
6		Sandy Clay Brown, medium plasticity, medium stiff, moist, trace of gravel	6-8	75	681	9.72	
8			8-10		161	9.37	Odor 11' - 12' Groundwater at 12'
10		Sand Gray, medium grained, loose, well graded, wet, trace of gravel	10-12	100	397	14.38	
12		Saturated	12-14		51	7.63	
14			14-16	75	41	7.0	
16		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	16-18	100	20	4.7	
18		End of Boring					
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-74
Date Drilled: 06-14-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: N of GSMW-31
0-2		Coke Dry	0-2		8.53	17.92	
2-4			2-4	50	8.96	18.50	Red product at 3.9'
4-6		Fill (Clay) White, high plasticity, soft, moist	4-6		80.56	1,792	
6-8		Fill (Clayey Sand) Soft, moist, coal fragments	6-8	75	459	8,400	Black product mixed with coal fragments (4' - 8')
8-10		Silty Clay Dark gray, medium plasticity, medium stiff, damp, trace of gravel	8-10		88.12	2,763	Groundwater at 12'
10-12		Trace of sand	10-12	75	36.52	301	
12-14		Gravelly Sand Gray with black staining, coarse grained, loose, well graded, saturated	12-14		90.12	161	Reddish-brown product (12' - 17')
14-16			14-16	100	1.96	87.42	
16-18			16-18		3.11	67.69	
18-20		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	18-20	100	0.51	11.27	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-75
Date Drilled: 06-14-13
Personnel: M.O. - Ark
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-57
0		Coke Dry	0-2		1.03	7.55	No product observed
2		Trace of brick at 2'	2-4	50	1.52	7.75	
4		Silty Clay Reddish-brown, medium plasticity, medium stiff, moist, trace of gravel	4-6		0.83	7.67	Groundwater at 8.5'
6			6-8	50	1.03	8.12	
8			8-10		1.55	37.19	
10		Gravelly Sand Gray, medium grained, loose, well graded, saturated Trace of clay 8.5' - 10'	10-12	50	0.59	30.03	
12		Brown	12-14		0.41	16.18	
14			14-16	50	0.29	20.20	
16		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	16-18	100	0.17	12.77	
18		End of Boring					
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens
Project Name: Prospect Gas Supply
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: GSSB-76
Date Drilled: 06-14-13
Personnel: N.B.
Boring Location: See comments below
Driller: Ark

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					Boring Location: E of GSSB-70
0		Gravel and Coke Fill	0-2		0.62	5.22	No product observed
2			2-4	80	0.23	7.14	
4							
4		Silty Clay Gray, medium plasticity, medium stiff, trace of sand and gravel increasing with depth	4-6		2.03	7.57	Groundwater at 10'
6			6-8	60	2.67	7.92	
8		Soft					
8		Gravelly Sand Brown, medium-coarse grained, loose, well graded, wet	8-10		15.29	19.90	
10		Gray	10-12	75	71.68	17.38	
12		Silty Sand Fine grained, medium dense, poorly graded, wet					
12		Gravelly Sand Medium-coarse grained, loose, well graded, wet	12-14		21.93	16.60	
14		Silty Clay Gray, low plasticity, hard, damp	14-16	95	4.21	15.16	
16		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-77
Date Drilled: 6-14-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0	■	Coal					
0-2	▨	Silty Clay Brown, medium plasticity, hard, dry, trace of sand and gravel	0-2	90	9.81	6.17	
2-4	▨		2-4		5.85	7.75	
4-6	▨	Sandy Clay Brown, medium plasticity, medium stiff, damp, trace of gravel	4-6		5.88	5.53	
6-8	▨		6-8	85	6.01	7.10	
8-10	▨	Clayey Sand Brown, medium plasticity, soft, moist, trace of gravel	8-10		3.51	7.29	
10-12	▨		10-12	75	14.55	7.90	
12-14	▨	Sand Gray, medium grained, loose, well graded, saturated, trace of gravel	12-14		10.01	9.83	
14-16	▨	Silty Clay Brown, low plasticity, stiff, damp, trace of gravel Gray	14-16	95	1.91	4.62	
16		End of Boring					
18							
20							

Groundwater at 11.5'

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-78
Date Drilled: 6-14-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface						
0	■	Coke Dry	0-2		1.63	2.92	No product observed	
2	▨	Silty Clay Reddish-brown, medium plasticity, medium stiff, damp	2-4	75	6.03	7.21		
4			4-6		0.91	5.76		
6		Sandy Clay Brown, medium plasticity, medium stiff, moist, trace gravel Soft 6' - 7'	6-8	100	0.70	6.59		
8			8-10		0.53	11.81		
10			10-12	100	0.22	4.29		
12	▩	Gravelly Sand Brown, coarse grained, medium dense, well graded, saturated	12-14		5.75	14.53		Groundwater at 12'
14			14-16	75	1.53	7.75		
16			16-18		5.22	5.51		
18		Silty Clay Gray, medium plasticity, stiff, moist, trace gravel	18-20	100	2.36	9.00		
20	▩	Sand (3" at bottom of boring) Reddish-brown, coarse grained, loose, well graded, damp						
		End of Boring						

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-79
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface						
0	■	Coal, Sand, and Gravel Fill Damp	0-2		12	1.0	No product observed	
2	▨	Silty Clay Brown, medium plasticity, medium stiff, damp		100				
2	▨	Sandy Clay Brown, low plasticity, medium stiff, damp, trace of gravel	2-4		30	1.5		
4		Moist 5' - 6'	4-6		10	0.5		
6			6-8	100	26	4.2		
8			8-10		13	2.6		
10			10-12	75	21	7.3		
12	▧	Gravelly Sand Brown, medium grained, medium dense, well graded, wet Saturated	12-14		24	9.5		Groundwater at 12'
14	▧	Sand Reddish-brown, fine grained, loose, poorly graded, saturated	14-16	75	4.6	3.2		
16	▧		16-18		2.0	2.6		
18	▨	Silty Clay Brown, medium plasticity, medium stiff, moist, trace of gravel	18-20	100	2.1	2.4		
20		End of Boring						

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-80
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Coal Damp	0-2		3.0	4.4	
2			2-4	50	3.1	4.7	
4			4-6		14	19	
6		Trace of clay 6' - 7' Wet	6-8	50	26	33	Wet 6' - 9'
8			8-10		17	53	Sheen on water 7' - 9'
10		Silty Clay Dark gray, medium plasticity, medium stiff, moist Weak and soft	10-12	100	13	44	Groundwater at 11.5'
12		Gravelly Sand Gray, coarse grained, loose, well graded, saturated	12-14		10	8.2	
14		Increase in rounded gravel 14' - 15' Trace of clay	14-16	100	13	29	Black staining and reddish-brown product (14' -15')
16		Silty Clay Gray, 2" in cutting shoe End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-81
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Coke, Sand, Gravel, and Coal Fill Damp	0-2		7.2	1.2	No product observed
2			2-4	75	8.4	1.6	
4			4-6		9.2	4.8	Trace of brick (4' - 5')
6		Wet					
6		Silty Clay Gray, medium plasticity, medium stiff, moist	6-8	50	10.7	9.3	Groundwater at 12'
8			8-10		5.2	1.7	
10		Weak and soft with trace of sand	10-12	50	11.0	5.5	
12		Gravelly Sand Gray, medium grained, dense, well graded, wet Saturated	12-14		10.6	5.8	
14			14-16	100	9.2	5.9	
16		Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	16-18	100	7.2	3.9	
18		End of Boring					
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-82
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2	█	Coke Damp	0-2		2.2	7.1	
2-4	█	Sand Brown, medium grained, loose, poorly graded, damp	2-4	75	11.4	3.6	
4-6	█	Silty Clay Brown, medium plasticity, medium stiff, moist	4-6		12	2.2	
6-8	█		6-8	100	18.9	4.6	
8-10	█	Gravelly Sand Brown, medium grained, loose, well graded, wet Saturated 8.5'	8-10		43	16.9	Groundwater at 8.5' 3" reddish-brown product on top of clay at 9'
10-12	█	Sandy Clay Grayish-brown, medium plasticity, medium stiff, moist	10-12	100	58	31	
12-14	█	Silty Clay Gray, low plasticity, stiff, damp, trace of gravel	12-14		27	18	
14-16	█		14-16	100	4.9	12	
16		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-83
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Coke, Sand and Gravel Fill Damp	0-2	100	10.2	6.3	No Product
2			2-4		13.4	7.6	
4			4-6	50	12.1	6.8	
6		Silty Clay Brown, medium plasticity, medium stiff, moist	6-8		2.7	2.1	
8		Soft with trace of sand 9' - 10'	8-10	75	4.1	7.2	
10		Gravelly Sand Tan, fine grained, medium dense, well graded, wet Saturated at 11'	10-12		3.0	2.4	
12			12-14	100	1.1	0.3	
14		Silty Clay Gray, low plasticity, stiff, trace of gravel, damp	14-16		1.6	1.2	
16		End of Boring					Groundwater at 11'
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-84
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0	■	Sand and Coal Fill Moist	0-2		1.1	0.4	
2				80			
2	▨	Silty Clay Brown, medium plasticity, medium stiff, moist Coke fragments at 4', 6', and 7.5'	2-4		12	0.2	
4			4-6		13	0.4	
6			6-8	70	112	3.2	
8	▩	Gravelly Sand Gray, coarse grained, loose, well graded, wet	8-10		9.3	1.2	
10		Brown and saturated at 10'	10-12	75	12.4	4.1	Groundwater at 10'
12		Increase in gravel 12' - 14'	12-14		218	171	Reddish-brown product (13' - 14')
14	▨	Silty Clay Gray, low plasticity, stiff, trace gravel, damp	14-16	90	138	120	
16		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-85
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Fill (Silty Clay) Brown, low plasticity, weak, damp	0-2	50	0.3	0.2	Refusal at 4'; moved approx. 6' N. Refusal at 4'; moved approx. 5' E. Refusal at 4'; moved approx. 4' W. Refusal at 4'
2		6" of crushed coke at 3'	2-4		3.1	2.4	
4		End of Boring					
6							
8							
10							
12							
14							
16							
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-86
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Fill (Sandy Clay) Brown, medium plasticity, soft, moist	0-2		0.4	0.3	Railroad tie, wood chips at 2'
2		Sand, Gravel and Coal Fill Dry	2-4	50	4.1	3.6	
4		Fill (Sandy Clay) Brown, medium plasticity, soft, damp	4-6		5.2	5.7	
6		Crushed Coal Dry	6-8	50	10	6.1	
8		Silty Clay Dark brown, medium plasticity, medium stiff, trace gravel, damp	8-10		22	27	
10		Soft and moist 10' - 11'	10-12	75	34	49	Groundwater at 11'
12		Gravelly Sand Brown, fine to coarse grained, medium dense, well graded, saturated	12-14		146	322	Odor (13' - 17')
14			14-16	100	230	1,045	Reddish-brown product (14' - 15.5')
16		Silty Clay Gray, low plasticity, very hard, trace of gravel, damp	16-18		42	78	
18			18-20	100	1.7	2.3	
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-87
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
		Sand, Gravel and Coke Fill	0-2		11.1	6.2	
2			2-4	75	2.3	4.6	
4		Silty Clay Reddish-brown, medium plasticity, medium stiff, trace gravel, moist	4-6		3.6	4.1	
6		Soft 6' - 7'	6-8	75	3.0	3.1	No visual product
8		Clayey Sand Reddish-brown, fine grained, loose, well graded, wet	8-10		3.3	2.6	
10		Saturated at 10'	10-12	100	3.3	2.5	Groundwater at 10'
12		Sand Brown, medium grained, medium dense, well graded, trace of gravel, saturated	12-14		8.2	6.3	
14		Silt Gray, non-plastic, hard, damp	14-16	100	5.1	4.2	
16		Silty Clay Brown, low plasticity, stiff, trace gravel, dry					
		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-88
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Coke, Sand, Clay, Brick and Coal Fill	0-2		0.8	0.4	
2			2-4	50	14	2.8	
4		Silty Clay Brown, medium plasticity, medium stiff, trace of gravel, damp	4-6		37	0.5	
6			6-8	100	49	1.7	
8		Sand Brown, fine grained, medium dense, well graded, trace of clay and gravel, moist Saturated at 8.5'	8-10		56	7.7	Groundwater at 8.5'
10		Gray at 10.5'	10-12	100	114	42	
12		Sandy Clay Gray, low plasticity, medium stiff, moist	12-14		128	54	
14		Gravelly Sand Gray, coarse grained, loose, well graded, saturated	14-16	75	36	5.6	Trace of reddish-brown product with sheen on water at 15'
16		Silty Clay Reddish-brown, medium plasticity, medium stiff, trace of gravel, moist					
		End of Boring					
18							
20							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN0840.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-89
Date Drilled: 7-2-13
Personnel: M.O. - Ark
Boring Location: GS
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments	
0		Ground Surface						
0	█	Coke Damp	0-2	100	13	1.7	Coke fragments (4' - 6') Odor (6' - 13') Groundwater at 11' Sheen on water but no visible product	
2	█		2-4		243	181		
4	▨	Fill (Silty Clay) Brown, medium plasticity, medium stiff, trace of gravel Soft and moist 4' - 6'	4-6	100	216	83		
6	▨	Sandy Clay Grayish-brown, medium plasticity, medium stiff, trace of gravel Soft 8' - 11'	6-8		280	84		
8	▨		8-10	100	256	87		
10	▨		10-12		246	301		
12	▨	Clayey Sand Black, fine grained, loose, poorly graded, saturated	12-14	100	31	43		
12	▨	Gravel Black, loose, subangular, saturated						
14	▨	Silty Clay Brown, low plasticity, stiff, trace of gravel, damp Gray and dry at 14'	14-16		27	36		
16		End of Boring						
18								
20								

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN1309.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-100
Date Drilled: 8-26-13
Personnel: M.O. - Ark
Boring Location: N. of GSMW-6
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2		Sand, Clay and Gravel Fill Coke fragments, dry	0-2	80	4.2	0.5	Soil sample collected (6' - 8') at 09:45 for laboratory analysis Groundwater at 8'
2-4			2-4		0.3	0.2	
4-6		Clayey Sand Brown, fine grained, medium dense, poorly graded, damp	4-6	60	0.3	0.2	
6-8*		Gravelly Sand Brown, coarse grained, medium dense, well graded, damp Saturated at 8'	6-8*		0.5	0.3	
8-10			8-10	100	0.3	0.2	
10-12		Silty Clay Gray, low plasticity, stiff, trace of gravel, damp Dry at 10'	10-12		0.2	0.2	
12-14			12-14	100	0.2	0.2	
14-16			14-16		0.2	0.2	
16-18			16-18	100	0.2	0.2	
18-20*			18-20*		0.2	0.2	
20		End of Boring					Soil sample collected (18' - 20') at 09:55 for laboratory analysis (MS/MSD)

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN1309.320
Client Name: Citizens Energy Group
Project Name: Gas Supply Additional FSI
Drilling Method: Geoprobe
Site Location: Indianapolis
Elevation: N/A

Soil Boring ID: GSSB-101
Date Drilled: 8-26-13
Personnel: M.O. - Ark
Boring Location: N. of GSSB-100
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2		Coke Fill with Sand and Gravel Dry	0-2		18	0.3	
2-4			2-4	90	16	0.3	
4-6			4-6		15	0.3	
6-8*		Clayey Sand Brown, fine grained, medium dense, poorly graded, damp	6-8*	60	23	0.8	Soil sample collected (6' - 8') at 11:00 for laboratory analysis
8-10			8-10		23	3.5	Odor (9' - 12') Groundwater at 9'
10-12		Gray and saturated at 9'	10-12	50	24	62	
12-14*		Silty Clay Gray, low plasticity, stiff, trace of gravel, damp	12-14*		28	130	Soil sample collected (12' - 14') at 11:05 for laboratory analysis
14-16		Trace of sand and moist 15' - 16'	14-16	100	13	41	Moist (15' - 16')
16-18		Dry at 16.5'	16-18		11	1.2	Dry at 16.5'
18-20*			18-20*	100	6.2	0.4	Soil sample (18' - 20') collected at 11:10 for laboratory analysis
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-109
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of Concrete Pad
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Top Soil Brown	0-2		0.5	Soil sample collected (1' - 3') at 10:50 for laboratory analysis
2		Silty Clay Dark brown, medium plasticity, medium stiff, damp	2-4	80	1.5	
4		Dark brown w/orange mottling	4-6*		36.1	Soil sample collected (4' - 6') at 11:00 for laboratory analysis
6			6-8	60	10.4	
8		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-110
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-109
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Silty Clay Brown, medium plasticity, medium stiff, damp	0-2	80	0.0	Soil sample collected (1' - 3') at 11:25 for laboratory analysis
2		Black, trace of coke	2-4		0.1	
		Brown w/orange mottling		4-6	0.0	
4		Orange, low plasticity	50		0.0	
6		Sandy Clay Gray, medium plasticity, soft, trace of gravel, damp		6-8	0.0	
8		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-111
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-110
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Silty Clay Brown, medium plasticity, medium stiff, damp	0-2	80	1.6	Soil sample collected (1' - 3') at 12:05 for laboratory analysis Soil sample collected (3' - 5') at 12:10 for laboratory analysis
2		Gray with trace of gravel, moist	2-4		0.6	
4			4-6	1.9		
6			6-8	0.8		
8		Sand Orange, coarse grained, loose, well graded, trace of gravel, damp				
		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-112
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-111
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Silty Clay Brown, medium plasticity, medium stiff, damp	0-2	80	0.8	Soil sample collected (1' - 3') at 13:20 for laboratory analysis; odor
2		Black, trace of coke fragments	2-4		2.9	
4		Sandy Clay Orange, low plasticity, soft, damp	4-6	60	1.4	
6		Sand Orange, coarse grained, loose, well graded, damp	6-8		0.7	
8		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-113
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-112
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Silty Clay Dark brown, medium plasticity, medium stiff, damp	0-2	70	0.6	Soil sample collected (1' - 3') at 13:50 for laboratory analysis
2		Coke fragments	2-4		0.2	
4		Sand Orange, loose, well graded, damp	4-6	70	0.8	Soil sample collected (3' - 5') at 13:55 for laboratory analysis
6		Trace of gravel	6-8		0.3	
8		Silty Clay Brown, medium plasticity, medium stiff, damp				
10		End of Boring				
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-114
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-113
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0	[Diagonal Hatching]	Silty Clay Dark brown, medium plasticity, medium stiff, damp	0-2	75	0.6	Soil sample collected (1' - 3') at 14:30 for laboratory analysis
2			2-4		0.8	
4	[Dotted Pattern]	Sand Brown to black, loose, poorly graded, damp Gray Orange, trace of gravel Brown	4-6	40	0.7	Soil sample collected (3' - 5') at 14:35 for laboratory analysis
6			6-8		0.4	
8						
8	[Diagonal Hatching]	Silty Clay Brown, medium plasticity, medium stiff, damp				
		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-115
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-114
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Gravel				
2		Silty Clay Brown w/red mottling, medium plasticity, medium stiff, damp	0-2	65	0.9	Soil sample collected (1' - 3') at 15:10 for laboratory analysis
		Trace of coke fragments	2-4		0.9	
4		Sandy Clay Black, medium plasticity, medium stiff, damp	4-6	50	2.4	
6		Brick fragments Rocks	6-8		2.1	
8		End of Boring				
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JN1536.380
Client Name: Citizens Energy Group
Project Name: BTX Line Investigation
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: GSSB-116
Date Drilled: 10/11/2013
Personnel: N. Skirvin
Boring Location: N. of GSSB-115
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Sandy Silty Clay Dark brown, medium plasticity, medium stiff, damp	0-2	40	0.5	Soil sample collected (1' - 3') at 15:45 for laboratory analysis
2		Orange seams	2-4		0.4	
4		Orangish-brown, low plasticity, soft, damp	4-6	60	0.2	
6			6-8		0.1	
8			End of Boring			
10						
12						
14						
16						
18						
20						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JO1122.380	Date Drilled: 9/24/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641743.76	UTM Easting*: 201753.10
Boring Location: Interim Measure Area	Surface Elevation*: 745.19

GSSB-128

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	SANDY CLAY	Brown, low plasticity, medium stiff, damp, some silt	80	2.1/ NA			Groundwater (4-11'). 6" of product observed at 4'	
1		Brown, medium grained, loose, well graded, damp		24/ NA				
2	SAND	Gray, coarse grained, dense, well graded, saturated	25	176/ NA				
3				70/ NA				
4		SANDY GRAVEL		Dark gray, coarse grained, loose, well graded, saturated				18/ NA
5				35				12/ NA
6	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	11/ NA				
7		Very stiff, dry		8.0/ NA				
8				11/ NA				
9	SAND	Fine 1"	100					Soil sample GSSB-128 (16-18') collected at 1711 and submitted for laboratory analysis.
10	SILT	Gray, non-plastic, weak-soft, damp	10/ NA					
11	SAND	Gray, fine grained, dense, poorly graded, saturated						
12							Groundwater (19-24')	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 9/24/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641743.76	UTM Easting*: 201753.10
Boring Location: Interim Measure Area	Surface Elevation*: 745.19

GSSB-128

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SAND		100	3.1/ NA			Soil sample GSSB-128 (26-28') collected at 1720 and submitted for laboratory analysis. End of boring at 28'
21		Coarse, trace gravel					
22	Fine grained		2.2/ NA				
23							
24	SILTY CLAY	Brown, medium plasticity, stiff, damp, trace gravel	100	2.0/ NA			
25							
26							
27				1.1/ NA			
28							



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Project Number: JO1122.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641732.52	UTM Easting*: 201751.72
Boring Location: Interim Measure Area	Surface Elevation*: 745.21

GSSB-129

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SANDY GRAVEL	Brown, coarse grained, loose, well graded, damp	40	2.1/ NA			Soil sample GSSB-129 (4-6') collected at 1010 and submitted for laboratory analysis. Groundwater (4.5-11'). 6" of product observed at 4.5'
1							
2	SANDY CLAY	Brown, medium plasticity, medium stiff, damp	50	2.8/ NA			
3							
4	SAND	Brown, medium grained, poorly graded, damp	50	36/ NA			
5		Black, saturated					
6	CLAY	Black, high plasticity, soft, saturated	50	34/ NA			
7							
8	SAND	Dark gray, medium grained, medium dense, poorly graded, saturated	50	12/ NA			
9		Coarse grained, loose					
10	SANDY GRAVEL	Black, coarse grained, loose, well graded, saturated	100	5.7/ NA			
11							
12	SILTY CLAY	Brown, medium plasticity, stiff, damp, trace gravel	75	6.0/ NA			
13		Gray					
14	SAND	1" coarse grained, saturated	75	9.7/ NA			
15		Gray, low plasticity, stiff, damp, trace gravel					
16	SILTY CLAY		75	4.4/ NA			
17							
18	SAND		75	4.4/ NA			
19							
20	SAND	Gray, fine grained, dense, poorly graded, saturated					1/2" Black discoloration at 19', on clay/sand contact.

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641732.52	UTM Easting*: 201751.72
Boring Location: Interim Measure Area	Surface Elevation*: 745.21

GSSB-129

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SAND		100	2.0/ NA			No odor. Groundwater (19-22')
21							
22	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.7/ NA			Soil sample GSSB-129 (26-28') collected at 1040 and submitted for laboratory analysis. End of boring at 28'
23							
24		Brown	100	2.0/ NA			
25							
26		Gray		2.7/ NA			
27							
28							

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Project Number: JO1122.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641718.57	UTM Easting*: 201740.24
Boring Location: Interim Measure Area	Surface Elevation*: 745.39

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SANDY CLAY	Dark brown, low plasticity, medium stiff, damp	75	0.0/ NA			
1							
2	SANDY CLAY		75	0.9/ NA			
3							
4	SANDY CLAY	Soft, moist	75	8.7/ NA			Groundwater (5-10')
5							
6	CLAYEY SAND	Black, medium grained, loose, well graded, saturated, trace gravel	60	11/ NA			
7							
8	CLAYEY SAND		65	11/ NA			Soil sample GSSB-130 (8-10') collected at 1115 and submitted for laboratory analysis.
9							
10	SILTY CLAY	Gray, low plasticity, stiff, moist	65	2.7/ NA			Soil sample GSSB-130 (10-12') collected at 1125 and submitted for laboratory analysis.
11							
12	SILTY CLAY	Stiff, damp	100	2.6/ NA			
13							
14	SILTY CLAY		100	2.6/ NA			
15							
16	SILTY CLAY		100	2.4/ NA			
17							
18	SILTY CLAY	Moist, trace sand	100	2.4/ NA			
19		Damp, no sand					
20	SILTY CLAY						

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641718.57	UTM Easting*: 201740.24
Boring Location: Interim Measure Area	Surface Elevation*: 745.39

GSSB-130

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	1.1/ NA			Soil sample GSSB-130 (26-28') collected at 1140 and submitted for laboratory analysis. End of boring at 28'
21				0.9/ NA			
22		Moist, trace sand					
23	Damp, no sand						
24	SANDY CLAY	Brown, low plasticity, stiff, damp	100	0.7/ NA			
25				0.8/ NA			
26							
27							
28							

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Project Number: JO1122.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641757.71	UTM Easting*: 201783.17
Boring Location: Interim Measure Area	Surface Elevation*: 744.85

GSSB-131

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4.5')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4							
5	FILL MATERIAL	Some clay, sand, and gravel	20	273/ NA			Brick fragments (4.5-7.5')
6				290/ NA			
7							
8	CLAYEY SAND	Black, fine grained, medium dense, wet	25	164/ NA			Some yellowish brown product visible on bottom of liner (8') Brown wood fragments (8-10')
9							
10							
11	STONE	Crushed, light gray		24/ NA			
12	SILTY CLAY	Gray, low plasticity, very stiff, dry, trace gravel	80	26/ NA			Soil sample GSSB-131 (12-14') collected at 1200 and submitted for laboratory analysis.
13							
14							
15				22/ NA			
16							End of boring at 16'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 9/24/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641751.28	UTM Easting*: 201782.24
Boring Location: Interim Measure Area	Surface Elevation*: 744.60

GSSB-132

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0							Air knife (0-4')	
1				NA/ NA				
2	NO RECOVERY		0					
3				NA/ NA				
4								
5	CLAY	Brown, medium plasticity, soft, damp	10	1.0/ NA				
6				1.2/ NA				
7								
8	SILTY CLAY	Gray, medium plasticity, soft, moist						
9	SANDY GRAVEL	Black, saturated	25	6.6/ NA			Groundwater (10-12')	
10	SILTY CLAY	Gray, medium plasticity, soft, moist						
11	CLAYEY SAND	Black, fine grained, medium dense, saturated		7.0/ NA				
12								
13	SILTY CLAY	Gray, medium plasticity, very stiff, dry, trace sand and gravel	100	21/ NA				
14				77/ NA				
15								
16				79/ NA				
17								
18			100					
19				24/ NA				
20							End of boring at 20'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 9/24/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641763.85	UTM Easting*: 201794.87
Boring Location: Interim Measure Area	Surface Elevation*: 744.61

GSSB-133

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4		Some sand, gravel, and clay					Coal (4-8')
5				355/ NA			
6	FILL MATERIAL		10				
7				205/ NA			
8		Dark gray, fine grained, medium dense, wet					
9	CLAYEY SAND		100	NA/ NA			Drilled a second hole to retrieve a sample (8-10'); soil core was coated in yellowish brown product.
10							
11	NO RECOVERY		0	NA/ NA			
12	CLAYEY SAND CLAY	Black, fine grained, medium dense, wet Black, soft, saturated					Coal fragments (12')
13				20/ NA			Groundwater (12.25-13.25')
14		Gray, low plasticity, stiff, damp, trace sand and gravel					
15		Very stiff, dry	100				
16				22/ NA			
17	SILTY CLAY						
18				16/ NA			
19			100				
20		Brown		14/ NA			Soil sample GSSB-133 (18-20') collected at 1545 and submitted for laboratory analysis. End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: NA	UTM Easting*: NA
Boring Location: Oxide Box Area	Surface Elevation*: 746.05

GSSB-144

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Some clay, sand, and gravel	60	5.3/ NA			Coal (0-3')
1				6.1/ NA			
2	SANDY CLAY	Dark gray, medium plasticity, soft, moist	50	4.9/ NA			Soil sample GSSB-144 (6-8') collected at 1525
3				4.3/ NA			
4	CLAYEY SAND	Brown, fine grained, medium dense, poorly graded, moist	30	3.5/ NA			Groundwater (8-12')
5				3.3/ NA			
6	GRAVELLY SAND	Brown, coarse grained, loose, well graded, damp	70	2.4/ NA			
7				2.1/ NA			
8	SAND	Saturated	100	1.7/ NA			Soil sample GSSB-144 (18-20') collected at 1540
9				1.6/ NA			
10	SANDY CLAY	Gray, medium grained, dense, poorly graded, saturated	70	2.4/ NA			
11				2.1/ NA			
12	SANDY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.7/ NA			
13				1.6/ NA			
14	SANDY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.7/ NA			
15				1.6/ NA			
16	SANDY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.7/ NA			
17				1.6/ NA			
18	SANDY CLAY	Gray, low plasticity, stiff, damp, trace gravel	100	1.7/ NA			
19				1.6/ NA			
20							End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO0308.380	Date Drilled: 9/25/2014
Client Name: Citizens Energy Group	Personnel: M.Cooper
Project Name: Prospect - Oxide Box	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1642013.40	UTM Easting*: 202067.11
Boring Location: Oxide Box Area	Surface Elevation*: 746.29

GSSB-145

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	Some clay, sand, and gravel	40	4.5/ NA			Coal (0-3.5')
1				2.8/ NA			Brown wood chips (2')
2							
3	SANDY CLAY	Black, medium plasticity, medium stiff, moist	90	7.1/ NA			Soil sample GSSB-145 (6-8') collected at 1640, Duplicate GSSB-D2 collected
4							
5							
6							
7	SAND	Black, medium grained, dense, poorly graded, saturated	50	1.9/ NA			Groundwater (8.5-11')
8							
9	GRAVELLY SAND	Brown, coarse grained, loose, well graded, saturated	90	1.3/ NA			
10							
11	SAND	Brown, medium grained, dense, poorly graded, saturated	100	0.7/ NA			
12	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel					
13							
14	0.7/ NA						
15							
16	0.6/ NA						
17							
18	0.6/ NA						
19							
20							Soil sample GSSB-145 (18-20') collected at 1820, MS/MSD collected
							End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/7/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641794.79	UTM Easting*: 201761.05
Boring Location: Interim Measure Area	Surface Elevation*: 745.45

GSSB-146

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-5')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4							
5	SANDY SILT	Black, non-plastic, soft, wet		5.6/ NA			Odor (5-9')
6	SANDY CLAY	Black, low plasticity, soft, saturated	10				Groundwater (6-9')
7				12.7/ NA			
8	SAND	Dark gray, coarse grained, loose, well graded, saturated, some gravel					
9				0.0/ NA			
10	SILTY CLAY	Gray, low plasticity, stiff, damp	70				
11		Brown		0.1/ NA			
12							
13	GRAVELLY SAND	Black, coarse grained, loose, well graded, moist		0.0/ NA			
14		Brown-orange					
15	SILTY CLAY	Gray, low plasticity, stiff, damp	100				Soil sample GSSB-146 (14-16') collected at 1100 and submitted for laboratory analysis.
16	SANDY CLAY	Gray, low plasticity, stiff, damp		0.0/ NA			End of boring at 16'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/7/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641775.79	UTM Easting*: 201747.67
Boring Location: Interim Measure Area	Surface Elevation*: 745.83

GSSB-147

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-5')
1				NA/ NA			
2			0				
3	NO RECOVERY			NA/ NA			
4							
5		Black, non-plastic, soft, wet		32.6/ 56.2			Odor (5-9')
6	SANDY SILT		80				
7		Black, medium plasticity, soft, saturated		1,050/ 16.5			Sheen (7-8')
8	SANDY CLAY						
9		Gray-brown, coarse grained, loose, well graded, saturated		4.06/ 13.09			Groundwater (7-13')
10	GRAVELLY SAND		10				
11		Gray, low plasticity, stiff, wet, some gravel		4.02/ 11.54			
12	SANDY CLAY						
13		Brown, low plasticity, stiff, moist		4.00/ 11.62			
14	SANDY CLAY		30				
15		Dark gray, fine grained, very dense, poorly graded, wet		3.58/ 10.82			
16	SILTY SAND						Soil sample GSSB-147 (15-17') collected at 1215 and submitted for laboratory analysis.
17		Gray, low plasticity, stiff, wet		3.42/ 5.05			
18	SILTY CLAY		100				
19		Dark gray, fine grained, very dense, poorly graded, wet		3.16/ 5.12			Gravel (18.5-19')
20	SILTY SAND						
		Brown, low plasticity, stiff, dry					

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/7/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641775.79	UTM Easting*: 201747.67
Boring Location: Interim Measure Area	Surface Elevation*: 745.83

GSSB-147

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	3.26/ 5.14			
21				3.48/ 5.21			
22			100	3.61/ 5.81			
23				3.61/ 5.01			
24							
25							
26							
27							
28							Soil sample GSSB-147 (26-28') collected at 1230 and submitted for laboratory analysis. End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/7/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641771.82	UTM Easting*: 201728.19
Boring Location: Interim Measure Area	Surface Elevation*: 746.45

GSSB-148

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-5')
1				NA/ NA			
2			0				
3				NA/ NA			
4	NO RECOVERY						
5				NA/ NA			
6			0				
7				NA/ NA			
8	SILTY SAND	Black, coarse grained, loose, well graded, wet, some gravel					
9		Black, coarse grained, loose, well graded, saturated		8.3/ 9.02			Soil sample GSSB-148 (8-10') collected at 1530 and submitted for laboratory analysis.
10			60				Sheen (8-10')
11		Brown		0.8/ 3.85			Odor (8-15')
12	GRAVELLY SAND						Groundwater (9-15')
13				0.0/ 3.52			
14			80				
15		Brown, fine grained, very dense, poorly graded, damp		0.0/ 2.34			
16	SILTY SAND						
17		Dark gray		0.0/ 2.65			
18		Dark gray, low plasticity, stiff, damp					
19	SILTY CLAY		100				Soil sample GSSB-148 (18-20') collected at 1540 and submitted for laboratory analysis.
20		Dark brown		0.0/ 2.63			End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641702.88	UTM Easting*: 201699.70
Boring Location: Interim Measure Area	Surface Elevation*: 745.69

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SILTY SAND	Black, fine grained, medium dense, poorly graded, wet	0	NA/ NA			Air knife (0-4')
1							
2							
3	GRAVELLY SAND	Black, fine grained, medium dense, well graded, wet	40	NA/ NA			Odor (4-7.5')
4							
5	SANDY SILT	Black, non-plastic, stiff, wet	60	101/ 72.32			Soil sample GSSB-149 (6-8') collected at 1020 and submitted for laboratory analysis.
6		Dark gray, saturated					
7	SANDY GRAVEL	Gray, coarse grained, medium dense, well graded, saturated	60	83.6/ 104			Groundwater (8.5-12')
8							
9	CLAYEY SAND	Brown-orange, medium grained, medium dense, well graded, saturated, some gravel	40	82.4/ 80.4			Soil sample GSSB-149 (14-16') collected at 1040 and submitted for laboratory analysis.
10							
11	SILTY CLAY	Brown, low plasticity, stiff, damp, few gravel	40	60.8/ 10.58			Groundwater (17-17.75')
12							
13	CLAYEY SILT	Gray	100	70.53/ 9.81			End of boring at 20'
14							
15	SILTY SAND	Gray-brown, low plasticity, stiff, damp, some gravel	100	45.92/ 18.93			
16							
17	CLAYEY SILT	Gray-brown, fine grained, medium dense, well graded, saturated	100	4.65/ 42.92			
18							
19	SANDY SILT	Gray-brown, low plasticity, stiff, damp	100	4.65/ 42.92			
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641689.24	UTM Easting*: 201725.38
Boring Location: Interim Measure Area	Surface Elevation*: 745.54

GSSB-150

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SANDY SILT	Dark brown, non-plastic, soft, damp, some gravel					
1		Dark brown, medium grained, medium dense, well graded, damp, some gravel		2.83/ 0.02			Odor (1-5')
2	SILTY SAND		75				Coke fragments (2-4')
3		Black, dense		10.56/ 6.84			
4	SANDY CLAY	Black, medium plasticity, soft, damp, some gravel					
5	SILTY CLAY	Light brown, medium plasticity, soft, damp		12.00/ 1.1			Soil sample GSSB-150 (5-7') collected at 1200 and submitted for laboratory analysis.
6	SANDY CLAY	Black, medium plasticity, soft, moist, few gravel	75				
7		Dark gray, coarse grained, medium dense, well graded, saturated, some gravel		23.69/ 33.32			Groundwater (7-12')
8							
9	CLAYEY SAND			18.94/ 56.64			
10			25				
11				9.42/ 4.84			
12	SANDY CLAY	Dark gray, medium plasticity, medium stiff, moist, some gravel					
13	GRAVELLY SAND	Black, medium grained, medium dense, well graded, wet		10.39/ 4.36			
14			60				
15	SILTY CLAY	Brown, low plasticity, stiff, damp		13.94/ 11.42			Soil sample GSSB-150 (14-16') collected 1140 and submitted for laboratory analysis.
16							End of boring at 16'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641666.93	UTM Easting*: 201701.54
Boring Location: Interim Measure Area	Surface Elevation*: 745.65

GSSB-151

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4							
5	GRAVELLY SILT	Dark brown, non-plastic, soft, moist		175/ 440			Soil sample GSSB-151 (4-6') collected at 1315 and submitted for laboratory analysis. Odor (4-6')
6			20				
7	SILTY SAND	Black, fine grained, medium dense, poorly graded, wet, trace gravel		74.5/ 249			
8							
9	GRAVELLY SAND	Dark gray, medium grained, loose, well graded, saturated		22.9/ 42.4			Groundwater (8-11')
10			60				
11		Gray		13.9/ 12.6			
12	SAND	Gray, medium grained, medium dense, poorly graded, wet					
13				17.8/ 21.1			
14	SILTY CLAY	Gray-brown, low plasticity, stiff, damp, some gravel					
15		Brown	80				
16		Gray-brown		7.5/ 6.6			Soil sample GSSB-151 (14-16') collected at 1330 and submitted for laboratory analysis. End of boring at 16'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: 1" Temporary Piezomter
UTM Northing*: 1641771.83	UTM Easting*: 201768.14
Boring Location: Interim Measure Area	Surface Elevation*: 745.61

GSSB-152

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-5')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4							
5		Gray-brown, non-plastic, soft, wet		5.8/ NA			Odor (5-8')
6	SANDY SILT	Black	20				Soil sample GSSB-152 (6-8') collected at 1500 and submitted for laboratory analysis.
7				1.8/ NA			
8		Dark gray, medium grained, loose, well graded, wet					
9	SANDY GRAVEL	Saturated		0.3/ NA			Groundwater (9-11')
10			50				
11		Brown-orange, low plasticity, stiff, moist		0.3/ NA			
12	SANDY CLAY	Gray, very stiff, damp, few gravel					
13		Gray, low plasticity, very stiff, damp, some gravel		0.1/ NA			
14			80				
15	SILTY CLAY			0.1/ NA			Groundwater sample GSSB-152 collected at 1530 and submitted for laboratory analysis.
16							
17				0.1/ NA			
18			100				
19		Dark brown					
19	SILTY SAND	Gray, fine grained, dense, poorly graded, damp		0.0/ NA			
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: 1" Temporary Piezomter
UTM Northing*: 1641771.83	UTM Easting*: 201768.14
Boring Location: Interim Measure Area	Surface Elevation*: 745.61

GSSB-152

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY	Gray, low plasticity, stiff, damp, few gravel	100	0.0/ NA			Soil sample GSSB-152 (20-22') collected at 1520 and submitted for laboratory analysis.
21		Light brown					
22		Brown					
23		Gray-brown	100	0.1/ NA			
24		Gray					
25		Brown					
26		Gray	100	0.1/ NA			
27		Gray					
28		Dark gray					
29							
30							
31							
32							End of boring at 32'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: 1" Temporary Piezomter
UTM Northing*: 1641746.40	UTM Easting*: 201760.74
Boring Location: Interim Measure Area	Surface Elevation*: 745.33

GSSB-153

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4		Dark brown, fine grained, medium dense, well graded, wet		0.4/ NA			Odor (4-8')
5							
6	SILTY SAND	Black, medium grained, saturated, some gravel	10				Groundwater (6-9')
7				5.7/ NA			
8							
9		Brown, low plasticity, stiff, damp, few gravel		1.3/ NA			
10			30				
11	SANDY CLAY	Dark gray		1.0/ NA			
12							
13				0.6/ NA			
14			60				
15	SANDY SILT	Dark gray, non-plastic, very stiff, damp		0.5/ NA			
16		Dark brown, low plasticity, stiff, damp, few gravel					Groundwater sample GSSB-153 (15-20') collected at 1640 and submitted for laboratory analysis.
17	SILTY CLAY			0.3/ NA			
18	SANDY SILT	Dark brown, non-plastic, very stiff, moist					
19		Dark brown, fine grained, medium dense, poorly graded, saturated	100				
20	SILTY SAND	Gray-brown, medium plasticity, medium stiff, moist		0.3/ NA			
	SILTY CLAY						

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: 1" Temporary Piezomter
UTM Northing*: 1641746.40	UTM Easting*: 201760.74
Boring Location: Interim Measure Area	Surface Elevation*: 745.33

GSSB-153

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY	Brown, stiff, damp	100	0.2/ NA			Soil sample GSSB-153 (20-22') collected at 1640 and submitted for laboratory analysis.
21		Trace gravel		0.2/ NA			
22							
23							
24							End of boring at 24'

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* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JO1122.380	Date Drilled: 10/8/2014
Client Name: Citizens Energy Group	Personnel: C.Rochowiak
Project Name: Prospect - Interim Measure	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: Indianapolis, Indiana	GW Sample Method: NA
UTM Northing*: 1641759.96	UTM Easting*: 201702.13
Boring Location: Interim Measure Area	Surface Elevation*: 745.54

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4		Black, non-plastic, soft, moist, few gravel		17.5/ NA			Odor (5-8.5')
5	SANDY SILT		10	33.5/ NA			Groundwater (8.5-13')
6		Wet					
7		Saturated, some gravel					
8				12.8/ NA			
9	SILTY SAND	Dark gray, medium grained, medium dense, well graded, wet, few gravel	50	1.7/ NA			
10		Brown-orange, coarse grained, loose, well graded, saturated, with gravel					
11	GRAVELLY SAND			1.2/ NA			
12							
13	SANDY CLAY	Brown-orange, low plasticity, medium stiff, moist	60	0.9/ NA			
14							
15	SILTY CLAY	Gray, low plasticity, stiff, damp		0.2/ NA			
16	SILTY SAND	Gray, medium grained, medium dense, well graded, moist, some gravel	100	0.2/ NA			
17		Gray, low plasticity, stiff, damp					
18	SILTY CLAY			0.2/ NA			
19							
20							End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.

	Project Number: JO1122.380	Date Drilled: 10/9/2014
	Client Name: Citizens Energy Group	Personnel: C.Rochowiak
	Project Name: Prospect - Interim Measure	Driller: EFS
GSSB-155	Drilling Method: Geoprobe	Driller License: NA
	Site Address: Indianapolis, Indiana	GW Sample Method: NA
	UTM Northing*: 1641741.30	UTM Easting*: 201665.62
	Boring Location: Interim Measure Area	Surface Elevation*: 745.96

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-6')
1				NA/ NA			
2			0				
3	NO RECOVERY			NA/ NA			
4							
5			0	NA/ NA			
6		Black, medium plasticity, soft, damp, trace gravel					
7	SANDY CLAY	Some gravel	40	10.8/ 20.2			Soil sample GSSB-155 (6-8') collected at 0935 and submitted for laboratory analysis. Coke fragments(6-8')
8		Wet					Odor (6-10')
9		Black, coarse grained, medium dense, well graded, saturated		10.4/ 20.1			Wood fragments (8-10')
10	GRAVELLY SAND		20				Groundwater (9-13'). Sheen evident.
11				14.2/ 19.4			
12		Dark gray					
13		Brown, medium plasticity, medium-stiff, moist, trace gravel		3.3/ 3.4			
14	SANDY CLAY		30				Soil sample GSSB-155 (14-16') collected at 0950 and submitted for laboratory analysis.
15		Gray, low plasticity, stiff, damp		3.3/ 3.4			
16							
17	GRAVELLY SAND	Gray, coarse grained, medium dense, well graded, damp		4.1/ 4.5			
18	SAND	Gray, fine grained, very dense, poorly graded, damp	60				
19				4.3/ 2.9			
20	SILTY CLAY	Gray, low plasticity, stiff, damp, trace gravel					End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.

	Project Number: JO1122.380	Date Drilled: 10/9/2014
	Client Name: Citizens Energy Group	Personnel: C.Rochowiak
	Project Name: Prospect - Interim Measure	Driller: EFS
GSSB-156	Drilling Method: Geoprobe	Driller License: NA
	Site Address: Indianapolis, Indiana	GW Sample Method: NA
	UTM Northing*: 1641731.99	UTM Easting*: 201686.01
	Boring Location: Interim Measure Area	Surface Elevation*: 745.54

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0							Air knife (0-4')
1				NA/ NA			
2	NO RECOVERY		0				
3				NA/ NA			
4		Dark gray, low plasticity, soft, moist, trace gravel					Odor and sheen (4-8')
5	SANDY SILT			75.3/ 35.3			Soil sample GSSB-156 (5-7') collected at 1035 and submitted for laboratory analysis.
6		Black, wet	20				
7		Black, coarse grained, loose, well graded, saturated		99.5/ 105.4			Groundwater (7-12')
8	GRAVELLY SAND						
9	SAND	Dark gray, medium grained, medium dense, well graded, saturated		6.64/ 6.67			
10		Gray, medium grained, medium dense, well graded, saturated	20				
11	GRAVELLY SAND	Gray-brown		7.19/ 8.2			
12		Brown-orange					
13	SANDY CLAY	Brown-orange, low plasticity, stiff, moist		6.79/ 6.42			
14	SANDY SILT	Gray, low plasticity, medium stiff, damp					Soil sample GSSB-156 (14-16') collected at 1050 and submitted for laboratory analysis.
15		Gray, low plasticity, stiff, damp	80	4.84/ 4.41			
16							
17	SILTY CLAY			4.42/ 3.52			
18			50				
19				4.42/ 3.54			
20							End of boring at 20'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C. Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641782.79	UTM Easting*: 201846.57
Boring Location: Near PRC	Surface Elevation*: 738.97

GSSB-167

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SANDY CLAY	Dark brown, low plasticity, soft, moist	100	4.94/ 11.92			Hand auger (0-4')
1				4.50/ 11.39			
2	SANDY GRAVEL	Black, medium grained, loose, well graded, rounded, saturated	100	58.46/ 66.93			Black staining and odor at 4' Soil sample collected (4-6') at 1150 for laboratory analysis
3							
4	SILTY CLAY	Grayish brown, low plasticity, stiff, damp	100	4.85/ 98.03			Soil sample collected (14-16') at 1200 for laboratory analysis, DUP-1 collected. End of boring at 16'
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641789.54	UTM Easting*: 201789.90
Boring Location: IM Area	Surface Elevation*: 745.72

GSSB-168

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Gravelly clay, low plasticity, soft, moist)	50	8.81/ 8.65			FID ambient air reading approximately 9.0 ppm
1							
2				Brick fragments at 2'			
3							
4		(Wood chips, blue staining)	100	3.81/ 9.32			
5	(Gravelly clay, low plasticity, soft, moist)						
6	SANDY CLAY	Gray, medium plasticity, soft, moist, trace gravel		4.91/ 11.25			
7				3.65/ 11.59			
8					Soil sample collected (8-10') at 1348 for laboratory analysis		
9		Increasing sand, black staining, wet	90	3.49/ 46.59	Odor evident at 10'		
10							
11				3.65/ 14.81			
12							
13				3.01/ 60.13			
14	SAND	Blackish gray, fine grained, loose, well graded, saturated, trace gravel	80	4.24/ 21.56			
15							
16	SILTY CLAY	Gray, low plasticity, stiff, damp	80	4.01/ 8.01			
17							
18					1.97/ 8.52	Soil sample collected (18-20') at 1345 for laboratory analysis, MS/MSD collected.	
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641789.54	UTM Easting*: 201789.90
Boring Location: IM Area	Surface Elevation*: 745.72

GSSB-168

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	20.00/ 8.31			End of boring at 24'
21				1.60/ 12.23			
22							
23							
24							

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* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641804.05	UTM Easting*: 201803.70
Boring Location: IM Area	Surface Elevation*: 745.91

GSSB-169

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Clayey gravel, dark brown, medium grained, loose, well graded, moist)	50	1.70/ 10.70			FID ambient air reading approximately 8.0 ppm
1				2.40/ 10.00			
2	SILTY CLAY	Black, low plasticity, soft, moist, trace sand	50	9.70/ 13.02		█	Odor evident at 5'
3				3.10/ 14.27			
4				Soil sample collected (6-8') at 1455 for laboratory analysis			
5	SANDY GRAVEL	Black, medium grained, loose, well graded, rounded, saturated	75	2.60/ 12.81			Sheen and odor at 11'
6				17.20/ 50.12			
7	SILTY CLAY	Light brown, low plasticity, very stiff, damp	100	4.10/ 13.95			
8				2.50/ 11.01			
9				1.90/ 20.23			
10	SILTY CLAY	Trace gravel	100	1.80/ 13.26		█	Soil sample collected (18-20') at 1435 for laboratory analysis
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641804.05	UTM Easting*: 201803.70
Boring Location: IM Area	Surface Elevation*: 745.91

GSSB-169

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		NA	1.20/ 9.60			End of boring at 24'
21				1.20/ 9.63			
22							
23							
24							

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* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641823.30	UTM Easting*: 201791.27
Boring Location: IM Area	Surface Elevation*: 746.45

GSSB-170

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Gravelly clay, dark brown, low plasticity, soft, moist)	25	1.60/ 9.14			FID ambient air reading approximately 8.0 ppm
2		Brick fragments at 2'					
3				1.40/ 10.22			
4	SILTY CLAY	Black, low plasticity, soft, wet	50	58.20/ 172			Soil sample collected (4-6') at 1540 for laboratory analysis Odor and sheen at 5'
6							
7	GRAVELLY SAND	Brownish black, medium grained, loose, well graded, saturated	75	6.80/ 37.00			Odor at 7'
9							
10	SANDY GRAVEL	Reddish orange, medium grained, loose, well graded, sub-angular, saturated	100	2.70/ 17.14			
11				1.70/ 11.74			
13		Grayish black		1.70/ 8.73			
15	SILTY CLAY	Light brown, low plasticity, very stiff, damp	100	1.20/ 7.63			
17				1.20/ 8.26			
19		Trace gravel		1.30/ 6.91			
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/23/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641823.30	UTM Easting*: 201791.27
Boring Location: IM Area	Surface Elevation*: 746.45

GSSB-170

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	1.20/ 6.42			Soil sample collected (22-24') at 1535 for laboratory analysis
21				1.10/ 6.48			
22							End of boring at 24'
23							
24							

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Project Number: JP0452.380	Date Drilled: 3/24/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641843.45	UTM Easting*: 201786.83
Boring Location: 3' off fence line	Surface Elevation*: 747.06

GSSB-171

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL	(Silt, black, non-plastic, soft, damp)	25	4.28/ 6.39			Redrilled to 8' below grade to collected (4-8') interval
1		(Increasing sand)		5.32/ 6.85			
2	SANDY CLAY	Black, medium plasticity, medium stiff, moist	0	16.94/ 20.02			Staining and odor evident at 5'
3		Increasing sand, wet		13.86/ 51.63			
4	SANDY GRAVEL	Gray, medium grained, loose, well graded, saturated	30	5.91/ 9.02			Soil sample collected (6-8') at 1110 for laboratory analysis
5		Orangish brown		5.50/ 7.64			
6	SILTY CLAY	Gray, medium plasticity, soft, moist	75	5.86/ 5.13			
7		Increasing sand, wet, trace gravel		6.84/ 4.02			
8		Grayish brown, low plasticity, very stiff, damp	100	7.74/ 4.52			
9		Trace gravel		8.94/ 4.77			

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Project Number: JP0452.380	Date Drilled: 3/24/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641843.45	UTM Easting*: 201786.83
Boring Location: 3' off fence line	Surface Elevation*: 747.06

GSSB-171

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	9.68/ 4.65			Soil sample collected (22-24') at 1100 for laboratory analysis
21		Brown, moist		21.20/ 11.50			
22							End of boring at 24'
23							
24							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/24/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641838.56	UTM Easting*: 201822.61
Boring Location: Gas Supply	Surface Elevation*: 746.89

GSSB-172

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Gravel, sand, and clay, brownish black, low plasticity, soft, loose)	50	10.10/ 14.50			Coal fragments, odor, and black staining (2-4') Soil sample collected (2-4') at 1250 for laboratory analysis
1							
2	SILTY CLAY	Black, low plasticity, medium stiff, damp, trace gravel	60	5.30/ 17.01			
3							
4							
5	CLAYEY SAND	Blackish gray, medium grained, medium dense, well graded, moist, trace gravel	60	1.40/ 10.23			
6							
7	SILTY CLAY	Black, medium plasticity, soft, moist, trace gravel	30	1.10/ 8.30			
8							
9							
10							
11		Increasing sand					
12	SILTY CLAY	Brownish gray, medium stiff, damp	60	0.80/ 7.10			
13							
14							
15							
16	SILTY CLAY	Brownish gray, medium stiff, damp	100	1.20/ 5.40			
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/24/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641838.56	UTM Easting*: 201822.61
Boring Location: Gas Supply	Surface Elevation*: 746.89

GSSB-172

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	1.80/			Soil sample collected (22-24') at 1230 for laboratory analysis, DUP-2 collected. End of boring at 24'
21				6.99			
22	SAND	Brown, fine grained, medium dense, damp Brown, low plasticity, stiff, damp, trace gravel		1.00/			
23	SILTY CLAY			2.53			
24							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JP0452.380	Date Drilled: 3/24/2015
Client Name: Citizens Energy Group	Personnel: C.Gomez
Project Name: Gas Supply FSI	Driller: EFS
Drilling Method: Geoprobe	Driller License: NA
Site Address: 2950 Prospect Street	GW Sample Method: NA
UTM Northing*: 1641848.27	UTM Easting*: 201851.58
Boring Location: Gas Supply	Surface Elevation*: 746.62

GSSB-173

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	SILTY CLAY	Dark brown, medium plasticity, soft, damp, trace sand	30	1.00/ 10.27			Odor and sheen at 2' Soil sample collected (2-4') at 1410 for laboratory analysis Black staining (2-13')
1		Black		25.70/ 12.80			
2			2.70/ 11.89				
3			15.30/ 24.09				
4	SAND	Dark gray to black, fine grained, medium dense, poorly graded, damp, trace gravel	50	10.70/ 27.80			Odor at 9'
5				7.10/ 22.40			
6	SANDY GRAVEL	Black, medium grained, loose, well graded, saturated, few gravel	50	2.20/ 11.01			
7				1.90/ 11.42			
8	SILTY CLAY	Brown, low plasticity, medium stiff, damp	100				Soil sample collected (14-16') at 1413 for laboratory analysis End of boring at 16'
9		Gray, dry, some gravel					

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Project Number: JR0576.359	Date Drilled: 5/10/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
UTM Northing*: 1641401.07	UTM Easting*: 200659.66
Boring Location: GSSB-212	Surface Elevation*: 751.19

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 1	COKE	Black, medium grained, loose, well graded, damp	85	1.8/ NM			NM = Not measured; FID malfunctioned
1 - 2	SILTY CLAY	Dark brown, high plasticity, soft, damp		4.9/ NM			
2 - 4		Light brown	90	2.1/ NM			
4 - 6		SANDY CLAY		Light brown, low plasticity, medium stiff, moist	2.5/ NM		
6 - 8	SANDY SILT	Light brown, non-plastic, stiff, damp	100	1.9/ NM		Soil sample GSSB-212 (6-8') collected	
8 - 10	SILTY SAND	Light brown, medium grained, loose, poorly graded, saturated		1.2/ NM			
10 - 13	SILTY CLAY	Gray, low plasticity, very stiff, damp	5	0.4/ NM		Soil sample GSSB-212 (14-16') collected	
13 - 14				0.4/ NM			
14 - 17			50	0.5/ NM			
17 - 18				0.6/ NM			
18 - 20						End of boring at 20'	

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Project Number: JR0576.359	Date Drilled: 5/10/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1641468.53	UTM Easting*: 200567.43
Boring Location: GSSB-213/GSMW-37	Surface Elevation*: 753.73

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 3	FILL MATERIAL	(Gravelly sand), black, medium grained, medium dense, well graded, damp	50	0.8/ 0.0			Coke fragments (0-3')
3 - 4	SILTY CLAY	Light brown, high plasticity, medium stiff, moist		0.8/ 1.4			NM = Not measured; FID malfunctioned
4 - 6		80	Light brown, medium grained, loose, well graded, saturated	1.4/ 1.3			Soil sample GSSB-213 (4-6') collected
6 - 7				0.9/ NM			Well screen set at (4-14')
7 - 9		SANDY CLAY	Light brown, low plasticity, hard, damp	100	1.6/ NM		
9 - 11	SILTY CLAY	Gray, low plasticity, very stiff, damp	1.2/ NM				
11 - 13			90	Hard	0.9 NM		
13 - 14	0.5/ NM					Soil sample GSSB-213 (14-16') collected	
14 - 15							End of boring at 16'

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GSSB-214	Project Number: JR0576.359	Date Drilled: 5/11/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1641533.62	UTM Easting*: 200498.84
	Boring Location: GSSB-214	Surface Elevation*: 754.89

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	COKE	Black, medium grained, loose, well graded, damp					
1	CLAYEY SILT	Light brown, non-plastic, stiff, damp	90	0.1/ NM			NM = Not measured; FID malfunctioned
2	SILTY CLAY	Dark gray, high plasticity, stiff, damp		0.1/ NM			
3		Light brown	0.1/ NM				
4		Low plasticity, soft, moist, trace gravel	90	0.3/ NM		Soil sample GSSB-214 (6-8') collected	
5			0.4/ NM				
6	SANDY SILT	Light brown, non-plastic, stiff, moist	85	0.2/ NM		Soil sample GSSB-214 (14-16') collected	
7		Gray, low plasticity, very stiff, damp		0.3/ NM			
8	SILTY CLAY	Light brown, medium grained, dense, poorly graded, moist	100	0.6/ NM		Soil sample GSSB-214 (16-18') collected	
9	SAND			0.5/ NM			
10	SILTY CLAY	Gray, low plasticity, very stiff, damp	100	0.3/ NM		End of boring at 20'	
11				0.3/ NM			

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GSSB-215	Project Number: JR0576.359	Date Drilled: 5/11/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1641722.52	UTM Easting*: 200986.78
	Boring Location: GSSB-215	Surface Elevation*: 752.84

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Silty clay), black, medium plasticity, stiff, damp, some coke	80	0.2/ NM			NM = Not measured; FID malfunctioned Rock fragments at 2'
1		Increasing silt		0.6/ NM			
2		(Clayey silt), black, low plasticity, medium stiff, moist, some sand					
3	SILTY CLAY	Light brown, medium plasticity, soft, moist	95	0.6/ NM			Soil sample GSSB-215 (4-6') collected Soil sample GSSB-215 (6-8') collected
4							
5							
6							
7							
8	GRAVELLY SAND	Light brown, medium grained, loose, well graded, saturated	95	0.2/ NM			
9							
10							
11							
12							
13	60		0.2/ NM				
14			0.3/ NM				
15							
16	100		0.2/ NM				
17							
18							
19		Increased grain size		0.3/ NM			
20							

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GSSB-215	Project Number: JR0576.359	Date Drilled: 5/11/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1641722.52	UTM Easting*: 200986.78
Boring Location: GSSB-215		Surface Elevation*: 752.84

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SANDY SILT	Brown, non-plastic, very stiff, damp	100	0.2/ NM			
21		Gray, low plasticity, very stiff, damp					
22	SILTY CLAY						Soil sample GSSB-215 (22-24') collected
23							End of boring at 24'
24							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



GSSB-216	Project Number: JR0576.359	Date Drilled: 5/11/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1641792.01	UTM Easting*: 201737.66
Boring Location: GSSB-216		Surface Elevation*: 745.96

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 1	FILL MATERIAL	(Gravelly sand), brown, medium grained, loose, well graded, damp	70	0.6/ NM			Concrete fragments at 0.5' NM = Not measured; FID malfunctioned
1 - 2		Black, non-plastic, medium stiff, moist		0.9/ NM			Brick fragments at 2'
2 - 4	SANDY SILT	Light brown, fine grained, medium dense, well graded, saturated	50	96.9/ NM	█		Slight odor and staining at 3'
4 - 6				26.1/ NM			Soil sample GSSB-216 (4-6') collected
6 - 7				Odor and staining at 6'			
7 - 10	SILTY SAND	Some gravel	40	0.8/ NM			
10 - 11				1.0/ NM			
11 - 14	SILTY CLAY	Gray-brown, low plasticity, very stiff, damp	50	0.3/ NM			
14 - 15				0.3/ NM			Soil sample GSSB-216 (14-16') collected
15 - 16							End of boring at 16'

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GSSB-217	Project Number: JR0576.359	Date Drilled: 5/10/2017
	Client Name: Citizens Energy Group	Personnel: D.Smith
	Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
	Drilling Method: Dual Tube	Driller License: 4086WD
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: 1642049.69	UTM Easting*: 202003.02
	Boring Location: GSSB-217	Surface Elevation*: 748.84

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Clayey silt), brown, low plasticity, medium stiff, damp	80	0.6/ NM			NM = Not measured; FID malfunctioned
1							
2	SANDY SILT	Brown, non-plastic, medium stiff, damp	70	0.6/ NM			
3							
4	CLAYEY SILT	Brown, low plasticity, soft, moist	80	0.6/ NM			
5							
6	SANDY SILT	Brown, non-plastic, soft, moist	100	2.3/ NM			
7							
8	SANDY SILT	Light brown, medium grained, medium dense, well graded, wet	80	0.2/ NM			
9							
10	SILTY SAND	Saturated	50	0.3/ NM			
11							
12	SANDY SILT	Saturated	100	0.2/ NM			
13							
14	SANDY SILT	Saturated	80	0.3/ NM			
15							
16	SANDY SILT	Saturated	50	0.3/ NM			
17							
18	SANDY SILT	Saturated	80	0.3/ NM			
19							
20	SILTY CLAY	Gray, low plasticity, very stiff, damp	50	0.4/ NM			Soil sample GSSB-217 (18-20') collected
							End of boring at 20'

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Project Number: JR0576.359	Date Drilled: 5/10/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1642330.62	UTM Easting*: 202243.01
Boring Location: GSSB-218/GSMW-38	Surface Elevation*: 751.74

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0 - 3	FILL MATERIAL	(Silty sand), dark brown, medium grained, medium dense, well graded, damp	75	0.3/ NM			NM = Not measured; FID malfunctioned
3 - 6	SILTY CLAY	Dark brown, medium plasticity, medium stiff, damp Light brown		0.2/ NM			
6 - 12	SILTY SAND	Dark brown, medium grained, loose, well graded, damp	50	0.3/ NM			Soil sample GSSB-218 (6-8') collected Well screen set at (7-17')
12 - 16	SILTY SAND	Light brown Some gravel	40	0.2/ NM			
16 - 18	SILTY CLAY	Saturated	95	0.4/ NM			Soil sample GSSB-218 (10-12') collected
18 - 20	SILTY CLAY	Gray, low plasticity, very stiff, damp	100	0.2/ NM			
20							End of boring at 20'

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Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-1/SEMW-1
Date Drilled: 5/17/2011
Personnel: Matt Hennessy
Boring Location: 75' SE of SESB-21
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2		Fill (Sand) Brown/red, coarse grained, loose, well graded, damp	0-2		5.21	7.07	
2-4		Black/brown	2-4	40	3.45	5.55	Brick fragments (2'-6')
4-6*		Brown	4-6*		4.25	7.55	Soil sample collected (4'-6') at 10:18 for laboratory analysis
6-8*			6-8*	40	4.04	5.07	Soil sample collected (6'-8') at 10:19 for laboratory analysis
8-10*			8-10*		4.51	7.00	Glass fragments (8'-8.5') Soil sample collected (8'-10') at 10:20 for laboratory analysis; brick fragments
10-12*		Wet	10-12*		4.80	7.85	Soil sample collected (10'-12') at 10:21 for laboratory analysis
12-14*		10% gravel	12-14*	40	5.05	9.17	Soil sample collected (12'-14') at 10:22 for laboratory analysis Coke fragments (14'-15')
14-16*			14-16*		15.87	501	Soil sample collected (14'-16') at 10:23 for laboratory analysis; odor
16-18*		Clayey Sand Black, fine grained, medium dense, poorly graded, wet	16-18*	100	59.12	24.51	Groundwater at 16' Soil sample collected (16'-18') at 10:24 for laboratory analysis
18-20		Sand Gray, fine grained, medium dense, poorly graded, saturated	18-20		6.98	23.32	
		Gravelly Sand Gray, medium grained, medium dense, well graded, saturated					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-1/SEMW-1
Date Drilled: 5/17/2011
Personnel: Matt Hennessy
Boring Location: 75' SE of SESB-21
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
		Clayey Silt Gray, low plasticity, medium stiff, damp End of Boring					
22							
24							
26							
28							
30							
32							
34							
36							
38							
40							

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-2
Date Drilled: 5/17/2011
Personnel: Matt Hennessy
Boring Location: 25' SW of SESB-21
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2		Fill (Sand) Brown/black, medium grained, loose, damp	0-2		2.84	3.51	
2-4			2-4	60	2.45	2.88	Brick/coke fragments
4-6*		Sandy Clay Brown/red, medium plasticity, medium stiff, damp	4-6*		2.67	30.57	Soil sample collected (4'-6') at 12:47 for laboratory analysis
6-8*		Silty Clay Gray, medium plasticity, medium stiff, damp	6-8*	80	3.03	4.41	Soil sample collected (6'-8') at 12:48 for laboratory analysis
8-10*			8-10*		2.72	4.01	Soil sample collected (8'-10') at 12:49 for laboratory analysis
10-12*		Sandy Clay Brown, medium plasticity, medium stiff, wet	10-12*		2.77	3.89	Soil sample collected (10'-12') at 12:50 for laboratory analysis
12-14*		Sandy Gravel Brown, fine grained, medium dense, well graded, subrounded, saturated	12-14*	100	3.10	7.02	Soil sample collected (12'-14') at 12:51 for laboratory analysis Groundwater at 12.5'
14-16*		Sand Brown, medium grained, loose, poorly graded, saturated	14-16*		2.92	9.42	Soil sample collected (14'-16') at 12:52 for laboratory analysis
16-18*			16-18*	100	3.04	3.54	Soil sample collected (16'-18') at 12:53 for laboratory analysis
18-20		Gravelly Sand Gray, medium grained, medium dense, well graded, saturated	18-20		3.31	8.00	Groundwater at 19'
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-3
Date Drilled: 10/27/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: Former BTX AST
0		Topsoil	0-2*		2.14	Soil sample collected (0"-6") and Duplicate SESBD-2 at 12:30 for laboratory analysis
2		Fill (Silty Sand) Brownish gray, fine grained, loose, dry, plastic fragments	2-4*	35	5.35	
4		Coal fragments	4-6		3.07	
6		Orange mottling	6-8	80	2.84	
8		Silty Clay Brown, medium plasticity, medium stiff, damp, reddish brown mottling	8-10		3.51	Soil sample collected (10'-12') at 12:40 for laboratory analysis
10		Sand Brown, fine grained, medium dense, poorly graded, dry, 10% gravel	10-12*		4.97	
12		Wet Saturated	12-14	80	8.50	Groundwater at 13'
14		Coarse grained	14-16		9.02	
16		Sandy Clay Brown, medium plasticity, stiff, wet	16-18	90	7.95	
18			18-20		2.64	
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-4
Date Drilled: 10/26/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 150' NE of west gate, along tree line
0		Topsoil	0-2*		2.06	Soil sample collected (0" - 6") at 12:00 for laboratory analysis
2		Fill (Silty Clay) Brown, low plasticity, medium stiff, dry	2-4*	80	3.80	Concrete and brick fragments
4		15% gravel	4-6		2.65	Soil sample collected (2' - 4') at 13:38 for laboratory analysis
6		Fill (Silty Sand) Brown/black, fine grained, loose, poorly graded, dry	6-8	50	1.12	
8		Tan/orange	8-10		0.58	
10		Red; increasing gravel	10-12*		1.57	Soil sample collected (10' - 12') at 13:30 for laboratory analysis
12		Fill (Sandy Gravel) Brown/gray, coarse grained, loose, well graded, subangular, saturated	12-14	60	5.09	Odor (12' - 14')
14		Fine sand, decreasing gravel 15%	14-16		2.99	Groundwater at 13'
16		Fill (Sandy Clay) Black, medium plasticity, medium stiff, damp, orange mottling	16-18	90	4.00	Brick fragments
18		Sand Brown, medium grained, loose, poorly graded, saturated	18-20		4.42	
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-4
Date Drilled: 10/26/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Gravel Brown, loose, well graded, subangular, saturated Sand Brown, coarse grained, loose, poorly graded, subangular, saturated Silty Clay Gray, medium plasticity, stiff, damp End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-5
Date Drilled: 10/25/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 375' NE of former BTX AST, along Pleasant Run
0		Topsoil				
0-2*		Fill (Sand) Brown, fine grained, loose, poorly graded, dry, orange mottling, trace of silt and gravel	0-2*	50	2.45	Soil sample collected (0" - 6") at 13:35 for laboratory analysis
2-4		Increasing silt and gravel	2-4		2.01	
4-6			4-6		3.28	15% coal
6-8		Light orange, oxidation present	6-8	60	2.91	25% coal
8-10			8-10		4.02	
10-12		Moist	10-12		3.80	Odor (11.5' - 13')
12-14*		Red Silty Sand Gray/black, fine grained, medium dense, poorly graded, damp	12-14*	80	95	
14-16			14-16		14.75	Some dark gray and black banding
16-18*		Silty Clay Tan, low plasticity, medium stiff, dry	16-18*	90	5.90	Soil sample collected (16' - 18') at 14:05 for laboratory analysis
18-20		Medium plasticity, damp	18-20		5.72	
20		Sand Tan, fine grained, medium dense, poorly graded, moist				Groundwater at 19.75'
		10% gravel				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-5
Date Drilled: 10/25/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Sandy Gravel Brown, coarse grained, loose, well graded, saturated	20-22	80	5.17	
22		Sand Tan, fine grained, medium dense, poorly graded, damp	22-23		--	
24		End of Boring				
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-6
Date Drilled: 10/26/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: 400' SW of NW corner of property along tree line
0		Topsoil				
0-2*		Sandy Silt Gray, non-plastic, soft, dry	0-2*	60	9.65	Soil sample collected (0" - 6") at 14:35 on 10/25/2010 for laboratory analysis
2-4		Orange mottling	2-4	60	5.08	
4-6*		Brown	4-6*	80	7.07	
6-8			6-8	80	6.09	Soil sample collected (4' - 6') at 11:20 for laboratory analysis
8-10			8-10		2.42	
10-12		Silty Sand Tan, fine grained, loose, poorly graded, dry	10-12		5.10	
12-14		Sandy Gravel Tan, fine grained, loose, well graded, subangular, dry	12-14	90	4.45	
14-16		Sandy Silt Brown, low plasticity, medium stiff, damp, 5% gravel	14-16		3.74	Soil sample collected (16' - 18') at 11:10; SEMS-2 and SEMSD-2 taken from 16'-18' interval
16-18*		Sand Brown, coarse grained, loose, poorly graded, subangular, dry, 15% gravel	16-18*	95	8.48	
18-20		Silty Sand Brown/black, fine grained, loose, poorly graded, dry, orange mottling	18-20		11.16	
18-20		Tan, 25% gravel				Groundwater at 19.75'
18-20		Sandy Gravel Tan/brown, fine grained, loose, well graded, moist				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-6
Date Drilled: 10/26/2010
Personnel: Matt Hennessy
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Gravel Tan/brown, medium grained, loose, poorly graded, subangular, saturated	20-22	100	2.6	
			22-23		--	
24		End of Boring				
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-7
Date Drilled: 10/25/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: Northern portion of property approx. 300ft. SE of former gasoline UST
0	■	Asphalt				
0-2	●	Fill (Gravel)	0-2		--	
2-4	▨	Clayey Silt Brown, medium plasticity, soft, damp	2-4	40	18.67	
4-6			4-6		22.44	
6-8			6-8	50	19.01	
8-10	▨	Silty Clay Brown, medium plasticity, soft, red mottling, damp, 5% gravel	8-10		21.34	
10-12			10-12		19.71	
12-14	●	Sand Brown, coarse grained, medium dense, well graded, damp, 10% gravel	12-14	55	20.23	
14-16*	●	Gray, wet	14-16*		26.20	
16-18*	▨	Increasing clay	16-18*		25.44	
18-20	▨	Sandy Clay Gray, high plasticity, soft, saturated, 12% gravel	18-20	60	23.83	Groundwater at 18'

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-7
Date Drilled: 10/25/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Silty Clay Brown/gray, low plasticity, medium stiff, saturated End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-8
Date Drilled: 10/26/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: Northernmost portion of property approx. 250ft. NE of former gasoline UST
0		Topsoil				
0-2*		Fill (Clayey Silt) Light brown, non-plastic, soft, dry	0-2*	45	12.12	Soil sample collected (0" - 6") at 8:30 for laboratory analysis (SESBD-5)
2-4			2-4		14.48	
4		Fill (Gravel, coke/coal, red brick) Dry	4-6		10.62	odor (11.5'-14') Soil sample collected (12' - 14') at 11:34 for laboratory analysis
4-6		Silty Clay Light brown, medium plasticity, soft, dry	4-6			
6-8		Clay Light gray, medium plasticity, soft, dry, trace of sand	6-8	40	7.54	
8-10		Increasing sand	8-10		7.48	
10-12		Sand Light brown, coarse grained, medium dense, well graded, dry, 12% gravel	10-12		12.84	
12-14*		Clayey Sand Brown, coarse grained, medium dense, well graded, dry, red mottling	12-14*	80	848	Groundwater at 15'
14-16		Sandy Clay Brown, low plasticity, soft, red mottling, damp	14-16		204.0	
16-18		Clay Gray, high plasticity, soft, moist, 15% gravel Light gray, wet	16-18	100	31.68	
18-20*		Sandy Clay Light gray, low plasticity, soft, saturated, 5% gravel	18-20*			Sample collected (18' - 20') at 11:52 for laboratory analysis
18-20*		Clayey Sand Light gray, medium grained, loose, well graded, wet, 12% gravel	18-20*		17.81	

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-8
Date Drilled: 10/26/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
22		Sandy Clay Light gray, low plasticity, stiff, moist, 10% gravel End of Boring				
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-10/SEMW-2
Date Drilled: 10/25/2010
Personnel: Cole Pratt
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: Former Gasoline UST
0		Asphalt				
0-2		Fill (Gravel) Black	0-2		15.72	
2-4			2-4	40	16.78	
4-6			4-6		22.10	
6-8		Sand Reddish-brown, coarse grained, medium dense, well graded, damp, 10% gravel	6-8	20	4.72	
8-10		Sandy Clay Reddish-brown, low plasticity, soft, moist	8-10		26.19	
10-12		Silty Clay Gray, medium plasticity, soft, damp	10-12		25.62	
12-14		Brown, soft	12-14	60	15.40	
14-16		Sand Brown, fine grained, medium dense, poorly graded, moist, 5% gravel	14-16		33.01	
16-18*		Clayey Sand Light gray, coarse grained, medium dense, well graded, moist, 10% gravel	16-18*	75	32.33	Soil sample collected (16'-18') at 13:02 for laboratory analysis (SESBD-4)
18-20*		Sand Gray, fine grained, loose, poorly graded, wet	18-20*		19.02	Soil sample collected (18'-19') at 13:45 for laboratory analysis
20		Saturated				Groundwater at 19'
		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-11
Date Drilled: 5/17/2011
Personnel: Matt Hennessy
Boring Location: 25' NW of SESB-21
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0-2		Fill (Sand) Brown/black, medium grained, loose, damp	0-2		2.50	5.52	
2-4			2-4	40	4.50	8.01	Coke & brick fragments (2'-12.5')
4-6*			4-6*		2.41	1242	Soil sample collected (4'-6') at 9:15 for laboratory analysis
6-8*			6-8*	20	17.11	58.56	Soil sample collected (6'-8') at 9:16 for laboratory analysis
8-10*			8-10*		7.55	21.11	Soil sample collected (8'-10') at 9:17 for laboratory analysis Groundwater at 10'
10-12*		Coarse grained, saturated	10-12*		22.10	74.10	Soil sample collected (10'-12') at 9:18 for laboratory analysis
12-14*		Silty Clay Black, medium plasticity, medium stiff, damp	12-14*	40	6.82	224	Soil sample collected (12'-14') at 9:19 for laboratory analysis
14-16*		Sand Gray, fine grained, medium dense, poorly graded, wet	14-16*		6.45	41.12	Soil sample collected (14'-16') at 9:20 for laboratory analysis Groundwater at 16.5'
16-18*		Clayey Silt Gray, low plasticity, medium stiff, damp	16-18*		6.73	31.42	Soil sample collected (16'-18') at 9:21 for laboratory analysis
18-20		Sand Gray, medium grained, medium dense, poorly graded, saturated 15% gravel	18-20	40	6.74	17.89	
20		End of Boring					

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-12
Date Drilled: 5/17/2011
Personnel: Matt Hennessy
Boring Location: 25' NE of SESB-21
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	PID (ppm)	FID (ppm)	Comments
0		Ground Surface					
0		Fill (Sand) Brown/black, medium grained, loose, well graded, damp	0-2		2.90	5.90	Coke & Brick Fragments (0-4')
2			2-4	50	3.12	4.68	
4			4-6		12.55	44.77	Soil sample collected (4-6') at 11:57 for laboratory analysis
6			6-8	80	3.66	8.42	Soil sample collected (6-8') at 11:58 for laboratory analysis
8		Fill (Sandy Clay) Brown, medium stiff, medium plasticity, damp	8-10		3.12	5.80	Soil sample collected (8-10') at 11:59 for laboratory analysis Water @ 10'
10		Sand Brown, fine grained, loose, poorly graded, saturated	10-12		4.35	25.66	Soil sample collected (10-12') at 12:00 for laboratory analysis
12			12-14	80	3.81	11.45	Soil sample collected (12-14') at 12:01 for laboratory analysis
14		Brown/gray 15% Gravel	14-16		3.45	5.75	Soil sample collected (14-16') at 12:02 for laboratory analysis
16		Silty Clay Gray, stiff, medium plasticity, trace gravel, damp	16-18	100	3.42	7.02	Soil sample collected (16-18') at 12:03 for laboratory analysis
18			18-20		3.53	54.76	GW @ 19'
20		Gravelly Sand Gray, med. grained, loose, well graded, saturated					End of Boring

FID = flame ionization detector

PID = photoionization detector

ft bg = feet below grade

XRF = x-ray fluorescence

Note: Only those metals detected above the XRF instrument limit of detection are reported

-- = no headspace analysis

ppm = parts per million

* = Sample collected for laboratory analysis

NA = not analyzed

ND = not detected



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-14
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northwest of SEMW-3
0		Fill (Silty Sand) Tan, medium grained, loose, well graded, 5% gravel, dry	0-2		12.68	Soil sample collected (0-6") at 0950
2		Dark brown, medium dense, no gravel, trace clay	2-4	50	7.72	Glass Fragments (2.5-3') Soil sample collected (2-4') at 0955
4		5% gravel, alternating red and black mottling (4-5.5')	4-6		15.51	
6			6-8	40	25.21	
8		Beige, coarse grained Red Beige	8-10		21.71	Soil sample collected (10-12') at 1005
10			10-12	50	16.74	Coal Fragments (10-10.5')
12		Brown				Brick Fragments at 12'
12		End of Boring				
14						
16						
18						
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-15
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northwest of SEMW-3
0		Topsoil				Soil sample collected (0-6") at 1040
0-2		Fill (Silty Sand) Black/gray, medium grained, medium dense, loose, trace clay, damp	0-2		13.24	Glass Fragments (1-1.5')
2-4			2-4	50	6.72	Soil sample collected (2-4') at 1050
4-6		Increasing clay, orange mottling	4-6		8.77	
6-8		Silty Clay Brown, medium stiff, medium plasticity, damp	6-8		6.09	
8-10		Sand Brown, fine grained, poorly graded, medium dense, dry	8-10	50	9.35	Soil sample collected (12-14') at 1100
10-12		Medium grained	10-12		9.95	
12-14		Tan	12-14		12.14	
14-16		Damp	14-16	50	17.55	Soil sample collected (14-15') at 1105
16-18		Saturated	16-18		22.32	Groundwater (15-18')
16-18		Sandy Gravel Brown, medium grained, well graded, medium dense, subangular, saturated	16-18	70	22.32	
18		End of Boring				
20						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-16
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northwest of SEMW-5
0		Fill (Sandy Gravel) Brown, loose, fine grained, subangular, well graded, moist	0-2		37.18	
2		Coke	2-4	80	21.47	
4		Sandy Gravel Black, fine grained, loose, well graded, wet	4-6		17.24	
6			6-8	20	19.22	
8			8-10		25.01	
10			10-12		9.45	
12			12-14	20	9.47	
14		Silty Clay Black, medium stiff, medium plasticity, 2% gravel, moist	14-16		12.39	
16			16-18	90	19.41	
18		Sand Gray, fine grained, medium dense, poorly graded, damp				Soil sample collected (16-18') at 1225
20		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-17
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northeast of SEMW-5
0-2		Fill (Silty Clay) Black, medium stiff, medium plasticity, wet	0-2		7.80	
2-4		Fill (Sand) Black/tan/orange, medium grained, loose, well graded, damp	2-4	80	8.24	Coal and Glass Fragments at 2-2.5'
4-6			4-6		7.89	
6-8			6-8	10	14.32	
8-10			8-10		12.82	
10-12		White Tan, poorly graded	10-12		48.29	Brick and Glass Fragments at 10-10.5'
12-14		Silty Clay Black, medium stiff, medium plasticity, moist	12-14	60	36.51	Soil sample collected (12-14') at 1310
14-16		Clayey Sand Black, fine grained, dense, poorly graded, damp	14-16		102	
16-18			16-18	60	122	Soil sample collected (16-18') at 1320
18-20		Silty Clay Gray, medium stiff, medium plasticity, 2% gravel, dry				
		End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-20
Date Drilled: 2/14/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Southwest of SEMW-6
0		Topsoil				
0-2		Fill (Silty Clay) Brown, medium stiff, medium plasticity, dry	0-2	80	20.41	Coal and Glass Fragments at 2-2.5'
2-4			2-4		15.98	
4-6		Moist, black mottling	4-6		18.48	
6-8		Coke	6-8	50	19.75	
8-10		Fill (Silty Clay) Brown, medium stiff, medium plasticity, damp	8-10		21.66	
10-12			10-12	50	15.79	
12-14			12-14		15.43	Soil sample collected (12-14') at 1410
14-16		Sand Brown, fine grained, loose, poorly graded, damp	14-16		22.02	
16-18		Gravelly Sand Tan, coarse grained, loose, well graded, damp	16-18	40	15.98	Soil sample collected (16-18') at 1415
18-20			18-20		32.19	Soil sample collected (18-20') at 1425
20		Moist End of Boring				

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-21
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Southeast of SEMW-6
0	█	Coke				
0-2	▨	Fill (Clayey Silt) Brown, non-plastic, soft, damp	0-2	90	13.10	
2-4	▨		2-4		19.08	Coal and Glass Fragments at 3-3.5'
4-6	▨		4-6		14.48	Soil sample collected (4-6') at 0830
6-8	▨	Fill (Sand) Brown/black, medium grained, well graded, damp	6-8	30	14.39	
8-10	▨	White Black	8-10		16.48	Coke fragments (8-12')
10-12	▨	Medium dense, poorly graded	10-12		9.21	
12-14	▨		12-14	10	11.06	
14-16	▨		14-16		20.64	
16-18	▨	Orange mottling	16-18		132	Odor (15-20') Brick Fragments (16.5-17') Soil sample collected (16-18') at 0845
18-20	▨	Wet	18-20	20	36.75	Soil sample collected (18-20') at 0848
20	▨					

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-21
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
		Silty Clay Gray, stiff, medium plasticity, damp End of Boring				
22						
24						
26						
28						
30						
32						
34						
36						
38						
40						

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-22
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Northeast of SEMW-6
0		Topsoil				
0-2		Clayey Silt Brown, medium stiff, low plasticity, dry	0-2		5.74	
2-4		Increased sand	2-4	50	7.52	
4-6		Sand Black/brown, medium grained, loose, poorly graded, damp	4-6		7.42	Soil sample collected (4-6') at 0912
6-8			6-8	50	6.15	
8-10			8-10		3.47	
10-12			10-12		8.86	
12		Brown				
12-14		Silty Sand Brown, fine grained, medium dense, poorly graded, damp	12-14	25	7.78	
14-16		Silty Clay Brown, medium stiff, medium plasticity, damp	14-16		10.07	
16-18		Sand Brown, medium grained, medium dense, poorly graded, damp	16-18	50	12.02	Soil sample collected (16-18') at 0930
18-20		Sandy Gravel Gray, fine grained, well graded, medium dense, subrounded, saturated	18-20		70.12	Saturated at 18.5'
20						End of Boring

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-23
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				West of SEMW-8
0		Topsoil				
0-2		Fill (Silty Sand) Brown, fine grained, well graded, loose, dry	0-2	40	10.60	
2-4	2-4		17.95			
4-6		Medium dense	4-6	30	10.22	Coke Fragments at 4-4.5' Soil sample collected (4-6') at 1300
6-8	6-8		10.50		Brick Fragments at 6-6.5'	
8-10	8-10		15.05			
10-12	10-12		10.71		Brick Fragments at 10-10.5	
12-14		Sand Brown, fine grained, medium dense, poorly graded, dry	12-14	50	13.65	Soil sample collected (12-14') at 1310 (SESBD-8)
14-16	5% gravel		14-16		13.66	
16-18			16-18	60	15.85	
18-20		Clayey Silt Gray, medium stiff, low plasticity, damp	18-20		9.79	Soil sample collected (18-20') at 1322
20						End of Boring

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-24
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				North of SEMW-8
0		Topsoil				
0-2		Fill (Sand) Black, medium grained, loose, well graded, damp	0-2		3.97	Coal Fragments at 1-2'
2-4			2-4	30	5.66	
4-6			4-6		5.40	Brick Fragments at 4-4.5' Soil sample collected (4-6') at 1200
6-8		Brown	6-8	30	8.32	
8-10		Trace clay	8-10		5.91	Wood at 9-9.5'
10-12		Red	10-12		35.74	Glass Fragments at 11-11.5'
12-14		Black, fine grained	12-14	50	82.55	Brick Fragments at 12-12.5' Soil sample collected (12-14') at 1220
14-16		Moist	14-16		252	Glass Fragments at 14.5-15'
16-18		Sand Black/gray, medium grained, medium dense, poorly graded, saturated	16-18	90	209	Saturated at 16'
18-20		Fine grained				
18-20		Sandy Clay Brown, medium stiff, medium plasticity, saturated	18-20		144	
20						End of Boring

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SESB-25
Date Drilled: 2/15/2011
Personnel: Matt Hennessy
Boring Location: See Comments Below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Southeast of SEMW-8
0		Topsoil				
0		Fill (Sand) Black, medium grained, loose, well graded, damp	0-2		5.22	
2			2-4	30	5.49	Coke Fragments at 3.5-4'
4			4-6		7.12	Soil sample collected (4-6') at 1330
6		Silty Clay Gray, medium stiff, medium plasticity, damp	6-8	30	8.19	
8			8-10		9.32	
10			10-12		7.14	
12			12-14	50	22.58	Wood at 12-12.5' Soil sample collected (12-14') at 1340
14		Clayey Sand Gray, fined grained, medium dense, poorly graded, damp	14-16		20.17	
16		Medium grained				
16		Clayey Silt Gray, medium stiff, low plasticity, damp	16-18	50	23.11	
18			18-20		26.29	Soil sample collected (18-20') at 1400
20						End of Boring

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-27/SEMW-10
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: SE of SEMW-7
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				Soil sample collected (0"-6") at 08:25 for laboratory analysis
0-2		Fill (Silty Clay) Brown, medium plasticity, medium stiff, moist	0-2	65	17.19	Rock fragments (0'-1')
2-4			2-4		16.80	
4-6		Fill (Sand) Black, medium grained, loose, well graded, damp	4-6	80	19.61	Coke fragments at 4'
6-8			6-8		21.84	
8-10		Fill (Sandy Gravel) Black, coarse grained, loose, well graded, damp	8-10	50	22.81	Glass at 9.75'
10-12			10-12		22.69	
12-14		Clayey Sand Orangish-brown, coarse grained, medium dense, well graded, moist	12-14	70	29.11	Coke fragments at 11.5' Rock fragments at 12'
14-16			14-16		25.34	
16-18		Silty Clay Grayish-brown, low plasticity, med. stiff, moist Gray, plastic	16-18	100	25.50	Soil sample collected (18'-20') at 09:23 for laboratory analysis 1" gravel seams at 19' and 19.5'
18-20*			18-20*		25.90	
20						Groundwater at 20'

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-27/SEMW-10
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: SE of SEMW-7
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
22		Sand Gray, medium grained, loose, well graded, saturated	20-22	100	25.86	Well screened from 12'-22'
		Some gravel	22-24		26.66	
24		Silty Clay Gray, low plasticity, stiff, damp				
		End of Boring				
26						
28						
30						
32						
34						
36						
38						
40						

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-28/SEMW-11
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: SW of SEMW-9
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				Soil sample collected (0"-6") at 10:05 for laboratory analysis
0-2		Fill (Sandy Clay) Brown, medium plasticity, soft, damp	0-2	65	5.3	Rock fragments (0'-2.5')
2-4		High plasticity, medium stiff, moist, trace gravel	2-4		63.3	Coke fragments at 3'
4-6			4-6		103.0	Coke fragments (4.5'-5')
6-8*			6-8*	70	262.0	Soil sample collected (6'-8') at 14:42 for laboratory analysis (SESBD-1) Coke fragments at 7'
8		Fill (Clayey Sand) Gray, coarse grained, loose, well graded, damp				Rock and brick fragments at 7.5'
8-10		Fill (Sandy Clay) Brown, high plasticity, soft, moist	8-10		127.0	Glass fragments at 9.75'
10-12		Fill (Sand) Black/orange, coarse grained, dense, well graded, moist	10-12	90	53.9	Well screened from 10'-20'
12-14		Silty Clay Gray, low plasticity, stiff, damp	12-14		5.1	
14-16*		Brown w/orange mottling, low plasticity, moist Trace gravel	14-16*	100	10.6	Soil sample collected (14'-16') at 15:10 for laboratory analysis
16-18		Sand Gray w/orange mottling, medium grained, dense, well graded, wet	16-18		7.3	
18-20		Silty Clay Black, high plasticity, soft, wet		95		Groundwater at 18'
18-20		Sand Brown, medium grained, loose, well graded, wet	18-20		3.5	
20						End of Boring

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-29/SEMW-12
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: East corner of property
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				Soil sample collected (0"-6") at 12:50 for laboratory analysis (MS/MSD)
		Fill (Sand w/ Coke)				
0		Fill (Sand) Brown/orange, medium grained, loose, well graded, dry	0-2	50	4,772	Glass fragments at 1.75'
2			2-4		409	
4		Some gravel Gray/orange	4-6	30	412	Glass fragments (7'-10.5')
6			6-8		377	
8			8-10*	753	Soil sample collected (8'-10') at 13:55 for laboratory analysis	
10			10-12	35	111	Coal (11.5'-12')
12		Fine grained	12-14	108		
14		Black Gray/orange	14-16*	70	46.8	Soil sample collected (14'-16') at 14:05 for laboratory analysis
16		Silty Clay Black, high plasticity, soft, wet				1" sand seam at 15.25'
16		Gray				Groundwater at 16'-17.25'
16		Sandy Gravel Gray, coarse grained, dense, well graded, saturated	16-18	90	127	Well screened from 10'-20'
18			18-20		632	
20		Silty Clay Gray, low plasticity, stiff, moist, few gravel Very stiff, damp				

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-30
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: NW of SEMW-11
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				Soil sample collected (0"-6") at 07:53 for laboratory analysis (SESBD 0"-6")
0-2		Fill (Gravelly Sand) Grayish-brown, coarse grained, loose, well graded, damp	0-2	80	0.3	Coke fragments (1'-8.5')
2-4			2-4		0.3	
4-6*			4-6*		6.8	Soil sample collected (4'-6') at 08:38 for laboratory analysis
6-8			6-8	65	5.8	
8-10		Clayey Silt Brown, medium plasticity, soft, moist	8-10		1.4	
10-12*			10-12*	100	2.2	Glass fragments at 10'
10-12'		Sand Brown, medium grained, dense, poorly graded, moist				Rock fragments at 11.25'
12-14		Gravelly Sand Brown, coarse grained, medium dense, well graded, moist	12-14		3.7	Soil sample collected (10'-12') at 08:50 for laboratory analysis
12-14.75'						Groundwater at 13'-14.75'
14-16		Silty Clay Grayish-brown, low plasticity, hard, damp	14-16	100	3.2	Groundwater sample collected at 11:40 for laboratory analysis
16-18		Gravelly Sand Grayish-brown, medium grained, loose, well graded, saturated				
18-20		Sand Gray, fine grained, dense, poorly graded, saturated				
18-20		Silty Clay Gray, low plasticity, stiff, damp Few gravel, very stiff				

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-31
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: NW of SEMW-9
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Asphalt and Gravel				Soil sample collected (0-"6") at 10:00 for laboratory analysis
0-2		Fill (Gravelly Sand) Gray, coarse grained, loose, well graded, damp	0-2	50	0.4	
2			2-4		0.3	Coke fragments (2'-4')
4			4-6*		0.5	Glass fragments at 4.5'
6			6-8	50	0.3	Soil sample collected (4'-6') at 09:50 for laboratory analysis
8		Fill (Clayey Silt) Brown, non-plastic, soft, damp				Coal at 7.5'
8		Fill (Sandy Gravel) Black/gray, coarse grained, loose, well graded, damp	8-10		0.2	Coke and brick fragments (8.25'-9.75')
10		Sand Brown, fine grained, medium dense, poorly graded, moist	10-12*	100	0.2	Soil sample collected (10'-12') at 10:20 for laboratory analysis
12		Gravelly Sand Brown, medium grained, medium dense, well graded, moist	12-14		0.4	Groundwater at 13'-16' Groundwater sample collected at 12:55 for laboratory analysis
14		Silty Clay Gray, low plasticity, stiff, damp, trace gravel	14-16	100	0.3	
16		Sand Brown, medium grained, medium dense, poorly graded, saturated				
16		Silty Clay Grayish-brown, low plasticity, stiff, damp, trace gravel				
18		Sand Grayish-brown, medium grained, loose, poorly graded, saturated				
20		End of Boring				

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JM0823.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring ID: SESB-32
Date Drilled: 06/25/2012
Personnel: Lindsay Perazzo
Boring Location: East of SEMW-9
Driller: ARK

Depth (ft bg)	Symbol	Description	Interval (ft bg)	Recovery %	PID (ppm)	Comments
0		Ground Surface				
0		Fill (Sand w/ Coke)				Soil sample collected (0"-6") at 11:35 for laboratory analysis
0-2		Fill (Gravelly Sand) Gray/orange, coarse grained, loose, well graded, damp	0-2	75	0.4	
2			2-4		0.6	Coke fragments (1'-12.5')
4			4-6		0.8	Coal at 4'
6			6-8	75	0.8	Coal at 5'
8			8-10		1.1	Coal at 8.25'
10			10-12	50	1.1	Rock fragments at 10'
12			12-14*		1.2	Soil sample collected (12'-14') at 12:35 for laboratory analysis (MS/MSD)
14		Silty Clay Gray, high plasticity, soft, wet	14-16	80	1.3	
16		Sandy Gravel Gray, coarse grained, dense, well graded, saturated Medium dense	16-18		1.2	Groundwater at 15.5' Groundwater sample collected at 14:50 for laboratory analysis
18			18-20	100	1.2	
20		Sand Gray, medium grained, dense, well graded, some gravel, saturated				End of Boring

PID = photoionizable vapors
 ft bg = feet below grade
 ND = not detected at 0.1 ppm

-- = no headspace analysis
 ppm = parts per million
 * = submitted for laboratory analysis



Project Number: JK0955.320
Client Name: Citizens Energy Group
Project Name: Prospect Southeastern
Drilling Method: Geoprobe
Site Location: Indianapolis, IN
Elevation: N/A

Soil Boring Identification: SETP-1(Boring)
Date Drilled: 10/29/2010
Personnel: Andrew Herrmann, Dawn Knipe
Boring Location: See comments below
Driller: EFS

Depth (ft bg)	Symbol	Description	Interval	Recovery %	FID (ppm)	Comments
0		Ground Surface				Boring Location: S of Test Pit-1
0		Fill (Gravelly Silt) Dark Brown, soft, dry Brick Fragments	0-2	100	0.72	
2		Fill (Sandy Silt) Dark Brown, soft, dry, 20% gravel with metal and glass debris	2-4	100	0.53	
4		Fill (Silty Sand) Black, loose, poorly graded, fine grained, moist with scrap metal and brick debris	4-6	100	0.48	
6		Fill (Silty Gravel) Black, loose, well graded, medium grained, moist	6-8	100	0.68	
8		Asphalt debris				
8		Fill (Sandy Silt) Black, soft, moist, 15% gravel with scrap metal debris	8-10		1.62	
10			10-12		1.84	
12			12-14		4.93	
14		Clayey Sand Brown/Black, loose, poorly graded, medium grained, wet	14-16		39.98	
16		Sandy Clay Orange/Gray, soft, moist, 3% gravel	16-17		15.21	
16		Sandy Gravel Gray, loose, well graded, medium grained, wet Saturated				
18		End of Boring				
20						

Soil sample collected (15.5' - 16.5') at 9:50 for laboratory analysis

GW @ 16.5'

FID = flame ionization detector
 ft bg = feet below grade
 ND = not detected

-- = no headspace analysis
 ppm = parts per million
 * = Sample collected for laboratory analysis



SESB-33	Project Number: JP1901.320	Date Drilled: 7/6/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Ryan
	Drilling Method: Dual Tube	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						Soil sample SESB-33-0-1 collected at 1142
1		(Silty sand) grayish-brown, medium grained, medium dense, well graded, damp, trace gravel	50	46.2/ 2.8			Wood, brick, and coke fragments (1-4')
2							
3			0.4/ 0.9				
4		Light brown					
5	FILL MATERIAL		20	0.2/ 1.0			Black/orange mottling at 6' Soil sample SESB-33-6-8 collected at 1624
6							
7		Increase gravel		1.7/ 0.7			
8		(Sandy clay) black, medium plasticity, soft, damp, trace gravel		0.0/ --			
9	SAND		70				
10		(Clayey sand) brown, fine grained, loose, moderately graded, moist, trace gravel					
11							
12		Light brown, medium grained, medium dense, well graded, saturated, trace gravel		0.4/ 0.6			
13			10				
14							
15	SANDY GRAVEL		40				
16		Brown, coarse grained, loose, well graded, saturated					
17				0.4/ 1.0			
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-33	Project Number: JP1901.320	Date Drilled: 7/6/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Ryan
	Drilling Method: Dual Tube	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
20	SANDY GRAVEL		40	0.3/ 1.6				
21				0.3/ 0.6				
22			10	0.5/ 1.7				
23				0.6/ 1.0				
24	SILTY CLAY	Dark gray, low plasticity, very stiff, damp, trace gravel	60	0.3/ 0.9			Soil sample SESB-33-28-30 collected at 1624	
25								
26								
27								
28								
29								
30							End of boring at 30'	

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-34	Project Number: JP1901.320	Date Drilled: 7/6/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						
0-1		(Gravelly sand) black, coarse grained, loose, well graded, damp, trace clay	75	0.3/ 0.2			Soil sample SESB-34-0-1 collected at 1806 Wood and coal fragments (0.5-13.5')
1-2		Black		0.3/ 0.0			
2-4		Blackish brown, fine to medium grained					
4-6	FILL MATERIAL		20	0.7/ 0.4			Orange mottling (5-8')
6-7				0.4/ 0.0			
7-8			Dark brown, moist, increase clay				
8-10			5	5.0/ 3.7			Soil sample SESB-34-8-10 collected at 1806 Red mottling (8-12')
10-11				2.0/ 0.5			
11-12							
12-13	SILTY SAND	Gray, medium dense, moderately graded, moist	100	0.8/ 9.8			
13-14							
14-15	SANDY CLAY	Light brown, wet to saturated		0.4/ 1.0			
15-16		Gray, medium plasticity, medium stiff, wet, trace gravel					
16-17	SILTY SAND	Gray, fine grained, medium dense, poorly graded, wet, some clayey sand		0.8/ 3.9			
17-18							
18-19	SANDY GRAVEL	Brown, coarse grained, loose, well graded, moist	100	0.8/ 3.9			
19-20					0.6/ 2.4		

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-34	Project Number: JP1901.320	Date Drilled: 7/6/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SAND	Gray, coarse grained, medium dense, well graded, wet, trace silt	100	0.7/ 3.0			
21		Fine grained, poorly graded, decrease gravel					
22	SANDY CLAY	Gray, medium plasticity, stiff, damp, trace gravel	100	0.2/ 1.9			
23		Increase sand					
24	SILTY CLAY	Medium plasticity, medium stiff, damp, trace gravel	100	0.0/ 0.0			
25							
26							Soil sample SESB-34-26-28 collected at 1806
27							End of boring at 28'
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-35	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments		
0	TOPSOIL						Soil sample SESB-35-0-1 collected at 0920		
1	FILL MATERIAL	(Clayey sand) brownish black, medium grained, medium dense, well graded, damp	60	0.3/ NA			Brick, coke, and glass fragments (0.5-9.5')		
2									
3			36.4/ NA	30			0.6/ NA	Orange mottling (2-13')	
4									
5			Orangish brown	0.5/ NA			30	2.0/ NA	Soil sample SESB-35-8-10 collected at 0920
6									
7		Wet, increase clay and gravel	0.6/ NA	90	8.0/ NA				
8									
9	SILTY SAND	Dark gray, medium grained, medium dense, poorly graded, saturated	90	1.5/ NA					
10									
11	SILTY CLAY	Dark brown, increase gravel and clay	90	1.4/ NA			Soil sample SESB-35-18-20 collected at 0920		
12									
13		Light gray, medium plasticity, stiff, damp, trace gravel		1.1/ NA			End of boring at 20'		
14									
15									
16									
17									
18									
19									
20									

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-36	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						
1	FILL MATERIAL	(Clayey sand) black, medium grained, medium dense, moderately graded, trace gravel	50	0.3/ NA			Soil sample SESB-36-0-1 collected at 1120 Orange mottling (0.5-8') Brick, coke, and glass fragments (1-6')
2							
3			0.4/ NA				
4							
5	SANDY CLAY	Orangish brown/black, high plasticity, soft, damp,	30	1.1/ NA			Soil sample SESB-36-4-6 collected at 1120
6							
7		Fine grained, increase sand		0.5/ NA			
8	SANDY CLAY		40	0.6/ NA			
9							
10				0.4/ NA			
11	SILTY SAND	Increase sand	90	162.3/ NA			Strong odor and black staining (12-20')
12							
13		Dark gray/black, medium grained, medium dense, poorly graded, moist					
14							
15				291.5/ NA			
16	SILTY SAND	Light gray, coarse grained, saturated	100				
17							
18				19.1/ NA			
19	SILTY CLAY						
20		Light gray, medium plasticity, stiff, damp, trace sand					

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-36	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY CLAY		100	9.2/ NA			
21				7.8/ NA			
22	SILTY SAND	Light gray, fine grained, medium dense, poorly graded, damp	100	2.2/ NA			
23				Wet, increase gravel			
24	SILTY CLAY	Dark gray, low plasticity, very stiff, damp, trace gravel	100	1.9/ NA			Soil sample SESB-36-26-28 collected at 1220
25							End of boring at 28'
26							
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-37	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						
0-1		(Gravelly sand) dark brown, medium grained, well graded, damp, trace clay	75	1.1/ NA			Soil sample SESB-37-0-1 collected at 1405, MS/MSD Wood, brick, coke, and glass fragments (0.5-12')
1-2							
2-3					1.4/ NA		
3-4	FILL MATERIAL	Light brown	60	3.0/ NA			Soil sample SESB-37-4-6 collected at 1405 Red mottling (5-10')
4-5							
5-6							
6-7						2.3/ NA	
7-8			Moist	60	3.4/ NA		
8-9							
9-10			(Sandy clay) orangish brown, medium plasticity, soft, wet			1.5/ NA	
10-11			75	1.3/ NA			Black staining and strong odor (11.5-12')
11-12		Black, saturated					
12-13		Dark gray					
13-14	SILTY SAND	Dark gray, coarse grained, medium dense, moderately graded, wet	75	1.1/ NA			
14-15							
15-16		Increase gravel	90	1.5/ NA			
16-17							
17-18							
18-19	SANDY CLAY	Light gray, medium plasticity, medium stiff, wet	90	1.3/ NA			
19-20	GRAVELLY SAND	Light gray, coarse grained, medium dense, well graded, wet					

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-37	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND	Increase clay	100	2.0/ NA			Soil sample SESB-37-26-28 collected at 1405 End of boring at 28'
21				2.4/ NA			
22							
23	SILTY CLAY	Gray, low plasticity, very stiff, damp, trace gravel	100	3.5/ NA			
24				1.8/ NA			
25							
26							
27							
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-38	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						
1	FILL MATERIAL	(Clayey sand) brown, medium grained, medium dense, damp, trace gravel	70	0.9/ NA			Soil sample SESB-38-0-1 collected at 1630 Orange mottling (0.5-8') Brick, coke, and glass fragments (1-10')
2							
3			1.0/ NA				
4		Black, increaes clay	25	1.4/ NA			
5							
6				0.7/ NA			
7	SANDY CLAY	Reddish brown/black	20	0.9/ NA			Soil sample SESB-38-4-6 collected at 1630 Reddish brown and black mottling (8-11')
8							
9				0.9/ NA			
10							
11	CLAYEY SAND	Moist	75	0.9/ NA			Orange mottling (11-12')
12							
13		Dark brown, medium plasticity, medium to soft, saturated		0.7/ NA			
14							
15		Brown, fine grained, medium dense, poorly graded, wet	100	0.7/ NA			
16							
17		Increase gravel		0.5/ NA			
18				0.7/ NA			
19		Increase silt					
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-38	Project Number: JP1901.320	Date Drilled: 7/7/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	CLAYEY SAND	Brown, coarse grained, medium dense, well graded, saturated, some gravel	100	1.1/ NA			
21							
22	SILTY SAND	Decrease gravel		0.8/ NA			
23							
24	SILTY CLAY	Dark gray, low plasticity, very stiff, damp, trace gravel	100	0.9/ NA			Soil sample SESB-38-26-28 collected at 1630
25							
26							
27				1.3/ NA			End of boring at 28'
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-39	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						Soil sample SESB-39-0-1 collected at 1725
1	FILL MATERIAL	(Silty clay) dark brown, low plasticity, soft, damp, trace sand	70	0.2/ NA			Coke and brick fragments (3-12') Blue and white fill (3.5-4') Reddish brown and orange mottling (4-8') Soil sample SESB-39-4-6 collected at 1730
2							
3			3.2/ NA				
4							
5	FILL MATERIAL		20	7.7/ NA			
6							
7			2.0/ NA				
8	FILL MATERIAL	(Sandy gravel) black/brown, coarse grained, medium dense, well graded, moist	15	0.2/ NA			
9							
10			0.0/ NA				
11		Wet to saturated					
12	SILTY SAND	Dark brown, medium grained, medium dense, poorly graded, saturated	40	0.0/ NA			
13	SILTY CLAY	Black, high plasticity, soft, wet, trace sand					
14	SANDY GRAVEL	Light brown, coarse grained, medium dense, well graded, saturated, trace silt		0.0/ NA			
15	SILTY SAND	Dark brown, medium grained, poorly graded, wet, trace gravel	90	0.0/ NA			
16							
17				Light brown			
18				Gray, trace clay			
19		Increase gravel		0.0/ NA			
20							

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SESB-39	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND	Brown, medium grained, medium dense, poorly graded, wet	100	0.2/ NA			
21							
22		Decrease gravel					
23			0.1/ NA				
24							
25				0.0/ NA			
26	SILTY CLAY	Brown/gray, low plasticity, very stiff, damp, trace gravel	100	0.0/ NA			
27					0.0/ NA		
28							

Soil sample SESB-39-26-28 collected at 1735

End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-40	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	ASPHALT						
1	FILL MATERIAL	(Clayey sand) dark brown, fine grained, medium dense, poorly graded, damp	50	0.4/ NA			Soil sample SESB-40-0-1 collected at 1100 Orange mottling (0.5-13') Brick and coke fragments (1-3.5')
2							
3			0.7/ NA				
4		Light brown					
5	FILL MATERIAL		50	0.6/ NA			Soil sample SESB-40-4-6 collected at 1110
6							
7				0.7/ NA			
8		Increase gravel					
9	GRAVELLY SAND	Light brown, coarse grained, well graded, wet	40	1.3/ NA			
10							
11		Fine grained		1.4/ NA			
12	GRAVELLY SAND		95	1.0/ NA			
13		Light brown, fine grained, medium dense, poorly graded, saturated					
14							
15	SILTY SAND	Gray, fine grained, medium dense, poorly graded, saturated, trace gravel		0.9/ NA			
16	CLAYEY SAND						
17	GRAVELLY SAND	Coarse grained, medium dense, well graded, saturated	90	1.3/ NA			
18							
19		Increase clay		1.3/ NA			
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-40	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	GRAVELLY SAND		100	0.8/ NA			Soil sample SESB-40-22-24 collected at 1055
21							
22							
22	CLAYEY SAND	Fine grained, medium dense, poorly graded, wet					
23	SILTY CLAY	Dark gray, low plasticity, very stiff, damp, trace gravel		0.9/ NA			End of boring at 24'
24							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-41	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments	
0	TOPSOIL						Soil sample SESB-41-0-1 collected at 1550, SB-Dup-2-20160708	
1	FILL MATERIAL	(Silty sand) dark brown/black, loose, dry	60	0.2/ NA			Coke and brick fragments (2-7')	
2				0.3/ NA				
3	CLAYEY SAND	Dark brown/black, medium grained, medium dense, moderately graded, damp	60	0.3/ NA			Soil sample SESB-41-4-6 collected at 1555	
4								
5								
6	SILTY SAND	Dark brown, coarse grained, medium dense, well graded, wet, trace gravel	10	0.1/ NA			Orange mottling at 6'	
7								
8	CLAYEY SAND	Dark brown/gray, fine grained, medium dense, poorly graded	70	0.2/ NA			Saturated at 8'	
9								
10								
11								
12								
13	CLAYEY SAND	Light brown/gray	90	0.2/ NA			Orange mottling at 13'	
14								
15								
16								
17	CLAYEY SAND	Light brown, fine grained, dense, poorly graded, trace gravel	90	0.5/ NA				
18								
19								
20		Increase clay		0.3/ NA				
		Gray		0.4/ NA				

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-41	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND	Light brown, coarse grained, medium dense, poorly graded, wet, trace gravel	90	0.5/ NA			
21							
22							
23	CLAYEY SAND	Gray, fine grained, medium dense, moist		0.3/ NA			
24							
25	GRAVELLY SAND	Coarse grained, medium dense, well graded, moist	100	0.5/ NA			
26							
27	SILTY CLAY	Light gray, low plasticity, very stiff, damp, trace gravel		0.4/ NA			Soil sample SESB-41-26-28 collected at 1545
28							End of boring at 28'

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-42	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						Soil sample SESB-42-0-1 collected at 1410
1	FILL MATERIAL	(Clayey sand) dark brown, medium grained, medium dense, moderately graded, damp, trace gravel	20	0.4/ NA			Brick and coke fragments (1-10')
2							Soil sample SESB-42-2-4 collected at 1405
3			40	0.6/ NA			Orange mottling (4-8')
4							
5				0.5/ NA			
6	SANDY CLAY	Dark brown, medium plasticity, soft, moist, trace gravel	30	0.5/ NA			Saturated at 12'
7							
8			Wet				
9	SANDY GRAVEL	Dark brown, medium dense, well graded, saturated, trace silt	80	0.4/ NA			
10							
11							
12	GRAVELLY SAND	Orange/brown, coarse grained, medium dense, well graded, wet, trace silt	80	0.5/ NA			
13							
14			Fine grained				
15							
16							
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-42	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND	Light brown/gray, fine grained, poorly graded	90	0.3/ NA			
21							
22							
23	SILTY CLAY	Gray, low plasticity, very stiff, damp, trace gravel	100	0.3/ NA			Soil sample SESB-42-26-28 collected at 1415
24							
25							
26							
27				0.5/ NA			End of boring at 28'
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-43	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	TOPSOIL						
1	FILL MATERIAL	Light brown, medium grained, medium dense, well graded, damp, trace gravel	70	0.6/ NA			Soil sample SESB-43-0-1 collected at 1230 Orange mottling (0.5-7') Brick and coke fragments (1-5')
2							
3	FILL MATERIAL	Dark brown	25	0.5/ NA			Soil sample SESB-43-2-4 collected at 1235
4							
5	CLAYEY SAND		40	0.4/ NA			
6							
7		Brown, medium dense, moderately graded, damp, trace gravel		0.6/ NA			
8		Moist		0.9/ NA			
9	CLAYEY SAND		50	0.9/ NA			
10							
11		Gray, coarse grained, saturated		1.1/ NA			
12	SANDY GRAVEL		90	1.2/ NA			
13		Fine grained, trace gravel, increase clay					
14	SANDY GRAVEL	Light brown, coarse grained, loose, well graded, wet, trace silt	90	1.0/ NA			
15	CLAYEY SAND	Gray, medium grained, medium dense, poorly graded, wet, trace gravel		1.0/ NA			
16							
17							
18							
19							
20							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



SESB-43	Project Number: JP1901.320	Date Drilled: 7/8/2016
	Client Name: CEG Prospect	Personnel: SK/AH
	Project Name: Southeastern	Driller: EFS - Kevin
	Drilling Method: Macro-Coring	Driller License: NA
	Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: NA
	UTM Northing*: NA	UTM Easting*: NA
	Boring Location: SE	Surface Elevation*: NA

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	CLAYEY SAND		90	0.5/ NA			
21		Fine grained, decrease gravel					
22				0.7/ NA			
23		Increase silt	95	0.8/ NA			
24							
25	SILTY CLAY	Brownish gray, low plasticity, very stiff, damp		1.5/ NA			
26						Soil sample SESB-43-26-28 collected at 1225	
27						End of boring at 28'	
28							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/11/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1643165.79	UTM Easting*: 202853.19
Boring Location: SESB-66/SEMW-13	Surface Elevation*: 752.67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
0	FILL MATERIAL	(Silty sand), dark brown, medium grained, medium dense, damp	80	0.1/ NM			NM = Not measured; FID malfunctioned
1							
2							
3							
4							
5	CLAYEY SAND	(Gravelly sand), dark and light brown, medium grained, loose, damp	55	0.2/ NM			Brick fragments at 5'
6							
7							
8							
9	SILTY SAND	Inceased grain size	10	0.7/ NM			Well screen set at (18.5-28.5')
10							
11							
12							
13	CLAYEY SAND	Dark brown, fine grained, medium dense, poorly graded, moist	50	0.4/ NM			
14							
15	SILTY SAND	Light brown, coarse grained, medium dense, well graded, saturated	70	1.4/ NM			
16							
17							
18							
19				0.5/ NM			
20				0.3/ NM			

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.



Project Number: JR0576.359	Date Drilled: 5/11/2017
Client Name: Citizens Energy Group	Personnel: D.Smith
Project Name: Data Gap Investigation	Driller: EFS - K.Nagle
Drilling Method: Dual Tube	Driller License: 4086WD
Site Address: 2950 Prospect St., Indpls., IN	GW Sample Method: Permanent Well Installed
UTM Northing*: 1643165.79	UTM Easting*: 202853.19
Boring Location: SESB-66/SEMW-13	Surface Elevation*: 752.67

Depth (ft.)	Soil Type	Lithology Description	% Recovery	PID/FID (ppm)	GW Sample Interval	Soil Sample Interval	Comments
20	SILTY SAND	Loose	40	0.2/ NM	[Diagrammatic representation of sample intervals]	[Diagrammatic representation of soil sample intervals]	
21							
22							
23		Fine grained, medium dense	0.2/ NM				
24	SILTY SAND	Wet	60	0.2/ NM	[Diagrammatic representation of sample intervals]	[Diagrammatic representation of soil sample intervals]	
25							
26							
27			0.3/ NM				
28	SILTY CLAY	Gray, low plasticity, hard, damp, trace sand	85	0.1/ NM	[Diagrammatic representation of sample intervals]	[Diagrammatic representation of soil sample intervals]	End of boring at 32'
29							
30							
31			0.1/ NM				
32							

* = UTM Northing, Easting, and Surface Elevation are estimated, unless specified in the report to have been surveyed.

ATTACHMENT D

Soil and Groundwater Analytical Results

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
BBSS-99-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSS-100-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-101-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-102-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-103-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-104-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-105-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-106-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-107-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-108-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSS-109-0-0.5	0	0.5	05/12/2017	<Res SL					
BBSS-110-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-111-0-0.5	0	0.5	05/12/2017	<Res SL					
BBSS-112-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-113-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-114-0-0.5	0	0.5	05/11/2017	>Exc SL	<Res SL	<Res SL	>Res SL	>Exc SL	<Res SL
BBSS-115-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	<Res SL	<Res SL	>Res SL
BBSS-116-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-117-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-118-0-0.5	0	0.5	05/11/2017	<Res SL					
BBSS-119-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-120-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSS-121-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-122-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-123-0-0.5	0	0.5	05/12/2017	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSS-124-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	>Res SL
BBSS-125-0-0.5	0	0.5	05/12/2017	<Res SL					
BBSS-126-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSS-127-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSS-58-0-0.5	0	0.5	05/10/2017	>Exc SL	<Res SL	<Res SL	>Res SL	>Exc SL	<Res SL
CSSS-59-0-0.5	0	0.5	05/10/2017	<Res SL					
CSSS-60-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSS-61-0-0.5	0	0.5	05/16/2017	<Res SL					
CSSS-62-0-0.5	0	0.5	05/10/2017	<Res SL					
CSSS-63-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	>Res SL
CSSS-64-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
CSSS-65-0-0.5	0	0.5	05/10/2017	<Res SL					
CSSS-66-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSS-67-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSS-68-0-0.5	0	0.5	05/10/2017	>Ind SL	<Res SL	<Res SL	<Res SL	<Res SL	>Ind SL
CSSS-69-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL

Notes:

>Res SL	= Constituent detected above the 2017 IDEM RCG Residential Direct Contact (DC) Screening Level (SL)
>Ind SL	= Constituent detected above the 2017 IDEM RCG Commercial/Industrial DC SL
>Exc SL	= Constituent detected above the 2017 IDEM RCG Excavation DC SL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
CSSS-70-0-0.5	0	0.5	05/10/2017	<Res SL					
CSSS-71-0-0.5	0	0.5	05/10/2017	>Ind SL	<Res SL	<Res SL	>Res SL	>Ind SL	<Res SL
CSSS-72-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSS-73-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSS-74-0-0.5	0	0.5	05/10/2017	<Res SL					
GSSB-1 (0-6")	0	0.5	10/27/2010	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
GSSB-4 (0-6")	0	0.5	10/27/2010	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-7 (0-6")	0	0.5	10/26/2010	>Exc SL	<Res SL	<Res SL	>Res SL	>Exc SL	<Res SL
GSSB-11 (0-6")	0	0.5	10/28/2010	<Res SL					
GSSB-16 (0-6")	0	0.5	03/16/2011	>Exc SL	NA	NA	NA	>Exc SL	<Res SL
GSSB-17 (0-6")	0	0.5	3/16/2011	>Exc SL	NA	NA	NA	>Exc SL	<Res SL
GSSB-18 (0-6")	0	0.5	03/16/2011	>Exc SL	NA	NA	NA	>Exc SL	<Res SL
GSSB-21 (0-6")	0	0.5	03/16/2011	<Res SL					
GSSB-23 (0-6")	0	0.5	03/14/2011	>Res SL	NA	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-23 (0-6")	0	0.5	03/17/2011	<Res SL	<Res SL	NA	NA	<Res SL	<Res SL
GSSB-24 (0-6")	0	0.5	03/17/2011	<Res SL					
GSSB-25 (0-6")	0	0.5	03/15/2011	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-26 (0-6")	0	0.5	03/15/2011	<Res SL					
GSSB-29 (0-6")	0	0.5	10/25/2010	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-31 (0-6")	0	0.5	10/26/2010	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-32 (0-6")	0	0.5	10/25/2010	<Res SL					
GSSB-33 (0-6")	0	0.5	02/14/2011	>Ind SL	NA	NA	>Ind SL	<Res SL	<Res SL
GSSB-34 (0-6")	0	0.5	02/14/2011	>Res SL	NA	NA	>Res SL	<Res SL	<Res SL
GSSB-35 (0-6")	0	0.5	04/01/2011	<Res SL	NA	NA	<Res SL	<Res SL	<Res SL
GSSB-47	0	0.5	05/30/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-48	0	0.5	05/30/2013	<Res SL					
GSSB-49 0.5-1	0.5	1	06/04/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-50 0-0.5	0	0.5	06/04/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-51 0-0.5	0	0.5	06/04/2013	<Res SL					
GSSB-52 0.5-1	0	0.5	06/04/2013	<Res SL					
GSSB-53 0.5-1	0	0.5	06/04/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-54 0.5-1	0	0.5	06/04/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-90 (0-6")	0	0.5	08/26/2013	>Res SL	NA	NA	NA	>Res SL	<Res SL
GSSB-91 (0-6")	0	0.5	08/26/2013	<Res SL	NA	NA	NA	<Res SL	<Res SL
GSSB-92 (0-6")	0	0.5	08/26/2013	<Res SL	NA	NA	NA	<Res SL	<Res SL
GSSB-93 (0-6")	0	0.5	08/26/2013	>Exc SL	NA	NA	NA	>Exc SL	<Res SL
GSSB-94 (0-6")	0	0.5	08/26/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-95 (0-6")	0	0.5	08/26/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-96 (0-6")	0	0.5	08/26/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-97 (0-6")	0	0.5	08/26/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-98 (0-6")	0	0.5	08/26/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL

Notes:

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SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSB-99 (0-6")	0	0.5	08/26/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-102 (0-6")	0	0.5	10/01/2013	>Ind SL	NA	NA	NA	>Ind SL	<Res SL
GSSB-103 (0-6")	0	0.5	10/01/2013	>Ind SL	NA	NA	NA	>Ind SL	<Res SL
GSSB-104 (0-6")	0	0.5	10/01/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-105 (0-6")	0	0.5	10/01/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-106 (0-6")	0	0.5	10/01/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-107 (0-6")	0	0.5	10/01/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-108 (0-6")	0	0.5	10/01/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-117 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-118 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-119 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-120 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-121 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-122 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-123 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-124 (0-6")	0	0.5	11/25/2013	>Res SL	NA	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-125 (0-6")	0	0.5	11/25/2013	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-126 (0-6")	0	0.5	5/23/2014	<Res SL	NA	NA	NA	<Res SL	NA
GSSB-127 (0-6")	0	0.5	5/23/2014	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSB-134 (0-6")	0	0.5	09/25/2014	>Res SL	NA	NA	NA	>Res SL	<Res SL
GSSB-135 (0-6")	0	0.5	09/25/2014	>Exc SL	NA	NA	NA	>Exc SL	<Res SL
GSSB-136 (0-6")	0	0.5	09/25/2014	<Res SL	NA	NA	NA	<Res SL	<Res SL
GSSB-137 (0-6")	0	0.5	09/25/2014	<Res SL	NA	NA	NA	<Res SL	<Res SL
GSSB-140 (0-6")	0	0.5	09/25/2014	<Res SL	NA	NA	NA	<Res SL	NA
GSSB-141 (0-6")	0	0.5	09/25/2014	>Res SL	NA	NA	NA	>Res SL	<Res SL
GSSB-142 (0-6")	0	0.5	09/25/2014	>Res SL	NA	NA	NA	>Res SL	<Res SL
GSSB-143 (0-6")	0	0.5	09/25/2014	>Res SL	NA	NA	NA	>Res SL	<Res SL
GSSB-157 (0-6")	0	0.5	10/31/2014	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSB-158 (0-6")	0	0.5	10/31/2014	<Res SL	NA	NA	NA	<Res SL	NA
GSSB-159 (0-6")	0	0.5	10/31/2014	>Res SL	NA	NA	NA	>Res SL	NA
GSSB-161 (6-12")	0.5	1	10/31/2014	<Res SL	NA	NA	NA	<Res SL	NA
GSSB-162 (6-12")	0.5	1	10/31/2014	<Res SL	NA	NA	NA	<Res SL	NA
GSSB-163 (6-12")	0.5	1	10/31/2014	>Res SL	NA	NA	NA	>Res SL	NA
GSSB-164 (6-12")	0.5	1	10/31/2014	>Res SL	NA	NA	NA	>Res SL	NA
GSSB-165 (6-12")	0.5	1	10/31/2014	>Res SL	NA	NA	NA	>Res SL	NA
GSSB-166 (6-12")	0.5	1	10/31/2014	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-174-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-175-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-176-0-5	0	0.5	07/11/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
GSSS-177-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
GSSS-178-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL

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NA = Constituents not analyzed

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SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSS-179-0-5	0	0.5	07/11/2016	<Res SL					
GSSS-180-0-5	0	0.5	07/11/2016	<Res SL					
GSSS-181-0-5	0	0.5	07/11/2016	<Res SL					
GSSS-182-0-5	0	0.5	07/11/2016	<Res SL					
GSSS-183-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-184-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-185-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSS-186-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-187-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
GSSS-188-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
GSSS-189-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
GSSS-190-0-5	0	0.5	07/11/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
GSSS-191-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSS-192-0-5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSS-193-0-2	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-194-0-5	0	0.5	05/11/2017	<Res SL					
GSSS-195-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-196-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-197-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-198-0-5	0	0.5	05/16/2017	<Res SL					
GSSS-198-0-5	0	0.5	05/16/2017	<Res SL					
GSSS-199-0-5	0	0.5	05/10/2017	<Res SL					
GSSS-200-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-201-0-5	0	0.5	05/10/2017	>Ind SL	<Res SL	<Res SL	>Ind SL	>Ind SL	>Res SL
GSSS-202-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-203-0-5	0	0.5	05/09/2017	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	>Res SL
GSSS-204-0-5	0	0.5	05/10/2017	<Res SL					
GSSS-205-0-5	0	0.5	05/11/2017	<Res SL					
GSSS-206-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-207-0-5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-208-0-5	0	0.5	05/15/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSS-209-0-5	0	0.5	05/15/2017	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
GSSS-210-0-5	0	0.5	05/09/2017	<Res SL					
GSSS-211-0-5	0	0.5	05/09/2017	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
GSSSc-219	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSSc-220	0	0.5	05/31/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSSc-221	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSSc-222	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSSc-223	0	0.5	05/31/2017	>Ind SL	NA	NA	NA	>Ind SL	NA
GSSSc-224	0	0.5	05/31/2017	>Ind SL	NA	NA	NA	>Ind SL	NA
GSSSc-225	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSS-c-226	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-227-0-0.5	0	0.5	06/02/2017	>Ind SL	NA	NA	NA	>Ind SL	NA
GSSS-228-0-0.5	0	0.5	06/02/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSS-229-0-0.5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-230-0-0.5	0	0.5	06/02/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSS-231-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-232-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-233-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-234-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-235-0-0.5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-236-0-0.5	0	0.5	06/02/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSS-237-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-238-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-239-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-240-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-241-0-0.5	0	0.5	06/02/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSS-242-0-0.5	0	0.5	06/02/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-243-0-0.5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-244-0-0.5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-245-0-0.5	0	0.5	06/02/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-246-0-0.5	0	0.5	06/08/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-247-0-0.5	0	0.5	06/08/2017	>Res SL	NA	NA	NA	>Res SL	NA
GSSS-248-0-0.5	0	0.5	06/08/2017	>Exc SL	NA	NA	NA	>Exc SL	NA
GSSS-249-0-0.5	0	0.5	06/08/2017	<Res SL	NA	NA	NA	<Res SL	NA
GSSS-250-0-0.5	0	0.5	06/23/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESB-3 (0-6")	0	0.5	10/27/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-4 (0-6)	0	0.5	10/26/2010	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
SESB-5 (0-6")	0	0.5	10/25/2010	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESB-6 (0-6")	0	0.5	10/25/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-8 (0-6)	0	0.5	10/26/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-12 (0-6")	0	0.5	10/25/2010	<Res SL					
SESB-13 (0-6")	0	0.5	04/01/2011	>Res SL	NA	NA	>Res SL	<Res SL	NA
SESB-14 (0-6")	0	0.5	02/14/2011	<Res SL	NA	NA	<Res SL	<Res SL	NA
SESB-15 (0-6")	0	0.5	02/14/2011	>Res SL	NA	NA	NA	>Res SL	NA
SESB-16 (0-6")	0	0.5	03/14/2011	<Res SL	NA	NA	NA	<Res SL	NA
SESB-17 (0-6")	0	0.5	03/14/2011	>Ind SL	NA	NA	NA	>Ind SL	NA
SESB-18 (0-6")	0	0.5	02/16/2011	>Res SL	NA	NA	>Res SL	<Res SL	NA
SESB-19 (0-6")	0	0.5	02/16/2011	>Ind SL	NA	NA	>Ind SL	<Res SL	NA
SESB-26 (0-6")	0	0.5	04/01/2011	>Res SL	NA	NA	>Res SL	NA	NA
SESB-27 (0-6")	0	0.5	06/25/2012	<Res SL					
SESB-28 (0-6")	0	0.5	06/25/2012	<Res SL					

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SESB-29 (0-6")	0	0.5	06/25/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-30 (0-6")	0	0.5	06/26/2012	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESB-31 (0-6")	0	0.5	06/26/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-32 (0-6")	0	0.5	06/26/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-33-0-1	0	1	07/06/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-34-0-1	0	1	07/06/2016	<Res SL					
SESB-35-0-1	0	1	07/07/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-36-0-1	0	1	07/07/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-37-0-1	0	1	07/07/2016	<Res SL					
SESB-38-0-1	0	1	07/07/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-39-0-1	0	1	07/08/2016	>Res SL	<Res SL	NA	<Res SL	>Res SL	<Res SL
SESB-40-0-1	0	1	07/08/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-41-0-1	0	1	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-42-0-1	0	1	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-43-0-1	0	1	07/08/2016	<Res SL					
SESS-44-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	>Res SL	>Ind SL	<Res SL
SESS-45-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-46-0-5	0	0.5	07/11/2016	>Ind SL	<Res SL	<Res SL	>Ind SL	>Ind SL	<Res SL
SESS-47-0-5	0	0.5	07/11/2016	<Res SL					
SESS-48-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-49-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-50-0-5	0	0.5	07/11/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESS-51-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
SESS-52-0-5	0	0.5	07/11/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-53-0-0.5	0	0.5	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-54-0-0.5	0	0.5	05/10/2017	<Res SL					
SESS-55-0-0.5	0	0.5	05/10/2017	<Res SL					
SESS-56-0-0.5	0	0.5	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-57-0-0.5	0	0.5	05/10/2017	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESS-58-0-0.5	0	0.5	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-59-0-0.5	0	0.5	05/09/2017	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESSc-60	0	0.5	05/31/2017	>Ind SL	NA	NA	>Res SL	>Ind SL	NA
SESS-61-0-0.5	0	0.5	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-62-0-0.5	0	0.5	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-63-0-0.5	0	0.5	05/11/2017	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESS-64-0-0.5	0	0.5	05/11/2017	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
SESS-65-0-0.5	0	0.5	05/11/2017	>Ind SL	<Res SL	<Res SL	>Res SL	>Ind SL	<Res SL
SESSc-67	0	0.5	05/31/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESS-68-0-0.5	0	0.5	06/08/2017	>Exc SL	<Res SL	<Res SL	>Res SL	>Exc SL	<Res SL
SESS-69-0-0.5	0	0.5	06/08/2017	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESS-70-0-0.5	0	0.5	06/08/2017	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SESS-71-0-0.5	0	0.5	06/08/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESS-72-0-0.5	0	0.5	06/08/2017	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESS-73-0-0.5	0	0.5	06/08/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESSc-74-0-0.5	0	0.5	06/28/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESSc-75-0-0.5	0	0.5	06/28/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESSc-76-0-0.5	0	0.5	06/28/2017	>Ind SL	NA	NA	NA	>Ind SL	NA
SESSc-77-0-0.5	0	0.5	06/28/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESSc-78-0-0.5	0	0.5	06/28/2017	>Res SL	NA	NA	NA	>Res SL	NA
SESSc-79-0-0.5	0	0.5	06/28/2017	>Res SL	NA	NA	NA	>Res SL	NA
SE1-A1 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A2 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-A3 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-A4 (0-6")	0	0.5	7/11/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-A5 (0-6")	0	0.5	7/12/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A6 (0-6")	0	0.5	7/13/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A7 (0-6")	0	0.5	7/14/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A8 (0-6")	0	0.5	7/15/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-A9 (0-6")	0	0.5	7/16/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A10	0	0.5	7/12/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A11 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A12 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A13 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A14 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A15 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A16 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A17 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-A18 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-B1 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-B2 (0-6")	0	0.5	7/11/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-B3 (0-6")	0	0.5	7/11/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-B4	0	0.5	7/12/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-B5 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-B6 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-B10 (0-6")	0	0.5	7/11/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-B13	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A1-B15	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE1-C1	0	0.5	10/16/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-C2	0	0.5	10/16/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-C3	0	0.5	10/16/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-C4	0	0.5	10/16/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE1-D1	0	0.5	10/16/2012	<Res SL	NA	NA	<Res SL	NA	NA

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PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SE1-D2	0	0.5	10/16/2012	>Res SL	NA	NA	>Res SL	NA	NA
SE1-D3	0	0.5	10/16/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-E1	0	0.5	11/15/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-E2	0	0.5	11/15/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-E3	0	0.5	11/15/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-E4	0	0.5	11/15/2012	<Res SL	NA	NA	<Res SL	NA	NA
A1-F4	0	0.5	11/15/2012	<Res SL	NA	NA	<Res SL	NA	NA
SE2-A1 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-A2 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-A3 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-A4 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-A5 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-A6 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-A7 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-A8 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-A9 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-A10 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-A11 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-A12 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-B4 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-B5 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-B6 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-B7 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-B8 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-B9 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-B10 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-B11 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C1	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-C2	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-C3	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-C4	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-C5	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-C6	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C7	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C8	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-C9	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C10	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C11	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-C12	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C13	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-C14	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA

Notes:

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>Ind SL	= Constituent detected above the 2017 IDEM RCG Commercial/Industrial DC SL
>Exc SL	= Constituent detected above the 2017 IDEM RCG Excavation DC SL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SE2-C15	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C16	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C17	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-C18	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A2-C19	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-C20	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-C21	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-D1	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-D2	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-D3	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE2-D5	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE2-D11	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE2-D14	0	0.5	10/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-D15	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-D16	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-D17	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-D18	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-D19	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-E1	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A2-E2	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-E3	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-E5	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
A2-E6	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A2-E7	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A2-E8	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
A2-E9	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
1G	0	0.5	11/29/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-A1 (3-6")	0.25	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A2 (3-6")	0.25	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A3 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A4 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A5 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A6 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A7 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A8 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-A11 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-B1 (2-6")	0.16	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B2 (6-12")	0.5	1	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-B3 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B4 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B5 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA

Notes:

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RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SE3-B6 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B7 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B9 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-B11 (2-6")	0.16	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-B12 (6-12")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-B13 (3-6")	0.25	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-B14 (2-6")	0.16	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C3	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C4	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C5	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C6	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C7	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C8	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C9	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C10	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE3-C11	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C12	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C15	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-C16	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C19	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-C21	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-C22	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-D1	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-D2	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-D3	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE3-D7	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE3-D9	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A3-E1	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A3-E3	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A3-E4	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A3-F1	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A3-F2	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
2G	0	0.5	11/29/2012	<Res SL	NA	NA	NA	<Res SL	NA
3G	0	0.5	11/29/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-A1 (6-12")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-A2 (6-12")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-A3 (6-12")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-A4 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-A5 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-A6 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-A7 (0-6")	0	0.5	7/10/2012	>Ind SL	NA	NA	NA	>Ind SL	NA

Notes:

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IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SE4-A8 (6-12")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-A10 (6-12")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-A12 (6-12")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B2 (6-12")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-B3 (0-6")	0	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-B4 (0-6")	0	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-B5 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B6 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B7 (0-6")	0	0.5	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-B8 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B9 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B10 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B11 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B12 (0-6")	0	0.5	7/11/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-B14 (6-12")	0.5	1	7/11/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-B15 (6-12")	0.5	1	7/11/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-B16 (3-6")	0.25	0.5	7/10/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-B19 (3-6")	0.25	0.5	7/10/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-B20 (6-12")	0.5	1	7/11/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-C1	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C2	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C3	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C5	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-C6	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-C7	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C8	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C9	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-C10	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-C11	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C12	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C13	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C17	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-C19	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-D1	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-D2	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE4-D6	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-D7	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-D8	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA

Notes:

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NA = Constituents not analyzed

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Surface Soil Analytical Summary

Surface Soil ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SE4-D10	0	0.5	10/17/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE4-D12	0	0.5	10/17/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE4-D13	0	0.5	10/17/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-E1	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-E2	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-E3	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-E5	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-E6	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A4-E7	0	0.5	11/15/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-E8	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-E9	0	0.5	11/15/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-E10	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-F1	0	0.5	11/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-F2	0	0.5	11/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-F3	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-F4	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
A4-F5	0	0.5	11/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-F6	0	0.5	11/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
A4-F7	0	0.5	11/15/2012	<Res SL	NA	NA	NA	<Res SL	NA
A4-F10	0	0.5	11/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-F11	0	0.5	11/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
A4-F12	0	0.5	11/16/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
4G	0	0.5	11/29/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
5G	0	0.5	11/29/2012	<Res SL	NA	NA	NA	<Res SL	NA
6G	0	0.5	12/14/2012	>Ind SL	NA	NA	NA	>Ind SL	NA
SE5-A1	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-A2	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-A3	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-A5	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-A6	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-A7	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-A8	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-A9	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-A10	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-A12	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-B1	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-B2	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-B6	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-B7	0	0.5	10/16/2012	<Res SL	NA	NA	NA	<Res SL	NA
SE5-B18	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA
SE5-B19	0	0.5	10/16/2012	>Res SL	NA	NA	NA	>Res SL	NA

Notes:

>Res SL	= Constituent detected above the 2017 IDEM RCG Residential Direct Contact (DC) Screening Level (SL)
>Ind SL	= Constituent detected above the 2017 IDEM RCG Commercial/Industrial DC SL
>Exc SL	= Constituent detected above the 2017 IDEM RCG Excavation DC SL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(e,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Pirene	2-Ethylhexylphthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthylene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene						
act	act	NA	160	2,100	100,000	NA	1,600	21,000	82,000	1,000	3,400	8,000	1,500	53	170	27,000	2,500	340	5,000	NE	25,000	100,000	16	210	16	210	16	210	160	1,600	21,000	1,600	1.6	3,400	8,000	1.6	3,400
act	act	NA	100,000	100,000	100,000	100,000	100,000	100,000	100,000	1,900	68,000	12,000	100,000	100,000	3,100	100,000	51,000	6,800	100,000	NE	100,000	100,000	12,000	500	12,000	12,000	12,000	12,000	100,000	100,000	2,100	21,000	2,100	21,000	2,100	21,000	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.68	NA	NA	NA	NA	NA	0.54	1	0.077	0.069	1	1.7	6.1	4.6	4.3	2	3.5	6	1.4	6.2	1.3	3.3	6	1.4	6.2	1.3	3.3	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	1.7	NA	NA	NA	NA	NA	0.74	1.9	0.23	0.23	1.9	4.3	6.7	17.2	11.2	10.5	4.6	8.1	17.1	2.6	32.8	2.6	32.8	2.6	32.8	2.6	32.8	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	NA	NA	NA	NA	NA	<0.360	NA	<0.028	0.055	<0.028	0.055	0.063	0.14	0.096	0.12	0.059	0.078	0.16	<0.028	0.29	<0.028	0.29	<0.028	0.29	<0.028	0.29	<0.028
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.94	NA	NA	NA	NA	NA	<0.440	1.1	0.16	0.87	1.4	3.1	2.2	2.9	1.3	1.9	3.6	0.64	3.3	0.64	3.3	0.64	3.3	0.64	3.3	0.64	3.3	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	NA	NA	NA	NA	NA	<0.370	0.22	0.038	0.22	0.038	0.91	2.1	1.4	1.5	1.5	1.5	1.2	2.2	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.380	NA	NA	NA	NA	NA	<0.380	0.64	0.038	0.64	0.24	0.51	1.3	0.76	1	0.4	0.66	1.6	0.19	2.7	0.19	2.7	0.19	2.7	0.19	2.7	0.19	2.7
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.390	NA	NA	NA	NA	NA	<0.390	0.37	0.087	0.37	0.19	0.59	1.2	0.88	0.9	0.51	0.65	1.3	0.18	2.8	0.18	2.8	0.18	2.8	0.18	2.8	0.18	2.8
act	act	NA	NA	NA	NA	NA	NA	NA	NA	1.5	NA	NA	NA	NA	NA	<0.400	2.8	0.19	2.2	3.2	9.2	6	5.7	2.3	4.1	8.9	1.3	2.1	1.3	2.1	1.3	2.1	1.3	2.1	1.3	2.1	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.400	NA	NA	NA	NA	NA	<0.400	0.73	0.039	0.22	0.69	0.92	0.56	0.75	0.27	0.48	1.2	0.14	1.9	0.14	1.9	0.14	1.9	0.14	1.9	0.14	1.9	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.410	NA	NA	NA	NA	NA	<0.410	0.36	0.12	0.73	0.58	1.8	1.4	1.4	1.5	0.79	1	1.8	0.4	2.6	0.4	2.6	0.4	2.6	0.4	2.6	0.4	2.6
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	NA	NA	NA	NA	NA	<0.360	0.075	<0.027	0.16	0.24	0.96	0.68	0.91	0.4	0.57	1.1	0.18	1.6	0.18	1.6	0.18	1.6	0.18	1.6	0.18	1.6	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	2.4	NA	NA	NA	NA	NA	0.38	1.6	0.3	3.7	7	16.2	9.9	10.1	4.9	7.7	15.9	2.4	33.4	2.4	33.4	2.4	33.4	2.4	33.4	2.4	33.4	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.93	NA	NA	NA	NA	NA	<0.360	1.3	0.14	1.6	2.4	6.5	4.4	4.8	2.2	3.2	6.7	1.1	12.4	1.1	12.4	1.1	12.4	1.1	12.4	1.1	12.4	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.69	NA	NA	NA	NA	NA	<0.380	1.3	0.15	0.52	0.92	2.1	1.3	1.8	1.8	0.86	1.3	2.5	0.39	4.1	0.39	4.1	0.39	4.1	0.39	4.1	0.39	4.1
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	NA	<0.380	0.9	0.33	0.89	1.6	4.4	3.3	3.7	1.9	2.4	4.9	0.78	9.5	0.78	9.5	0.78	9.5	0.78	9.5	0.78	9.5	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.41	NA	NA	NA	NA	NA	<0.360	0.41	0.064	1.1	1.7	4.6	3.5	3.7	2	2.8	5.4	0.88	7.6	0.88	7.6	0.88	7.6	0.88	7.6	0.88	7.6	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	NA	NA	NA	NA	NA	<0.370	0.036	0.015	0.24	0.39	0.79	0.64	0.65	0.44	0.44	0.93	0.13	2.2	0.13	2.2	0.13	2.2	0.13	2.2	0.13	2.2	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	NA	NA	NA	NA	NA	0.38	0.48	0.059	1	1.1	3	2.3	2.1	1.4	1.8	3.2	0.66	3.9	0.66	3.9	0.66	3.9	0.66	3.9	0.66	3.9	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	NA	NA	NA	NA	NA	<0.370	0.39	0.18	0.37	0.29	0.4	0.26	0.3	0.18	0.2	0.45	0.069	1.0	0.069	1.0	0.069	1.0	0.069	1.0	0.069	1.0	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	NA	NA	NA	NA	NA	<0.370	0.31	0.11	0.082	0.24	0.34	0.22	0.26	0.13	0.18	0.41	0.059	0.9	0.059	0.9	0.059	0.9	0.059	0.9	0.059	0.9	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	NA	<0.380	1	0.12	1.7	1	3.2	3	3.2	2	2.3	3.4	0.95	4.3	0.95	4.3	0.95	4.3	0.95	4.3	0.95	4.3	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.56	NA	NA	NA	NA	NA	<0.380	1.4	0.11	3.5	1.4	3.6	3.8	4.9	3.7	4.9	3.7	4.2	1.5	4.7	1.5	4.7	1.5	4.7	1.5	4.7	1.5	4.7
act	act	NA	NA	NA	NA	NA	NA	NA	NA	1.6	NA	NA	NA	NA	NA	<0.390	2.1	0.78	1.8	2.6	8.2	7.3	7.4	3.8	4.8	9.3	1.7	22.6	1.7	22.6	1.7	22.6	1.7	22.6	1.7	22.6	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.390	NA	NA	NA	NA	NA	<0.390	1.1	0.019	0.12	0.11	0.38	0.26	0.27	0.13	0.2	0.42	0.065	0.64	0.065	0.64	0.065	0.64	0.065	0.64	0.065	0.64	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	1.2	NA	NA	NA	NA	NA	<0.380	1.7	0.26	3.5	3.1	9.6	8.4	6.1	4.3	4.8	9.2	1.9	14.4	1.9	14.4	1.9	14.4	1.9	14.4	1.9	14.4	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.6	NA	NA	NA	NA	NA	<0.380	1.2	0.2	2.1	1.6	5.8	5	4.2	2.7	3.4	5.7	1.2	8	1.2	8	1.2	8	1.2	8	1.2	8	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.380	NA	NA	NA	NA	NA	<0.380	0.083	<0.0058	0.0063	<0.0058	0.013	0.0083	0.011	<0.0058	0.0065	0.021	<0.0058	0.017	<0.0058	0.017	<0.0058	0.017	<0.0058	0.017	<0.0058	0.017	<0.0058
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.470	NA	NA	NA	NA	NA	<0.470	0.11	<0.071	0.6	0.53	1.5	1.8	2.2	1.3	1.5	2.1	0.56	1.3	0.56	1.3	0.56	1.3	0.56	1.3	0.56	1.3	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.75	NA	NA	NA	NA	NA	<0.370	0.37	0.077	0.13	0.25	0.58	0.36	0.48	0.17	0.34	0.62	0.093	1.1	0.093	1.1	0.093	1.1	0.093	1.1	0.093	1.1	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.54	NA	NA	NA	NA	NA	<0.410	1.1	0.1	0.96	0.93	2.8	2.2	2.6	0.99	1.8	3.3	0.73	2.9	0.73	2.9	0.73	2.9	0.73	2.9	0.73	2.9	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.82	NA	NA	NA	NA	NA	<0.380	1.5	0.094	0.58	0.67	1.4	1.2	1.3	0.63	0.95	1.6	0.33	1.9	0.33	1.9	0.33	1.9	0.33	1.9	0.33	1.9	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	<0.440	NA	NA	NA	NA	NA	<0.440	0.51	0.045	0.19	0.27	0.77	0.56	0.63	0.29	0.44	0.79	0.15	1.2	0.15	1.2	0.15	1.2	0.15	1.2	0.15	1.2	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	0.74	NA	NA	NA	NA	NA	<0.380	0.43	0.1	0.24	0.35	1.1	0.87	0.97	0.51	0.68	1.1	0.26	1.6	0.26	1.6	0.26	1.6	0.26	1.6	0.26	1.6	
act	act	NA	NA	NA	NA	NA	NA	NA	NA	1.3	NA	NA	NA	NA	NA	<0.420	0.3	0.097	1	0.65	2.7	2	2.1	0.98	1.7	2.9	0.58	2.8	0.58</								

Depth (ft)	Sample Date	Figure Area	Figure ID	Soil Matrix										Soil Matrix										Soil Matrix										Soil Matrix									
				Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite												
0.5	05/12/2017	100,000	43	9,590	<1.3	11	86.2	0.67	0.9	19.5	36	16,700	400	2,500	2,100	550	5,800	5,800	5,800	5,800	3.1	NE	NE	3.2	1.7	3.4	9.9	5.9	7.2	<6.4	<6.4	<6.4											
0.5	05/12/2017	100,000	47	8,780	<1.2	10.2	81.1	0.64	0.88	17.1	33.3	15,200	800	26,000	22,000	5,400	9,800	9,800	9,800	9,800	3.1	NE	NE	3.2	1.7	9.9	5.9	7.2	<6.4	<6.5	<6.5												
0.5	05/11/2017	100,000	790	9,990	<1.2	9.4	74.7	0.69	0.62	15.2	25	15,000	44.3	360	15.1	<1.2	<0.620	13.6	<1.2	NA	26.1	87.9	<0.280	NA	<0.140	<0.140	8.3	<6.8	<6.8	<6.8													
0.5	05/11/2017	6,670	<1.2	7	48.2	<0.620	13	22.7	12,300	29.4	309	13.8	<1.2	<0.620	26.4	<1.2	NA	17.9	95.1	<0.240	NA	<0.120	<0.120	<0.120	8.1	<6.2	<6.2	<6.2	<6.2	<6.2													
0.5	05/11/2017	6,260	<1.4	8.2	61.8	<0.690	17.9	49.1	16,800	37.5	377	16.1	<1.4	<0.690	29.4	<1.4	NA	19.0	149	<0.270	NA	<0.140	<0.140	<0.140	11.8	<6.9	<6.9	<6.9	<6.9	<6.9													
0.5	05/11/2017	3,780	<1.1	3.2	17.9	<0.560	4.1	4.8	2,700	44.9	27.1	3.8	<1.1	<0.560	23	<1.1	NA	5.5	27.1	<0.220	NA	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7													
0.5	05/11/2017	3,910	<1.1	1.7	12.4	<0.530	6.1	4.3	5,230	3.2	195	6.8	<1.1	<0.530	51.7	<1.1	NA	5.0	15.7	<0.230	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5													
0.5	05/11/2017	12,900	<1.3	7.8	86.9	<0.670	23.9	23.3	22,500	16.2	514	27.1	<1.3	<0.670	18.4	<1.3	NA	28.8	93.6	<0.260	NA	<0.130	<0.130	<0.130	8.2	<6.7	<6.7	<6.7	<6.7	<6.7													
0.5	05/11/2017	3,750	<1.1	3.5	35.7	<0.550	0.69	17.1	24.5	13,900	17.3	306	12.9	<1.1	<0.550	84.6	<1.1	NA	10.8	217	<0.220	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5												
0.5	05/11/2017	2,970	<1.1	5.3	45.2	<0.540	0.79	20.2	39.5	15,100	14.5	268	17.2	<1.1	<0.540	66.1	<1.1	NA	10.9	183	0.64	<0.240	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8												
0.5	05/12/2017	6,000	<1.0	6.1	52.7	0.83	<0.510	21.6	33.3	22,800	33.9	277	17.6	<1.0	<0.510	79.2	1.1	NA	15.9	170	<0.240	NA	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7												
0.5	05/12/2017	4,700	<1.1	4.2	34.9	<0.540	11.6	19.4	5,850	18.2	93.3	11.5	<1.1	<0.540	37.5	<1.1	NA	10	113	<0.230	NA	<0.120	<0.120	<0.120	<5.9	<5.8	<5.8	<5.8	<5.8	<5.8													
0.5	05/11/2017	3,110	<1.1	4	49.9	<0.540	0.81	34	31.6	19,400	49.9	232	18.2	<1.1	<0.540	50.3	<1.1	NA	10.4	420	0.31	<0.120	<0.120	<0.120	<6.1	<6.0	<6.0	<6.0	<6.0	<6.0													
0.5	05/11/2017	1,150	<1.1	2.7	27.9	<0.530	16.8	17.6	10,500	10.5	110	10.4	<1.1	<0.530	20.1	<1.1	NA	5.5	67.2	<0.260	NA	<0.120	<0.120	<0.120	<6.0	<6.1	<6.1	<6.1	<6.1	<6.1													
0.5	05/12/2017	3,470	<1.1	6.9	55.7	<0.560	<0.560	37.8	40.3	18,600	43	216	19.2	<1.1	<0.560	55.4	<1.1	NA	13.8	488	<0.260	NA	<0.120	<0.120	<0.120	<6.2	<6.2	<6.2	<6.2	<6.2	<6.2												
0.5	05/11/2017	3,070	<0.980	2.2	23.7	<0.490	<0.490	6.2	9.8	3,820	48.6	118	4.2	<0.980	<0.490	26.6	<0.980	NA	5.4	35.1	0.45	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5													
0.5	05/12/2017	7,850	<1.1	8.7	77.3	0.98	<0.540	24.6	56.6	26,900	79.2	450	17.1	<1.1	<0.540	92.6	<1.1	NA	11.3	132	0.32	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7													
0.5	05/11/2017	3,540	1.8	6.3	114	<0.520	2.3	42.2	50.6	40,200	45.2	430	24.4	<1.0	<0.520	109	<1.0	NA	9.3	426	5.2	<0.110	<0.110	<0.110	<5.5	<5.6	<5.6	<5.6	<5.6	<5.6													
0.5	05/11/2017	2,020	<1.1	5.1	54.6	<0.560	0.73	31.4	27.8	28,000	90.8	289	7.2	<1.1	<0.560	69.9	<1.1	NA	7.7	100	2.4	<0.110	<0.110	<0.110	23.4	<5.7	<5.7	<5.7	<5.7	<5.7													
0.5	05/12/2017	1,930	<1.1	5.7	38.3	<0.570	<0.570	34.3	48.8	44,900	35.3	551	17.9	<1.1	<0.570	61.6	<1.1	NA	10.2	155	<0.240	NA	<0.120	<0.120	<0.120	<5.7	<5.8	<5.8	<5.8	<5.8	<5.8												
0.5	05/12/2017	3,510	<1.1	5.8	48.6	<0.540	0.6	20.8	36.7	24,900	47.5	312	14.4	<1.1	<0.540	95.9	<1.1	NA	10.1	336	0.29	<0.110	<0.110	<0.110	<5.3	<5.4	<5.4	<5.4	<5.4	<5.4													
0.5	05/11/2017	3,740	<1.1	2.6	27.6	<0.540	<0.540	7	6.1	2,890	39	36	4.6	<1.1	<0.540	26.1	<1.1	NA	5.8	18.7	<0.230	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<5.5	<5.5	<5.5												
0.5	05/11/2017	3,190	<1.1	7.1	46.1	<0.540	4.7	13.4	37.2	12,200	61.4	239	12.2	<1.1	<0.540	106	<1.1	NA	11.1	121	0.52	<0.110	<0.110	<0.110	<5.4	<5.5	<5.5	<5.5	<5.5	<5.5													
0.5	05/12/2017	5,730	<1.0	4.5	40.3	<0.510	<0.510	16	14.3	9,060	13.4	214	10.8	<1.0	<0.510	193	1.7	NA	13.0	95.9	<0.230	NA	<0.110	<0.110	<0.110	<5.6	<5.7	<5.7	<5.7	<5.7	<5.7												
0.5	05/12/2017	7,100	<1.1	7.5	46.8	<0.560	<0.560	18.2	20.6	11,900	34.3	230	11.4	<1.1	<0.560	182	2.1	NA	16.5	96.6	<0.220	NA	<0.110	<0.110	<0.110	<5.6	<5.7	<5.7	<5.7	<5.7	<5.7												
0.5	05/12/2017	2,260	<1.1	6.5	43.7	<0.530	0.66	35.1	61.3	29,700	37.7	304	27	<1.1	<0.530	85.4	<1.1	NA	11.4	95.2	0.31	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7	<5.7													
0.5	05/11/2017	2,210	<1.0	2.6	37.9	<0.500	<0.500	16.5	28.7	17,100	22.6	286	15.4	<1.0	<0.500	84.3	<1.0	NA	8.2	80.7	0.48	<0.110	<0.110	<0.110	<5.6	<5.5	<5.5	<5.5	<5.5	<5.5													
0.5	05/12/2017	3,180	<1.1	11.7	49.8	<0.530	1.8	33.5	152	20,900	214	270	24.2	2.3	<0.530	20.2	<1.1	NA	12.4	233	0.84	<0.110	<0.110	<0.110	<5.7	<5.8	<5.8	<5.8	<5.8	<5.8													
0.5	05/11/2017	2,810	<1.1	5	178	<0.540	0.67	35.8	57.9	48,100	80.8	413	20.7	<1.1	<0.540	68.7	<1.1	NA	11.5	459	2.6	<0.120	<0.120	<0.120	<5.9	<6.0	<6.0	<6.0	<6.0	<6.0													
0.5	05/12/2017	755	<1.0	3.3	28.1	1.1	<0.500	5.6	12.8	2,830	5.5	43.3	8.8	1.9	<0.500	47.9	<1.0	NA	10.3	28.1	<0.250	NA	<0.120	<0.120	<0.120	<5.9	<5.9	<5.9	<5.9	<5.9	<5.9												
0.5	05/11/2017	4,890	<1.1	6.3	51.1	<0.570	3.3	36	72.9	35,700	39.4	365	26.6	<1.1	<0.570	39.2	<1.1	NA	14.8	171	1.3	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8													
0.5	05/11/2017	4,760	<1.0	6.1	45.7	<0.500	1.3	23.4	54.1	25,000	33.2	352	20.5	<1.0	<0.500	54.7	<1.0	NA	13.5	79	1.0	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8													
0.5	05/10/2017	567	<1.1	<1.1	17.1	2.6	<0.530	2.5	6.5	1,540	3.1	22.3	4.1	<1.1	<0.530	29.1	1.4	NA	4.2	12.0	<0.240	NA	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8	<5.8	<5.8	<5.8												
0.5	05/10/2017	3,320	1.4	23.1	95.7	0.98	1.2	30	160	81,200	297	621	32.1	2.5	<0.690	56.6	<1.4	NA	19.6	260	9.2	<0.140	<0.140	<0.140	<7.0	<7.1	<7.1	<7.1	<7.1	<7.1													
0.5	05/10/2017	376	<1.1	2.2	23	0.67	<0.550	5.3	15.1	4,990	5.3	76.7	6.2	<1.1	<0.550	48.6	<1.1	NA	4.3	15.9	<0.230	NA	<0.110	<0.110	<0.110	<5.5	<5.6																

Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (3)	D-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Phenol	Pyrene	bis(2-Ethylhexyl)phthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (3)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (3)	Dibenz(a,h)anthracene	Fluoranthene				
act		NA	160	4,100	1,600	8,800	1.6	100	3,400	16	8,000	1,500	50	NE	27,000	2,500	550	NE	340	5,000	NE	25,000	16	16	210	16	NE	160	1,600	1.6	3,400			
act		NA	2,100	12,000	21,000	82,000	2.1	1,000	30,000	210	24,000	4,700	170	NE	100,000	23,000	1,400	NE	3,000	45,000	NE	100,000	210	210	210	210	NE	2,100	21,000	2.1	21,000			
		NA	NA	<0.400	NA	<0.400	NA	<0.400	NA	NA	<0.400	<0.400	NA	NA	<0.400	NA	<0.400	NA	0.88	0.081	0.15	0.32	0.44	0.27	0.39	0.16	0.23	0.68	0.094	0.75				
		NA	NA	<0.400	NA	<0.400	NA	<0.400	NA	NA	<0.400	<0.400	NA	NA	<0.400	NA	<0.400	NA	0.32	0.06	0.15	0.19	0.49	0.32	0.38	0.18	0.29	0.58	0.093	0.76				
		NA	NA	<0.410	NA	<0.410	NA	1.1	NA	NA	<0.410	<0.410	NA	NA	<0.410	NA	<0.410	NA	2.8	0.11	0.86	1.5	2.3	1.7	1.7	0.91	1.3	2.3	0.46	4.3				
		NA	NA	<0.380	NA	<0.380	NA	0.8	NA	NA	<0.380	<0.380	NA	NA	<0.380	NA	<0.380	NA	2	0.099	1.3	1.3	3.8	2.5	2.7	1.3	2	3.9	0.79	4.9				
		NA	NA	<0.440	NA	<0.440	NA	<0.440	NA	NA	<0.440	<0.440	NA	NA	<0.440	NA	<0.440	NA	1.2	<0.033	0.38	0.46	1.4	0.58	0.9	0.38	0.69	1.8	0.28	2				
		NA	NA	<0.390	NA	<0.390	NA	0.5	NA	NA	<0.390	<0.390	NA	NA	<0.390	NA	<0.390	NA	1.2	0.056	0.36	0.6	1.1	0.69	1.1	0.38	0.73	1.5	0.22	1.6				
		NA	NA	<0.380	NA	<0.380	NA	0.52	NA	NA	<0.380	<0.380	NA	NA	<0.380	NA	<0.380	NA	1.6	0.076	0.31	0.35	0.73	0.52	0.65	0.31	0.45	0.88	0.18	1				
		NA	NA	<0.390	NA	<0.390	NA	0.78	NA	NA	<0.390	<0.390	NA	NA	0.91	NA	0.67	NA	7.9	0.12	1.9	1.2	2.6	2.9	3.6	2.4	1.9	5.1	1.2	2.9				
		NA	NA	<0.400	NA	<0.400	NA	1.3	NA	NA	<0.400	<0.400	NA	NA	<0.400	NA	<0.400	NA	6.2	0.27	7.3	3.4	12.5	10	8.3	5.6	6.3	13.3	3	11.9				
		NA	NA	<0.420	NA	<0.420	NA	0.79	NA	NA	<0.420	<0.420	NA	NA	<0.420	NA	<0.420	NA	1.2	0.12	0.94	1.6	3.9	2.2	2.4	1.1	1.9	4	0.63	8				
		NA	NA	<0.420	NA	<0.420	NA	<0.420	NA	NA	<0.420	<0.420	NA	NA	<0.420	NA	<0.420	NA	0.2	0.13	0.065	0.26	1.3	1.4	1.2	0.76	0.86	1.3	0.54	1				
		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
		2.91	2.43	<0.417	4.07	<0.417	1.08	<0.417	5.77	2.53	<0.417	<0.417	1.54	2.76	<0.417	5.42	<0.417	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
		4.44	6.06	<0.392	<0.392	<0.392	<0.392	<0.392	<0.392	4.72	<0.392	<0.392	60.3	<0.392	<0.392	5.16	<0.392	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	5.94	<0.67	<0.67	<0.67	<0.67	4.48	<0.67	4.63	<0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		1.48	0.565	<0.4	0.98	<0.4	<0.4	<0.4	1.61	0.975	<0.4	<0.4	<0.4	0.427	<0.4	2.71	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		1.55	0.989	<0.358	1.58	<0.358	0.454	<0.358	0.95	1.33	<0.358	<0.358	1.92	<0.358	<0.358	1.02	<0.358	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		6.52	4.11	<0.384	6.56	<0.384	<0.384	<0.384	9.27	5.74	<0.384	<0.384	10.6	7.24	<0.384	8.74	<0.384	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<0.38	<0.38	<0.38	0.43	<0.38	<0.38	<0.38	0.845	<0.38	<0.38	<0.38	0.746	0.738	<0.38	0.775	<0.38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		3.14	1.11	<0.405	2.4	<0.405	0.691	<0.405	4.02	2.24	<0.405	<0.405	1.08	1.91	<0.405	4.33	<0.405	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<0.355	<0.355	<0.355	2.25	<0.355	1.02	<0.355	2.88	2.44	<0.355	<0.355	3.24	1.36	<0.355	4.05	<0.355	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<1.2	<1.2	<1.2	2.13	<1.2	<0.618	<1.2	2.61	<1.2	<1.2	<1.2	1.21	1.75	<1.2	2.17	<1.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<0.367	<0.367	<0.367	<0.367	<0.367	<0.189	<0.367	<0.367	<0.367	<0.367	<0.367	0.378	<0.367	<0.367	<0.367	<0.367	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<0.373	<0.373	<0.373	<0.373	<0.373	<0.192	<0.373	<0.373	<0.373	<0.373	<0.373	<0.373	<0.373	<0.373	<0.373	<0.373	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		<0.367	<0.367	<0.367	<0.367	<0.367	<0.189	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		0.578	0.394	<0.389	0.958	<0.389	<0.200	<0.389	1	0.438	<0.389	<0.389	<0.389	0.663	<0.389	1.15	<0.389	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		0.576	<0.342	<0.342	0.667	<0.342	<0.176	<0.342	0.635	0.406	<0.342	<0.342	<0.342	0.359	<0.342	0.772	<0.342	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		8.48	4.07	<2.0	6.16	<2.0	1.18	<2.0	9.69	6.06	<2.0	<2.0	2.6	3.53	<2.0	14.7	<2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		7.02	2.74	<0.370	5.59	<0.370	1.75	0.45	7.42	5.42	<0.370	<0.370	6.69	3.36	<0.370	10.3	<0.370	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Depth (ft)	Sample Date	Figure Area	Figure ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite		
				100,000	43	95	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	550	550	66,000	1.1	66,000	550	32,000	3.1	NE	NE	3.2	1.7	3.4	NE	100,000	11,000		
				100,000	47	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,400	5,400	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.7	9.9	NE	100,000	100,000		
				100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	100,000	20	100,000	9,900	100,000	3.1	NE	NE	560	53	570	NE	100,000	100,000		
				991	<1.1	4.8	59.4	0.63	<0.550	17.9	35.7	25,400	16.3	182	18.6	1.3	<0.550	48.8	<1.1	NA	13.7	20.8	<0.230	NA	NA	<0.120	<0.120	<0.120	<6.1	<6.1	<6.1		
				1,180	<1.2	4.1	61.4	0.63	<0.550	19.5	40.6	19,000	14.9	195	18.4	<1.2	<0.580	56.9	<1.2	NA	10.8	20	<0.250	NA	NA	<0.120	<0.120	<0.120	<6.1	<6.1	<6.1		
				1,670	<1.2	4.7	43.3	1.4	<0.620	10.1	19.6	4,710	21.3	64.9	13.1	2.4	<0.620	43.8	<1.2	NA	13.4	11.3	<0.240	NA	NA	<0.120	<0.120	<0.120	7.8	<6.2	<6.2		
				1,550	<1.1	6.6	41.4	1.4	<0.550	8.5	30.2	6,910	21.6	46.7	11	2.3	<0.550	38.8	<1.1	NA	12.5	32.1	<0.240	NA	NA	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8		
				1,690	<1.2	3	94.5	<0.590	<0.590	3.8	25.1	1,260	73.4	6.5	2.2	<1.2	<0.590	10.1	<1.2	NA	5.6	3.5	<0.260	NA	NA	<0.130	<0.130	<0.130	21.3	<6.7	<6.7		
				861	<1.1	8.8	47.7	<0.540	<0.540	11.4	165	97,300	26.2	588	66.2	<1.1	<0.540	17.4	<1.1	NA	16.1	35.1	<0.230	NA	NA	<0.120	<0.120	<0.120	<6.0	<6.0	<6.0		
				1,520	<1.1	4.6	51.2	1.2	<0.530	7.4	26.5	4,770	29.7	64.1	11.1	1.8	<0.530	48.1	<1.1	NA	12.6	58.2	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.6	<5.7	<5.7		
				4,070	<1.1	17.8	124	0.97	1.9	49.1	81.1	15,600	87.1	144	32.4	1.4	<0.570	40.9	<1.1	NA	16.9	41.6	2.3	NA	NA	<0.120	<0.120	<0.120	<5.8	<5.9	<5.9		
				2,860	<1.2	7.9	66.1	0.8	0.97	16.4	61.7	10,200	68.9	165	14.3	1.5	<0.610	37.9	<1.2	NA	15.9	71.9	1.4	NA	NA	<0.120	<0.120	<0.120	<6.1	<6.1	<6.1		
				2,590	<1.2	5.5	51.7	0.64	<0.620	15.2	37.6	12,900	58.3	179	29.9	<1.2	<0.620	42.7	<1.2	NA	13	102	<0.240	NA	NA	<0.130	<0.130	<0.130	<6.4	<6.4	<6.4		
				8,580	<1.2	7.6	50.7	<0.610	<0.610	14.1	18.4	14,200	17.8	367	15.5	<1.2	<0.610	32.3	<1.2	NA	25.5	54.5	<0.240	NA	NA	<0.130	<0.130	<0.130	8	<6.4	<6.4		
				6,820	0.68	21.9	247	NA	1.1	67	44	35,900	3,950	425	15.4	0.69	<0.55	31.3	0.17	3.1	20	1,270	<0.4	371	<1.2	<0.0429	<0.0429	<0.0429	<6.1	<6.1	<6.1		
				4,610	<0.49	8.6	48.9	NA	0.19	7.8	35.5	15,900	68.6	355	13.9	0.64	<0.49	56.9	0.16	2.3	14.9	51.8	0.58	248	<1.5	<0.0443	<0.0443	<0.0443	<6.3	<6.3	<6.3		
				2,990	1.6	40.4	313	NA	0.92	83.2	7.5	137,000	6,580	726	8.6	1.5	<0.54	67.1	0.14	6	10	199	1	3,370	<1.1	<0.0416	<0.0416	<0.0416	79.3	55.5	<5.9		
				4,600	<0.6	6.3	67.4	NA	0.097	12.5	25.3	11,500	209	305	13.4	1.3	<0.6	52.5	<0.12	2.3	12.6	138	<0.46	369	<1.8	<0.0494	<0.0494	<0.0494	7.5	<7.1	<7.1		
				NA	NA	NA	NA	NA	NA	NA	NA	NA	3,820	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
				NA	NA	NA	NA	NA	NA	NA	NA	NA	1,140	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	NA	NA	NA	2,490	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				4,410	1.2	6.8	60.6	NA	0.5	12	36.7	14,700	248	287	12.3	0.89	<0.44	66.2	0.14	7.5	13.7	151	0.46	449	<0.75	<0.0389	<0.0389	<0.0389	7.8	<5.6	<5.6		
				9,570	2.2	14.5	175	NA	1.9	23.4	51.6	57,300	565	483	23.6	1.1	<0.55	125	0.41	432	31.3	574	<0.4	56.4	NA	<0.0424	<0.0424	<0.0424	<6.1	<6.1	<6.1		
				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				3,530	0.52	7.4	27.3	NA	0.37	8.3	23.2	9,530	30.4	294	11.3	1.2	<0.49	111	0.16	4.1	10.4	97.2	<0.35	245	<0.87	<0.038	<0.038	<5.4	<5.4	<5.4			
				5,280	1.2	11.4	61.6	NA	0.44	12	43.8	23,000	66.9	220	12.1	1.5	<0.43	46.4	0.14	4.4	18.7	65.3	<0.42	1,060	<1	<0.0408	<0.0408	<0.0408	<5.8	8.9	<5.8		
				10,100	<0.54	8.3	61.4	NA	0.27	15	21	17,200	31.2	326	14.3	1.1	<0.54	33.3	0.25	2.3	26	72.3	<0.37	254	<0.77	<0.0403	<0.0403	<0.0403	<5.8	<5.8	<5.8		
				3,380	<0.6	8.8	52.8	NA	0.23	9.8	21.8	10,300	119	549	16	0.67	<0.6	104	0.18	3.1	10.7	80	<0.4	216	<1.1	<0.0429	<0.0429	<0.0429	11.5	<6.1	<6.1		
				6,450	0.84	11.7	69.2	NA	0.78	16	47.1	15,500	145	285	21.8	0.73	<0.36	63	0.19	9.5	19.1	156	<0.36	316	<0.97	<0.377	1.27	<0.377	<5.4	<5.4	<5.4		
				5,290	0.71	7.6	66	NA	0.58	15.8	35.3	15,800	117	295	14	0.74	<0.49	49.2	0.13	7.8	15.7	160	<0.33	321	<1	<0.377	0.972	<0.377	11.8	38.4	<5.4		
				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	338	18.1	0.98	<0.49	27.3	0.22	4.1	22.1	117	0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				8,930	<0.49	8	83.5	NA	0.6	20	25.5	17,800	47.5	388	16.1	0.98	<0.49	27.3	0.22	4.1	22.1	117	0.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				3,570	<2.2	9.5	116	NA	<2.2	7.9	44.5	16,800	40	178	15.3	<2.2	<2.2	107	<2.2	3.3	12.3	59	1.6	392	<1.8	<0.604	<0.604	<0.604	<5.8	<6.1	<6.1		
				NA	NA	NA	NA	NA	NA	NA	NA	NA	141	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				7,220	<2.1	8.9	59.8	NA	<2.1	14.1	23.1	14,300	141	266	13.8	<2.1	<2.1	35.4	<2.1	2.8	20.4	188	<0.230	87.6	<0.950	<0.039	<0.039	<0.039	<5.5	<5.6	<5.6		
				11,500	<2.1	9.6	65.3	NA	<2.1	22	22.7	17,400	35.1	460	20.5	<2.1	<2.1	17.3	<2.1	<2.1	26	76.1	<0.240	15.1	<0.840	<0.113	<0.113	<0.113	2.6	NA	NA		
				6,640	<2.1	11.4	40.5	NA	<2.1	12.2	18.4	14,700	20	325	15.3	<2.1	<2.1	44.8	<2.1	<2.1	20.7	75.7	<0.220	21	<0.760	<0.112	<0.112	<0.112	2.2	NA	NA		
				7,520	<2.2	8.4	64.1	NA	<2.2	13.9	24.7	12,500	57.4	366	14.2	<2.2	<2.2	32.3	<2.2	3	17.5	97.5	0.32	90.7	<0.910	<0.117	<0.117	<0.117	1.3	NA	NA		
				1,980	<2.0	4.7	12.7	NA	<2.0	4.9	11.3	7,870	8.3	287	6.7	<2.0	<2.0	93.1	<2.0	<2.0	6.1	1,670	<0.200	76.4	<0.930	<0.104	<0.104	<0.104	<1.0	NA			

Date	Figure Area	Figure ID	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Toluene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline
Contact			6.1	220	180	28,000	910	100,000	51	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	150	180	NE	1,800	3,010	4,500	38
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,300	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	16,000	3,010	41,000	110
2014			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2014			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2014			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2014			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2016			<0.014	<0.071	<0.014	<0.280	<0.014	<0.140	<0.068	<0.014	<0.066	<0.066	<0.029	<0.066	<0.014	<0.014	<0.014	<0.014	<0.028	<0.014	<0.0071	<0.0071	<0.014	<0.014	<0.014	BRL	<0.410	NA	<0.410	<0.810
2016			<0.071	<0.066	<0.066	<0.140	<0.066	<0.130	<0.068	<0.014	<0.066	<0.066	<0.026	<0.066	<0.014	<0.0071	<0.0071	<0.0071	<0.014	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	BRL	<0.380	NA	<0.380	<0.770
2016			<0.068	<0.068	<0.068	<0.140	<0.068	<0.140	<0.068	<0.014	<0.068	<0.068	<0.027	<0.068	<0.0068	<0.0068	<0.0068	<0.0068	<0.014	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	<0.0068	BRL	<0.380	NA	<0.380	<0.770
2016			<0.053	<0.053	<0.053	<0.110	<0.053	<0.110	<0.053	<0.011	<0.053	<0.053	<0.021	<0.053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	BRL	<0.390	NA	<0.390	<0.770
2016			<0.065	<0.065	<0.065	<0.130	<0.065	<0.130	<0.065	<0.013	<0.065	<0.065	<0.026	<0.065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	BRL	<0.360	NA	<0.360	<0.750
2016			<0.070	<0.070	<0.070	<0.140	<0.070	<0.140	<0.070	<0.014	<0.070	<0.070	<0.028	<0.070	<0.0070	<0.0070	<0.0070	<0.0070	<0.014	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	<0.0070	BRL	<0.380	NA	<0.380	<0.760
2016			<0.052	<0.052	<0.052	<0.100	<0.052	<0.100	<0.052	<0.010	<0.052	<0.052	<0.021	<0.052	<0.0052	<0.0052	<0.0052	<0.0052	<0.010	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	BRL	<0.350	NA	<0.350	<0.690
2016			<0.056	<0.056	<0.056	<0.110	<0.056	<0.110	<0.056	<0.011	<0.056	<0.056	<0.023	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	BRL	<0.340	NA	<0.340	<0.690
2016			<0.059	<0.059	<0.059	<0.120	<0.059	<0.120	<0.059	<0.012	<0.059	<0.059	<0.024	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	BRL	<0.360	NA	<0.360	<0.730
2016			<0.055	<0.055	<0.055	<0.110	<0.055	<0.110	<0.055	<0.011	<0.055	<0.055	<0.022	<0.055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	BRL	<0.350	NA	<0.350	<0.700
2016			<0.056	<0.056	<0.056	<0.110	<0.056	<0.110	<0.056	<0.011	<0.056	<0.056	<0.023	<0.056	<0.0056	<0.0056	<0.0056	<0.0056	<0.011	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	BRL	<0.360	NA	<0.360	<0.730
2016			<0.062	<0.062	<0.062	<0.120	<0.062	<0.120	<0.062	<0.012	<0.062	<0.062	<0.025	<0.062	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	BRL	<0.400	NA	<0.400	<0.790
2016			<0.093	<0.093	<0.093	<0.190	<0.093	<0.190	<0.093	<0.019	<0.093	<0.093	<0.037	<0.093	<0.0093	<0.0093	<0.0093	<0.0093	<0.019	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	<0.0093	BRL	<0.420	NA	<0.420	<0.840
2016			<0.061	<0.061	<0.061	<0.120	<0.061	<0.120	<0.061	<0.012	<0.061	<0.061	<0.025	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	BRL	<0.410	NA	<0.410	<0.810
2016			<0.066	<0.066	<0.066	<0.130	<0.066	<0.130	<0.066	<0.013	<0.066	<0.066	<0.026	<0.066	<0.0066	<0.0066	<0.0066	<0.0066	<0.013	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	<0.0066	BRL	<0.380	NA	<0.380	<0.760
2016			<0.087	<0.087	<0.087	<0.170	<0.087	<0.170	<0.087	<0.017	<0.087	<0.087	<0.035	<0.087	<0.0087	<0.0087	<0.0087	<0.0087	<0.017	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	<0.0087	BRL	<0.420	NA	<0.420	<0.850
2016			<0.082	<0.082	<0.082	<0.160	<0.082	<0.160	<0.082	<0.016	<0.082	<0.082	<0.033	<0.082	<0.0082	<0.0082	<0.0082	<0.0082	<0.016	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	BRL	<0.400	NA	<0.400	<0.790
2017			<0.096	<0.096	<0.096	<0.190	<0.096	<0.190	<0.096	<0.019	<0.096	<0.096	<0.039	<0.096	<0.0096	<0.0096	<0.0096	<0.0096	<0.019	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	<0.0096	BRL	<0.460	NA	<0.460	<0.920
2017			<0.098	<0.098	<0.098	<0.200	<0.098	<0.200	<0.098	<0.020	<0.098	<0.098	<0.039	<0.098	<0.0098	<0.0098	<0.0098	<0.0098	<0.020	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	<0.0098	BRL	<0.370	NA	<0.370	<0.730
2017			<0.014	<0.014	<0.014	<0.270	<0.014	<0.270	<0.014	<0.027	<0.014	<0.014	<0.054	<0.014	<0.014	<0.014	<0.014	<0.014	<0.027	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	BRL	<0.410	NA	<0.410	<0.820
2017			<0.042	<0.042	<0.042	<0.083	<0.042	<0.083	<0.042	<0.083	<0.042	<0.042	<0.017	<0.042	<0.0042	<0.0042	<0.0042	<0.0042	<0.083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	BRL	<0.360	NA	<0.360	<0.730
2017			<0.060	<0.060	<0.060	<0.120	<0.060	<0.120	<0.060	<0.012	<0.060	<0.060	<0.024	<0.060	<0.0060	<0.0060	<0.0060	<0.0060	<0.012	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	BRL	<0.380	NA	<0.380	<0.760
2017			<0.063	<0.063	<0.063	<0.130	<0.063	<0.130	<0.063	<0.013	<0.063	<0.063	<0.025	<0.063	<0.0063	<0.0063	<0.0063	<0.0063	<0.013	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	BRL	<0.380	NA	<0.380	<0.760
2017			<0.063	<0.063	<0.063	<0.130	<0.063	<0.130	<0.063	<0.013	<0.063	<0.063	<0.025	<0.063	<0.0063	<0.0063	<0.0063	<0.0063	<0.013	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	<0.0063	BRL	<0.400	NA	<0.400	<0.800
2017			<0.059	<0.059	<0.059	<0.120	<0.059	<0.120	<0.059	<0.012	<0.059	<0.059	<0.023	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	BRL	<0.410	NA	<0.410	<0.820
2017			<0.059	<0.059	<0.059	<0.120	<0.059	<0.120	<0.059	<0.012	<0.059	<0.059	<0.023	<0.059	<0.0059	<0.0059	<0.0059	<0.0059	<0.012	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	<0.0059	BRL	<0.410	NA	<0.410	<0.820
2017			<0.061	<0.061	<0.061	<0.120	<0.061	<0.120	<0.061	<0.012	<0.061	<0.061	<0.024	<0.061	<0.0061	<0.0061	<0.0061	<0.0061	<0.012	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	BRL	<0.370	NA	<0.370	<0.740
2017			<0.06																											

Depth (ft)	Sample Date	Figure Area	Figure ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite
1	10/31/2014			100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	550	5,900	66,000	1.1	66,000	550	32,000	3.1	NE	NE	3.2	1.7	3.4	NE	100,000	11,000
1	10/31/2014			100,000	47	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,400	5,400	100,000	1.2	100,000	5,800	100,000	3.1	NE	NE	9.5	9.9	9.9	NE	100,000	100,000
1	10/31/2014			100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	100,000	20	100,000	9,900	100,000	3.1	NE	NE	560	53	570	NE	100,000	100,000
0.5	07/11/2016			4,600	<1.1	14	53.4	<0.560	1.3	10.4	35.8	6,970	154	400	8.4	<1.1	<0.560	193	<1.1	NA	11.8	375	<0.260	NA	NA	<0.120	<0.120	<0.120	8	<6.2	<6.2
0.5	07/11/2016			10,800	<1.1	18	83.7	0.66	1.2	19.2	37.5	16,900	275	352	17.3	<1.1	<0.540	16.3	1.2	NA	25.7	482	<0.230	NA	NA	<0.120	<0.120	<0.120	6.5	<5.8	<5.8
0.5	07/11/2016			8,570	<1.1	6.9	177	0.72	1.3	54.5	21.6	20,100	1,650	353	11	<1.1	<0.570	27.6	1.1	NA	20.4	1,310	<0.220	NA	NA	<0.120	<0.120	<0.120	7.8	<5.9	<5.9
0.5	07/11/2016			9,310	<1.0	12	132	0.56	1.8	30.1	34.5	14,500	970	433	13.6	<1.0	<0.500	17	<1.0	NA	21.5	1,120	<0.240	NA	NA	<0.120	<0.120	<0.120	7.8	<5.8	<5.8
0.5	07/11/2016			10,800	<0.980	9.5	77.9	0.5	<0.490	15	23	14,500	43.7	407	15.2	<0.980	<0.490	29.9	1.1	NA	23.9	127	<0.220	NA	NA	<0.110	<0.110	<0.110	6	18.2	<5.7
0.5	07/11/2016			6,630	<0.920	6.4	37.4	<0.460	0.54	9.5	14.7	10,800	19.8	298	12	<0.920	<0.460	44	<0.920	NA	16.5	420	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.4	<5.4	<5.4
0.5	07/11/2016			4,600	<1.0	8	37.8	<0.500	1	22.9	18.2	8,550	78.6	202	10.1	<1.0	<0.500	26.1	<1.0	NA	12.1	2,470	<0.230	NA	NA	<0.120	<0.120	<0.120	7.9	<5.7	<5.7
0.5	07/11/2016			4,960	<0.920	5.1	29.7	<0.460	<0.460	7.4	14.3	8,220	30.3	209	9.2	<0.920	<0.460	135	<0.920	NA	9.5	603	<0.200	NA	NA	<0.110	<0.110	<0.110	<5.3	<5.3	<5.3
0.5	07/11/2016			11,500	<0.950	2.9	25.7	<0.470	<0.470	3.9	14.3	3,790	10.8	262	7.1	<0.950	<0.470	160	<0.950	NA	4.1	95.8	<0.220	NA	NA	<0.100	<0.100	<0.100	10.9	<5.2	<5.2
0.5	07/11/2016			3,740	<1.1	15.9	37	<0.530	<0.530	6.9	18.4	8,650	54.6	260	8.3	<1.1	<0.530	96.5	<1.1	NA	10	94	<0.230	NA	NA	<0.110	<0.110	<0.110	7.5	<5.5	<5.5
0.5	07/11/2016			2,740	<0.970	12.6	53.2	<0.480	0.5	6.7	51.6	6,590	214	207	26.7	<0.970	<0.480	104	<0.970	NA	8.8	403	0.27	NA	NA	<0.110	<0.110	<0.110	6.7	<5.3	<5.3
0.5	07/11/2016			4,090	<1.0	6.7	36.4	<0.510	<0.510	8.8	18	10,600	57.3	265	10.5	<1.0	<0.510	54.1	<1.0	NA	12.5	224	<0.210	NA	NA	<0.110	<0.110	<0.110	6	<5.5	<5.5
0.5	07/11/2016			5,950	<1.0	7.9	51.1	<0.520	0.88	14.1	27.5	13,500	77.1	307	13.2	<1.0	<0.520	29.8	1.1	NA	16	3,940	<0.250	NA	NA	<0.120	<0.120	<0.120	<6.0	14.3	<6.0
0.5	07/11/2016			12,800	1.4	77.4	383	2.4	2.6	32.6	96	23,300	472	264	23.3	1.7	<0.640	87.8	2.7	NA	33.1	3,040	<0.240	NA	NA	<0.130	<0.130	<0.130	<6.4	6.5	<6.4
0.5	07/11/2016			7,640	2.2	35.5	366	0.93	2.7	29.1	87.8	18,700	349	345	17.8	<1.2	<0.580	38.3	1.3	NA	20.9	2,230	0.28	NA	NA	<0.120	<0.120	<0.120	<6.1	15.9	<6.1
0.5	07/11/2016			9,120	<1.1	31.4	99.4	0.77	1.9	16.8	30.9	17,200	109	371	16.4	<1.1	<0.560	25.6	1.3	NA	23.3	1,190	0.28	NA	NA	<0.110	<0.110	<0.110	8.1	7.1	<5.7
0.5	07/11/2016			5,410	5.1	234	90.4	<0.540	3.4	50.2	112	100,000	153	551	40.1	<1.1	<0.540	22	1.5	NA	37.6	1,640	<0.260	NA	NA	<0.130	<0.130	<0.130	8.2	32.2	<6.5
0.5	07/11/2016			4,600	1.1	9.2	92.9	0.73	1.9	14.7	105	12,500	149	220	15.1	<1.1	<0.540	70.5	<1.1	NA	14.8	2,640	<0.250	NA	NA	<0.120	0.16	<0.120	10.4	14.3	<6.0
0.5	05/11/2017			1,500	<1.3	2.8	30.6	<0.650	<0.650	8.4	19.2	6,220	30.7	107	6.5	<1.3	<0.650	28.6	<1.3	NA	6.5	87.9	<0.280	NA	NA	<0.140	<0.140	<0.140	<7.0	<7.0	<7.0
0.5	05/11/2017			2,940	<1.1	9.5	52.2	0.74	0.89	8.8	43.1	29,900	77.3	355	12.4	1.7	<0.550	34.8	<1.1	NA	18.7	85.8	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.5	<5.6	<5.6
0.5	05/11/2017			3,220	<1.2	2.1	35.4	<0.590	<0.590	21.8	30.9	12,000	31.1	224	13.1	<1.2	<0.590	28.6	<1.2	NA	7.4	147	<0.260	NA	NA	<0.120	<0.120	<0.120	<6.2	<6.3	<6.3
0.5	05/09/2017			587	<0.960	2.4	12.7	<0.480	<0.480	3.2	11.9	3,320	2.4	308	6.9	<0.960	<0.480	184	<0.960	NA	3.6	10.7	<0.210	NA	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5
0.5	05/09/2017			772	<1.1	5.1	21.6	<0.570	<0.570	14.7	50.7	21,800	19.2	434	8.9	<1.1	<0.570	90.2	<1.1	NA	9.2	27.8	<0.230	NA	NA	<0.120	<0.120	<0.120	<5.7	<5.8	<5.8
0.5	05/09/2017			883	<1.1	4.2	25.3	<0.550	<0.550	9.8	32	19,400	21.3	235	11.8	<1.1	<0.550	80	<1.1	NA	4.6	35.6	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.7	<5.8	<5.8
0.5	05/09/2017			1,670	<1.1	6.5	38	<0.530	<0.530	20.1	46.2	24,500	23.2	236	14.8	<1.1	<0.530	41.1	<1.1	NA	8.5	41.6	<0.250	NA	NA	<0.120	<0.120	<0.120	<6.0	<6.1	<6.1
0.5	05/16/2017			1,170	<1.1	6	41.3	<0.560	0.74	22.1	64.9	34,800	66.5	253	16.9	<1.1	<0.560	22	<1.1	NA	5.3	69	<0.260	NA	NA	<0.120	<0.120	<0.120	<6.1	<6.2	<6.2
0.5	05/16/2017			1,470	<1.1	6	41.3	<0.560	0.74	22.1	64.9	34,800	66.5	253	16.9	<1.1	<0.560	22	<1.1	NA	5.3	69	<0.260	NA	NA	<0.120	<0.120	<0.120	<6.1	<6.2	<6.2
0.5	05/10/2017			3,240	<0.970	3.6	11.1	<0.490	<0.490	7.1	15.2	8,940	7.5	177	11.7	<0.970	<0.490	46.5	<0.970	NA	10.1	35.1	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.6	<5.6	<5.6
0.5	05/09/2017			1,360	<1.1	6.7	28.6	<0.560	<0.560	19.3	48.4	46,700	35.1	474	17.4	<1.1	<0.560	91.8	<1.1	NA	8.8	61.7	<0.240	NA	NA	<0.120	<0.120	<0.120	6.2	<5.9	<5.9
0.5	05/10/2017			2,530	<1.2	30.3	97.8	<0.610	1.2	24.5	17.8	8,940	133	228	15.1	3.4	<0.610	184	<1.2	NA	10.7	86.6	36	NA	NA	<0.120	<0.120	<0.120	8.7	<6.3	<6.3
0.5	05/09/2017			891	<1.1	6.3	25.8	<0.560	<0.560	18	35.9	17,700	28	187	9.8	<1.1	<0.560	17.8	<1.1	NA	5.8	42.7	<0.250	NA	NA	<0.120	<0.120	<0.120	<6.0	<6.0	<6.0
0.5	05/09/2017			3,610	<1.1	19.3	256	<0.560	<0.560	45.4	103	148,000	297	1,020	17.1	<1.1	<0.560	32.4	<1.1	NA	10.7	1,060	<0.250	NA	NA	<0.120	<0.120	<0.120	6.2	<6.0	<6.0
0.5	05/10/2017			2,420	<1.0	4.3	19.3	<0.520	<0.520	12.2	45.7	19,200	77.4	346	11.2	<1.0	<0.520	82.7	<1.0	NA	9.7	36	<0.200	NA	NA	<0.110	<0.110	<0.110	<5.2	<5.3	<5.3
0.5	05/11/2017			2,940	<1.2	2.8																									

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2.4-Trimethylbenzene	1.3.5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline									
Contact			6.3	220	180	28,000	910	100,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	150	180	NE	16,000	3,010	4,500	38	5								
Contact			35	220	180	28,000	910	100,000	1,900	740	480	270	3,300	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	94,000	9,740	87,000	9,000	100								
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
2017			<0.0053	<0.0053	<0.0053	<0.026	<0.0053	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.021	0.014	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.400	<0.400	<0.810	<0.810	<0.810	<0.810	<0.810						
2017			<0.0055	<0.0055	<0.0055	<0.027	<0.0055	<0.110	<0.0055	<0.011	<0.0055	<0.0055	<0.022	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.400	<0.400	<0.810	<0.810	<0.810	<0.810	<0.810	<0.810						
2017			<0.0062	<0.0062	<0.0062	<0.031	<0.0062	<0.120	<0.0062	<0.012	<0.0062	<0.0062	<0.025	<0.0062	<0.0062	<0.0062	<0.0062	<0.012	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.410	<0.410	<0.830	<0.830	<0.830	<0.830	<0.830	<0.830						
2017			<0.0089	<0.0089	<0.0089	<0.044	<0.0089	<0.180	<0.0089	<0.018	<0.0089	<0.0089	<0.036	<0.0089	<0.0089	<0.0089	<0.0089	<0.018	<0.0089	<0.0089	<0.0089	<0.0089	<0.0089	<0.0089	<0.0089	<0.550	<0.550	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1						
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2017			NA	NA	NA																																		

Date	Figure Area	Figure ID	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Toluene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline										
Contact	2010	28,000	910	28,000	910	85,000	17	740	81	270	490	53	870	110	820	5,7	260	110	140	140	140	150	180	180	NE	1,800	3,350	4,500	NE	38	5								
Contact	2010	28,000	910	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	19	260	110	140	140	140	150	180	180	NE	16,000	3,010	41,000	NE	110	45								
Contact	2010	28,000	910	28,000	910	100,000	1,800	740	480	270	3,500	3,100	870	170	820	95	260	110	140	140	140	150	180	180	NE	34,000	6,740	87,000	NE	6,000	100								
	2010		<0.057	<0.057	<0.057	<0.113	<0.057	<0.0113	<0.0057	<0.0057	<0.0226	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0113	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.38	<0.38	<0.38	<0.761	<0.761									
	2010		<0.071	<0.071	<0.071	<0.142	<0.071	<0.0142	<0.0071	<0.0071	<0.0284	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0142	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.0071	<0.376	<0.376	<0.376	<0.753	<0.753									
	2010		<0.055	<0.055	<0.055	<0.11	<0.055	<0.011	<0.0055	<0.0055	<0.022	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.4	<0.4	<0.4	<0.801	<0.801									
	2010		<0.065	<0.065	<0.065	<0.13	<0.065	<0.013	<0.0065	<0.0065	<0.026	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.013	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.359	<0.359	<0.359	<0.718	<0.718									
	2010		<0.062	<0.062	<0.062	<0.123	<0.062	<0.0123	<0.0062	<0.0062	<0.0246	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0123	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.362	<0.362	<0.362	<0.723	<0.723									
	2010		<0.078	<0.078	<0.078	<0.216	<0.078	<0.0216	<0.0108	<0.0108	<0.0432	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0216	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.0108	<0.367	<0.367	<0.367	<0.733	<0.733									
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2011		NA	NA	NA	NA																																	

Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (1)	D-n-butylphthalate	Dibenzofuran	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Pirene	1-Methylphthalate	2-Methylphthalate	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (1)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (2)	Dibenz(a,h)anthracene	Fluoranthene	
act	act	NA	160	4,100	1,600	8,800	100	3,400	16	8,000	1,500	53	NE	27,000	340	3,000	5,000	NE	25,000	16	16	210	16	160	1,600	1.6	3,400	
act	act	NA	2,100	12,000	21,000	82,000	1,000	30,000	210	24,000	4,700	170	NE	100,000	NE	3,000	45,000	NE	100,000	210	21	210	210	2,100	21,000	21	30,000	
		NA	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	0.425	0.397	<0.38	0.407	0.407	0.108	0.354	0.609	2.31	2.08	2.4	1.3	2.09	2.88	0.696	4.58	
		3.04	3.67	0.549	6.39	0.648	19.1	0.751	2.9	<0.38	<0.38	1.61	14.1	0.405	0.165	0.165	<0.0278	<0.0278	<0.0278	0.0407	0.051	0.064	0.102	0.05	0.0701	<0.0278	0.0781	
		<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		0.461	<0.359	<0.359	0.808	<0.359	1.3	<0.359	0.392	<0.359	<0.359	<0.359	0.863	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	0.0407	0.051	0.064	0.102	0.05	0.0701	<0.0278	0.0781	
		0.59	0.647	<0.362	0.862	<0.362	1.13	<0.362	0.308	<0.362	<0.362	<0.362	0.796	<0.362	<0.362	<0.362	<0.362	<0.362	<0.362	0.0407	0.051	0.064	0.102	0.05	0.0701	<0.0278	0.0781	
		<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	<0.367	0.0407	0.051	0.064	0.102	0.05	0.0701	<0.0278	0.0781	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.392	0.392	0.108	0.354	0.609	2.31	2.08	2.4	1.3	2.09	2.88	0.696	4.58	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.165	0.165	<0.0278	<0.0278	<0.0278	0.0407	0.051	0.064	0.102	0.05	0.0701	<0.0278	0.0781	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.462	0.462	0.927	0.563	2.62	6.16	5.69	5.17	3.34	4.55	6.22	1.42	14.3	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.35	2.35	5.47	1.37	14.4	31.5	26.8	27.9	15.7	22.8	34.2	7.14	86.6	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.31	0.31	0.156	0.279	0.581	1.71	1.68	1.91	1.09	1.44	2.14	0.536	3.47	
		<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	<0.385	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.365	<0.365	<0.365	<0.365	<0.365	0.42	<0.365	<0.365	<0.365	<0.365	<0.365	<0.365	<0.365	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.375	<0.375	<0.375	0.419	<0.375	0.571	<0.375	<0.375	<0.375	<0.375	<0.375	0.999	<0.375	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	<0.391	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	<0.348	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		NA	NA	<0.410	NA	<0.410	NA	NA	NA	<0.410	<0.410	NA	NA	<0.410	0.13	0.13	0.032	0.026	0.094	0.3	0.22	0.22	0.14	0.21	0.35	0.061	0.61	
		NA	NA	<0.350	NA	<0.350	NA	NA	NA	<0.350	<0.350	NA	NA	<0.350	0.11	0.11	<0.027	0.083	0.077	0.33	0.26	0.28	0.19	0.26	0.41	0.062	0.56	
		NA	NA	0.49	NA	<0.440	NA	NA	NA	<0.440	<0.440	NA	NA	<0.440	0.095	0.095	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	
		NA	NA	<0.410	NA	<0.410	NA	NA	NA	<0.410	<0.410	NA	NA	<0.410	0.32	0.32	<0.031	<0.031	0.072	0.28	0.24	0.28	0.23	0.25	0.37	0.092	0.47	
		NA	NA	<0.370	NA	<0.370	NA	NA	NA	<0.370	<0.370	NA	NA	<0.370	0.036	0.036	<0.028	<0.028	0.052	0.19	0.15	0.15	0.1	0.15	0.23	0.04	0.42	
		NA	NA	<0.380	NA	<0.380	NA	NA	NA	<0.380	<0.380	NA	NA	<0.380	0.1	0.1	<0.029	<0.029	0.058	0.19	0.15	0.16	0.11	0.15	0.23	0.046	0.38	
		NA	NA	<0.410	NA	<0.410	NA	NA	NA	<0.410	<0.410	NA	NA	<0.410	0.12	0.12	0.033	0.18	0.15	0.45	0.48	0.5	0.43	0.42	0.6	0.13	0.74	
		NA	NA	<0.380	NA	<0.380	NA	NA	NA	<0.380	<0.380	NA	NA	<0.380	0.055	0.055	<0.029	<0.029	<0.029	0.07	0.056	0.067	0.077	0.058	0.095	<0.029	0.11	
		NA	NA	<0.430	NA	<0.430	NA	NA	NA	<0.430	<0.430	NA	NA	<0.430	0.14	0.14	0.1	0.17	0.36	1.1	1	1	0.71	0.91	1.3	0.33	2.2	
		NA	NA	<0.460	NA	<0.460	NA	NA	NA	<0.460	<0.460	NA	NA	<0.460	3.2	3.2	0.042	0.48	0.44	0.75	0.59	1.4	0.68	0.83	1.4	0.34	1.1	
		NA	NA	<0.400	NA	<0.400	NA	NA	NA	<0.400	<0.400	NA	NA	<0.400	0.087	0.087	0.29	0.053	0.71	2	1.5	1.7	1	1.3	2.2	0.3	4.5	
		NA	NA	<0.400	NA	<0.400	NA	NA	NA	<0.400	<0.400	NA	NA	<0.400	0.48	0.48	0.48	0.49	1.6	5.1	3.6	4.1	2.4	3.6	6.2	0.79	12.9	
		NA	NA	<0.410	NA	<0.410	NA	NA	NA	<0.410	<0.410	NA	NA	<0.410	0.2	0.2	<0.031	0.18	0.12	0.42	0.38	0.42	0.31	0.35	0.61	0.13	0.63	
		NA	NA	<4.1	NA	<4.1	NA	NA	NA	<4.1	<4.1	NA	NA	<4.1	7.8	7.8	14.5	2	32.5	69	57	47.7	31.2	50.8	66.1	10.5	138	
		NA	NA	<0.340	NA	<0.340	NA	NA	NA	<0.340	<0.340	NA	NA	<0.340	0.13	0.13	0.0077	0.034	0.044	0.13	0.093	0.14	0.088	0.12	0.21	0.036	0.29	
		NA	NA	<0.370	NA	<0.370	NA	NA	NA	<0.370	<0.370	NA	NA	<0.370	0.48	0.48	0.053	0.11	0.26	0.54	0.44	0.52	0.31	0.41	0.76	0.13	0.94	
		NA	NA	<0.410	NA	<0.410	NA	NA	NA	<0.410	<0.410	NA	NA	<0.410	0.26	0.26	0.075	0.12	0.25	0.78	0.61	0.71	0.44	0.61	1	0.19	1.6	
		NA	NA	<0.420	NA	<0.420	NA	NA	NA	<0.420	<0.420	NA	NA	<0.420	0.19	0.19	0.092	0.14	0.31	0.98	0.79	0.84	0.56	0.74	1.2	0.24	1.9	
		NA	NA	<0.380	NA	<0.380	NA	NA	NA	<0.380	<0.380	NA	NA	<0.380	0.27	0.27	0.099	0.37	0.42	2	1.7	1.8	1.4	1.8	2.5	0.56	3.9	
		NA	NA	<0.440	NA	<0.440	NA	NA	NA	<0.440	<0.440	NA	NA	<0.440	0.4	0.4	0.086	0.36	0.37	1.2	1.1	1.6	0.98	1.1	1.8	0.4	2.4	

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Depth (ft)	Sample Date	Figure Area	Figure ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate						
0.5	10/27/2010			100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	550	5,500	66,000	1.1	66,000	550	32,000	3.1	NE	NE	3.2	1.7	3.4	NE	100,000	11,000					
1.5	10/26/2010			4,690	1.2	15.4	194	NA	2.6	18.2	112	19,900	355	295	22.8	1.3	1.7	68.1	0.16	21	22.6	477	0.51	360	<0.0399	<0.0399	<0.0399	6.4	<5.7	<5.7						
3.5	10/25/2010			11,100	2.9	42.1	654	NA	<0.084	26.7	196	76,100	907	565	31.2	1.1	0.65	109	0.53	654	25.5	996	1.3	198	<0.0425	<0.0425	<0.0425	7.4	<6.1	<6.1						
5.5	10/25/2010			11,600	1.1	10.2	123	NA	<0.082	15.8	44	25,200	278	534	19.7	0.83	1.3	61.5	0.39	16.9	22.4	<51.3	<0.36	118	<0.0381	0.0694	<0.0381	11	13.3	<5.4						
7.5	10/26/2010			7,690	2.2	10.6	170	NA	9.3	46.2	107	21,600	329	506	24.5	0.97	6.7	66.1	0.28	27.9	19.7	<37.5	1.5	142	<0.0383	<0.0383	0.135	9.7	30.5	<5.5						
9.5	10/25/2010			6,100	<0.44	6.5	89.1	NA	<0.071	10.5	32.1	12,100	44	346	14.3	<0.44	<0.44	177	0.19	9.5	15.3	138	NA	15.3	<0.91	NA	NA	<5.6	<5.6	<5.6						
11.5	04/01/2011			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
13.5	02/14/2011			857	<0.37	2.1	12.1	NA	0.18	3.1	5.7	2,860	6.1	224	4.3	0.43	<0.37	125	<0.075	1	3.5	23.6	<0.02	NA	NA	NA	NA	NA	NA	NA	NA	NA				
15.5	02/14/2011			5,250	1.1	15.6	180	NA	1.7	14.8	69.3	17,000	191	267	15.8	1	<0.54	107	0.28	60.5	16.1	483	0.29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
17.5	03/14/2011			2,380	<0.56	5.8	41.9	NA	1.7	9.5	99.6	8,570	82.5	407	9.7	0.89	<0.56	78.7	<0.11	3.6	8.4	32.6	<0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
19.5	03/14/2011			7,500	2.1	85.7	349	NA	9	20.6	323	24,500	473	333	28.1	1.9	12.7	76.6	0.43	98.4	23.5	706	1.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
21.5	02/16/2011			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
23.5	02/16/2011			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
25.5	04/01/2011			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
27.5	06/25/2012			9,170	0.34	8.3	60.4	NA	0.18	13.7	22.3	21,200	12.5	242	24.3	<3	0.015	12.9	0.3	0.49	22.5	72.4	<0.24	<11.7	<0.88	<0.0408	<0.0408	<0.0408	<5.8	<5.8	<5.8	<5.8	<5.8			
29.5	06/25/2012			6,470	0.52	9	45.2	NA	0.26	10.6	30.3	17,900	45.8	503	16	<2.7	0.04	50.3	0.13	1.6	18.9	82.6	<0.23	22	<1	<0.0387	<0.0387	<0.0387	<5.5	<5.5	<5.5	<5.5	<5.5			
31.5	06/25/2012			7,730	1.8	15.8	286	NA	1.8	21.5	78.6	27,900	398	306	26.3	<2.7	0.45	94.2	0.42	79.4	25.8	544	0.72	114	<1.6	<0.0398	<0.0398	<0.0398	<5.7	13.1	<5.7	<5.7	<5.7			
33.5	06/26/2012			12,600	3.3	39.7	630	NA	1.3	16.6	95.1	27,500	510	234	23.9	<3	0.7	410	<0.59	125	43.8	550	<0.24	117	<1.7	<0.0414	<0.0414	<0.0414	6	<5.9	<5.9	<5.9	<5.9			
35.5	06/26/2012			3,520	<0.5	13.2	93.1	NA	0.53	11.7	24.2	12,200	82.9	311	14.2	0.88	0.15	132	<0.5	10.5	13.4	145	<0.22	40.7	<1	<0.0369	<0.0369	<0.0369	<5.3	<5.3	<5.3	<5.3	<5.3			
37.5	06/26/2012			14,000	5.2	18.2	391	NA	0.99	14.8	93.9	17,800	235	139	24	2.5	0.44	377	<1.1	29.5	30.9	253	0.26	40	<1.6	<0.0382	<0.0382	<0.0382	<5.5	<5.5	<5.5	<5.5	<5.5			
39.5	07/06/2016			14,300	<1.2	10.2	253	2.6	<0.620	14.6	56.4	14,000	69.6	263	16	<1.2	4.8	368	2.5	NA	27.8	137	<0.260	NA	NA	<0.120	<0.120	<0.120	6.4	<6.2	<6.2	<6.2	<6.2			
41.5	07/06/2016			4,220	<0.960	6.1	72.1	<0.480	1.9	9.2	35.9	9,200	72.3	295	11	<0.960	0.51	104	<0.960	NA	11.1	102	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.3	<5.3	<5.3	<5.3	<5.3			
43.5	07/07/2016			10,300	<1.3	21.5	425	2.4	0.88	38.7	167	68,000	2,920	255	24.4	<1.3	<0.640	199	2.4	NA	28.1	652	<0.280	NA	NA	<0.130	<0.130	<0.130	<6.7	<6.7	<6.7	<6.7	<6.7			
45.5	07/07/2016			10,600	3.6	22.7	673	1.7	5.1	29.3	352	68,600	1,100	479	29.5	<1.2	3.8	179	1.8	NA	34.4	2,110	0.39	NA	NA	<0.120	<0.120	<0.120	<6.2	<6.2	<6.2	<6.2	<6.2			
47.5	07/07/2016			2,200	1.3	5.9	70.8	<0.490	2.9	6.4	398	4,990	111	115	5.4	<0.970	<0.490	167	<0.970	NA	7	541	0.36	NA	NA	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7			
49.5	07/07/2016			9,260	1.8	11.2	187	0.59	2.8	16.8	89.1	14,400	318	355	15.4	<1.1	2.1	64.6	<1.1	NA	21.7	342	1.1	NA	NA	<0.120	<0.120	<0.120	37	<5.8	<5.8	<5.8	<5.8			
51.5	7/8/2016			8,780	2.2	13.2	224	0.98	9.9	45.5	119	16,400	312	329	21.4	<1.2	6.6	82.9	1.5	NA	23.6	360	2.8	NA	NA	<0.120	<0.120	<0.120	7.5	7.5	<6.1	<6.1	<6.1			
53.5	07/08/2016			8,850	4.8	26.6	852	1.5	5.5	40.5	1,290	64,200	1,120	474	370	2.1	15.4	128	1.5	NA	24.1	1,920	2.2	NA	NA	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7			
55.5	07/08/2016			8,410	<1.2	10.3	118	0.68	4.3	26.4	57.8	14,800	170	407	17.3	<1.2	2.5	52.6	<1.2	NA	21.2	224	<0.260	NA	NA	<0.130	<0.130	<0.130	11.6	6.8	<6.5	<6.5	<6.5			
57.5	07/08/2016			8,250	1.6	13.3	162	1.2	9.8	45.3	117	15,700	234	315	21.1	<1.2	5.3	97.4	1.5	NA	22.6	308	<0.300	NA	NA	<0.140	<0.140	<0.140	14	11.7	<7.0	<7.0	<7.0			
59.5	07/08/2016			9,410	<1.1	8.7	72.8	<0.570	1.4	16.8	23.6	11,700	66.3	333	13.5	<1.1	<0.570	134	<1.1	NA	25.7	87.7	<0.250	NA	NA	<2.4	<2.4	2.7	<6.0	<6.1	<6.1	<6.1	<6.1			
61.5	07/11/2016			7,120	1.2	49.9	156	1.3	4.4	24.5	75.2	16,800	292	339	21.4	1.5	<0.570	56.6	1.7	NA	19.3	3,640	<0.250	NA	NA	<0.120	<0.120	<0.120	6.4	27.2	<6.1	<6.1	<6.1			
63.5	07/11/2016			6,190	<1.2	13.7	121	0.78	1.4	13.4	46	13,100	123	241	14.8	<1.2	<0.580	71.7	1.3	NA	18.2	188	<0.240	NA	NA	<0.130	<0.130	<0.130	10.1	<6.3	<6.3	<6.3	<6.3			
65.5	07/11/2016			7,340	2.6	35	189	1.4	5.3	25.4	117	18,200	417	218	24.6	1.5	1.8	91.7	1.8	NA	22	2,250	0.33	NA	NA	<0.120	<0.120	<0.120	7.3	<6.2	<6.2	<6.2	<6.2			
67.5	07/11/2016			1,880	<0.880	2.3	18	<0.440	3.9	11.3	11.3	3,720	68.2	209	5.4	<0.880	<0.440	95.8	<0.880	NA	3.7	38.8	<0.220	NA	NA	<0.100	<0.100	<0.100	6	7.4	<5.2	<5.2	<5.2			
69.5	07/11/2016			2,640	<1.1	6.7	57.7	1.9	0.54	6.8	21.5	6,620	84.2	90.9	7.2	<1.1	<0.540	45	1.1	NA	7.1	88.8	<0.230	NA	NA	<0.110	<0.110	<0.110	<5.7	<5.7	<5.7	<5.7	<5.7			
71.5	07/11/2016			7,560	<1.1	11.5	131	0.73	1.5	16.5	55.5	14,600	220	306	16.3	1.2	1.8	59.3	1.3	NA</																

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol(o-cresol)	3,4-Methylphenol (Cresol)	4-Chloroaniline									
Contact			6.3	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	19	260	110	140	140	260	150	180	NE	1,800	4,500	NE	38									
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,500	5,100	870	170	820	95	260	110	140	260	NE	150	180	NE	94,000	87,000	NE	6,000									
2012	Area 1	A12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
2012	Area 1	A13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
2012	Area 1	A14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
2012	Area 1	A15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
2012	Area 1	A16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
2012	Area 1	A17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2012	Area 1	A18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2012	Area 1	B1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2012	Area 1	B2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
2012	Area 1	B3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
2012	Area 1	B5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
2012	Area 1	B6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 1	B10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 1	B4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 1	B13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 1	B15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	C1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	C2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	C3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	C4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	D1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	D2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 1	D3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	E1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	E2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 1	E3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 1	E4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 1	F4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	A12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol(o-cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline
Contact			6.3	220	180	28,000	910	100,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	140	260	150	180	NE	1,800	4,500	NE	38
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,300	3,100	870	170	820	95	260	110	140	260	150	180	NE	34,000	87,000	NE	6,000	
2012	Area 2	B5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (H)	D-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Prenanthrene	Pyrene	1-Ethylphthalate	2-Methylphthalate	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (H)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Fluoranthene
Area 1	D1	NA	2,100	4,100	1,600	8,800	1,600	3,400	3,400	16	8,000	4,500	53	NE	2,500	NE	340	5,000	NE	25,000	16	1,6	210	NE	160	1,699	1,6	3,400
Area 1	D2	NA	2,100	4,100	1,600	8,800	1,900	3,400	3,400	210	24,000	4,700	170	NE	2,500	NE	340	5,000	NE	100,000	210	21	210	NE	2,100	21,000	21	30,000
Area 1	D3	NA	2,100	4,100	1,600	8,800	1,900	3,400	3,400	12,000	100,000	100,000	3,100	NE	51,000	NE	6,800	100,000	NE	100,000	12,000	500	12,000	NE	100,000	100,000	1,200	65,000
Area 2	B5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	E1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Depth (ft)	Sample Date	Figure Area		Figure ID																									
		Area 1	Area 2	Figure ID	Figure ID																								
Soil Management Plan - Page 526	Identical Direct Contact	100,000	43	9.5	21,000	2.20	NE	NE	4,300	77,000	400	2,500	2,100	550	5,500	5,800	5,800	32,000	3.1	NE	NE	3.2	1.7	3.4	3.4	NE	100,000	11,000	
	m/Ind Direct Contact	100,000	470	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,400	5,400	5,400	100,000	12	NE	NE	9.5	9.7	9.9	570	570	NE	100,000	100,000	
	Excavation Direct Contact	100,000	790	920	100,000	3,900	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	9,800	100,000	20	NE	NE	5.60	3.3	5.60	3.3	5.60	NE	100,000	100,000	
					B5		33.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B6		26.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B7		24.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B8		8.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B9		14.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B10		22.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					B11		16.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C1		35.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C2		62.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C3		7.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C4		7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C5		6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C6		19.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C7		13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C8		5.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C9		18.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C10		10.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C11		44.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C12		16.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C13		8.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C14		14.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C15		10.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
					C16		15.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
				C17		19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				C18		20.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				C19		35.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				C20		41.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				C21		22.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D1		17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D2		53.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D3		8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D5		14.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D11		66.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D14		141	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D15		99.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D16		41.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D17		51.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D18		35.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				D19		54.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
				E1		2.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-cresol)	3,4-Dimethylphenol (m-cresol)	4-Chloroaniline
Contact			6.3	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	19	260	110	140	260	NE	150	180	NE	1,800	4,500	NE	38
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,500	5,100	870	170	820	95	260	110	140	260	NE	150	180	NE	3,010	87,000	NE	6,000
2012	Area 2	E2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	1G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol(o-cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline
Contact			6.3	220	180	28,000	910	100,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	140	NE	150	180	NE	1,800	4,500	NE	38
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,300	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	3,010	41,000	NE	110
2012	Area 2	C33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	C36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	2G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	3G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	A31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	B37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The following notes summarize the color of screening level (SL) exceedances:
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Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (H)	D-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Fluorene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Prenanthrene	Phenol	Pyrene	bis(2-Ethylhexyl)phthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthylene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (H)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Fluoranthene
Area 1	act	NA	1,600	41,100	1,600	8,800	1,000	3,400	3,400	16	8,000	4,500	53	NE	27,000	2,500	550	340	340	5,000	NE	25,000	16	1,6	210	NE	160	1,600	1,6	3,400
Area 1	act	NA	2,100	12,000	21,000	82,000	1,200	30,000	30,000	210	24,000	4,700	170	NE	100,000	23,000	1,400	3,000	3,000	45,000	NE	100,000	210	21	210	NE	2,100	21,000	21	30,000
Area 2	C33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	C36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	D24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	E10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	E11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	E12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	F1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	F2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	2G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	3G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A22	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	A31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B24	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B34	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B35	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Area 2	B37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Date	Figure Area	Figure ID	1.1.2-Trichloroethane	1.2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol(o-cresol)	3,4-Dimethylphenol (Cresol)	4-Chloroaniline								
Contact			6.3	220	180	28,000	910	100,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	140	260	150	180	NE	1,800	4,500	NE	38								
Contact			35	220	180	28,000	910	100,000	1,800	740	480	270	3,300	3,100	870	170	820	95	260	110	140	260	150	180	NE	34,000	87,000	41,000	6,000									
2012	Area 2	B88	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
2012	Area 2	B89	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
2012	Area 2	C37	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
2012	Area 2	C38	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
2012	Area 2	C39	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
2012	Area 2	C40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
2012	Area 2	C41	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
2012	Area 2	C42	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 2	C43	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 2	C44	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 2	C45	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
2012	Area 2	C46	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	C47	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	C48	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	C49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	C50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D26	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D27	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D29	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	D32	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E13	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E20	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	E21	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
2012	Area 2	F4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2012	Area 2	F9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Figure Area	Figure ID	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (1)	D-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Fluorene	Indeno(1,2,3-cd)pyrene	Isothorone	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Phenol	Pyrene	bis(2-Ethylhexyl)phthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (1)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (1)	Dibenz(a,h)anthracene	Fluorene										
act	F10	NA	160	4,100	1,600	8,800	1.6	100	3,400	16	8,000	4,500	53	NE	27,000	2,500	550	340	340	5,000	NE	25,000	16	1.6	16	NE	160	1,600	3,400											
act	F11	NA	2,100	12,000	21,000	82,000	2.1	1,000	30,000	210	24,000	4,700	170	NE	100,000	23,000	1,600	3,000	3,000	45,000	NE	100,000	210	2.1	210	NE	2,100	21,000	21,000											
act	F12	NA	100,000	100,000	100,000	100,000	1,200	1,900	68,000	12,000	100,000	100,000	3,100	NE	100,000	51,000	34,000	6,800	6,800	100,000	NE	100,000	12,000	500	12,000	NE	100,000	100,000	1,200											
	4G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA										
	5G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									
	6G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA								
	A1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
	A2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
	A3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	A5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
	A6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
	A7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	A8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	A9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	A10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	A12	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	B1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	B2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	B6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	B7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	B18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	B19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	B4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Depth (ft)	Sample Date	Figure Area		Figure ID	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PC-B-1248 (Aroclor)	PC-B-1254 (Aroclor)	PC-B-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite							
		Area 2	Area 3																																				
		idental Direct Contact			100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	550	550	66,000	1.1	66,000	550	32,000	3.1	NE	NE	3.2	1.7	3.4	NE	100,000	11,000							
		m/Ind Direct Contact			100,000	470	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.7	9.9	NE	100,000	100,000							
		avation Direct Contact			100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	100,000	20	100,000	9,900	100,000	3.1	NE	NE	560	53	570	NE	100,000	100,000							
			Area 2	F10	NA	NA	21.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA							
			Area 2	F11	NA	NA	20.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
			Area 2	F12	NA	NA	64	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
			Area 2	4G	NA	NA	51.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
			Area 2	5G	NA	NA	68	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
			Area 2	6G	NA	NA	38.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
			Area 3	A1	NA	NA	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
			Area 3	A2	NA	NA	11.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A3	NA	NA	6.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A5	NA	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A6	NA	NA	7.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A7	NA	NA	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A8	NA	NA	12.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A9	NA	NA	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A10	NA	NA	15.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	A12	NA	NA	27.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B1	NA	NA	15.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B2	NA	NA	15.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B6	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B7	NA	NA	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B18	NA	NA	14.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 3	B19	NA	NA	16.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
			Area 2	B4	NA	NA	8.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
BBSB-1 (4-6')	4	6	05/08/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-1 (31-32')	31	32	05/08/2013	<Res SL					
BBSB-2 (4-6')	4	6	05/06/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-2 (18-20')	18	20	05/06/2013	<Res SL					
BBSB-3 (4-6')	4	6	05/06/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-3 (16-18')	16	18	05/06/2013	<Res SL					
BBSB-4 (2-4')	2	4	05/06/2013	<Res SL					
BBSB-4 (18-20')	18	20	05/06/2013	<Res SL					
BBSB-5 (6-8')	6	8	05/08/2013	<Res SL					
BBSB-5 (18-20')	18	20	05/08/2013	<Res SL					
BBSB-6 (10-12')	10	12	05/08/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-6 (18-20')	18	20	05/08/2013	<Res SL					
BBSB-7 (4-6')	4	6	05/07/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
BBSB-7 (6-8')	6	8	05/07/2013	<Res SL					
BBSB-7 (22-24')	22	24	05/07/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-8 (4-6')	4	6	05/06/2013	<Res SL					
BBSB-8 (22-24')	22	24	05/06/2013	<Res SL					
BBSB-9 (12-14')	12	14	05/08/2013	<Res SL					
BBSB-9 (24-28')	24	28	05/08/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-10 (8-10')	8	10	05/08/2013	<Res SL					
BBSB-10 (18-20')	18	20	05/08/2013	<Res SL					
BBSB-11 (6-8')	6	8	05/09/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-11 (22-24')	22	24	05/09/2013	<Res SL					
BBSB-12 (6-8')	6	8	05/07/2013	>Res SL	<Res SL	<Res SL	<Res SL	<Res SL	>Res SL
BBSB-12 (22-24')	22	24	05/07/2013	<Res SL					
BBSB-13 (12-14')	12	14	05/09/2013	<Res SL					
BBSB-13 (22-24')	22	24	05/09/2013	<Res SL					
BBSB-14 (3-5')	3	5	05/09/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-14 (18-20')	18	20	05/09/2013	<Res SL					
BBSB-15 (4-6')	4	6	05/07/2013	<Res SL					
BBSB-15 (20-22')	20	22	05/07/2013	<Res SL					
BBSB-16 (6-8')	6	8	05/07/2013	<Res SL					
BBSB-16 (26-28')	26	28	05/07/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-17 (6-8')	6	8	05/08/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-17 (16-18')	16	18	05/08/2013	<Res SL					
BBSB-18 (4-6')	4	6	05/08/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
BBSB-18 (22-24')	22	24	05/08/2013	<Res SL					
BBSB-19 (8-10')	8	10	05/08/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-19 (14-16')	14	16	05/08/2013	<Res SL					
BBSB-19 (30-32')	30	32	05/08/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-20 (12-14')	12	14	05/21/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-20 (30-32')	30	32	05/21/2013	<Res SL					
BBSB-21 (10-12')	10	12	05/09/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-21 (30-32')	30	32	05/09/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-22 (10-12')	10	12	05/09/2013	<Res SL					

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NA = Constituents not analyzed

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All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
BBSB-22 (30-32')	30	32	05/09/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-23 (8-10')	8	10	05/15/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-23 (27-28')	27	28	05/15/2013	<Res SL					
BBSB-24 (8-10')	8	10	05/09/2013	<Res SL					
BBSB-25 (10-12')	10	12	05/09/2013	<Res SL					
BBSB-25 (22-24')	22	24	05/09/2013	<Res SL					
BBSB-26 (8-10')	8	10	05/21/2013	<Res SL					
BBSB-26 (22-24')	22	24	05/21/2013	<Res SL					
BBSB-27 (12-14')	12	14	05/10/2013	<Res SL					
BBSB-27 (30-32')	30	32	05/10/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-28 (14-16')	14	16	05/10/2013	<Res SL					
BBSB-29 (4-6')	4	6	05/10/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-29 (26-28')	26	28	05/10/2013	<Res SL					
BBSB-30 (10-12')	10	12	05/10/2013	<Res SL					
BBSB-30 (18-20')	18	20	05/10/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-31 (12-14')	12	14	05/10/2013	>Exc SL	<Res SL	<Res SL	>Res SL	>Res SL	>Exc SL
BBSB-31 (27-28')	27	28	05/10/2013	<Res SL					
BBSB-32 (12-14')	12	14	05/14/2013	<Res SL					
BBSB-32 (26-28')	26	28	05/14/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-35 (6-8')	6	8	05/14/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-35 (26-28')	26	28	05/14/2013	<Res SL					
BBSB-37 (8-10')	8	10	05/10/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-37 (18-20')	18	20	05/10/2013	<Res SL					
BBSB-38 (6-8')	6	8	05/20/2013	<Res SL					
BBSB-38 (22-24')	22	24	05/20/2013	<Res SL					
BBSB-39 (8-10')	8	10	05/20/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	>Res SL
BBSB-39 (8-10')	8	10	05/22/2013	<Res SL	NA	<Res SL	NA	<Res SL	NA
BBSB-39 (22-24')	22	24	05/20/2013	<Res SL					
BBSB-39 (22-24')	22	24	05/22/2013	<Res SL	NA	<Res SL	NA	<Res SL	NA
BBSB-40 (10-12')	10	12	05/13/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-40 (30-32')	30	32	05/13/2013	>Res SL	<Res SL				
BBSB-41 (10-12')	10	12	05/22/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-41 (30-32')	30	32	05/22/2013	<Res SL					
BBSB-42 (6-8')	6	8	05/13/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
BBSB-42 (22-24')	22	24	05/13/2013	<Res SL					
BBSB-43 (10-12')	10	12	05/13/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
BBSB-43 (24-26')	24	26	05/13/2013	<Res SL					
BBSB-44 (2-4')	2	4	05/13/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
BBSB-44 (26-28')	26	28	05/13/2013	<Res SL					
BBSB-45 (16-18')	16	18	05/14/2013	<Res SL					
BBSB-45 (41-42')	41	42	05/14/2013	<Res SL					
BBSB-46 (6-8')	6	8	05/21/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-46 (22-24')	22	24	05/21/2013	<Res SL					
BBSB-47 (4-6')	4	6	05/15/2013	<Res SL					
BBSB-47 (26-28')	26	28	05/15/2013	<Res SL					

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

**Soil Management Plan
Subsurface Soil Analytical Summary**

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
BBSB-48 (14-16')	14	16	05/22/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-48 (26-28')	26	28	05/22/2013	<Res SL					
BBSB-49 (4-6')	4	6	05/15/2013	>Exc SL	<Res SL	<Res SL	>Ind SL	>Res SL	>Exc SL
BBSB-49 (16-18')	16	18	05/15/2013	<Res SL					
BBSB-50 (14-16')	14	16	05/16/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-50 (30-32')	30	32	05/16/2013	<Res SL					
BBSB-50 (4-6')	4	6	05/16/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	>Res SL
BBSB-51 (4-6')	4	6	05/16/2013	<Res SL					
BBSB-51 (10-12')	10	12	05/16/2013	<Res SL					
BBSB-51 (26-28')	26	28	05/16/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-52 (8-10')	8	10	05/21/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-52 (30-32')	30	32	05/22/2013	<Res SL					
BBSB-53 (11-12')	11	12	05/17/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-53 (27-28')	27	28	05/17/2013	<Res SL					
BBSB-55 (8-10')	8	10	05/16/2013	<Res SL					
BBSB-55 (26-28')	26	28	05/16/2013	<Res SL					
BBSB-56 (12-14')	12	14	05/17/2013	<Res SL					
BBSB-56 (27.5-27.75')	27.5	27.75	05/17/2013	<Res SL					
BBSB-57 (12-14')	12	14	05/20/2013	<Res SL					
BBSB-57 (26-28')	26	28	05/20/2013	<Res SL					
BBSB-58 (6-8')	6	8	05/20/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-58 (26-28')	26	28	05/20/2013	<Res SL					
BBSB-59 (10-12')	10	12	05/17/2013	<Res SL					
BBSB-59 (26-28')	26	28	05/17/2013	<Res SL					
BBSB-60 (10-12')	10	12	05/17/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-60 (26-28')	26	28	05/17/2013	<Res SL					
BBSB-61 (12-14')	12	14	05/17/2013	<Res SL					
BBSB-61 (26-28')	26	28	05/17/2013	<Res SL					
BBSB-61 (6-8')	6	8	05/17/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-62 (12-14')	12	14	05/20/2013	<Res SL					
BBSB-62 (26-28')	26	28	05/20/2013	<Res SL					
BBSB-63 (6-8')	6	8	05/20/2013	<Res SL					
BBSB-63 (26-28')	26	28	05/20/2013	<Res SL					
BBSB-64 (4-6')	4	6	05/20/2013	<Res SL					
BBSB-64 (22-24')	22	24	05/20/2013	<Res SL					
BBSB-65 (2-4')	2	4	05/16/2013	<Res SL					
BBSB-65 (24-26')	24	26	05/16/2013	<Res SL					
BBSB-66 (10-12')	10	12	05/16/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	>Res SL
BBSB-66 (26-28')	26	28	05/16/2013	<Res SL					
BBSB-67 (8-10')	8	10	05/16/2013	<Res SL					
BBSB-67 (26-28')	26	28	05/16/2013	<Res SL					
BBSB-68 (10-12')	10	12	05/16/2013	<Res SL					
BBSB-68 (10-12')	10	12	05/22/2013	<Res SL	NA	<Res SL	NA	<Res SL	NA
BBSB-68 (26-28')	26	28	05/16/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-68 (26-28')	26	28	05/22/2013	<Res SL	NA	<Res SL	NA	<Res SL	NA

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
BBSB-69 (12-14')	12	14	05/16/2013	<Res SL					
BBSB-69 (30-32')	30	32	05/16/2013	<Res SL					
BBSB-70 (30-32')	30	32	09/22/2014	<Res SL					
BBSB-70 (8-10')	8	10	09/23/2014	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
BBSB-85 (6-8')	6	8	5/16/2011	<Res SL					
BBSB-85 (26-28')	26	28	5/16/2011	<Res SL					
BBSB-86 (10-12')	10	12	5/16/2011	<Res SL					
BBSB-86 (31-32')	31	32	5/16/2011	<Res SL					
BBSB-87 (6-8')	6	8	5/16/2011	<Res SL					
BBSB-87 (30-32')	30	32	5/16/2011	<Res SL					
BBSB-88 (10-12')	10	12	5/16/2011	<Res SL					
BBSB-88 (27-28')	27	28	5/16/2011	<Res SL					
BBSB-89 (10-12')	10	12	5/16/2011	<Res SL					
BBSB-89 (30-32')	30	32	5/16/2011	<Res SL					
BBSB-96 (8-10')	8	10	1/19/2016	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-96 (24-26')	24	26	1/19/2016	<Res SL					
BBSB-97 (8-10')	8	10	1/19/2016	<Res SL					
BBSB-97 (26-28')	26	28	1/20/2016	<Res SL					
BBSB-98 (2-4')	2	4	1/20/2016	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
BBSB-98 (8-10')	8	10	1/20/2016	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
BBSB-98 (26-28')	26	28	1/20/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-135(8-10')	8	10	05/03/2017	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
BBSB-135(47-48')	47	48	05/03/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-137(10-12')	10	12	05/04/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-137(18-20')	18	20	05/04/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
BBSB-138 (6-8')	6	8	05/12/2017	<Res SL					
BBSB-138 (26-28')	26	28	05/12/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-1 (12-14')	12	14	03/18/2011	<Res SL					
CSSB-1 (6-8')	6	8	03/18/2011	<Res SL					
CSSB-2 (18-20')	18	20	03/21/2011	<Res SL					
CSSB-2 (2-4')	2	4	03/21/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-2 (8.5-10.5')	8.5	10.5	03/21/2011	<Res SL					
CSSB-3 (10-12')	10	12	03/21/2011	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
CSSB-3 (15-17')	15	17	03/21/2011	<Res SL					
CSSB-3 (18-20')	18	20	03/21/2011	<Res SL					
CSSB-4 (14-16')	14	16	03/16/2011	<Res SL					
CSSB-4 (7-8')	7	8	03/16/2011	<Res SL					
CSSB-5 (14-16')	14	16	03/18/2011	<Res SL					
CSSB-5 (8-10')	8	10	03/18/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-6 (14-15.5')	14	15.5	03/18/2011	<Res SL					
CSSB-6 (18-20')	18	20	03/18/2011	<Res SL					
CSSB-7 (18-19.5')	18	19.5	03/16/2011	<Res SL					
CSSB-7 (8-10')	8	10	03/16/2011	<Res SL					
CSSB-8 (16-18')	16	18	03/18/2011	<Res SL					
CSSB-8 (8-10')	8	10	03/18/2011	<Res SL					

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All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
CSSB-9 (10-12')	10	12	03/17/2011	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSB-9 (18-20')	18	20	03/17/2011	<Res SL					
CSSB-9 (8-10')	8	10	03/17/2011	<Res SL					
CSSB-10 (10-12')	10	12	03/16/2011	<Res SL					
CSSB-10 (6-8')	6	8	03/16/2011	<Res SL					
CSSB-11 (10-12')	10	12	03/17/2011	<Res SL					
CSSB-11 (20.5-22.5')	20.5	22.5	03/17/2011	<Res SL					
CSSB-12 (14-16')	14	16	03/17/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-12 (7-8')	7	8	03/17/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-13 (18-20')	18	20	03/21/2011	<Res SL					
CSSB-13 (9-11')	9	11	03/21/2011	<Res SL					
CSSB-14 (12-14')	12	14	03/22/2011	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSB-14 (18-20')	18	20	03/22/2011	<Res SL					
CSSB-14 (8-10')	8	10	03/22/2011	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
CSSB-15 (10-11.5')	10	11.5	03/22/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-15 (14-16')	14	16	03/22/2011	<Res SL					
CSSB-16 (2-4')	2	4	03/22/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-16 (8-10')	8	10	03/22/2011	<Res SL					
CSSB-17 (22-24')	22	24	03/23/2011	<Res SL					
CSSB-17 (4-6')	4	6	03/23/2011	<Res SL					
CSSB-17 (8-10')	8	10	03/23/2011	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
CSSB-18 (12-14')	12	14	03/23/2011	<Res SL					
CSSB-18 (14-15.5')	14	15.5	03/23/2011	<Res SL					
CSSB-19 (22-24')	22	24	03/22/2011	<Res SL					
CSSB-19 (6-8')	6	8	03/22/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-19 (8-10')	8	10	03/22/2011	<Res SL					
CSSB-20 (10-12')	10	12	11/27/2012	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
CSSB-20 (22-24')	22	24	11/27/2012	<Res SL					
CSSB-21 (18-20')	18	20	11/27/2012	<Res SL					
CSSB-21 (8-10')	8	10	11/27/2012	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
CSSB-22 (13-14')	13	14	11/27/2012	<Res SL					
CSSB-22 (8-10')	8	10	11/27/2012	>Exc SL	<Res SL	<Res SL	>Exc SL	<Res SL	<Res SL
CSSB-23 (12-14')	12	14	11/27/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-23 (18-20')	18	20	11/27/2012	<Res SL					
CSSB-24 (14-15')	14	15	11/27/2012	<Res SL					
CSSB-24 (5-6')	5	6	11/27/2012	<Res SL					
CSSB-25 (14-15')	14	15	11/27/2012	<Res SL					
CSSB-25 (6-8')	6	8	11/27/2012	<Res SL					
CSSB-26 (8-10')	8	10	03/20/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSB-26 (18-20')	18	20	03/20/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-27 (8-10')	8	10	03/20/2013	>Exc SL	<Res SL	<Res SL	>Ind SL	>Exc SL	<Res SL
CSSB-27 (18-20')	18	20	03/20/2013	<Res SL					
CSSB-28 (12-14')	12	14	03/20/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
CSSB-28 (18-20')	18	20	03/20/2013	<Res SL					
CSSB-29 (13-15')	13	15	03/21/2013	<Res SL					

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
CSSB-29 (20-22')	20	22	03/21/2013	<Res SL					
CSSB-30 (8-10')	8	10	03/21/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-31 (12-14')	12	14	03/21/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-31 (18-20')	18	20	03/21/2013	<Res SL					
CSSB-32 (12-14')	12	14	07/29/2013	<Res SL					
CSSB-32 (20-22')	20	22	07/29/2013	<Res SL					
CSSB-33 (18-20')	18	20	07/29/2013	<Res SL					
CSSB-33 (6-8')	6	8	07/29/2013	<Res SL					
CSSB-34 (22-24')	22	24	07/30/2013	<Res SL					
CSSB-34 (8-10')	8	10	07/30/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
CSSB-35 (2-4')	2	4	07/31/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-35 (22-24')	22	24	07/31/2013	<Res SL					
CSSB-36 (22-24')	22	24	07/31/2013	<Res SL					
CSSB-36 (8-10')	8	10	07/31/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
CSSB-37 (10-12')	10	12	07/29/2013	<Res SL					
CSSB-37 (18-20')	18	20	07/29/2013	<Res SL					
CSSB-37 (2-4')	2	4	07/29/2013	<Res SL					
CSSB-38 (18-20')	18	20	07/30/2013	<Res SL					
CSSB-38 (4-6')	4	6	07/30/2013	<Res SL					
CSSB-39 (18-20')	18	20	07/31/2013	<Res SL					
CSSB-39 (4-6')	4	6	07/31/2013	<Res SL					
CSSB-40 (18-20')	18	20	07/29/2013	<Res SL					
CSSB-40 (6-8')	6	8	07/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-41 (18-20')	18	20	07/29/2013	<Res SL					
CSSB-41 (3-4')	3	4	07/29/2013	<Res SL					
CSSB-42 (18-20')	18	20	07/30/2013	<Res SL					
CSSB-42 (4-6')	4	6	07/30/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-43 (10-12')	10	12	07/31/2013	<Res SL					
CSSB-43 (18-20')	18	20	07/31/2013	<Res SL					
CSSB-44 (18-20')	18	20	07/30/2013	<Res SL					
CSSB-44 (6-8')	6	8	07/30/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-45 (18-20')	18	20	07/29/2013	<Res SL					
CSSB-45 (6-8')	6	8	07/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-46 (18-20')	18	20	07/30/2013	<Res SL					
CSSB-46 (6-8')	6	8	07/30/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-47 (14-16')	14	16	08/01/2013	<Res SL					
CSSB-47 (20-22')	20	22	08/01/2013	<Res SL					
CSSB-48 (12-14')	12	14	07/31/2013	<Res SL					
CSSB-48 (18-20')	18	20	07/31/2013	<Res SL					
CSSB-49 (18-20')	18	20	07/30/2013	<Res SL					
CSSB-49 (4-6')	4	6	07/30/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-50 (10-12')	10	12	07/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-50 (23-24')	23	24	07/29/2013	<Res SL					
CSSB-51 (10-12')	10	12	08/01/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-51 (15-17')	15	17	08/01/2013	<Res SL					

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
CSSB-52 (18-20')	18	20	07/31/2013	<Res SL					
CSSB-52 (8-10')	8	10	07/31/2013	<Res SL					
CSSB-53 (18-20')	18	20	07/31/2013	<Res SL					
CSSB-53 (8-10')	8	10	07/31/2013	<Res SL					
CSSB-54	0	10	09/22/2014	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
CSSB-55	0	8	09/22/2014	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
CSSB-56	0	9	09/22/2014	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
CSSB-57	0	8	09/22/2014	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
CSSB-77(6-8)	6	8	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-77 (42-44)	42	44	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-78 (4-6)	4	6	05/10/2017	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
CSSB-78 (8-10)	8	10	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-78 (26-27)	26	27	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-79(8-10)	8	10	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
CSSB-79(12-14)	12	14	05/09/2017	<Res SL					
CSSB-79(27-28)	27	28	05/09/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-1 (8-10')	8	10	10/27/2010	<Res SL					
GSSB-1 (12-14')	12	14	10/27/2010	<Res SL					
GSSB-2 (8-10')	8	10	10/27/2010	<Res SL					
GSSB-2 (12-14')	12	14	10/27/2010	<Res SL					
GSSB-3 (8-10')	8	10	10/28/2010	<Res SL					
GSSB-3 (12-14')	12	14	10/28/2010	<Res SL					
GSSB-4 (4-6)	4	6	10/27/2010	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
GSSB-4 (6-8)	6	8	10/27/2010	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-4 (8-10')	8	10	10/27/2010	<Res SL					
GSSB-4 (18-20')	18	20	10/27/2010	<Res SL					
GSSB-5 (6-8)	6	8	10/27/2010	>Ind SL	>Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
GSSB-5 (18-20')	18	20	10/27/2010	<Res SL					
GSSB-6 (10-12')	10	12	10/27/2010	<Res SL					
GSSB-6 (18-20')	18	20	10/27/2010	<Res SL					
GSSB-7 (4-6)	4	6	10/26/2010	>Exc SL	<Res SL	<Res SL	>Exc SL	>Res SL	<Res SL
GSSB-7 (8-10')	8	10	10/26/2010	<Res SL					
GSSB-7 (19-20')	19	20	10/26/2010	<Res SL					
GSSB-8 (8-10')	8	10	10/28/2010	<Res SL					
GSSB-8 (18-20')	18	20	10/28/2010	<Res SL					
GSSB-9 (6-8)	6	8	10/28/2010	<Res SL					
GSSB-9 (16-18')	16	18	10/28/2010	<Res SL					
GSSB-10 (4-6)	4	6	10/29/2010	>Res SL	>Res SL	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-10 (16-18')	16	18	10/29/2010	<Res SL					
GSSB-10 (22-24')	22	24	10/29/2010	<Res SL					
GSSB-11 (8-10')	8	10	10/28/2010	<Res SL					
GSSB-11 (10-12')	10	12	10/28/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-12 (2-4')	2	4	10/29/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-12 (10-12')	10	12	10/29/2010	<Res SL					
GSSB-13 (6-8)	6	8	10/29/2010	>Exc SL	>Ind SL	<Res SL	>Exc SL	>Exc SL	<Res SL

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSB-13 (10-12')	10	12	10/29/2010	<Res SL					
GSSB-13 (18-20')	18	20	10/29/2010	<Res SL					
GSSB-14 (12-14')	12	14	10/29/2010	<Res SL					
GSSB-14 (18-20')	18	20	10/29/2010	<Res SL					
GSSB-15 (4-6')	4	6	10/28/2010	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-15 (8-10')	8	10	10/28/2010	<Res SL					
GSSB-15 (18-20')	18	20	10/28/2010	<Res SL					
GSSB-19 (6-8')	6	8	03/17/2011	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-19 (10-12')	10	12	03/17/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-20 (4-5.5')	4	5.5	03/17/2011	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
GSSB-21 (2-4')	2	4	03/16/2011	>Res SL	>Res SL	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-21 (8-10')	8	10	03/16/2011	<Res SL					
GSSB-21 (16-18')	16	18	03/16/2011	<Res SL					
GSSB-23 (8-9.5')	8	9.5	03/14/2011	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-23 (8-9.5')	8	9.5	03/17/2011	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
GSSB-23 (12-14')	12	14	03/16/2011	<Res SL					
GSSB-23 (18-20')	18	20	03/14/2011	<Res SL	NA	<Res SL	<Res SL	<Res SL	<Res SL
GSSB-23 (18-20')	18	20	03/17/2011	<Res SL	<Res SL	<Res SL	NA	<Res SL	<Res SL
GSSB-24 (6-8')	6	8	03/17/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-24 (10-12')	10	12	03/17/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-24 (18-20')	18	20	03/17/2011	<Res SL					
GSSB-25 (6-8')	6	8	03/15/2011	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
GSSB-25 (12-14')	12	14	03/15/2011	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-25 (18-20')	18	20	03/15/2011	<Res SL					
GSSB-26 (6-8')	6	8	03/15/2011	>Ind SL	<Res SL	<Res SL	>Ind SL	>Res SL	<Res SL
GSSB-26 (16-18')	16	18	03/15/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-27 (8-10')	8	10	03/16/2011	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-27 (19-20')	19	20	03/16/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-28 (6-8')	6	8	03/16/2011	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-28 (24-25')	24	25	03/16/2011	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-29 (8-10')	8	10	10/25/2010	>Ind SL	>Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-29 (18-20')	18	20	10/25/2010	<Res SL					
GSSB-29 (24-25')	24	25	10/25/2010	<Res SL					
GSSB-30 (6-8')	6	8	02/16/2011	>Exc SL	<Res SL	<Res SL	>Ind SL	>Exc SL	<Res SL
GSSB-30 (12-14')	12	14	02/16/2011	<Res SL					
GSSB-30 (18-20')	18	20	02/16/2011	<Res SL					
GSSB-31 (2-4')	2	4	10/26/2010	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-31 (8-10')	8	10	10/26/2010	<Res SL					
GSSB-31 (16-18')	16	18	10/26/2010	<Res SL					
GSSB-32 (8-10')	8	10	10/25/2010	<Res SL					
GSSB-32 (18-20')	18	20	10/25/2010	<Res SL					
GSSB-33 (2-4')	2	4	02/14/2011	>Ind SL	NA	<Res SL	>Ind SL	>Ind SL	<Res SL
GSSB-33 (8-10')	8	10	02/14/2011	>Ind SL	NA	<Res SL	>Ind SL	>Res SL	<Res SL
GSSB-34 (2-4')	2	4	02/14/2011	>Res SL	NA	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-34 (8-10')	8	10	02/14/2011	>Res SL	NA	<Res SL	<Res SL	>Res SL	<Res SL

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSB-36 (4-6')	4	6	01/31/2012	<Res SL					
GSSB-36 (22-24')	22	24	01/31/2012	<Res SL					
GSSB-37 (6-8')	6	8	02/02/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-37 (16-18')	16	18	01/31/2012	<Res SL					
GSSB-38 (8-10')	8	10	01/31/2012	<Res SL					
GSSB-38 (16-18')	16	18	01/31/2012	<Res SL					
GSSB-39 (4-6')	4	6	03/01/2012	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-39 (8-10')	8	10	03/01/2012	<Res SL					
GSSB-39 (15-16')	15	16	03/01/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-40 (10-12')	10	12	11/26/2012	<Res SL					
GSSB-40 (18-20')	18	20	11/26/2012	<Res SL					
GSSB-41 (18-20')	18	20	11/26/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-41 (8-10')	8	10	11/26/2012	<Res SL					
GSSB-43 (18-20')	18	20	11/26/2012	<Res SL					
GSSB-43 (8-10')	8	10	11/26/2012	<Res SL					
GSSB-44 (22-24')	22	24	11/26/2012	<Res SL					
GSSB-44 (8-10')	8	10	11/26/2012	<Res SL					
GSSB-45 (8-10')	8	10	03/21/2013	<Res SL					
GSSBD-45 (18-20')	18	20	03/21/2013	<Res SL					
GSSB-46 (18-20')	18	20	03/21/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-46 (8-10')	8	10	03/21/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-55 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-55 (6-8')	6	8	05/29/2013	>Ind SL	>Ind SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-56 (10-12')	10	12	05/29/2013	<Res SL					
GSSB-56 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-57 (18.5-20')	18.5	20	05/29/2013	<Res SL					
GSSB-57 (4-6')	4	6	05/29/2013	<Res SL					
GSSB-58 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-58 (6-8')	6	8	05/29/2013	<Res SL					
GSSB-59 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-59 (6-8')	6	8	05/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-60 (18-20')	18	20	05/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-60 (6-8')	6	8	05/29/2013	<Res SL					
GSSB-61 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-61 (6-8')	6	8	05/29/2013	<Res SL					
GSSB-62 (16-18')	16	18	05/29/2013	<Res SL					
GSSB-62 (6-8')	6	8	05/29/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-63 (18-20')	18	20	05/29/2013	<Res SL					
GSSB-63 (6-8')	6	8	05/29/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-100 (18-20')	18	20	08/26/2013	<Res SL					
GSSB-100 (6-8')	6	8	08/26/2013	<Res SL					
GSSB-101 (12-14')	12	14	08/26/2013	<Res SL					
GSSB-101 (18-20')	18	20	08/26/2013	<Res SL					
GSSB-101 (6-8')	6	8	08/26/2013	<Res SL					
GSSB-109 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSB-109 (4-6')	4	6	10/11/2013	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-110 (1-3')	1	3	10/11/2013	<Res SL					
GSSB-110 (3-5')	3	5	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-111 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-111 (3-5')	3	5	10/11/2013	<Res SL					
GSSB-112 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-112 (3-5')	3	5	10/11/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-113 (1-3')	1	3	10/11/2013	<Res SL					
GSSB-113 (3-5')	3	5	10/11/2013	<Res SL					
GSSB-114 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	>Res SL	>Res SL	<Res SL
GSSB-114 (3-5')	3	5	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-115 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-115 (3-5')	3	5	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-116 (1-3')	1	3	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-116 (3-5')	3	5	10/11/2013	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-128 (16-18')	16	18	09/24/2014	<Res SL					
GSSB-128 (26-28')	26	28	09/24/2014	<Res SL					
GSSB-129 (4-6')	4	6	09/25/2014	>Exc SL	<Res SL	<Res SL	>Ind SL	>Exc SL	<Res SL
GSSB-129 (16-18')	16	18	09/25/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-129 (26-28')	26	28	09/25/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-130 (8-10')	8	10	09/25/2014	<Res SL					
GSSB-130 (10-12')	10	12	09/25/2014	<Res SL					
GSSB-130 (26-28')	26	28	09/25/2014	<Res SL					
GSSB-131 (12-14')	12	14	09/25/2014	<Res SL					
GSSB-133 (18-20')	18	20	09/24/2014	<Res SL					
GSSB-144 (6-8')	6	8	09/25/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-144 (18-20')	18	20	09/25/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-145 (6-8')	6	8	09/25/2014	>Ind SL	<Res SL	<Res SL	>Res SL	>Ind SL	<Res SL
GSSB-145 (18-20')	18	20	09/25/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-146 (14-16')	14	16	10/07/2014	<Res SL					
GSSB-147 (15-17')	15	17	10/07/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-147 (26-28')	26	28	10/07/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-148 (8-10')	8	10	10/07/2014	>Exc SL	<Res SL	<Res SL	>Res SL	>Exc SL	<Res SL
GSSB-148 (18-20')	18	20	10/07/2014	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-149 (6-8')	6	8	10/08/2014	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	<Res SL
GSSB-149 (14-16')	14	16	10/08/2014	<Res SL					
GSSB-151 (4-6')	4	6	10/08/2014	>Exc SL	>Exc SL	<Res SL	>Ind SL	>Exc SL	<Res SL
GSSB-151 (14-16')	14	16	10/08/2014	<Res SL					
GSSB-152 (20-22')	20	22	10/08/2014	<Res SL					
GSSB-153 (20-22')	20	22	10/08/2014	<Res SL					
GSSB-155 (6-8')	6	8	10/09/2014	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	<Res SL
GSSB-155 (14-16')	14	16	10/09/2014	<Res SL					
GSSB-167 (4-6')	4	6	03/23/2015	<Res SL	NA				
GSSB-167 (14-16')	14	16	03/23/2015	<Res SL	NA				
GSSB-168 (8-10')	8	10	03/23/2015	<Res SL	NA				

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan
Subsurface Soil Analytical Summary

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
GSSB-168 (18-20)	18	20	03/23/2015	<Res SL	NA				
GSSB-169 (6-8)	6	8	03/23/2015	>Res SL	<Res SL	<Res SL	>Res SL	<Res SL	NA
GSSB-169 (18-20)	18	20	03/23/2015	<Res SL	NA				
GSSB-170 (4-6)	4	6	03/23/2015	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	NA
GSSB-170 (22-24)	22	24	03/23/2015	<Res SL	NA				
GSSB-171 (6-8)	6	8	03/24/2015	<Res SL	NA				
GSSB-171 (22-24)	22	24	03/24/2015	<Res SL	NA				
GSSB-172 (2-4)	2	4	03/24/2015	>Ind SL	<Res SL	<Res SL	>Ind SL	<Res SL	NA
GSSB-172 (22-24)	22	24	03/24/2015	<Res SL	NA				
GSSB-173 (2-4)	2	4	03/24/2015	>Exc SL	<Res SL	<Res SL	>Exc SL	<Res SL	NA
GSSB-173 (14-16)	14	16	03/24/2015	<Res SL	NA				
GSSB-212 (6-8)	6	8	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-212 (14-16)	14	16	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-213 (4-6)	4	6	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-213 (14-16)	14	16	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-214-6-8	6	8	05/11/2017	<Res SL					
GSSB-214-14-16	14	16	05/11/2017	<Res SL					
GSSB-214-16-18	16	18	05/11/2017	<Res SL					
GSSB-215-4-6	4	6	05/11/2017	<Res SL					
GSSB-215-6-8	6	8	05/11/2017	<Res SL					
GSSB-215-22-24	22	24	05/11/2017	<Res SL					
GSSB-216-4-6	4	6	05/11/2017	>Exc SL	>Res SL	<Res SL	>Exc SL	>Res SL	>Res SL
GSSB-216-14-16	14	16	05/11/2017	<Res SL					
GSSB-217 (6-8)	6	8	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-217 (18-20)	18	20	05/10/2017	<Res SL					
GSSB-218 (6-8)	6	8	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-218 (10-12)	10	12	05/10/2017	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
GSSB-218 (16-18)	16	18	05/10/2017	<Res SL					
GSSB-42 (10-12)	10	12	11/26/2012	<Res SL					
GSSB-42 (18-20)	18	20	11/26/2012	<Res SL					
SESB-1 (4-6)	4	6	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-1 (6-8)	6	8	05/17/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-1 (8-10)	8	10	05/17/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-1 (10-12)	10	12	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-1 (12-14)	12	14	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-1 (14-16)	14	16	05/17/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-1 (16-18)	16	18	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (4-6)	4	6	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (6-8)	6	8	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (8-10)	8	10	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (10-12)	10	12	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (12-14)	12	14	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (14-16)	14	16	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-2 (16-18)	16	18	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-3 (2-4)	2	4	10/27/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL

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Soil Management Plan Subsurface Soil Analytical Summary

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SESB-3 (10-12)	10	12	10/27/2010	<Res SL					
SESB-4 (2-4)	2	4	10/26/2010	<Res SL					
SESB-4 (10-12)	10	12	10/26/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-5 (12-14)	12	14	10/25/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-5 (16-18)	16	18	10/25/2010	<Res SL					
SESB-6 (4-6)	4	6	10/26/2010	<Res SL					
SESB-6 (16-18)	16	18	10/26/2010	<Res SL					
SESB-7 (14-16)	14	16	10/25/2010	<Res SL					
SESB-7 (16-18)	16	18	10/25/2010	<Res SL					
SESB-8 (12-14)	12	14	10/26/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-8 (18-20)	18	20	10/26/2010	<Res SL					
SESB-9 (16-18)	16	18	10/25/2010	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-9 (18-20)	18	20	10/25/2010	<Res SL					
SESB-10 (16-18)	16	18	10/25/2010	<Res SL					
SESB-10 (18)	18	18	10/25/2010	<Res SL					
SESB-11 (4-6)	4	6	05/17/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-11 (6-8)	6	8	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-11 (8-10')	8	10	05/17/2011	>Res SL	NA	<Res SL	NA	>Res SL	NA
SESB-11 (10-12')	10	12	05/17/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-11 (12-14')	12	14	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-11 (14-16')	14	16	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-11 (16-18')	16	18	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12* (14-16')	14	16	10/25/2010	<Res SL					
SESB-12* (16-18')	16	18	10/25/2010	<Res SL					
SESB-12 (4-6)	4	6	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (6-8)	6	8	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (8-10')	8	10	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (10-12')	10	12	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (12-14')	12	14	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (14-16')	14	16	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-12 (16-18')	16	18	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-14 (2-4)	2	4	02/14/2011	>Ind SL	NA	<Res SL	NA	>Ind SL	NA
SESB-14 (10-12)	10	12	02/14/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-15 (2-4)	2	4	02/14/2011	>Res SL	NA	<Res SL	NA	>Res SL	NA
SESB-15 (12-14)	12	14	02/14/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-16 (12-14)	12	14	02/14/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-17 (12-14)	12	14	02/14/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-39-4-6	4	6	07/08/2016	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-39-26-28	26	28	07/08/2016	<Res SL					
SESB-40-4-6	4	6	07/08/2016	<Res SL					
SESB-40-22-24	22	24	07/08/2016	<Res SL					
SESB-41-4-6	4	6	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-41-26-28	26	28	07/08/2016	<Res SL					
SESB-42-2-4	2	4	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-42-26-28	26	28	07/08/2016	<Res SL					

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**Soil Management Plan
Subsurface Soil Analytical Summary**

Soil Boring ID	Start Depth (ft bg)	End Depth (ft bg)	Sample Date	Overall	VOCs	SVOCs	PAHs	Metals	Inorganics
SESB-43-2-4	2	4	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-43-26-28	26	28	07/08/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-20 (12-14)	12	14	02/14/2011	>Res SL	NA	<Res SL	NA	>Res SL	NA
SESB-20 (16-18)	16	18	02/14/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-21 (4-6)	4	6	02/15/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-21 (6-8)	6	8	05/17/2011	>Res SL	NA	<Res SL	NA	>Res SL	NA
SESB-21 (8-10')	8	10	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-21 (10-12')	10	12	05/17/2011	>Res SL	NA	<Res SL	NA	>Res SL	NA
SESB-21 (12-14')	12	14	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-21 (14-16')	14	16	05/17/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-21 (16-18)	16	18	02/15/2011	>Exc SL	NA	<Res SL	NA	>Exc SL	NA
SESB-21 (18-20)	18	20	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-22 (4-6)	4	6	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-22 (16-18)	16	18	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	NA
SESB-23 (4-6)	4	6	02/15/2011	>Res SL	NA	<Res SL	NA	>Res SL	<Res SL
SESB-23 (12-14)	12	14	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	<Res SL
SESB-24 (4-6)	4	6	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	<Res SL
SESB-24 (12-14)	12	14	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	<Res SL
SESB-25 (4-6)	4	6	02/15/2011	>Res SL	NA	<Res SL	NA	>Res SL	<Res SL
SESB-25 (12-14)	12	14	02/15/2011	<Res SL	NA	<Res SL	NA	<Res SL	<Res SL
SESB-27 (18-20')	18	20	06/25/2012	<Res SL					
SESB-28 (14-16')	14	16	06/25/2012	<Res SL					
SESB-28 (6-8)	6	8	06/25/2012	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-29 (8-10')	8	10	06/25/2012	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-29 (14-16')	14	16	06/25/2012	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-30 (4-6)	4	6	06/26/2012	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESB-30 (10-12')	10	12	06/26/2012	<Res SL					
SESB-31 (4-6)	4	6	06/26/2012	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-31 (10-12')	10	12	06/26/2012	>Exc SL	<Res SL	<Res SL	<Res SL	>Exc SL	<Res SL
SESB-32 (12-14')	12	14	06/26/2012	<Res SL					
SESB-33-6-8	6	8	07/06/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-33-28-30	28	30	07/06/2016	<Res SL					
SESB-34-8-10	8	10	07/06/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-34-26-28	26	28	07/06/2016	<Res SL					
SESB-35-8-10	8	10	07/07/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-35-18-20	18	20	07/07/2016	<Res SL					
SESB-36-4-6	4	6	07/07/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-36-26-28	26	28	07/07/2016	<Res SL					
SESB-37-4-6	4	6	07/07/2016	>Res SL	<Res SL	<Res SL	<Res SL	>Res SL	<Res SL
SESB-37-26-28	26	28	07/07/2016	<Res SL					
SESB-38-4-6	4	6	07/07/2016	>Ind SL	<Res SL	<Res SL	<Res SL	>Ind SL	<Res SL
SESB-38-26-28	26	28	07/07/2016	<Res SL					
SETP-1 (15.5-16.5)	15.5	16.5	10/29/2010	<Res SL					
SETP-2 (7-8)	7	8	10/28/2010	<Res SL					

Notes:

- >Res SL = Constituent detected above the 2017 IDEM RCG Residential Direct Contact (DC) Screening Level (SL)
- >Ind SL = Constituent detected above the 2017 IDEM RCG Commercial/Industrial DC SL
- >Exc SL = Constituent detected above the 2017 IDEM RCG Excavation DC SL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Tallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable
			100,000	40	9.5	21,000	220	NE	4,300	77,000	400	2,500	2,100	350	550	66,000	1.1	66,000	550	32,000	3.1	3.1	NE	NE	9.5	9.7	3.4	3.4	NE	100,000	11,000	NE
			100,000	470	30	100,000	2,300	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.7	3.9	3.9	NE	100,000	100,000	NE
			100,000	790	920	100,000	3,800	NE	79,000	100,000	1,000	46,000	39,000	9,800	9,800	100,000	20	100,000	9,800	100,000	3.1	NE	NE	560	33	570	570	NE	100,000	100,000	NE	
4	6	05/08/2013	11,700	<2.2	10.9	60.2	NA	<2.2	14.8	23	17,200	10.5	378	20.1	<2.2	28	<2.2	<2.2	27.8	57.5	<0.23	NA	NA	<0.116	<0.116	<0.116	<0.116	<5.6	<5.8	<5.8	<1.1	
31	32	05/08/2013	5,530	<2.1	4.0	23.2	NA	<2.1	8.4	10.6	15,500	6.7	234	8.8	<2.1	52.1	<2.1	<2.1	19.3	37.1	<0.21	NA	NA	<0.109	<0.109	<0.109	<0.109	<5.2	<5.5	<5.5	0.95	
4	6	05/06/2013	14,500	<2.4	13.7	63.8	NA	<2.4	17	30.1	24,000	10.3	575	20.1	<2.4	9.8	<2.4	<2.4	34.9	61.3	<0.26	NA	NA	<0.0424	<0.0424	<0.0424	<6	<6.1	<6.1	<1.2		
18	20	05/06/2013	7,880	<2	4.2	41.9	NA	<2	9.7	10.4	10,900	4.5	251	11.1	<2	51.3	<2	<2	15.2	24.6	<0.21	NA	NA	<0.109	<0.109	<0.109	18.1	<5.5	<5.5	<1.1		
4	6	05/06/2013	13,900	<2.2	12.2	58.9	NA	<2.2	17.5	21.9	25,700	9.8	363	23.2	<2.2	7	<2.2	<2.2	31.1	70.5	<0.23	NA	NA	<0.122	<0.122	<0.122	<5.8	<6.1	<6.1	<1		
16	18	05/06/2013	7,890	<1.8	5.9	47	NA	<1.8	10.6	14.2	13,500	5.2	311	14.1	<1.8	75.2	<1.8	<1.8	15.9	30.7	<0.22	NA	NA	<0.122	<0.122	<0.122	13.3	<5.3	<5.3	<0.89		
2	4	05/06/2013	12,200	<2.3	7.5	65.9	NA	<2.3	18.2	18.8	16,900	6.2	379	21.6	<2.3	19.8	<2.3	<2.3	25.7	44.5	<0.25	NA	NA	<0.118	<0.118	<0.118	<5.8	<5.9	<5.9	<1.1		
18	20	05/06/2013	9,990	<2	5.6	57.2	NA	<2	12.4	14.3	14,800	5.9	332	15.3	<2	69.1	<2	<2	19	31.4	<0.23	NA	NA	<0.111	<0.111	<0.111	16.1	<5.5	<5.5	<1		
6	8	05/08/2013	8,990	<2.1	7.6	36.2	NA	<2.1	11	13.9	13,000	7.2	906	16.1	<2.1	22	<2.1	<2.1	20.2	36.9	<0.23	NA	NA	<0.574	<0.574	<0.574	<5.3	<5.7	<5.7	<1		
18	20	05/08/2013	7,360	<2.2	6.1	47.9	NA	<2.2	10.3	13.4	13,400	5.2	301	14.1	<2.2	76.6	<2.2	<2.2	15.5	32.6	<0.21	NA	NA	0.135	<0.108	<0.108	11.4	<5.4	<5.4	<0.95		
10	12	05/08/2013	4,200	<2.2	4.9	30.1	NA	<2.2	7.1	6.7	8,320	4.2	141	7.8	<2.2	13.3	<2.2	<2.2	13.8	21.8	<0.23	NA	NA	<0.604	<0.604	<0.604	23.5	<6.1	<6.1	<1.2		
18	20	05/08/2013	6,750	<2	5.4	36.7	NA	<2	8.4	13.5	13,100	6.2	321	13.2	<2	69.1	<2	<2	12.7	31.9	<0.22	NA	NA	<0.0377	<0.0377	<0.0377	54.4	<5.4	<5.4	<0.98		
4	6	05/07/2013	3,840	<2.4	5.9	58.4	NA	<2.4	5.6	17.1	6,510	13.1	191	9.4	<2.4	71	<2.4	2.5	8.4	45.7	0.25	NA	NA	<0.125	<0.125	<0.125	<6.2	<6.3	<6.3	10		
6	8	05/07/2013	7,560	<2.2	5.6	53.4	NA	<2.2	11.9	12.1	13,100	6.7	216	12.2	<2.2	9	<2.2	<2.2	19.4	40.3	<0.25	NA	NA	<0.121	<0.121	<0.121	<5.7	<6	<6	<1.2		
22	24	05/07/2013	7,220	<2.2	10.1	21.8	NA	<2.2	9.6	15.8	13,900	7.4	308	16.6	<2.2	55.5	<2.2	<2.2	14.5	41.4	<0.22	NA	NA	<0.111	<0.111	<0.111	73.6	<5.6	<5.6	<0.97		
4	6	05/06/2013	6,270	<2	7.4	25.1	NA	<2	9.2	15.2	11,700	5.5	311	14.6	<2	73.4	<2	<2	17.9	40.7	<0.24	NA	NA	NA	NA	NA	<5.4	<5.6	<5.6	<0.94		
22	24	05/06/2013	3,170	<2.1	5.4	14.6	NA	<2.1	6	13.6	7,640	3.7	233	9.1	<2.1	139	<2.1	<2.1	9.1	22.2	<0.23	NA	NA	<0.112	<0.112	<0.112	4.9	<5.6	<5.6	<1		
12	14	05/08/2013	2,720	<1.8	7.3	13.1	NA	<1.8	5.6	11.8	8,320	4.9	292	7.9	<1.8	116	<1.8	<1.8	9.3	23	<0.23	NA	NA	<0.107	<0.107	<0.107	<5.1	<5.4	<5.4	<0.98		
24	28	05/08/2013	2,790	<2.1	11.2	13.9	NA	<2.1	5.3	12.1	14,500	4.4	288	9.2	<2.1	96.3	<2.1	<2.1	14.7	42.9	<0.22	NA	NA	<0.111	<0.111	<0.111	<5.3	<5.6	<5.6	<0.97		
8	10	05/08/2013	5,350	<2.1	4.2	29.8	NA	<2.1	6.7	11.1	8,430	3.9	190	8.5	<2.1	68.2	<2.1	<2.1	11.3	29.4	<0.21	NA	NA	<0.109	<0.109	<0.109	<5.3	<5.5	<5.5	<1		
18	20	05/08/2013	7,560	<2.1	6.3	42.9	NA	<2.1	9.8	15.5	13,500	5	329	14.3	<2.1	72.9	<2.1	<2.1	15.6	30	<0.22	NA	NA	<0.111	<0.111	<0.111	16.7	<5.5	<5.5	<1		
6	8	05/09/2013	3,470	<2.2	7.0	35.5	NA	<2.2	6.6	22.1	11,500	30	359	9.6	<2.2	67.5	<2.2	2.2	11.2	220	<0.22	NA	NA	<0.116	<0.116	<0.116	8.4	<5.8	<5.8	<1.1		
22	24	05/09/2013	6,040	<1.9	5.7	35.8	NA	<1.9	7.8	14	14,800	5.7	306	12.9	<1.9	76.9	<1.9	<1.9	12.4	33.6	<0.23	NA	NA	<0.107	<0.107	<0.107	47.7	<5.4	<5.4	<1		
6	8	05/07/2013	8,470	<2.2	8.7	58.9	NA	<2.2	12.5	33	18,200	37.9	346	15	<2.2	28.2	<2.2	3.6	19.4	89	2.1	NA	NA	<0.6	<0.6	<0.6	6.1	<6	<6	<1.1		
22	24	05/07/2013	5,240	<2.1	4.1	34.3	NA	<2.1	5.7	10.5	9,290	4.1	280	9.9	<2.1	109	<2.1	<2.1	8.3	23.1	<0.22	NA	NA	<0.107	<0.107	<0.107	70	<5.4	<5.4	<0.9		
12	14	05/09/2013	2,880	<1.9	5.1	9.8	NA	<1.9	4.6	12.3	9,490	3.8	462	8.2	<1.9	81.6	<1.9	<1.9	8.9	25	<0.21	NA	NA	<0.109	<0.109	<0.109	<5.3	<5.5	<5.5	<0.96		
22	24	05/09/2013	8,770	<2	2.9	38.7	NA	<2	10.8	16.9	13,800	7.6	394	22	<2	52.8	<2	<2	16.9	40.9	<0.23	NA	NA	<0.111	<0.111	<0.111	92.2	<5.5	<5.5	<1.1		
31	5	05/09/2013	11,500	<2.4	10.6	71.6	NA	<2.4	17.1	16.3	33,100	11.4	226	16.5	<2.4	9.8	<2.4	2.4	31.1	62.6	<0.25	NA	NA	<0.119	<0.119	<0.119	<5.9	<6	<6	<1		
18	20	05/09/2013	3,440	<1.8	3.7	22.2	NA	<1.8	5.5	10.5	7,430	3.5	216	8.3	<1.8	74.6	<1.8	<1.8	9.3	20.6	<0.22	NA	NA	<0.109	<0.109	<0.109	11.7	<5.4	<5.4	<0.95		
4	6	05/07/2013	2,190	<2	4	14.7	NA	<2	6	8.6	5,660	5.4	189	6.3	<2	81.7	<2	<2	7.1	22.8	<0.21	NA	NA	<0.105	<0.105	<0.105	<5	<5.2	<5.2	<0.88		
20	22	05/07/2013	4,590	<2.1	3.6	29.2	NA	<2.1	8	11.6	9,580	4.4	239	11	<2.1	80.4	<2.1	<2.1	10.5	25.8	<0.21	NA	NA	<0.109	<0.109	<0.109	13.2	<5.5	<5.5	<0.91		
6	8	05/07/2013	1,610	<2	2.3	8.4	NA	<2	3.5	5.1	4,900	2.3	177	4.5	<2	57	<2	<2	7.3	12.1	<0.22	NA	NA	<0.109	<0.109	<0.109	<5.4	<5.5	<5.5	<1		
24	28	05/07/2013	2,010	<2	9.8	7.6	NA	<2	4.7	11	5,960	2.7	168	8.8	<2	83.9	<2	<2	6.1	16.3	<0.23	NA	NA	<0.111	<0.111	<0.111	<5.2	<5.5	<5.5	<1.1		
6	8	05/08/2013	8,700	<2.3	9.5	34.6	NA	<2.3	11.2	16.6	16,500	7.4	335	19.1	<2.3	37.7	<2.3	<2.3	24	55.9	<0.23	NA	NA	<0.118	<0.118	<0.118	<5.8	<5.9	<5.9	<1		
16	18	05/08/2013	5,550	<2.1	2.7	23.4	NA	<2.1	7.3	10.9</																						

Sample Date	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	4-Chloroaniline	Aerophylene				
05/21/2013	2.1	220	180	28,000	910	85,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	1,800	335	4,500	NE	38	5,000	NE	1.22			
05/09/2013	0.0039	<0.0042	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039		
05/09/2013	0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	
05/09/2013	0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	
05/09/2013	0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	
05/09/2013	0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	
05/15/2013	0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	0.01	<0.0076	<0.0038	<0.0038	<0.0038	0.0998	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
05/15/2013	0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
05/09/2013	0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039
05/09/2013	0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034
05/09/2013	0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
05/21/2013	0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.00215	<0.0037	<0.0037	<0.0037	0.121	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
05/21/2013	0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0079	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
05/10/2013	0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	0.0735	<0.0092	<0.0046	<0.0046	0.0693	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
05/10/2013	0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0092	<0.0046	<0.0046	0.0054	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0092	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046
05/10/2013	0.138	0.182	<0.138	<0.689	<0.138	<2.75	0.0918	<0.275	<0.138	<0.138	21.8	<0.138	<0.138	<0.138	<0.138	<0.138	<0.275	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138	<0.138
05/10/2013	<0.0045	<0.0045	<0.0045	<0.0223	<0.0045	<0.0892	<0.0045	<0.0089	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0089	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045
05/10/2013	<0.004	<0.004	<0.004	<0.0202	<0.004	<0.0807	<0.004	<0.0081	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0081	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
05/10/2013	<0.004	<0.004	<0.004	<0.0198	<0.004	<0.0793	<0.004	<0.0079	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0079	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
05/10/2013	<0.0036	<0.0036	<0.0036	<0.0178	<0.0036	<0.0713	<0.0036	<0.0071	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0071	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036
05/10/2013	<0.126	2.94	1.0	<0.629	<0.126	<2.51	1.61	0.785	3.33	0.69	145	<0.126	<0.126	<0.126	<0.126	<0.126	<0.215	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126	<0.126
05/10/2013	<0.0077	0.0296	0.0095	<0.0386	<0.0077	<0.154	2.21	<0.0154	0.134	<0.0077	0.0308	26.3	<0.0077	<0.0077	0.0248	<0.0077	0.179	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077	<0.0077
05/14/2013	<0.241	0.615	0.349	<1.2	<0.241	<4.82	0.623	<0.482	0.431	<0.241	<0.963	73	<0.241	<0.241	<0.241	<0.241	0.949	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241	<0.241
05/14/2013	<0.19	0.949	0.338	<0.95	<0.19	<3.8	1.32	<0.38	2.09	<0.19	<0.76	39.9	<0.19	<0.19	0.872	<0.19	2.21	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19	<0.19
05/14/2013	<0.144	4.83	2.27	<0.719	<0.144	<3.88	1.92	<0.288	6.43	1.25	<0.575	123	<0.144	<0.144	<0.144	<0.144	3.46	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144	<0.144
05/14/2013	<0.0037	0.0074	0.0045	<0.0187	<0.0037	<0.0748	0.0039	<0.0075	0.0061	<0.0037	<0.015	0.192	<0.0037	<0.0037	<0.0037	<0.0037	<0.0075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
05/10/2013	<0.448	7.01	3.45	<2.24	<0.448	<8.95	3.37	<0.895	5.04	0.665	<1.79	412	<0.448	<0.448	0.46	<0.448	7.69	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448
05/10/2013	<0.0042	<0.0042	<																													

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable	
30	32	05/21/2013	7,960	<2.1	8.8	39.1	NA	<2.1	9.6	15.2	13,400	6.1	377	15.6	<2.1	64.6	<2.1	<2.1	15.3	35.6	<0.21	NA	NA	NA	<0.112	<0.112	<0.112	112	<5.6	<5.6	<1.7	<1.7	
10	10	05/09/2013	11,900	<2.3	11	60.4	NA	<2.3	20.3	18.8	20,100	11.1	250	20.5	<2.3	9.6	<2.3	<2.3	32.5	58.6	<0.22	NA	NA	NA	<0.114	<0.114	<0.114	<5.7	<5.8	<5.8	<1.1	<1.1	
30	32	05/09/2013	13,100	<2.2	22.8	35	NA	<2.2	16	14.5	16,300	11.6	216	16.3	<2.2	20.6	<2.2	<2.2	25.6	38.8	<0.23	NA	NA	NA	<0.112	<0.112	<0.112	575	<5.6	<5.6	<1.1	<1.1	
10	12	05/09/2013	2,830	<2	4.6	11.8	NA	<2	6.1	8.2	6,520	3.7	229	7.4	<2	68.1	<2	<2	10.5	20.4	<0.23	NA	NA	NA	<0.115	<0.115	<0.115	5.6	<5.7	<5.7	<1	<1	
30	32	05/09/2013	13,000	<2.3	9.5	137	NA	<2.3	16.5	17	22,000	8.5	404	21.3	<2.3	14.6	<2.3	<2.3	25.9	55.4	<0.22	NA	NA	NA	<0.116	<0.116	<0.116	1,050	<5.8	<5.8	<1.1	<1.1	
8	10	05/15/2013	3,550	<2	7.3	22.6	NA	<2	6.8	94.9	19,200	90.1	291	8	<2	51.6	<2	<2	13.5	22.4	<0.22	NA	NA	NA	<0.579	<0.579	<0.579	6.8	<5.8	<5.8	<1	<1	
27	28	05/15/2013	5,070	<2.1	5.1	25.9	NA	<2.1	10.4	9.8	8,760	4.1	219	8.9	<2.1	57.7	<2.1	<2.1	12.7	19.9	<0.23	NA	NA	NA	<0.113	<0.113	<0.113	41	<5.7	<5.7	<1.1	<1.1	
8	10	05/09/2013	2,520	<1.9	3.4	11.4	NA	<1.9	5.3	7	5,940	2	195	6.2	<1.9	44.3	<1.9	<1.9	9.8	18.6	<0.22	NA	NA	NA	<0.112	<0.112	<0.112	<5.2	<5.7	<5.7	<0.94	<0.94	
10	12	05/09/2013	4,440	<2	6	20.4	NA	<2	6.5	10.6	9,250	4.1	340	8.7	<2	61.2	<2	<2	12.4	27.3	<0.22	NA	NA	NA	<0.113	<0.113	<0.113	<5.6	<5.7	<5.7	<1.1	<1.1	
22	24	05/09/2013	8,750	<2	5.6	49.7	NA	<2	12.9	14.6	14,400	5.3	317	15.3	<2	65.4	<2	<2	17.6	44.6	<0.23	NA	NA	NA	<0.111	<0.111	<0.111	164	<5.5	<5.5	<1.1	<1.1	
8	10	05/21/2013	10,700	<2.1	7.5	54.2	NA	<2.1	13.6	17.2	15,100	7.4	329	17.1	<2.1	8.3	<2.1	<2.1	26.1	58.1	<0.24	1,080	155	<0.122	<0.122	<0.122	12	<6.1	<6.1	<1.9	<1.9		
22	24	05/21/2013	8,130	<1.9	4.7	45.8	NA	<1.9	11.6	12	12,400	4.8	287	14.3	<1.9	58.1	<1.9	<1.9	15.6	24.8	<0.23	17.3	<0.79	<0.111	<0.111	<0.111	147	<5.5	<5.5	<1.6	<1.6		
12	14	05/10/2013	10,500	<2.3	5.5	92.1	NA	<2.3	13.5	14.2	13,600	10.9	187	13.1	<2.3	11	<2.3	<2.3	24.6	51.3	<0.24	NA	NA	NA	<0.123	<0.123	<0.123	1,020	<6.1	<6.1	36.7	36.7	
30	32	05/10/2013	8,530	<2.1	9.7	51.4	NA	<2.1	16.6	18.1	19,900	8.1	342	22.7	<2.1	45.7	<2.1	<2.1	23.7	51.7	<0.22	NA	NA	NA	<0.11	<0.11	<0.11	<5.2	<5.5	<5.5	<1	<1	
14	16	05/10/2013	10,300	<2.4	7.8	59.3	NA	<2.4	14.5	11.3	12,800	6.4	223	12.8	<2.4	29.6	<2.4	<2.4	20.8	40.5	<0.24	NA	NA	NA	<0.618	<0.618	<0.618	1,800	<6.1	<6.1	<1.1	<1.1	
4	6	05/10/2013	14,400	<2.2	17	82.9	NA	<2.2	20.8	27.9	27,800	13.7	641	30.4	<2.2	10	<2.2	<2.2	34.7	78.1	<0.24	NA	NA	NA	<0.122	<0.122	<0.122	<5.9	<6.1	<6.1	<1.2	<1.2	
26	28	05/10/2013	8,070	<2	6.2	53.5	NA	<2	12.6	16.3	13,600	5.4	290	16.7	<2	78.2	<2	<2	16.3	34.7	<0.22	NA	NA	NA	<0.0385	<0.0385	<0.0385	18.2	<5.5	<5.5	<0.96	<0.96	
10	12	05/10/2013	5,530	<1.9	3.2	22.6	NA	<1.9	9.8	11.3	9,980	4	282	13.8	<1.9	30.4	<1.9	<1.9	14.6	35.3	<0.24	NA	NA	NA	<0.569	<0.569	<0.569	35.4	<5.7	<5.7	<0.95	<0.95	
18	20	05/10/2013	8,500	<2.1	7.2	43.4	NA	<2.1	9.6	17.8	14,800	7.4	314	17.8	<2.1	58.3	<2.1	<2.1	15.9	41.9	<0.22	NA	NA	NA	<0.11	<0.11	<0.11	114	<5.5	<5.5	<0.92	<0.92	
12	14	05/10/2013	4,180	<2.6	13.3	26.5	NA	<2.6	17.4	52	33,500	44	204	20	<2.6	28.8	<2.6	<2.6	7.9	18	71.7	1.9	NA	NA	<1.33	<1.33	<1.33	250	<6.6	<6.6	5.1	5.1	
27	28	05/10/2013	8,680	<2	5.4	27.1	NA	<2	12.8	20.1	13,200	6.2	301	18.4	<2	65.8	<2	<2	20.8	35.2	<0.22	NA	NA	NA	<0.11	<0.11	<0.11	226	<5.5	<5.5	<1	<1	
12	14	05/14/2013	9,400	<2	3.4	63.6	NA	<2	14.5	16.5	12,000	9.1	126	14.5	<2	15.3	<2	<2	23.3	54	<0.26	NA	NA	NA	<0.605	<0.605	<0.605	1,270	<6.1	<6.1	7.2	7.2	
26	28	05/14/2013	9,120	<1.8	10.4	66.4	NA	<1.8	13.4	17.6	24,500	8.7	293	21.3	<1.8	63.3	<1.8	<1.8	23.9	52.3	<0.21	NA	NA	NA	<0.108	<0.108	<0.108	428	<5.4	<5.4	2.3	2.3	
6	8	05/14/2013	5,720	<2.1	10	21.8	NA	<2.1	9.2	18	13,200	6	350	17.4	<2.1	60.3	<2.1	<2.1	19.5	46.7	<0.24	NA	NA	NA	<0.601	<0.601	<0.601	589	<6	<6	2.2	2.2	
26	28	05/14/2013	10,500	<2.2	4.7	61.2	NA	<2.2	14.5	18.5	14,500	7.9	302	17.9	<2.2	81.7	<2.2	<2.2	19.7	46	<0.21	NA	NA	NA	<0.0391	<0.0391	<0.0391	552	<5.6	<5.6	<0.98	<0.98	
8	10	05/10/2013	11,300	<2.1	7.2	48.6	NA	<2.1	14.6	23.2	19,200	9.3	355	28.3	<2.1	12.8	<2.1	<2.1	27.6	70	<0.27	NA	NA	NA	<0.623	<0.623	<0.623	299	<6.3	<6.3	6.2	6.2	
18	20	05/10/2013	9,930	<2	5.6	58.1	NA	<2	13.5	14.4	14,300	5.9	295	15.1	<2	54.7	<2	<2	18.4	31.5	<0.23	NA	NA	NA	<0.111	<0.111	<0.111	114	<5.5	<5.5	<1.1	<1.1	
6	8	05/20/2013	7,450	<2.2	4.3	58.3	NA	<2.2	12.5	14.6	15,600	7.9	263	15.1	<2.2	14.3	<2.2	<2.2	19.9	43.7	<0.25	NA	NA	NA	<0.122	<0.122	<0.122	529	<6.1	<6.1	<1.8	<1.8	
22	24	05/20/2013	10,100	<2	5.5	40.9	NA	<2	11.1	14.9	11,300	7.3	243	14.8	<2	54.8	<2	<2	19.5	41.3	<0.23	NA	NA	NA	<0.0382	<0.0382	<0.0382	359	<5.5	<5.5	<1.7	<1.7	
8	10	05/20/2013	4,910	<2.4	15.9	24.1	NA	<2.4	47.9	30.2	70,100	54	420	12.6	<2.4	30.5	<2.4	<2.4	7.9	28.9	105	1.3	NA	NA	<0.125	<0.125	<0.125	129	<6.3	<6.3	2.2	2.2	
8	10	05/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1,660	167	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	24	05/20/2013	10,100	<2.1	3.9	61.2	NA	<2.1	10.9	15.1	14,300	9.8	377	14.8	<2.1	50	<2.1	<2.1	21.4	33.5	<0.22	NA	NA	NA	<0.108	<0.108	<0.108	178	6	<5.4	<1.5	<1.5	
22	24	05/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.72	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
10	12	05/13/2013	7,210	<2.5	10.1	65.4	NA	2.9	11.3	23.6	18,300	48.6	184	12.3	<2.5	32.2	<2.5	4.4	19	143	0.57	NA	NA	<0.645	<0.645	<0.645	650	8.7	<6.5	4.2	4.2		
30	32	05/13/2013	7,320	<1.9	6.8	28	NA	<1.9	11.3	16.5	15,400	6	388	18.3	<1.9	63.5	<1.9	<1.9	15.7	40.8	<0.24	NA	NA	NA	<0.112	<0.112	<0.112	84.5	<5.6	<5.6	<0.93	<0.93	
10	12	05/22/2013	12,800	<2.4	12	95.7	NA	<2.4	18.2	15.6	22,900	9.2	148	19.8	<2.4	11.7	<2.4	<2.4	30.9	71.4	<0.25	1,290	27.4	<0.63	<0.63	<0.6							

Sample Date	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	4-Chloroaniline	Aenaphthene	Aenaphthylene
Contact	2.1	220	180	28,000	910	85,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	150	180	NE	1,800	335	4,500	38	5,000	NE
Contact	6.3	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	95	260	110	140	260	NE	150	180	NE	16,000	3,010	41,000	110	45,000	NE
Contact	35	220	180	28,000	910	100,000	1,800	740	480	270	3,500	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	34,000	6,740	87,000	6,000	100,000	NE
05/13/2013	<0.435	11.9	1.53	<2.17	<0.435	<8.69	2.73	<0.869	23.6	6.9	<1.74	359	<0.435	<0.435	5.46	11.5	<0.435	10	<0.435	10	3.36	4.98	0.533	BRL	<4.74	80	<4.74	<9.48	28.2	<4.74
05/13/2013	<0.2	<0.2	<0.2	<0.998	<0.2	<3.99	<0.2	<0.399	<0.2	<0.2	<0.798	0.317	<0.2	<0.2	<0.2	<0.2	<0.399	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	BRL	<0.358	<0.358	<0.716	0.57	<0.358	
05/14/2013	<0.103	<0.103	<0.103	<0.516	<0.103	<2.06	0.113	<0.206	0.113	<0.103	<0.413	3.35	<0.103	<0.103	<0.103	<0.103	<0.206	<0.103	<0.103	<0.103	<0.103	<0.103	<0.103	BRL	<0.365	0.55	<0.365	0.762	<0.365	
05/14/2013	<0.118	2.58	0.94	<0.588	<0.118	<2.35	2.22	<0.235	13.1	0.999	<0.471	36.7	<0.118	<0.118	4	<0.118	4	<0.118	0.388	0.14	<0.118	<0.118	<0.118	BRL	<0.359	0.539	<0.359	0.717	<0.359	
05/21/2013	<0.0048	<0.0048	<0.0048	<0.024	<0.0048	<0.0959	<0.0048	<0.0096	<0.0048	<0.0048	<0.0192	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	BRL	<3.89	<3.89	<3.89	<7.77	<3.89	
05/21/2013	<0.0041	<0.0041	<0.0041	<0.0203	<0.0041	<0.081	<0.0041	<0.0081	<0.0041	<0.0041	<0.0162	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	BRL	<0.345	<0.345	<0.345	<0.69	0.547	
05/15/2013	<0.0046	<0.0046	<0.0046	<0.0228	<0.0046	<0.0971	<0.0046	<0.0091	<0.0046	<0.0046	<0.0182	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0091	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	BRL	<0.407	<0.407	<0.407	<0.814	<0.407	
05/15/2013	<0.0041	<0.0041	<0.0041	<0.0204	<0.0041	<0.0871	<0.0041	<0.0082	<0.0041	<0.0041	<0.0163	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	BRL	<0.361	<0.361	<0.361	<0.721	<0.361	
05/22/2013	<0.0042	<0.0042	<0.0042	<0.021	<0.0042	<0.0838	0.005	<0.0084	1.48	<0.0042	<0.0168	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	8.91	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	BRL	<3.79	35.8	<3.79	<7.59	7.4	
05/22/2013	<0.0042	<0.0042	<0.0042	<0.022	<0.0042	<0.0889	7.29	<0.0042	<0.0042	<0.0042	<0.0188	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	8.91	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	BRL	<3.79	35.8	<3.79	<7.59	7.4	
05/12/2013	<0.227	7.8	3.22	<1.13	<0.227	4.54	0.89	7.44	0.766	<0.227	<0.0889	109	<0.227	0.911	<0.227	0.911	<0.227	<0.227	<0.227	0.395	0.416	0.362	BRL	<0.364	<0.364	<0.364	<0.728	<0.364		
05/15/2013	<0.0037	<0.0037	<0.0037	<0.0185	<0.0037	<0.0741	<0.0037	<0.0074	<0.0037	<0.0037	<0.0148	0.0042	<0.0037	<0.0037	<0.0037	<0.0037	<0.0074	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	BRL	<14.2	<14.2	<14.2	<28.5	<14.2	
05/16/2013	<0.0047	0.182	0.0186	<0.0234	<0.0047	<0.0938	0.0877	0.0106	0.083	0.0105	<0.0188	47.4	<0.0047	0.046	<0.0047	0.046	0.121	0.0362	<0.0047	0.0242	0.0068	0.008	<0.0047	BRL	<1.93	<1.93	<1.93	<3.86	9.47	
05/16/2013	<0.0039	<0.0039	<0.0039	<0.0194	<0.0039	<0.0774	<0.0039	<0.0077	<0.0039	<0.0039	<0.0155	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0077	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	BRL	<0.361	<0.361	<0.361	<0.721	<0.361	
05/16/2013	<0.0049	<0.0049	<0.0049	<0.0245	<0.0049	<0.0981	<0.0049	<0.0098	<0.0049	<0.0049	<0.0196	0.0223	<0.0049	<0.0049	<0.0049	<0.0049	<0.0098	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	BRL	<2.22	3.68	<2.22	4.44	12.3	
05/16/2013	<0.0065	<0.0065	<0.0065	<0.0324	<0.0065	<0.129	<0.0065	<0.0129	<0.0065	<0.0065	<0.0259	0.014	<0.0065	<0.0065	<0.0065	<0.0065	<0.0129	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	BRL	<1.95	7.3	<1.95	<3.9	<1.95	
05/16/2013	<0.004	<0.004	<0.004	<0.0202	<0.004	<0.081	0.186	<0.0081	0.0055	0.0232	<0.0162	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0081	0.042	<0.004	0.0418	<0.004	0.0207	<0.004	BRL	<0.404	5.61	<0.404	<8.08	2.02	
05/16/2013	<0.0043	<0.0043	<0.0043	<0.0214	<0.0043	<0.0855	<0.0043	<0.0085	<0.0043	<0.0043	<0.0171	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0085	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	BRL	<0.368	<0.368	<0.368	<0.737	<0.368	
05/21/2013	<0.0041	0.0059	<0.0041	<0.0205	<0.0041	<0.0821	0.0096	<0.0082	<0.0041	0.0101	<0.0164	0.0947	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	0.0111	<0.0041	<0.0041	<0.0041	0.0074	<0.0041	BRL	<0.391	<0.391	<0.391	<0.782	1.22	
05/22/2013	<0.0041	<0.0041	<0.0041	<0.0206	<0.0041	<0.0823	<0.0041	<0.0082	<0.0041	<0.0041	<0.0165	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	BRL	<0.365	<0.365	<0.365	<0.73	<0.365	
05/17/2013	0.0133	0.0394	0.0142	<0.018	<0.0036	<0.0719	0.0873	<0.0072	2.86	0.0756	<0.0144	360	<0.0036	<0.0036	0.0652	0.0485	0.0652	0.0485	<0.0036	0.0452	0.0165	0.0224	<0.0036	BRL	<3.72	36.3	<3.72	<7.43	6.86	
05/17/2013	<0.0051	<0.0051	<0.0051	<0.0253	<0.0051	<0.101	<0.0051	<0.0101	<0.0051	<0.0051	<0.0202	<0.0076	<0.0051	<0.0051	<0.0051	<0.0051	<0.0101	0.005	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	BRL	<0.374	<0.374	<0.374	<0.748	<0.374	
05/16/2013	<0.0036	<0.0036	<0.0036	<0.018	<0.0036	<0.0719	<0.0036	<0.0072	<0.0036	<0.0036	<0.0144	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0072	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	BRL	<0.372	<0.372	<0.372	<0.744	<0.372	
05/16/2013	<0.0037	<0.0037	<0.0037	<0.0187	<0.0037	<0.0747	<0.0037	<0.0075	<0.0037	<0.0037	<0.0149	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0075	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	BRL	<0.365	<0.365	<0.365	<0.731	<0.365	
05/17/2013	<0.0055	<0.0055	<0.0055	<0.0274	<0.0055	<0.11	<0.0055	<0.011	<0.0055	<0.0055	<0.0219	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.011	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	BRL	<0.357	<0.357	<0.357	<0.715	4.14	
05/17/2013	<0.0038	<0.0038	<0.0038	<0.019	<0.0038	<0.076	<0.0038	<0.0076	<0.0038	<0.0038	<0.0152	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	BRL	<0.419	<0.419	<0.419	<0.838	<0.419	
05/20/2013	<0.0036	0.0362	<0.0036	<0.0178	<0.0036	<0.0713	0.27	<0.0071	0.036	0.005	<0.0143	3.25	<0.0036	0.208	<0.0036	0.136	0.005	<0.0036	<0.0036	0.0043	<0.0036	<0.0036	<0.0036	BRL	<0.363	1.83	<0.363	<0.725	<0.363	
05/20/2013	<0.0035	<0.0035	<0.0035	<0.0173	<0.0035	<0.0692	<0.0035	<0.0069	<0.0035	<0.0035	<0.0138	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0069	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	BRL	<0.365	<0.365	<0.365	<0.73		

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable
2	4	05/13/2013	6,360	<2.6	9.9	49	NA	<2.6	16	679	36,800	109	348	48.7	<2.6	29.8	<2.6	6.6	15.5	126	<0.29	NA	NA	NA	<1.44	<1.44	<1.44	39.3	<7.2	<7.2	2.8	NE
26	26	05/13/2013	7,400	<2	6.6	28.7	NA	<2	10.9	13.4	17,700	5.2	502	16.6	<2	83.8	<2	<2	15.1	43.7	<0.21	NA	NA	NA	<0.109	<0.109	<0.109	141	<5.4	<5.4	<1	NE
16	18	05/14/2013	5,850	<1.9	4.3	27.9	NA	<1.9	10.6	16.3	11,700	5.4	292	15.7	<1.9	79	<1.9	<1.9	16.6	40.9	<0.22	NA	NA	NA	<0.111	<0.111	<0.111	<5.3	<5.3	<5.3	<0.92	NE
41	42	05/14/2013	5,770	<1.9	5.6	27.8	NA	<1.9	9.2	12.1	12,100	4.3	780	13.2	<1.9	71.6	<1.9	<1.9	14.5	29.3	<0.23	NA	NA	NA	<0.108	<0.108	<0.108	6.9	NA	NA	<0.91	NE
6	8	05/21/2013	5,990	<2.2	8.9	44.2	NA	<2.2	10	23.6	11,900	36.7	252	12.6	<2.2	113	<2.2	3.2	16.2	68.7	0.7	NA	NA	NA	<0.117	<0.117	<0.117	27.1	<5.9	<5.9	<1.8	NE
22	24	05/21/2013	8,370	<1.8	6.5	45.9	NA	<1.8	12.7	17.5	13,500	5.8	309	15.9	<1.8	64.8	<1.8	<1.8	16.3	35.3	0.29	NA	NA	NA	<0.105	<0.105	<0.105	31.7	<5.3	<5.3	<1.5	NE
4	6	05/15/2013	2,590	<2.1	5.3	79.8	NA	<2.1	4.3	4.8	12,800	95.1	21.5	2.5	<2.1	14	<2.1	2.6	11	13.1	<0.24	NA	NA	NA	<0.123	<0.123	<0.123	151	<6.2	<6.2	55.6	NE
26	28	05/15/2013	10,900	<1.9	4.5	53	NA	<1.9	13.9	15.4	14,700	5.8	313	14.9	<1.9	56	<1.9	<1.9	20.6	33.5	<0.23	NA	NA	NA	<0.109	<0.109	<0.109	159	<5.5	<5.5	<0.96	NE
14	16	05/22/2013	11,900	<2.1	11.7	69.8	NA	<2.1	16.7	13.5	32,800	5.8	152	18.5	<2.1	10.1	<2.1	<2.1	29	59.8	1.5	NA	NA	NA	<0.581	<0.581	<0.581	40.5	<5.8	<5.8	5.7	NE
26	28	05/22/2013	7,500	<1.9	6.1	25.2	NA	<1.9	13.2	15.9	15,400	6.5	352	23	<1.9	65.9	<1.9	<1.9	17.2	39	<0.22	NA	NA	NA	<0.111	<0.111	<0.111	66.4	<5.5	<5.5	3.1	NE
4	6	05/15/2013	331	<2.8	3.3	86.2	NA	3	5.9	39.6	4,850	480	132	6	<2.8	26.2	<2.8	18.8	3	20.4	<28.2	NA	NA	NA	<0.721	<0.721	<0.721	46.7	<7.2	<7.2	5	NE
16	18	05/15/2013	4,680	<2	3.6	21.4	NA	<2	6.5	10.9	8,840	4.5	235	9.8	<2	71.8	<2	<2	10.9	53	<0.2	NA	NA	NA	<0.107	<0.107	<0.107	24.5	<5.4	<5.4	<0.89	NE
14	16	05/16/2013	10,700	<2	4.8	17.4	NA	4.8	31.1	58.7	40,900	4.4	775	50.6	<2	41.3	<2	2.1	18.6	490	<0.25	NA	NA	NA	<0.587	<0.587	<0.587	63.7	<5.9	<5.9	<1.8	NE
30	32	05/16/2013	6,950	<1.8	4.7	36.9	NA	<1.8	10.9	13.7	11,700	5.1	331	15.5	<1.8	65.6	<1.8	<1.8	15.8	35.4	<0.23	NA	NA	NA	<0.109	<0.109	<0.109	40.6	<5.4	<5.4	<1.7	NE
4	6	05/16/2013	4,190	<2.2	11.5	118	NA	4.4	15.8	101	18,200	129	33.5	23.1	4.2	<2.2	9.2	<2.2	10.6	14.5	72.3	0.92	NA	NA	<1.34	<1.34	<1.34	23.4	<6.8	<6.8	<3.6	NE
4	6	05/16/2013	2,770	<2.1	5	14.5	NA	<2.1	10.4	12.2	7,190	6.1	234	9.8	<2.1	84.5	<2.1	<2.1	9.4	26	<0.23	NA	NA	NA	<0.117	<0.117	<0.117	14.1	<5.9	<5.9	<1.7	NE
10	12	05/16/2013	11,600	<2.2	4.7	97.4	NA	<2.2	17.2	16.3	16,900	9.4	306	16.6	<2.2	11.8	<2.2	<2.2	27.3	56.6	<0.23	NA	NA	NA	<0.122	<0.122	<0.122	161	<6.1	<6.1	<1.7	NE
26	28	05/16/2013	10,900	<2.2	9.6	75.7	NA	<2.2	16.5	20.2	29,000	10.4	234	25.4	<2.2	27.6	<2.2	<2.2	24.5	63	<0.21	NA	NA	NA	<0.112	<0.112	<0.112	<5.5	<5.6	<5.6	<1.7	NE
8	10	05/21/2013	16,500	<2.4	10.6	77.4	NA	<2.4	20.9	20.3	22,100	10.9	119	22.9	<2.4	10.2	<2.4	2.6	40.2	68	<0.24	NA	NA	NA	<0.12	<0.12	<0.12	31.3	6.7	<6	<1.9	NE
30	32	05/22/2013	6,520	<2.2	3.2	56.1	NA	<2.2	11.9	16.5	12,000	9	256	14.3	<2.2	64.7	<2.2	<2.2	16.2	35.5	<0.21	NA	NA	NA	<0.111	<0.111	<0.111	<5.2	<5.5	<5.5	<1.7	NE
11	12	05/17/2013	6,790	<2.1	4.9	29	NA	<2.1	9.8	15.3	11,800	6.2	216	16.5	<2.1	33.6	<2.1	<2.1	23.5	47.2	<0.23	NA	NA	NA	<0.113	<0.113	<0.113	42	<5.6	<5.6	<1.6	NE
27	28	05/17/2013	6,250	<2.1	4.4	43.2	NA	<2.1	9.3	15.8	13,500	6.8	270	14.8	<2.1	58.3	<2.1	<2.1	15.2	42.2	<0.21	NA	NA	NA	<0.113	<0.113	<0.113	27.8	<5.7	<5.7	<1.7	NE
8	10	05/16/2013	6,370	<1.9	6.6	30.2	NA	<1.9	9.2	14.7	12,100	5.3	301	17.1	<1.9	68.7	<1.9	<1.9	17.8	42.4	<0.23	NA	NA	NA	<0.112	<0.112	<0.112	107	<5.6	<5.6	<1.3	NE
26	28	05/16/2013	3,790	<2.1	3.2	21.9	NA	<2.1	5.8	10.1	8,180	4.2	228	8.7	<2.1	97.8	<2.1	<2.1	10.1	25.5	<0.23	NA	NA	NA	<0.111	<0.111	<0.111	<5.4	<5.5	<5.5	<1.4	NE
11	14	05/17/2013	7,480	<1.9	7	28.7	NA	<1.9	9.9	18.6	13,500	6.9	267	16.1	<1.9	49.1	<1.9	<1.9	20.1	48.4	<0.2	NA	NA	NA	<0.108	<0.108	<0.108	35	<5.4	<5.4	<1.6	NE
27	27.75	05/17/2013	7,840	<1.8	6.6	27.1	NA	<1.8	11.5	16	24,200	6	339	20.2	<1.8	62.1	<1.8	<1.8	16.5	44	<0.23	NA	NA	NA	<0.108	<0.108	<0.108	22.6	NA	NA	NA	NE
12	14	05/20/2013	5,730	<1.9	7	26.1	NA	<1.9	8.7	14.4	11,200	4.4	205	13.9	<1.9	70.5	<1.9	<1.9	17.2	39.9	<0.23	NA	NA	NA	<0.111	<0.111	<0.111	<5.1	<5.5	<5.5	<1.8	NE
26	28	05/20/2013	9,620	<2.1	3.3	45.6	NA	<2.1	13	21.3	15,500	8.4	792	18.8	<2.1	54.6	<2.1	<2.1	19.8	48.5	<0.22	NA	NA	NA	<0.111	<0.111	<0.111	<5.4	<5.6	<5.6	<1.6	NE
6	8	05/20/2013	7,090	<1.9	8.6	33.3	NA	<1.9	9.8	16.7	13,800	5.8	308	17.2	<1.9	60.3	<1.9	<1.9	19.1	40.7	<0.23	NA	NA	NA	<0.115	<0.115	<0.115	<5.6	<5.8	<5.8	<1.8	NE
26	28	05/20/2013	7,670	<1.9	4.2	47	NA	<1.9	10.8	12.5	14,800	5.5	262	16.9	<1.9	74.7	<1.9	<1.9	14.8	40.5	<0.22	NA	NA	NA	<0.111	<0.111	<0.111	<5.3	<5.5	<5.5	<1.3	NE
10	12	05/17/2013	5,850	<1.9	4.7	32.3	NA	<1.9	8.4	11.7	9,750	4.3	222	12.4	<1.9	69.1	<1.9	<1.9	16	34	<0.22	NA	NA	NA	<0.108	<0.108	<0.108	<5.4	<5.5	<5.5	<1.6	NE
26	28	05/17/2013	4,240	<1.8	3.2	18.4	NA	<1.8	7.3	9	7,870	3.2	241	8.7	<1.8	84.1	<1.8	<1.8	11	18.5	<0.22	NA	NA	NA	<0.109	<0.109	<0.109	<5	<5.4	<5.4	<1.5	NE
10	12	05/17/2013	13,200	<2.2	10.8	118	NA	<2.2	18.7	19	25,700	12.1	851	30.8	<2.2	24.6	<2.2	<2.2	36.4	75.9	<0.24	NA	NA	NA	<0.122	<0.122	<0.122	6.5	<6.1	<6.1	<1.8	NE
26	28	05/17/2013	4,090	<1.9	3.4	16.6	NA	<1.9	6.7	11.2	7,560	5.7	212	10.5	<1.9	54.5	<1.9	<1.9	13.1	25.3	<0.21	NA	NA	NA	<0.108	<0.108	<0.108	9.7	<5.5	<5.5	<1.7	NE
11	14	05/17/2013	5,870	<2.2	4.6	26.9	NA	<2.2	9.4	15.7	9,850	4.5	295	11.1	3.8	<2.2	73.9	<2.2	18.8	41.2	<0.22	NA	NA	NA	<0.111	<0.111	<0.111	<5.4	<5.6	<5.6	<1.6	NE
26	28	05/17/2013	4,160	<2.2	3.2	17.1	NA	<2.2	6	9.4	8,060	3.7	355	8.4	<2.2	142	<2.2	<2.2	11	20	<0.21	NA										

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable
4	6	05/20/2013	100,000	43	9.5	21,000	220	NE	4,300	77,000	400	2,500	2,100	350	550	66,000	550	32,000	3.1	NE	NE	NE	NE	9.5	9.5	9.7	3.4	NE	100,000	11,000	NE	100,000
22	24	05/20/2013	4,250	<1.9	3.9	26.9	NA	<1.9	6.4	9.9	8,420	3.8	242	9.6	<1.9	82.7	<1.9	10.8	21.6	<0.21	NA	NA	<0.383	<0.383	<0.383	<0.383	<5.2	<5.5	<5.5	<1.6	<1.6	
2	4	05/16/2013	9,100	<2.2	3.8	47.3	NA	<2.2	11.1	15.4	10,800	8.8	391	12	<2.2	7.4	<2.2	22.6	41.8	<0.23	25.5	<1.2	<0.574	<0.574	<0.574	10.8	<5.8	<5.8	<1.3	<1.3		
24	26	05/16/2013	6,810	<2.1	8.2	35.6	NA	<2.1	10.5	17.2	19,100	8.9	672	17.8	<2.1	16.1	<2.1	19.2	52.7	<0.22	<11.1	<0.73	<0.112	<0.112	<0.112	<5.4	<5.6	<5.6	<1.6	<1.6		
10	12	05/16/2013	8,150	<2.4	14.5	69.1	NA	<2.4	79.2	120	37,800	136	102	16.1	<2.4	33	<2.4	20.5	91.3	1.6	NA	NA	<1.32	<1.32	<1.32	17.5	<6.6	<6.6	<1.7	<1.7		
26	28	05/16/2013	11,000	<2	5.1	37.4	NA	<2	11.3	15.4	15,700	7.4	303	19.4	<2	70.1	<2	<2	16.9	43	<0.23	NA	NA	<0.111	<0.111	<0.111	51.2	<5.5	<5.5	<1.6	<1.6	
8	10	05/16/2013	10,800	<2.4	7.5	88.7	NA	<2.4	15.8	22	16,500	12.2	154	20.3	<2.4	18	<2.4	<2.4	27.1	99.4	<0.26	NA	NA	<0.125	<0.125	<0.125	75.7	<6.3	<6.3	<1.9	<1.9	
26	28	05/16/2013	4,280	<1.8	3.7	26.8	NA	<1.8	6.4	10.5	8,330	4.6	242	9.2	<1.8	87.7	<1.8	<1.8	10.5	31.4	<0.23	NA	NA	<0.108	<0.108	<0.108	<5.2	<5.4	<5.4	<1.5	<1.5	
10	12	05/16/2013	6,670	<1.9	6	40.6	NA	<1.9	10.2	15.5	12,200	5.1	272	16.2	<1.9	64.6	<1.9	<1.9	19.2	39.7	<0.23	NA	NA	<0.112	<0.112	<0.112	<5.3	<5.6	<5.6	<1.4	<1.4	
10	12	05/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.2	<0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA
26	28	05/16/2013	12,600	<1.9	9.5	75.6	NA	<1.9	14.4	15	23,200	10.1	247	17.4	<1.9	44.2	<1.9	<1.9	22.7	48	<0.23	NA	NA	<0.114	<0.114	<0.114	<5.6	<5.7	<5.7	<1.4	<1.4	
26	28	05/22/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<11.3	<0.77	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	14	05/16/2013	5,960	<1.9	7.1	29.8	NA	<1.9	11	22.3	12,600	6.9	198	17.2	<1.9	61	<1.9	<1.9	17.6	42	<0.23	109	<75.9	<0.112	<0.112	<0.112	<5.4	<5.6	<5.6	<1.7	<1.7	
30	32	05/16/2013	7,970	<1.9	5.4	29	NA	<1.9	11.2	12.5	16,400	5.7	304	18.1	<1.9	70.7	<1.9	<1.9	16.6	43.6	<0.23	<11.1	<0.78	<0.111	<0.111	<0.111	<5.3	<5.5	<5.5	<1.7	<1.7	
30	32	09/22/2014	8,150	<0.96	9	36.2	<0.48	<0.48	9.5	16.3	14,200	7.4	338	16.5	<0.96	59.6	<0.96	<0.96	15.2	40.9	<0.22	NA	NA	<0.11	<0.11	<0.11	10.2	<5.4	<5.4	<1.1	<1.1	
8	10	09/23/2014	5,200	<1.2	7.1	48.1	<0.59	0.77	10.8	20.7	14,000	38.6	255	13.2	1.3	<0.59	36	<1.2	<5.9	14.4	62.2	0.34	NA	NA	<0.12	<0.12	<0.12	<5.8	<5.9	<5.9	<1.1	<1.1
6	8	5/16/2011	11,300	<0.520	8.4	95.3	NA	0.19	14.7	16.7	17,700	17.2	1,050	17	0.69	<0.520	21.2	0.3	<2.1	28.1	53.5	0.075	14.8	<1.1	<0.041	<0.041	<0.041	12.6	<5.9	<5.9	<1.2	<1.2
26	28	5/16/2011	8,020	<0.520	3.1	46.1	NA	0.18	11.6	16.2	15,800	8.6	413	16.1	0.7	<0.520	73.7	0.29	<2.1	16.9	51.5	<0.022	20.3	<0.810	<0.039	<0.039	17	<5.6	<5.6	<1.1	<1.1	
10	12	5/16/2011	2,570	<0.450	5.4	14.6	NA	0.14	6.7	10.8	8,050	5.3	368	9.1	<0.450	112	0.17	<1.8	9	27.6	0.018	<10.4	<0.850	<0.036	<0.036	<5.2	<5.2	<5.2	<1.0	<1.0		
31	32	5/16/2011	11,900	<0.490	7.2	61.1	NA	0.12	16.1	17.2	16,500	13.4	150	20	0.83	<0.490	30.5	0.59	<2.0	25.7	59.1	<0.021	32.5	<0.730	<0.038	<0.038	21.8	<5.5	<5.5	<1.1	<1.1	
6	8	5/16/2011	7,230	<0.510	6.5	49.5	NA	0.33	12.8	16.9	14,100	7.2	340	19.7	<0.510	84.4	0.4	<2.1	21.9	53.4	<0.021	<11.2	<0.710	<0.039	<0.039	59.6	<5.6	<5.6	<1.1	<1.1		
30	32	5/16/2011	25,300	<0.520	6.2	55.2	NA	0.14	31.6	20.2	36,300	14.3	279	19.8	0.91	<0.520	30.6	0.21	<2.1	59.4	47.2	0.039	<11.5	<1.2	<0.040	<0.040	<5.7	<5.7	<5.7	<1.1	<1.1	
10	12	5/16/2011	3,500	<0.440	4.8	15.1	NA	<0.071	9.1	5.7	12,700	4.2	525	5.7	<0.440	93.8	0.15	<1.8	14.4	22.6	<0.020	<11.1	<0.950	<0.039	<0.039	10.9	<5.5	<5.5	<1.1	<1.1		
27	28	5/16/2011	11,700	<0.440	2.8	51.6	NA	0.14	16.8	16.7	23,600	9.4	486	19.2	0.8	<0.440	70	0.31	<1.7	25.8	48.3	<0.022	23.6	<0.730	<0.039	<0.039	<5.5	<5.5	<5.5	<1.1	<1.1	
10	12	5/16/2011	3,240	<0.450	5.5	13.1	NA	0.18	8.9	12.2	11,800	6.3	484	9.9	0.45	<0.450	135	0.14	<1.8	13.5	32.5	<0.018	<10.7	<0.750	<0.038	<0.038	16.2	<5.4	<5.4	<1.1	<1.1	
30	32	5/16/2011	13,600	<0.560	8.4	56.4	NA	0.14	17.9	15.5	18,300	10.9	466	18.2	1.1	<0.560	43	0.25	<2.3	26.8	51.1	<0.019	13	<0.770	<0.039	<0.039	<5.6	<5.6	<5.6	4.7	4.7	
8	10	1/19/2016	4,930	<1.3	20.3	54.9	NA	0.77	15.3	29.3	24,900	52.8	336	18.6	1.3	<0.640	59.2	<1.3	NA	17.6	73.1	0.73	NA	NA	<0.140	<0.140	<0.140	72.1	<6.9	<6.9	2	2
24	26	1/19/2016	8,170	<1.1	5.6	30.8	NA	<0.540	13.6	17	13,400	7.7	331	22	<1.1	<0.540	70	<1.1	NA	19.7	36.7	<0.230	NA	NA	<0.110	<0.110	<0.110	47.0	<5.6	<5.6	<1.1	<1.1
8	10	1/19/2016	6,440	<1.0	8.2	77.5	NA	1	28.3	38.3	18,900	11.1	338	17.5	<1.0	<0.510	55.5	<1.0	NA	17.2	154	0.44	NA	NA	<0.110	<0.110	<0.110	106	<5.7	<5.7	<1.2	<1.2
28	28	1/20/2016	6,910	<1.1	6.1	33.9	NA	<0.540	12.6	15.8	14,600	7.6	386	19.1	<1.1	<0.540	76.1	<1.1	NA	16.1	39.2	<0.220	NA	NA	<0.110	<0.110	65.2	<5.6	<5.6	<1.1	<1.1	
2	4	1/20/2016	2,880	<1.0	4.2	18.3	NA	<0.500	7.2	13.3	7,880	11.4	237	7.2	<1.0	<0.500	89.5	<1.0	NA	12	53.5	<0.220	NA	NA	<0.110	<0.110	47.7	<5.5	<5.5	7.7	7.7	
8	10	1/20/2016	4,580	<1.1	6.1	23.7	NA	<0.560	10.4	14.9	10,900	8.9	235	10.8	<1.1	<0.560	54.7	<1.1	NA	15.8	37.3	0.36	NA	NA	<0.110	<0.110	134	<5.7	<5.7	5.1	5.1	
26	28	1/20/2016	7,640	<1.0	11	32.3	NA	<0.520	12.7	16.5	14,900	6.9	338	26.3	<1.0	<0.520	69.8	<1.0	NA	18.5	45.4	<0.220	NA	NA	<0.110	<0.110	<5.5	<5.5	<5.5	<1.1	<1.1	
8	10	05/03/2017	5,650	<1.0	7.5	29.3	<0.500	<0.500	10.4	16.5	11,400	6.1	302	13.5	<1.0	<0.500	65	3.2	NA	16.9	48.8	<0.240	NA	NA	<0.110	<0.110	173	<5.6	<5.6	4.3	4.3	
4	4	05/03/2017	6,250	<0.990	7.8	35.4	<0.500	<0.500	10	12.3	18,200	6	338	13.4	<0.990	<0.500	71.3	2.2	NA	16.4	40.7	<0.230	NA	NA	<0.110	<0.110	7.9	<5.5	<5.5	<1.1	<1.1	
10	12	05/04/2017	6,590	<1.1	6.3	32.3	<0.550	<0.550	10.4	15.7	13,500	5.9	513	17.1	<1.1	<0.550	42.6	3	NA	18.4	43.9	<0.220	NA	NA	<0.110	<0.110	51.4	<5.7	<5.			

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total Recoverable
12	14	03/18/2011	4,970	<0.38	4.6	29.5	NA	NA	7.2	9.8	10,500	5.2	448	11.5	1.2	<0.38	239	0.14	0.89	14	27.1	<0.37	NA	NA	<0.0389	<0.0389	<0.0389	8.5	<5.6	<5.6	1.1
6	8	03/18/2011	5,740	<0.46	5.6	37.9	NA	NA	6.8	11.9	12,400	7.4	591	13.6	0.96	<0.46	62.9	0.4	1.4	17.9	47.7	<0.43	NA	NA	<0.0418	<0.0418	<0.0418	125	<6	<6	<1.2
18	20	03/21/2011	3,990	<0.47	2.6	22.6	NA	NA	4.1	8.8	10,400	7.2	278	9.4	0.69	<0.47	77.9	0.13	1.1	12.7	31	<0.37	NA	NA	<0.0384	<0.0384	<0.0384	6	<5.5	<5.5	<1.1
2	4	03/21/2011	20,900	<0.55	9.7	61.9	NA	NA	17.1	18.1	24,500	17.7	572	19.4	1	0.89	8.6	0.36	1.8	47	61.3	<0.42	NA	NA	<0.0409	<0.0409	<0.0409	61.7	<5.8	<5.8	<1.2
8.5	10.5	03/21/2011	5,720	<0.42	7.1	30.8	NA	NA	7.4	16.2	13,600	7.7	423	17.6	0.56	0.7	75.2	0.39	1.2	20.9	49.6	<0.37	NA	NA	<0.0397	<0.0397	<0.0397	61.7	<5.7	<5.7	<1.1
10	12	03/21/2011	14,300	<0.45	11.7	59.8	NA	NA	16.3	23.9	25,200	14.4	328	29.2	1.3	<0.45	14.6	0.39	1.4	39.6	93.8	<0.45	NA	NA	<0.0437	<0.0437	<0.0437	64	<6.2	<6.2	1.5
15	17	03/21/2011	4,620	<0.44	2.7	23	NA	NA	6	9.3	9,280	4.8	280	10.7	1.2	<0.44	82	0.15	1	13.8	27.7	<0.37	NA	NA	<0.0385	<0.0385	<0.0385	<5.5	<5.5	<5.5	3.5
18	20	03/21/2011	4,710	<0.41	3.8	24.4	NA	NA	5.4	11.2	10,800	5.9	346	11.6	0.71	1.1	97	0.19	1.2	14.3	31.2	<0.37	NA	NA	<0.039	<0.039	<0.039	<5.6	<5.6	<5.6	<1.1
14	16	03/16/2011	5,090	<0.41	4.6	22.1	NA	NA	11	13.2	11,300	6.3	266	16.4	0.91	<0.41	80.1	0.39	0.99	19.6	38	<0.4	NA	NA	<0.039	<0.039	<0.039	<5.6	<5.6	<5.6	<1.1
7	8	03/16/2011	7,550	<0.39	8.4	45.1	NA	NA	13.6	15.1	15,700	7.6	265	17.8	0.69	<0.39	101	0.41	1.1	24.2	57	<0.36	NA	NA	<0.0402	<0.0402	<0.0402	<5.7	<5.7	<5.7	<1.1
14	16	03/18/2011	6,050	<0.5	6.7	27.6	NA	NA	8.1	13.5	12,800	6.7	326	17.7	1.3	<0.5	82.1	0.33	1.2	20.5	49.2	<0.38	NA	NA	<0.039	<0.039	<0.039	42.6	<5.6	<5.6	<1.1
8	10	03/18/2011	11,700	<0.58	20.5	58.4	NA	NA	43.5	39.9	52,700	11.7	115	16.2	0.95	<0.58	70.6	0.4	1.7	63.5	83.3	<0.46	NA	NA	<0.0449	<0.0449	<0.0449	134	<6.4	<6.4	<1.3
14	15.5	03/18/2011	3,340	<0.49	4.9	18.9	NA	NA	4.7	10.9	12,800	4.9	399	16.8	0.87	0.66	69.1	0.24	1.1	14.6	36.4	<0.34	NA	NA	<0.0383	<0.0383	<0.0383	77.6	<5.5	<5.5	<1.1
18	20	03/18/2011	5,520	<0.41	3.9	31.3	NA	NA	7.2	11.2	11,600	6.7	313	13.4	0.89	0.55	93.7	0.18	1.2	15.8	32.6	<0.38	NA	NA	<0.039	<0.039	<0.039	49.7	<5.6	<5.6	1.8
18	19.5	03/16/2011	4,560	<0.47	4.2	34.3	NA	NA	9	12.6	11,100	5.3	247	11.7	0.54	<0.47	92.4	0.24	1.2	17.1	26.2	<0.38	NA	NA	<0.0386	<0.0386	<0.0386	<5.5	<5.5	<5.5	<1.1
8	10	03/16/2011	6,170	<0.38	7.6	71.2	NA	NA	12	14	16,700	7.5	267	15.8	0.79	0.6	82.1	0.29	1	20.5	44.2	<0.37	NA	NA	<0.039	<0.039	<0.039	<5.6	<5.6	<5.6	<1.1
16	18	03/18/2011	7,730	<0.43	5.7	40.5	NA	NA	8.7	12.9	14,800	6.9	336	15.7	1.1	<0.43	101	0.19	1.1	17.6	36.9	<0.34	NA	NA	<0.0385	<0.0385	<0.0385	7.7	<5.5	<5.5	<1.1
8	10	03/18/2011	2,880	<0.56	6.9	15.3	NA	NA	4	14.7	9,980	7.2	330	20.8	0.86	0.88	71.4	0.19	1.3	15.1	49.9	<0.36	NA	NA	<0.0401	<0.0401	<0.0401	74.3	<5.7	<5.7	2
10	12	03/17/2011	6,590	<0.49	7.5	31.8	NA	NA	12	15.6	16,200	7.9	294	18.2	0.79	<0.49	108	0.4	<0.97	19.9	52.5	<0.38	NA	NA	<0.0395	<0.0395	<0.0395	<5.6	<5.6	<5.6	<1.1
18	20	03/17/2011	2,170	<0.45	2.6	9.7	NA	NA	5.4	7.5	6,240	3.7	216	7.5	0.55	<0.45	70.4	0.12	<0.9	8.4	20.7	<0.38	NA	NA	<0.0408	<0.0408	<0.0408	<5.8	<5.8	<5.8	<1.2
8	10	03/17/2011	6,860	<0.41	6.5	35.2	NA	NA	12.6	18.1	14,800	7.8	530	20.2	0.72	<0.41	85.8	0.37	<0.82	21.3	49.3	<0.38	NA	NA	<0.0395	<0.0395	<0.0395	<5.6	<5.6	<5.6	<1.1
10	12	03/16/2011	5,870	<0.39	7.1	33	NA	NA	11.4	13.8	12,500	7.2	343	18.1	0.92	<0.39	86.4	0.44	1	19.7	39.4	<0.37	NA	NA	<0.0392	<0.0392	<0.0392	<5.6	<5.6	<5.6	<1.1
6	8	03/16/2011	6,620	<0.47	6.3	58.5	NA	NA	11.8	10	12,600	6.4	230	13.3	0.64	0.49	84.4	0.56	1.2	19.8	45.4	<0.36	NA	NA	<0.0406	<0.0406	<0.0406	<5.8	<5.8	<5.8	<1.2
10	12	03/17/2011	3,260	<0.5	4.9	15	NA	NA	7.4	10.1	9,370	4.6	278	9.1	0.52	<0.5	63.6	0.11	<1	11.1	29.3	<0.37	NA	NA	<0.0388	<0.0388	<0.0388	<5.5	<5.5	<5.5	<1.1
20	22.5	03/17/2011	12,000	<0.47	6.7	69.2	NA	NA	18.7	18.1	19,900	9.4	486	21.5	0.91	<0.47	76.9	0.21	<0.94	25	45.9	<0.38	NA	NA	<0.039	<0.039	<0.039	9.7	<5.6	<5.6	1.5
14	16	03/17/2011	8,440	<0.48	9.9	41	NA	NA	15.7	20.2	17,500	10.3	497	27.9	2	<0.48	115	0.36	<0.95	27.2	62.6	<0.39	NA	NA	<0.0438	<0.0438	<0.0438	63.2	<6.2	<6.2	<1.2
7	8	03/17/2011	12,500	<0.56	10.7	131	NA	NA	24.4	62.4	28,800	23.3	290	15.1	1.9	<0.56	28.5	0.24	1.5	35.4	68.9	<0.45	NA	NA	<0.0473	<0.0473	<0.0473	42.2	<6.8	<6.8	3.8
18	20	03/21/2011	8,620	<1.1	6	58	NA	NA	9	15.3	17,900	8.3	432	18.2	<1.1	<1.1	90.8	<0.23	<2.3	19.7	39.2	<0.39	NA	NA	<0.0382	<0.0382	<0.0382	11.8	<5.5	<5.5	<1.1
9	11	03/21/2011	5,710	<0.5	2.9	47	NA	NA	6.4	9.5	12,300	8.9	431	10.1	0.74	<0.5	18.3	0.13	1.3	18.2	33.4	<0.45	NA	NA	<0.0437	<0.0437	<0.0437	117	<6.2	<6.2	1.3
12	14	03/22/2011	2,400	<0.45	7.6	10.3	NA	NA	0.84	6.4	15,800	4	505	7.2	0.68	<0.45	58.5	0.16	0.99	9.7	16.7	<0.35	NA	NA	<0.196	<0.196	<0.196	26.3	<5.6	<5.6	1.6
18	20	03/22/2011	3,410	<0.53	2.7	16	NA	NA	7.1	4.1	6,780	4.6	212	7.8	<0.53	<0.53	55.7	<0.11	1	9.1	13	<0.36	NA	NA	<0.039	<0.039	<0.039	23.1	<5.6	<5.6	<1.1
8	10	03/22/2011	3,450	<0.48	4.8	29	NA	NA	6.7	15.7	10,100	8.4	202	7.8	0.8	<0.48	19.5	<0.097	2.7	13.7	26.9	<0.37	NA	NA	<0.8	<0.8	<0.8	69.9	<5.7	<5.7	3.2
10	11.5	03/22/2011	5,040	<0.53	21.2	24.4	NA	NA	4.5	11.8	19,700	7	246	17	2.8	<0.53	84.3	0.5	1.3	17.4	60.9	<0.35	NA	NA	<0.0384	<0.0384	<0.0384	<5.5	<5.5	<5.5	<1.1
14	16	03/22/2011	7,770	<0.53	5.7	42.5	NA	NA	9.7	17.9	16,200	7.2	381	16.3	1	<0.53	73	0.19	1.3	19.5	39.3	<0.35	NA	NA	<0.0385	<0.0385	<0.0385	<5.5	<5.5	<5.5	<1.1
2	4	03/22/2011	9,010	<0.44	10.1	30.5	NA	NA	10	23.3	17,600	30.4	97.7	22.7	2	0.76	7.3	0.58	1.1	31.3	79.8	<0.41	NA	NA	<0.0403	<0.0403	<0.0403	<5.8	<5.8	<5.8	<1.2
8	10	03/22/2011	3,580	<0.47	6.4	19.3	NA	NA	6.1	14.5	10,600	6.8	291	13.5	1.1	<0.47	24.9	0.32	1.2	17.6	45.8	<0.35	NA	NA	<0.0392	<0.0392	<0.0392	<5.6	<5.6	<5.6	<1.1
22	24	03/23/2011	4,840	<0.48	3.4	18	NA	NA																							

Sample Date	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	4-Chloroaniline	Aenaphthene	Aenaphthylene
03/22/2011	2.1	220	180	28,000	910	85,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	150	180	180	NE	1,800	335	4,500	5,000	NE
Contact	<0.0036	<0.0036	<0.0036	<0.0178	<0.0036	<0.0713	<0.0036	<0.0071	<0.0036	<0.0143	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0071	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.368	<0.397	<0.397	<0.368	<0.368	
03/22/2011	6.3	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	95	260	110	140	260	NE	150	180	180	NE	16,000	3,010	41,000	45,000	NE
Contact	<0.0044	<0.0044	<0.0044	<0.0218	<0.0044	<0.087	<0.0044	<0.0087	<0.0044	<0.0174	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0087	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.735	<0.794	<0.794	<0.735	<0.735	
03/22/2011	<0.0051	<0.0051	<0.0051	<0.0253	<0.0051	<0.101	<0.0051	<0.0101	<0.0051	<0.0202	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0101	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0038	<0.0038	<0.0038	<0.019	<0.0038	<0.0761	<0.0038	<0.0076	<0.0038	<0.0152	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0033	<0.0033	<0.0033	<0.0167	<0.0033	<0.0667	<0.0033	<0.0067	<0.0033	<0.0133	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0067	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0033	<0.0033	<0.0033	<0.0112	<0.0033	<0.449	<0.0033	<0.449	<0.0033	<0.838	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.449	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0034	<0.0034	<0.0034	<0.0168	<0.0034	<0.0671	<0.0034	<0.0067	<0.0034	<0.0134	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0067	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.0034	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0114	<0.0114	<0.0114	<0.28	<0.0114	<0.28	<0.0114	<0.228	<0.0114	<0.457	<0.0114	<0.0114	<0.0114	<0.0114	<0.0114	<0.0114	<0.457	<0.0114	<0.0114	<0.0114	<0.0114	<0.0114	<0.0114	<0.0114	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.004	<0.004	<0.004	<0.0198	<0.004	<0.0792	<0.004	<0.0079	<0.004	<0.0158	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0079	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0039	<0.0039	<0.0039	<0.0196	<0.0039	<0.0783	<0.0039	<0.0078	<0.0039	<0.0157	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0078	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0033	<0.0033	<0.0033	<0.0165	<0.0033	<0.0662	<0.0033	<0.0066	<0.0033	<0.0132	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0066	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0047	<0.0047	<0.0047	<0.0234	<0.0047	<0.0937	<0.0047	<0.0047	<0.0047	<0.0187	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0035	<0.0035	<0.0035	<0.0176	<0.0035	<0.0702	<0.0035	<0.007	<0.0035	<0.014	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.007	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.735	<0.812	<0.812	<0.735	<0.735	
11/27/2012	<0.0041	<0.0041	<0.0041	<0.0204	<0.0041	<0.0818	<0.0041	<0.0082	<0.0041	<0.0164	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.1	<0.523	<0.266	<0.502	<0.1	<2.01	<0.889	<1.02	<0.106	<0.1	<0.401	<0.437	<0.1	<0.1	<0.799	<0.1	<1.16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.0035	<0.0035	<0.0035	<0.0175	<0.0035	<0.07	<0.005	<0.0071	<0.0035	<0.014	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.007	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.286	<0.286	<0.286	<0.43	<0.286	<0.571	<1.13	<0.571	<0.492	<0.46	<1.14	<0.881	<0.286	<0.441	<0.286	<0.441	<0.286	<0.286	<0.286	<0.286	<0.286	<0.286	<0.286	<0.286	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.0044	<0.0044	<0.0044	<0.022	<0.0044	<0.0882	<0.0044	<0.0088	<0.0044	<0.0176	<0.0039	<0.0039	<0.0044	<0.0044	<0.0044	<0.0044	<0.0088	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.332	<0.476	<0.286	<0.664	<0.332	<0.664	<1.75	<0.664	<0.102	<0.988	<1.33	<1.490	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.332	<0.735	<0.812	<0.812	<0.735	<0.735	
03/20/2013	<0.0035	<0.0035	<0.0035	<0.0176	<0.0035	<0.0704	<0.0035	<0.007	<0.0035	<0.0141	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.007	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.735	<0.812	<0.812	<0.735	<0.735	
03/21/2013	<0.0033	<0.0033	<0.0033	<0.0167	<0.0033	<0.0668	<0.0033	<0.0067	<0.0033	<0.0134	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0067	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.735	<0.812	<0.812	<0.735	<0.735	
03/21/2013	<0.0037	<0.0037	<0.0037	<0.0183	<0.0037	<0.0734	<0.0037	<0.0073	<0.0037	<0.0147	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0073	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.735	<0.812	<0.812	<0.735	<0.735	
03/21/2013	<0.146	<0.727	<0.568	<0.732	<0.146	<2.93	<0.852	<0.854	<0.158	<0.146	<0.586	<0.359	<0.146	<0.146	<0.238	<0.146	<0.867	<0.146	<0.146	<0.146	<0.146	<0.146	<0.146	<0.146	<0.735	<0.812	<0.812	<0.735	<0.735	
03/21/2013	<0.0053	<0.0124	<0.007	<0.0264	<0.0053	<0.105	<0.0091	<0.0435	<0.0053	<0.0211	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.105	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.735	<0.812	<0.812	<0.735	<0.735	
03/21/2013	<0.0041	<0.0041	<0.0041	<0.0204	<0.0041	<0.0815	<0.0041	<0.0082	<0.0041	<0.0163	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.735	<0.812	<0.812	<0.735	<0.735	
07/29/2013	<0.0037	<0.0037	<0.0037	<0.0184	<0.0037	<0.0736	<0.0037	<0.0074	<0.0037	<0.0147	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0074	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.735	<0.812	<0.812	<0.735	<0.735	
07/29/2013	<0.0036	<0.0036	<0.0036	<0.0178	<0.0036	<0.0736	<0.0036	<0.0071	<0.0036	<0.0143	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0071	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.735	<0.812	<0.812	<0.735	<0.735	
07/29/2013	<0.003	<0.003	<0.003	<0.0152	<0.003	<0.0607	<0.003	<0.0061																						

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable
22	24	03/22/2011	11,700	<0.54	4.9	72.8	NA	NA	12.3	14.5	18,110	8.4	401	18	1.2	0.8	67.8	0.23	1.5	24.8	51.5	<0.37	NA	NA	<0.039	<0.039	<0.039	7.8	<5.6	<5.6	<1.1	<1.1
6	8	03/22/2011	18,400	<0.53	15.1	127	NA	NA	22.1	25.7	37,700	20.4	365	33.9	1.8	<0.53	27.2	0.34	1.5	67.1	104	<0.41	NA	NA	<0.0421	<0.0421	<0.0421	97.6	<6	<6	<1.2	<1.2
8	10	03/22/2011	6,730	<0.5	7.8	33.2	NA	NA	9.1	20	16,500	8.8	110	18	1.6	<0.5	13.3	0.23	1.2	26	85.1	<0.38	NA	NA	<0.0431	<0.0431	<0.0431	8.4	<6.2	<6.2	<1.2	<1.2
10	12	11/27/2012	3,830	<2.1	3.5	16.4	NA	NA	11.1	7.5	9,840	4.2	144	9.2	<2.1	<2.1	26.6	<2.1	<2.1	14.5	19.8	<0.22	NA	NA	<0.112	<0.112	<0.112	106	<5.6	<5.6	8.3	<1.1
22	24	11/27/2012	2,930	<2.1	4.6	12	NA	NA	4.7	14.2	7,290	3.6	231	9.3	<2.1	<2.1	76.9	<2.1	<2.1	12.7	18.5	<0.23	NA	NA	<0.108	<0.108	<0.108	32.5	<5.4	<5.4	<1.1	<1.1
18	20	11/27/2012	7,640	<2.1	4.8	33.5	NA	NA	10.4	12.2	12,100	5.2	302	13.1	<2.1	<2.1	67.5	<2.1	<2.1	15.4	47.6	<0.22	NA	NA	<0.109	<0.109	<0.109	65.7	<5.4	<5.4	<1.1	<1.1
8	10	11/27/2012	5,940	<2.5	7.9	41.3	NA	NA	10.3	12.8	11,500	9.9	154	12.3	<2.5	<2.5	16.4	<2.5	<2.5	15.3	76.4	0.31	NA	NA	<0.125	<0.125	<0.125	80.6	<6.3	<6.3	15	<1.1
13	14	11/27/2012	5,320	<2.1	5.8	22	NA	NA	8.4	12.1	9,910	4.6	254	13.1	<2.1	<2.1	73.2	<2.1	<2.1	15.7	35.4	<0.23	NA	NA	<0.111	<0.111	<0.111	35	<5.5	<5.5	<1.1	<1.1
8	10	11/27/2012	6,110	<2.3	5.8	46.8	NA	NA	8.9	11.1	10,500	6.7	254	11.1	<2.3	<2.3	11.8	<2.3	<2.3	17.1	31.4	<0.23	NA	NA	<0.117	<0.117	<0.117	129	<5.9	<5.9	6.3	<1.1
12	14	11/27/2012	5,250	<2.4	11.5	23.3	NA	NA	10.2	15.4	14,100	5.7	285	21.1	<2.4	<2.4	81.1	<2.4	<2.4	17.2	46.9	<0.27	NA	NA	<0.125	<0.125	<0.125	244	<6.2	<6.2	2.3	<1.1
18	20	11/27/2012	7,410	<2.2	4.6	44.3	NA	NA	10.5	13.1	12,900	5.6	283	13.7	<2.2	<2.2	66.9	<2.2	<2.2	15.5	29.9	<0.21	NA	NA	<0.0387	<0.0387	<0.0387	106	<5.5	<5.5	<1.1	<1.1
14	15	11/27/2012	7,440	<2.1	6.3	47.5	NA	NA	10.7	12.9	13,000	5.7	295	14.1	<2.1	<2.1	69	<2.1	<2.1	16	27.3	<0.21	NA	NA	<0.111	<0.111	<0.111	20	<6.2	<6.2	<1.2	<1.2
5	6	11/27/2012	4,950	<2.5	4.4	52.3	NA	NA	8.6	14	13,500	56.6	152	14.1	<2.5	<2.5	19.5	<2.5	14.5	15.4	156	<0.27	NA	NA	<0.125	<0.125	<0.125	69	<5.5	<5.5	<1.1	<1.1
14	15	11/27/2012	7,340	<2.1	4.9	44.3	NA	NA	10.6	12.7	13,000	5.5	299	13.2	<2.1	<2.1	79.4	<2.1	<2.1	15.1	27.2	<0.23	NA	NA	<0.111	<0.111	<0.111	9.4	<5.5	<5.5	<1.1	<1.1
6	8	11/27/2012	7,260	<2.1	6.3	68.2	NA	NA	10.1	28.6	13,600	82.9	218	13.6	<2.1	<2.1	45.3	<2.1	9.1	19.2	114	<0.25	NA	NA	<0.117	<0.117	<0.117	17.9	<5.9	<5.9	<1.2	<1.2
8	10	03/20/2013	10,400	<2.1	8.6	63.5	NA	NA	10.5	15.2	17	15,500	16.6	361	19.9	<2.1	6.8	<2.1	<2.1	26.1	159	<0.22	NA	NA	<0.116	<0.116	<0.116	1,520	<5.8	<5.8	5	<1.1
18	20	03/20/2013	2,910	<2.1	7.7	11.3	NA	<2.1	5.2	10.2	6,800	669	210	7.5	<2.1	<2.1	77	<2.1	<2.1	8.7	27.2	<0.2	NA	NA	<0.107	<0.107	<0.107	40.3	<5.4	<5.4	<1.1	<1.1
8	10	03/20/2013	6,860	<2.3	11.7	58.7	NA	<2.3	12	16.8	11,400	23.8	223	11.8	<2.3	<2.3	44.2	<2.3	2.9	19.2	62.4	5	NA	NA	<0.389	<0.389	<0.389	547	<6.5	<6.5	4.1	<1.1
18	20	03/20/2013	7,020	<2	3.7	39.4	NA	<2	10.8	15	12,200	7.4	298	14.6	<2	<2	68.7	<2	<2	14.8	31.3	<0.19	NA	NA	<0.038	<0.038	<0.038	61	<5.4	<5.4	<1.1	<1.1
12	14	03/20/2013	12,500	<3.3	11.8	90.7	NA	<3.3	19.1	19.7	18,500	18.5	408	19.7	<3.3	<3.3	25.7	<3.3	<3.3	32	70.5	<0.35	NA	NA	<0.514	<0.514	<0.514	274	<8.6	<8.6	15.5	<1.1
18	20	03/20/2013	6,170	<1.9	9.1	34.2	NA	<1.9	9.2	18.2	12,700	6.1	299	15	<1.9	<1.9	60.7	<1.9	<1.9	13.5	29.6	<0.18	NA	NA	<0.103	<0.103	<0.103	41.3	<5.2	<5.2	<1	<1
13	15	03/21/2013	3,080	<2.1	6.5	18.5	NA	<2.1	6.6	11.7	8,890	4.8	329	8.4	<2.1	<2.1	105	<2.1	<2.1	11.9	23.5	<0.19	NA	NA	<0.108	<0.108	<0.108	50.5	<5.4	<5.4	<1.1	<1.1
20	22	03/21/2013	3,670	<2.1	4.2	22.7	NA	<2.1	6.7	11.5	6,790	3.5	227	8.6	<2.1	<2.1	82.7	<2.1	<2.1	9.8	22.2	<0.22	NA	NA	<0.0383	<0.0383	<0.0383	29.8	<5.5	<5.5	<1.1	<1.1
8	10	03/21/2013	11,100	<2.5	23.5	85.8	NA	<2.5	15.3	78.1	15,400	51.3	54.8	30.2	<2.5	<2.5	65.7	<2.5	4.9	41.5	32.9	0.34	NA	NA	<0.137	<0.137	<0.137	<6.6	<6.8	<6.8	<1.4	<1.4
11	14	03/21/2013	5,620	<2.5	7.1	25.9	NA	<2.5	11.2	15.4	68,300	4.8	2,570	15.1	<12.6	<2.5	52.4	<2.5	<2.5	16	49.7	<0.26	NA	NA	<0.131	<0.131	<0.131	8.2	<6.6	<6.6	<1.3	<1.3
18	20	03/21/2013	7,650	<2.1	6.8	45.9	NA	<2.1	11.6	15.8	13,700	6.4	324	14.8	<2.1	<2.1	76	<2.1	<2.1	17.3	40.3	<0.19	NA	NA	<0.109	<0.109	<0.109	38.6	<5.4	<5.4	<1.1	<1.1
12	14	07/29/2013	6,250	<2.1	8	31.8	NA	<2.1	11.6	16.1	12,700	5	304	15.5	<2.1	<2.1	69.4	<2.1	<2.1	18.7	37.1	<0.22	<11.4	<11.4	<0.113	<0.113	<0.113	<5.7	<5.7	<5.7	<1.1	<5.5
20	22	07/29/2013	7,250	<2	5.1	50	NA	<2	11.7	20.9	12,900	4.8	303	13.4	<2	<2	67.3	<2	<2	17.6	33.6	<0.22	15.7	<0.77	<0.77	<0.77	<5.5	<5.5	<5.5	<1.1	6.7	
18	20	07/29/2013	5,560	<2	4.8	27.5	NA	<2	8.5	13.4	8,990	4.2	325	11.3	<2	<2	93.1	<2	<2	14.9	26.7	<0.21	17.7	<0.78	<0.78	<0.78	<5.4	<5.4	<5.4	<1.1	7.1	
6	8	07/29/2013	10,200	<2.3	9	63.7	NA	4.4	13.3	19.9	16,200	8	1,990	32	<2.3	<2.3	37.5	<2.3	<2.3	24.8	85.9	<0.24	<11.7	<0.76	<0.76	<0.76	<5.9	<5.9	<5.9	<1.1	<5.6	
22	24	07/30/2013	9,420	<2.2	5.5	58.3	NA	<2.2	14.1	16.4	15,300	5.9	313	16.6	<2.2	<2.2	71.7	<2.2	<2.2	19.9	37.6	<0.23	36.6	<0.79	<0.79	<0.79	28.7	<5.4	<5.4	<1.1	<1.1	
8	10	07/30/2013	10,300	<1.9	6.7	12	NA	<1.9	19.7	12.8	15,300	3.9	449	34.3	<1.9	<1.9	48.1	<1.9	<1.9	19.6	254	<0.22	748	18.8	<0.108	<0.108	<0.108	37.7	<5.4	<5.4	0.97	<1.1
4	4	07/31/2013	13,400	<2	9.6	72	NA	<2	16.8	23.3	21,700	12.8	268	20	<2	<2	12.1	<2	<2	31.6	60.9	<0.23	182	0.87	<0.117	<0.117	<0.117	35.2	<5.8	<5.8	<1	<1
22	24	07/31/2013	8,760	<2	4.3	83.5	NA	<2	13.3	15.6	12,700	5.8	303	14	<2	<2	80.9	<2	<2	16.8	30.4	<0.22	19	<0.81	<0.81	<0.81	12.4	<5.5	<5.5	<0.96	<0.96	
22	24	07/31/2013	8,120	<2	3.2	52.2	NA	<2	12.1	15.9	17,600	6.4	526	16	<2	<2	67.1	<2	<2	16.3	41.4	<0.22	<11.2	<0.98	<0.98	<0.98	11.8	<5.6	<5.6	<1.1	<1.1	
8	10	07/31/2013																														

Sample Date	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylphenol (o-Cresol)	4-Chloroaniline	Aenaphthene	Aenaphthylene	
Contact	2.1	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	110	820	5.7	260	110	140	260	NE	150	180	NE	1,800	335	5,000	38	5,000	
Contact	6.3	220	180	28,000	910	100,000	51	740	250	270	3,300	170	870	170	820	95	260	110	140	260	NE	150	180	NE	16,000	3,010	41,000	NE	45,000	
Contact	35	220	180	28,000	910	100,000	1,800	740	480	270	3,500	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	34,000	6,740	87,000	NE	100,000	
05/09/2017	<0.0036	<0.0036	<0.0036	<0.018	<0.0036	<0.071	<0.0036	<0.0071	<0.0036	<0.0036	<0.014	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0071	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036
05/09/2017	<0.0057	<0.0057	<0.0057	<0.029	<0.0057	<0.110	<0.0057	<0.011	<0.0057	<0.0057	<0.023	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057
10/27/2010	<0.0041	<0.0041	<0.0041	<0.024	<0.0041	<0.0816	<0.0041	<0.0082	<0.0041	<0.0041	<0.0163	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0082	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041
10/27/2010	<0.0043	<0.0043	<0.0043	<0.0213	<0.0043	<0.0854	<0.0043	<0.0085	<0.0043	<0.0043	<0.0171	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0085	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043
10/27/2010	<0.0035	<0.0035	<0.0035	<0.0174	<0.0035	<0.0696	<0.0035	<0.007	<0.0035	<0.0035	<0.0139	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.007	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
10/27/2010	<0.0036	<0.0036	<0.0036	<0.0181	<0.0036	<0.0724	<0.0036	<0.0072	<0.0036	<0.0036	<0.0145	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0072	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036
10/28/2010	<0.0039	<0.0039	<0.0039	<0.0195	<0.0039	<0.0781	<0.0039	<0.0078	<0.0039	<0.0039	<0.0156	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0078	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039
10/28/2010	<0.004	<0.004	<0.004	<0.0201	<0.004	<0.0893	<0.004	<0.008	<0.004	<0.004	<0.0161	<0.004	<0.004	<0.004	<0.004	<0.004	<0.008	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
10/27/2010	<0.005	<0.005	<0.005	<0.0248	<0.005	<0.0993	<0.005	<0.0099	<0.005	<0.005	<0.0199	<0.005	<0.005	<0.005	<0.005	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/27/2010	<0.0047	<0.0047	<0.0047	<0.0234	<0.0047	<0.0936	<0.0047	<0.0094	<0.0047	<0.0047	<0.0187	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0094	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047	<0.0047
10/27/2010	<0.005	<0.005	<0.005	<0.0251	<0.005	<0.1	<0.005	<0.01	<0.005	<0.005	<0.0201	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
10/27/2010	<0.0035	<0.0035	<0.0035	<0.0173	<0.0035	<0.0691	<0.0035	<0.0069	<0.0035	<0.0035	<0.0138	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0069	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035	<0.0035
10/27/2010	<0.311	3.79	0.687	<1.55	<0.311	<6.21	18.3	<0.621	4.96	<0.311	<1.24	106	<0.311	2.95	6.31	6.31	40.9	1.92	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311	<0.311
10/27/2010	<0.0042	<0.0042	<0.0042	<0.021	<0.0042	<0.084	<0.0042	<0.0084	<0.0042	<0.0042	<0.0168	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
10/27/2010	<0.0049	<0.0049	<0.0049	<0.0243	<0.0049	<0.0972	<0.0049	<0.0097	<0.0049	<0.0049	<0.0194	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0097	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049	<0.0049
10/27/2010	<0.0042	<0.0042	<0.0042	<0.0208	<0.0042	<0.0831	<0.0042	<0.0083	<0.0042	<0.0042	<0.0166	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0083	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
10/26/2010	<1.08	19.5	12.2	<5.4	<1.08	<21.6	2.95	<2.16	1.6	<1.08	<4.32	17.40	37.7	<1.08	17.2	<1.08	40.9	1.92	<1.08	<1.08	0.581	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08	<1.08
10/26/2010	<0.442	<0.442	<0.442	<2.1	<0.442	<8.3	<0.442	<0.883	<0.442	<0.442	<1.77	257	<0.442	<0.442	<0.442	<0.883	<0.442	<0.442	<0.442	<0.442	<0.442	1.09	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442	<0.442
10/26/2010	<0.0038	<0.0038	<0.0038	<0.0192	<0.0038	<0.0768	<0.0038	<0.0077	<0.0038	<0.0038	<0.0154	0.0122	<0.0038	<0.0038	<0.0038	<0.0038	<0.0077	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
10/28/2010	<0.0062	<0.0062	<0.0062	<0.0308	<0.0062	<0.123	<0.0062	<0.0123	<0.0062	<0.0062	<0.0246	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0123	0.0106	<0.0062	<0.0062	0.0085	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062	<0.0062
10/28/2010	<0.0037	<0.0037	<0.0037	<0.0183	<0.0037	<0.0731	<0.0037	<0.0037	<0.0037	<0.0037	<0.0146	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037
10/28/2010	<0.0044	<0.0044	<0.0044	<0.0221	<0.0044	<0.0883	0.0065	<0.0088	<0.0044	<0.0044	<0.0177	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0088	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044
10/28/2010	<0.0042	<0.0042	<0.0042	<0.0211	<0.0042	<0.0844	<0.0042	<0.0084	<0.0042	<0.0042	<0.0169	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042
10/29/2010	<0.0038	0.051	0.0552	<0.019	<0.0038	<0.0761	47.3	0.0227	0.0781	0.0204	<0.0152	9.48	<0.0038	<0.0038	19.2	16.4	16.4	<0.0038	<0.0038	<0.0038	<0.0038	0.0124	0.0077	0.0077	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038
10/29/2010	<0.0044	<0.0044	<0.0044	<0.0218	<0.0044	<0.0873	0.0161	<0.0087	<0.0044	<0.0044	<0.0175	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0087	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044
10/29/2010	<0.0039	<0.0039	<0.0039	<0.0193	<0.0039	<0.0772	0.0119	<0.0077	<0.0039	<0.0039	<0.0154	<0.0039	<0.0039	<0.0039	0.003															

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable
12	14	05/09/2017	4,880	<0.930	4.6	20.1	<0.470	9.2	17.4	9,620	5.3	278	13.1	13.1	<0.930	69.7	<0.930	NA	14.7	32.4	<0.220	NA	NA	NA	560	570	570	<5.5	<5.5	<5.5	<1.1	<1.1
27	28	05/09/2017	8,230	<1.0	6.7	41.5	<0.500	13.4	15.5	17,800	7.8	247	18.9	18.9	<1.0	<0.500	64.9	3.6	NA	19.5	48.6	<0.210	NA	NA	NA	NA	NA	<5.5	<5.5	<5.5	<1.1	<1.1
8	8	10/27/2010	3,080	<0.49	4.2	16.2	NA	0.089	6.7	12.1	10,600	5.8	395	12	<0.49	<0.49	70.3	0.11	<0.99	11.5	28.3	<0.36	<11.3	<0.81	<0.0395	<0.0395	<0.0395	<5.6	<5.6	<5.6	<1.8	<1.8
12	14	10/27/2010	3,010	<0.45	2.9	14.4	NA	<0.073	6.1	8.4	8,430	4.1	283	9.1	<0.45	<0.45	80.8	<0.091	0.83	9.9	23.9	<0.34	<11.3	<0.85	<0.0397	<0.0397	<0.0397	<5.7	<5.7	<5.7	<1.5	<1.5
8	10	10/27/2010	4,760	<0.39	6.1	30.4	NA	0.23	8.4	14.2	12,600	6.7	301	17	<0.39	<0.39	82.8	0.29	0.84	15.1	47.8	<0.35	<11.3	<0.74	<0.0394	<0.0394	<0.0394	<5.6	<5.6	<5.6	<1.6	<1.6
12	14	10/27/2010	8,700	<0.41	4.4	48.4	NA	<0.066	14.1	19.3	16,500	8.4	383	22.3	<0.41	0.41	77.3	0.2	0.89	19.1	43	<0.35	<11.3	<0.74	<0.0395	<0.0395	<0.0395	<5.6	<5.6	<5.6	<1.5	<1.5
8	10	10/28/2010	5,370	<0.53	1.3	30.5	NA	0.15	7.8	8.9	6,880	6.2	111	11	<0.53	<0.53	12.7	0.13	<1.1	13.9	33.5	<0.37	<11.1	<0.72	<0.0388	<0.0388	<0.0388	12.4	<5.5	<5.5	<1.5	<1.5
12	14	10/28/2010	4,930	<0.47	5.2	32.6	NA	0.2	8.7	56.4	11,000	8	314	14.8	<0.47	<0.47	71.6	0.18	1.1	14.2	45.2	<0.4	<1.0	<0.86	<0.0421	<0.0421	<0.0421	10.1	<6	<6	<2	<2
4	6	10/27/2010	10,300	0.75	11.5	84.5	NA	1.1	13.8	133	35,200	82	670	33.9	0.88	<0.46	22.1	0.2	3.7	23.3	54.2	1.7	1,470	<1.2	<0.0412	<0.0412	<0.0412	<5.9	<5.9	<5.9	<1.8	<1.8
6	8	10/27/2010	3,970	<0.53	3.2	34.5	NA	<0.085	7.8	36.3	18,300	12	118	11.7	0.97	<0.53	14.1	<0.11	1.3	8.8	51.7	<0.39	850	<0.92	<0.0438	<0.0438	<0.0438	<6.2	<6.2	<6.2	<1.9	<1.9
8	10	10/27/2010	11,000	<0.62	1.3	68.5	NA	0.14	16.4	16.9	19,400	10.6	108	11.8	<0.62	<0.62	16.1	0.13	<1.2	19.1	58.9	<0.4	45.2	<0.93	<0.0439	<0.0439	<0.0439	48.4	<6.3	<6.3	<1.9	<1.9
18	20	10/27/2010	4,010	<0.38	4.2	27.5	NA	0.088	7.7	14.7	11,100	6.6	325	12.9	<0.38	<0.38	10.2	0.18	0.8	12	39.1	<0.35	<11.1	<0.64	<0.039	<0.039	<0.039	<5.6	<5.6	<5.6	<1.6	<1.6
6	8	10/27/2010	10,100	0.47	9.5	85	NA	0.21	19.9	32.3	39,100	13.8	90	22.1	0.94	<0.43	17.7	0.17	1.4	37.9	87.2	<0.4	40.9	166	<0.0443	<0.0443	<0.0443	270	<6.3	<6.3	<1.8	<1.8
18	20	10/27/2010	6,110	<0.49	2.5	20.4	NA	0.19	8	16.8	14,300	7.6	501	17.6	<0.49	<0.49	93.5	0.18	0.83	12.8	49.2	<0.34	16	<0.68	<0.0388	<0.0388	<0.0388	9	<5.5	<5.5	<1.7	<1.7
10	12	10/27/2010	12,100	<0.56	3.7	77.9	NA	0.17	33.8	73.3	15,700	9	97.1	14.6	<0.56	<0.56	23.2	0.14	1.2	33.7	62.9	<0.4	132	<0.96	<0.231	<0.231	<0.231	10.7	<6.6	<6.6	<1.9	<1.9
18	20	10/27/2010	6,560	<0.41	5.3	39.2	NA	0.12	9.6	15.7	16,200	8.5	345	18.6	<0.41	<0.41	83.9	0.21	0.77	14.4	45.6	<0.37	53.2	<0.74	<0.0384	<0.0384	<0.0384	7.1	<5.5	<5.5	<1.7	<1.7
4	6	10/26/2010	1,950	0.83	20.2	52.5	NA	0.37	24.5	6	70,000	31.7	284	3.9	1.2	<0.54	17	0.18	2.8	5.4	26.6	<0.43	5,570	1,910	<0.0433	<0.0433	<0.0433	122	<6.2	<6.2	2.1	2.1
8	10	10/26/2010	29,100	<0.55	6.9	45.7	NA	11.7	32.8	30.3	8,820	7.2	644	18.8	2.3	<0.55	20.6	0.2	<1.1	64.9	196	<0.39	785	46.1	<0.0425	<0.0425	<0.0425	46.2	<6.1	<6.1	<1.7	<1.7
19	20	10/26/2010	6,170	<0.52	7.5	33.3	NA	0.15	10.5	13.5	15,000	9.5	341	14.9	0.97	<0.52	7.2	0.28	1.3	16	42.7	<0.36	41.1	<0.77	<0.039	<0.039	<0.039	11.3	<5.6	<5.6	<1.7	<1.7
8	10	10/28/2010	14,400	<0.54	1	80.3	NA	0.38	17	20.6	16,500	13.4	233	19.1	0.7	<0.54	41.9	0.19	1.3	24.5	90.8	<0.47	276	<1.1	<0.0522	<0.0522	<0.0522	25.7	<7.5	<7.5	<2.2	<2.2
18	20	10/28/2010	5,780	<0.38	5.3	33	NA	0.073	9.1	14.3	13,100	7.2	257	13.8	0.45	<0.38	83	0.17	0.85	13	41.7	<0.35	<11.1	<0.71	<0.0387	<0.0387	<0.0387	<5.5	<5.5	<5.5	<1.6	<1.6
6	8	10/28/2010	6,880	<0.39	6.8	39.2	NA	0.26	9.4	14.4	15,500	7.9	433	21.7	<0.39	<0.39	90.3	0.38	0.85	17.2	43.6	<0.35	<11.1	<0.86	<0.039	<0.039	<0.039	<5.6	<5.6	<5.6	<1.8	<1.8
16	18	10/28/2010	3,990	<0.4	2.7	40.9	NA	0.063	5.4	8.2	8,970	4.7	265	10.7	0.41	<0.4	50.5	0.13	<0.79	9.4	19.8	<0.32	39	<0.81	<0.0375	<0.0375	<0.0375	<5.4	<5.4	<5.4	<1.6	<1.6
4	6	10/29/2010	2,090	<0.41	4.6	41.9	<0.16	8.4	5.4	24.7	9,080	11.0	245	7.2	6.5	<0.41	59.5	0.28	1.8	9.3	33.9	<0.36	153	24.1	<0.0396	<0.0396	<0.0396	27	<5.7	<5.7	<1.5	<1.5
10	18	10/29/2010	9,340	<0.4	7.9	56.6	NA	<0.064	13.7	18	28,800	8.4	683	20.2	<0.4	<0.4	73.4	0.21	0.86	18.5	36.2	<0.34	19.3	<0.99	<0.0384	<0.0384	<0.0384	7.8	<5.5	<5.5	<1.6	<1.6
22	24	10/29/2010	3,760	<0.38	5.3	29.8	NA	0.092	7.7	12	18,500	6.6	581	11.9	<0.38	<0.38	10.2	0.17	0.76	12.1	32.3	<0.32	18.1	<0.81	<0.0373	<0.0373	<0.0373	<5.3	<5.3	<5.3	<1.5	<1.5
8	10	10/28/2010	7,730	<0.53	4.8	45	NA	0.27	10.7	17.6	14,000	10.3	525	16.6	0.64	<0.53	75.7	0.18	1.2	19	49	<0.43	37.2	<1.2	<0.0477	<0.0477	<0.0477	26.1	<6.8	<6.8	<2.2	<2.2
10	12	10/28/2010	16,500	<0.4	12	113	NA	0.27	22.3	24.1	26,700	16.9	496	31.4	<0.4	<0.4	37.3	0.31	1.3	35.4	61.8	<0.37	14.2	<0.77	<0.0406	<0.0406	<0.0406	12.6	<5.8	<5.8	<1.9	<1.9
2	4	10/29/2010	2,930	<0.36	20.7	25.4	NA	0.19	7	36.8	21,900	7.4	719	14.4	<0.36	<0.36	63.5	0.23	<0.73	14	38.1	<0.34	<10.8	<0.95	<0.0377	<0.0377	<0.0377	<5.4	<5.4	<5.4	<1.6	<1.6
10	12	10/29/2010	18,300	<0.49	1.9	96.2	NA	<0.079	23.5	15	29,000	10.2	93.1	19.1	<0.49	<0.49	14.7	0.18	1.2	32.9	68.4	<0.37	<12.4	<0.94	<0.0432	<0.0432	<0.0432	<6.2	<6.2	<6.2	<1.8	<1.8
6	8	10/29/2010	2,620	<0.58	39.8	51.3	NA	0.58	6	12	8,490	53.5	541	4.7	1.6	<0.58	163	1.3	4.1	7.4	46.1	17.8	28,500	1,260	<0.295	<0.295	<0.295	165	<7.8	<7.8	30	30
10	12	10/29/2010	3,750	<0.4	6.6	17.3	NA	0.19	7	10.9	15,000	5.5	252	11.2	<0.4	<0.4	62.3	0.19	<0.8	15.1	35.7	<0.37	25.4	57.8	<0.0391	<0.0391	<0.0391	35.7	<5.6	<5.6	<1.6	<1.6
18	20	10/29/2010	4,470	<0.48	3.7	29.1	NA	0.089	7.6	11.4	11,700	6.6	375	12.3	<0.48	<0.48	94.3	0.16	<0.95	11.2	35.7	<0.33	16.2	<0.84	<0.0376	<0.0376	<0.0376	<5.4	<5.4	<5.4	<1.6	<1.6
12	14	10/29/2010	7,710	<0.48	4.5	29	NA	<0.076	14.3	19.8	29,100	9.1	300	23.6	<0.48	<0.48	13.8	0.21	<0.95	20.9	60.8	<0.36	<11.5	<0.73	<0.0403	<0.						

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable					
			100,000	43	9.5	21,000	220	NE	4,300	77,000	400	2,500	21,000	550	550	66,000	550	32,000	3.1	3.1	3.1	3.1	NE	NE	NE	9.5	9.5	9.5	3.4	3.4	3.4	NE	100,000	11,000	NE		
			100,000	470	30	100,000	2,300	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	560	560	560	33	33	33	NE	100,000	100,000	NE	NE		
			100,000	790	920	100,000	3,800	NE	79,000	100,000	1,000	46,000	35,000	9,800	9,800	9,800	100,000	20	100,000	9,800	100,000	3.1	NE	NE	560	560	560	570	570	570	NE	100,000	100,000	NE	NE		
2	4	03/16/2011	10,300	<0.58	7.8	94.2	NA	0.27	17	41.2	22,700	78.3	288	17.3	1.3	<0.58	31.3	0.24	4.3	27.8	73.5	<0.42	835	117	<0.0413	<0.0413	<0.0413	178	<5.9	<5.9	5	5	5	5	5		
8	10	03/16/2011	3,230	<0.43	7.7	16.3	NA	0.12	8.9	13.8	11,200	7.1	708	31.7	0.78	<0.43	159	NA	0.87	12	29.3	<0.38	209	51.9	<0.0373	<0.0373	<0.0373	31.2	<5.3	<5.3	<1.1	<1.1	<1.1	<1.1	<1.1		
16	18	03/16/2011	8,140	<0.51	7	49	NA	0.22	12.5	18.3	17,700	10.5	424	21.5	1	<0.51	86.1	NA	<1	18.1	58.8	<0.37	20.2	<0.69	<0.0392	<0.0392	<0.0392	26.1	<5.6	<5.6	<1.1	<1.1	<1.1	<1.1	<1.1		
8	9.5	03/14/2011	4,650	<0.43	5.1	34.4	NA	0.19	9	9.2	10,400	7.1	338	10.8	0.57	<0.43	61	0.14	1.8	16.5	31.4	<0.37	<11.4	NA	<0.04	<0.04	<0.04	14.2	<5.7	<5.7	3.3	3.3	3.3	3.3	3.3		
8	9.5	03/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
12	14	03/16/2011	4,900	<0.49	6.4	28.1	NA	0.12	8.6	27.7	12,900	5.7	404	13.1	0.78	<0.49	91.2	0.14	<0.97	13.3	42	<0.41	<11.7	<0.76	<0.0411	<0.0411	<0.0411	13	<5.9	<5.9	<1.2	<1.2	<1.2	<1.2	<1.2		
18	20	03/14/2011	8,270	<0.43	7.2	64.3	NA	0.12	12	12.7	14,000	8.4	386	14.5	0.82	<0.43	107	0.18	1.4	17	41.4	<0.39	11.9	NA	<0.0386	<0.0386	<0.0386	11.7	<5.5	<5.5	3.5	3.5	3.5	3.5	3.5		
6	8	03/17/2011	19,900	<0.5	29.7	224	NA	0.11	32.2	51.7	60,400	21.6	219	23.5	1.8	<0.5	24	0.25	1.2	58.9	95.7	<0.47	43.7	<1.1	<0.0461	<0.0461	<0.0461	352	<6.6	<6.6	9.9	9.9	9.9	9.9	9.9		
10	12	03/17/2011	14,200	<0.47	13.4	113	NA	0.7	26.7	28.3	43,400	16.2	259	24.2	1.6	<0.47	25.8	0.15	<0.94	46.7	90.6	<0.43	68.5	<0.85	<0.0446	<0.0446	<0.0446	154	<6.4	<6.4	<1.3	<1.3	<1.3	<1.3	<1.3		
18	20	03/17/2011	4,900	<0.54	4.2	35.2	NA	0.15	8.4	13.6	14,200	6.3	366	12.7	0.83	<0.54	91.2	0.36	<1.1	12.6	39.2	<0.35	43	<0.67	<0.0384	<0.0384	<0.0384	<5.5	<5.5	<5.5	1.8	1.8	1.8	1.8	1.8		
6	8	03/15/2011	15,500	<0.56	12.6	145	NA	<0.09	42.4	59.5	34,100	18.4	63.7	8.6	1.2	1	17.9	0.23	2	55.3	60.9	<0.48	9,540	10.7	<0.0485	<0.0485	<0.0485	470	<6.9	<6.9	4.1	4.1	4.1	4.1	4.1		
12	14	03/15/2011	27,600	<0.55	4.6	56.2	NA	0.68	26.5	16.5	29,400	10.7	390	96.8	3.3	<0.55	20	0.23	1.7	107	80.9	<0.43	941	1.3	<0.0433	<0.0433	<0.0433	222	<6.2	<6.2	2.2	2.2	2.2	2.2	2.2		
18	20	03/15/2011	4,680	<0.5	3.4	21.4	NA	0.49	8.7	12.3	14,500	8.1	420	12.8	0.72	<0.5	89.2	0.17	1.3	13.3	204	<0.34	37.1	<0.67	<0.0382	<0.0382	<0.0382	8	<5.5	<5.5	1.9	1.9	1.9	1.9	1.9		
6	8	03/15/2011	16,000	<0.63	12.1	117	NA	1.1	20.9	49.7	19,300	38.9	265	19	2.9	<0.63	65.7	0.43	3.8	34.8	129	2.2	5,290	115	<0.0591	<0.0591	<0.0591	344	<8.4	<8.4	30.1	30.1	30.1	30.1	30.1		
16	18	03/15/2011	4,720	<0.39	28.2	45.4	NA	0.25	14.4	9.2	35,800	5.7	844	18.1	0.46	<0.39	70.4	0.35	1	16	35.7	<0.4	30.2	<0.68	<0.0392	<0.0392	<0.0392	<5.6	<5.6	<5.6	6.5	6.5	6.5	6.5	6.5		
8	10	03/16/2011	18,300	<0.61	6.9	145	NA	0.87	23.5	36.3	24,200	24.5	249	20.7	2.7	<0.61	32.5	0.27	1.5	40	124	<0.49	1,370	182	<0.0512	<0.0512	<0.0512	102	<7.3	<7.3	14.2	14.2	14.2	14.2	14.2		
19	20	03/16/2011	4,070	0.53	12.3	19.3	NA	0.16	7.6	33.8	33,400	11.8	378	21	5.2	<0.45	99.1	0.34	<0.9	12.6	44.7	<0.39	16.4	<0.7	<0.0383	<0.0383	<0.0383	<5.5	<5.5	<5.5	<1.1	<1.1	<1.1	<1.1	<1.1		
6	8	03/16/2011	21,300	<0.51	18.7	153	NA	0.26	29.3	25.3	63,600	19.5	336	25.4	1.4	<0.51	19.8	0.21	1.9	54.2	83.7	<0.43	415	245	<0.0447	<0.0447	<0.0447	691	<6.4	<6.4	2.3	2.3	2.3	2.3	2.3		
24	25	03/16/2011	9,200	<0.45	28.1	54.2	NA	0.19	13.3	20.1	19,200	11	386	24.8	1.1	<0.45	87.4	0.28	<0.9	19.4	71.7	<0.36	35.5	<0.85	<0.0378	<0.0378	<0.0378	<5.4	<5.4	<5.4	<1.1	<1.1	<1.1	<1.1	<1.1		
8	10	10/25/2010	4,650	0.55	7.9	41.9	NA	0.21	12.6	28.9	23,800	34.4	326	20.4	0.9	<0.45	46	0.19	4.2	16.7	53	0.39	3,400	158	<0.0417	<0.0417	<0.0417	158	<6	<6	<1.7	<1.7	<1.7	<1.7	<1.7		
18	20	10/25/2010	8,300	<0.38	2.3	63.2	NA	0.11	10.2	15.1	16,200	9.1	437	16.6	<0.38	<0.38	90.6	0.21	0.83	17.2	44.2	<0.36	18.9	<0.84	<0.039	<0.039	<0.039	16	<5.6	<5.6	<1.8	<1.8	<1.8	<1.8	<1.8		
24	25	10/25/2010	9,240	<0.49	8.8	70.6	NA	0.09	13.1	15.7	23,100	9.4	363	22.6	<0.49	<0.49	109	0.3	1.1	19.4	56.4	<0.37	97.1	<0.9	<0.0386	<0.0386	<0.0386	<5.5	<5.5	<5.5	<1.7	<1.7	<1.7	<1.7	<1.7		
6	8	02/16/2011	8,930	1.3	31.3	87.5	NA	1.1	18.1	56.6	13,300	56.6	247	19.1	3.5	<0.65	194	0.5	9.5	25.9	64.9	5.2	9,450	5.1	<0.255	<0.255	<0.255	160	<7.3	<7.3	3.7	3.7	3.7	3.7	3.7		
14	14	02/16/2011	6,880	<0.42	7.8	40.2	NA	0.2	10.6	15	14,100	8.2	217	15.8	0.84	<0.42	43	0.21	3.8	17.7	43.4	0.022	395	<0.71	<0.0393	<0.0393	<0.0393	18.2	<5.6	<5.6	<1.1	<1.1	<1.1	<1.1	<1.1		
18	20	02/16/2011	9,460	<0.54	5.7	42.3	NA	0.2	16.5	19.6	21,800	9.8	371	24.7	1	<0.54	90.5	0.3	1.2	23.4	58.1	<0.021	23.6	<0.8	<0.0398	<0.0398	<0.0398	<5.7	<5.7	<5.7	<1.1	<1.1	<1.1	<1.1	<1.1		
2	4	10/26/2010	4,950	1.4	8.1	2,580	NA	0.41	18.7	83.5	16,200	187	309	18.1	0.74	<0.41	136	0.19	15.8	19.1	237	0.45	622	<0.91	<0.191	<0.191	<0.191	<5.5	<5.5	<5.5	<1.8	<1.8	<1.8	<1.8	<1.8		
8	10	10/26/2010	2,280	<0.55	4	30.2	NA	0.17	8.6	17.1	9,070	13.8	310	13	<0.55	<0.55	83.4	<0.11	3.1	12.3	116	<0.4	60.5	<0.87	<0.0408	<0.0408	<0.0408	<5.8	<5.8	<5.8	<1.8	<1.8	<1.8	<1.8	<1.8		
16	18	10/26/2010	8,050	<0.56	1.8	81.3	NA	<0.089	16.2	18.3	13,600	18.9	294	15.7	<0.56	<0.56	24.8	0.19	4.6	22.2	110	<0.41	109	<1.1	<0.0415	<0.0415	<0.0415	<5.9	<5.9	<5.9	<1.9	<1.9	<1.9	<1.9	<1.9		
8	10	10/25/2010	7,870	<0.48	6.8	72.7	NA	0.47	11.4	19	20,200	27.1	435	19.4	<0.48	<0.48	125	0.34	2.5	17	211	<0.36	83.7	<0.76	<0.0389	<0.0389	<0.0389	<5.6	<5.6	<5.6	<1.5	<1.5	<1.5	<1.5	<1.5		

Sample Date	1,1,2-Trichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylchloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Isopropyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	4-Chloroaniline	Aerophylene	Aerophylene		
Contact	2.1	220	180	28,000	910	100,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	260	NE	150	180	NE	1,800	335	4,500	5,000	NE		
Contact	6.3	220	180	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	95	260	110	140	260	260	NE	150	180	NE	16,000	3,010	41,000	45,000	NE		
Contact	35	220	180	28,000	910	100,000	1,800	740	480	270	3,500	3,100	870	170	820	95	260	110	140	260	260	NE	150	180	NE	34,000	6,740	87,000	100,000	NE		
03/01/2012	<0.0054	<0.0042	<0.0037	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	
03/01/2012	<0.0042	<0.0042	<0.0037	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	
03/01/2012	<0.0037	<0.0037	<0.0037	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	
11/26/2012	<0.0043	<0.0043	<0.0043	<0.0215	<0.0043	<0.0086	<0.0086	<0.0086	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0086	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	
11/26/2012	<0.0039	<0.0039	<0.0039	<0.0194	<0.0039	<0.0077	<0.0039	<0.0077	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0077	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	
11/26/2012	<0.004	<0.004	<0.004	<0.0198	<0.004	<0.0092	<0.004	<0.0092	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0092	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
11/26/2012	<0.0033	<0.0033	<0.0033	<0.0165	<0.0033	<0.0061	<0.0033	<0.0061	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0061	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	<0.0033	
11/26/2012	<0.0037	<0.0037	<0.0037	<0.0187	<0.0037	<0.0076	<0.0037	<0.0076	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0076	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	
11/26/2012	<0.0039	<0.0039	<0.0039	<0.0194	<0.0039	<0.0076	<0.0039	<0.0076	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0076	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	<0.0039	
11/26/2012	<0.0038	<0.0038	<0.0038	<0.0176	<0.0038	<0.0076	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0076	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	
11/26/2012	<0.0052	<0.0052	<0.0052	0.149	<0.0052	0.149	0.0972	<0.0104	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	0.0067	<0.0052	<0.0104	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	<0.0052	
11/26/2012	<0.0037	<0.0037	<0.0037	<0.0184	<0.0037	<0.0073	<0.0037	<0.0073	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0073	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	<0.0037	
11/26/2012	<0.0036	<0.0036	<0.0036	<0.0178	<0.0036	<0.0073	<0.0036	<0.0073	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0073	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	
03/21/2013	<0.0041	0.0099	<0.0036	<0.0203	<0.0041	<0.00813	<0.0041	<0.0081	<0.0041	<0.0041	<0.0163	0.31	<0.0041	<0.0041	<0.0041	<0.0041	<0.0081	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	
03/21/2013	<0.0036	<0.0036	<0.0036	<0.018	<0.0036	<0.0078	<0.0036	<0.0072	<0.0036	<0.0036	<0.0144	0.007	<0.0036	<0.0036	<0.0036	<0.0036	<0.0072	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036
03/21/2013	<0.0038	<0.0038	<0.0038	<0.0192	<0.0038	<0.00769	<0.0038	<0.0077	<0.0038	<0.0038	<0.0154	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0077	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	
03/21/2013	<4.77	<4.77	<4.77	<23.8	<4.77	<95.4	<4.77	<95.4	<4.77	<4.77	<19.1	226	<4.77	<4.77	<4.77	<4.77	<95.4	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	<4.77	
05/29/2013	<0.0036	<0.0036	<0.0036	<0.018	<0.0036	<0.00722	<0.0036	<0.0072	<0.0036	<0.0036	<0.0144	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0072	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	
05/29/2013	<0.408	9.58	4.77	<2.04	<0.408	<8.17	379	<0.817	1.4	1.95	<1.63	1,170	<0.408	3	<0.408	13.5	<9.54	<0.408	<0.408	<0.408	<0.408	<0.408	1.95	0.464	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408	<0.408	
05/29/2013	<0.143	0.457	<0.143	<0.714	<0.143	<2.86	0.104	<0.286	1.19	1.24	<0.572	1.65	<0.143	<0.143	<0.143	<0.143	0.507	0.268	<0.143	0.682	<0.143	<0.143	3.14	0.309	<0.143	<0.143	<0.143	<0.143	<0.143	<0.143	<0.143	
05/29/2013	<0.0036	<0.0036	<0.0036	<0.0181	<0.0036	<0.00726	<0.0036	<0.0073	<0.0036	<0.0036	<0.0145	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0073	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	<0.0036	
05/29/2013	<0.004	<0.004	<0.004	<0.0199	<0.004	<0.0097	<0.004	<0.008	<0.004	<0.004	<0.0159	<0.004	<0.004	<0.004	<0.004	<0.004	<0.008	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
05/29/2013	<0.0048	<0.0048	<0.0048	<0.0239	<0.0048	<0.00956	<0.0048	<0.0096	<0.0048	<0.0048	<0.0191	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	
05/29/2013	<0.004	<0.004	<0.004	<0.0201	<0.004	<0.00805	<0.004	<0.0081	<0.004	<0.004	<0.0161	<0.004	<0.004	<0.004	<0.004	<0.0081	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	
05/29/2013	<0.0056	<0.0056	<0.0056	<0.0278	<0.0056	<0.0111	<0.0056	<0.0111	<0.0056	<0.0056	<0.0222	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0111	<0.0056	<0.0056													

Sample Date	Benzo(h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (H)	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Ethanthrene	Fluorene	Indeno(1,2,3-cd)pyrene	Isophorene	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Phenol	Pyrene	Benzo(e)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Fluoranthene										
03/01/2012	NA	160	4100	12000	21000	1600	82000	21	1000	3000	3000	16	8000	1500	550	340	5000	NE	25000	16	21	210	NE	2100	21000	21	30000	30000					
03/01/2012	NA	100000	100000	100000	100000	1200	1900	68000	68000	12000	100000	100000	3100	NE	100000	51000	45000	NE	100000	12000	100000	100000	1200	100000	100000	100000	1200	68000					
03/01/2012	3.02	5.1	<0.379	5.98	<0.379	1.66	1.75	16.9	3.61	2.85	<0.379	2.17	18.5	<0.379	6.8	<0.379	6.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
03/01/2012	0.506	0.455	<0.396	0.823	<0.396	1.86	<0.396	1.86	<0.396	<0.396	<0.396	<0.396	2.15	<0.396	2.16	<0.396	2.16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
03/01/2012	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	<0.353	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	<0.359	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	<0.443	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	<0.372	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
11/26/2012	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	<0.368	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
03/21/2013	1.1	1.1	<0.369	1.36	<0.369	0.383	<0.369	2.45	<0.369	0.939	<0.369	1.68	1.59	<0.369	1.66	<0.369	1.66	0.445	0.0393	0.452	0.573	1.3	1.19	1.31	0.89	1.17	1.38	0.494	1.87	0.271			
03/21/2013	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
03/21/2013	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	<0.363	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
03/21/2013	1.49	2.69	<0.425	3.13	<0.425	0.786	0.46	5.44	0.532	1.42	<0.425	9.09	3.63	<0.425	4.44	<0.425	4.44	0.86	0.252	1.68	4.19	7.55	5.4	5.32	3.06	5.41	7.44	1.89	15.5	2.44			
05/29/2013	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	<0.347	1.66	0.494	<0.347	<0.347	<0.347	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
05/29/2013	3.46	3.27	<1.89	9.48	<1.89	1.16	14.5	28.3	19.2	3.38	<1.89	<1.89	5.65	<1.89	19.9	NA	NA	65.8	3.94	26.2	24.1	14.9	10.6	9.43	5.04	10.2	14.5	2	50.8	36.5			
05/29/2013	<0.446	<0.446	<0.446	<0.446	<0.446	<0.23	<0.446	2.68	3.72	<0.446	<0.446	<0.446	<0.446	<0.446	<0.446	3.03	<0.446	NA	0.18	1.27	0.894	1.37	0.982	0.884	0.501	0.825	1.26	0.161	3.69	4.01			
05/29/2013	<0.356	<0.356	<0.356	<0.356	<0.356	<0.183	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	NA	NA	<0.054	0.0081	0.0063	0.0161	0.0115	0.0084	0.0099	<0.054	0.0447	0.0066	0.0066			
05/29/2013	<0.358	<0.358	<0.358	<0.358	<0.358	<0.185	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	<0.358	NA	<0.054	<0.054	<0.054	0.0074	0.0063	0.0066	<0.054	0.0058	<0.054	0.0152	<0.054	<0.054			
05/29/2013	<0.414	<0.414	<0.414	<0.414	<0.414	<0.213	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	<0.414	NA	<0.063	<0.063	<0.063	0.0151	0.0114	0.0122	0.0069	0.0115	0.0158	0.0258	<0.063	<0.063			
05/29/2013	<0.357	<0.357	<0.357	<0.357	<0.357	<0.184	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	NA	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054		
05/29/2013	<0.424	<0.424	<0.424	<0.424	<0.424	<0.219	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	<0.424	NA	<0.064	<0.064	<0.064	0.0104	<0.064	0.0121	<0.064	0.0101	0.0153	0.0179	<0.064	<0.064	<0.064		
05/29/2013	<0.355	<0.355	<0.355	<0.355	<0.355	<0.183	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	NA	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053		
05/29/2013	<0.407	<0.407	<0.407	<0.407	<0.407	<0.21	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	<0.407	NA	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	<0.061	
05/29/2013	<0.36	<0.36	<0.36	<0.36	<0.36	<0.185	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	NA	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	
05/29/2013	<0.421	<0.421	<0.421	<0.421	<0.421	<0.217	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	<0.421	NA	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064	<0.064
05/29/2013	<0.355	<0.355	<0.355	<0.355	<0.355	<0.183	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	<0.355	NA	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054
05/29/2013	<0.406	<0.406	<0.406	<0.406	<0.406	<0.209	<0.406	0.959	<0.406	<0.406	<0.406	0.469	1.35	<0.406	0.75	<0.406	0.75	NA	0.145	0.0205	0.095	0.253	0.299	0.197	0.192	0.0992	0.193	0.302	0.0452	0.647	0.248	0.063	0.063
05/29/2013	<0.357	<0.357	<0.357	<0.357	<0.357	<0.184	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	NA	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054	<0.054
05/29/2013	<0.416	<0.416	<0.416	<0.416	<0.416	<0.215	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	<0.416	NA	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063
05/29/2013	<0.357	<0.357	<0.357	<0.357	<0.357	<0.184	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	<0.357	NA	0.006	<0.054	0.0155	0.0187	0.0409	0.0437	0.0436	0.0271	0.0395	0.0496	0.0162	0.0767	0.0119	0.0119	0.0119
05/29/2013	17.9	17.5	<0.389	39.9	<0.389	7.33	2.76	62.6	4.39	16	<0.389	<0.389	5.04	24.6	<0.389	54.8	NA	2.04	0.544	5.99	7.84	24	14.9	14.8	7.98	14.3	24	5.45	43	5.52	5.52	5.52	5.52
08/29/2013	<0.364	<0.364	<0.364	<0.364	<0.364	<0.187	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	<0.364	NA	<0.055	<0.055	<0.055	<0.05											

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable			
4	6	03/01/2012	100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	350	350	66,000	1.1	66,000	550	32,000	3.1	NE	NE	9.5	9.7	3.4	NE	100,000	11,000	NE	100,000			
8	10	03/01/2012	100,000	470	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.7	3.9	NE	100,000	100,000	NE	100,000			
15	16	03/01/2012	4,950	<0.51	10.2	18.4	NA	0.13	8.2	10.9	10,200	6.4	354	13.9	<0.51	85	0.29	<2	12.9	34.4	<0.22	NA	NA	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382	<0.0382		
10	12	11/26/2012	2,950	<1.9	4.1	15.3	NA	<1.9	6.6	12.2	6,820	3.8	256	6.9	<1.9	70.5	<1.9	<1.9	8.7	26.2	<0.21	NA	NA	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107		
18	20	11/26/2012	7,380	<2.1	6.3	42.1	NA	<2.1	8.4	15	14,100	6.9	333	14.9	<2.1	72.8	<2.1	<2.1	14.2	41.8	<0.23	NA	NA	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
18	20	11/26/2012	6,630	<2	10.4	32.5	NA	<2	9.1	16	14,600	7.4	353	19.3	<2	59.1	<2	<2	14.5	97	<0.22	NA	NA	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	
8	10	11/26/2012	6,250	<1.9	7	31.1	NA	<1.9	9.7	15.5	10,200	6.1	248	15.1	<1.9	66.8	<1.9	<1.9	17.6	36.3	<0.23	NA	NA	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	
10	12	11/26/2012	4,450	<1.9	2.2	26.2	NA	<1.9	6.1	11.8	10,300	4.5	297	9	<1.9	85.8	<1.9	<1.9	10.7	30.1	<0.23	NA	NA	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	
18	20	11/26/2012	7,000	<2.1	4.5	44	NA	<2.1	8.3	13.7	12,800	6.2	288	13.1	<2.1	79.9	<2.1	<2.1	13.7	35.3	<0.22	NA	NA	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	
18	20	11/26/2012	6,860	<1.9	5.5	39.2	NA	<1.9	8.6	15.6	13,100	6.6	355	13.5	<1.9	75.8	<1.9	<1.9	13	35.9	<0.24	NA	NA	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	<0.111	
8	10	11/26/2012	9,620	<2.5	8.3	79.9	NA	<2.5	13.6	17.5	16,600	12.4	144	16.8	3.7	<2.5	17.5	<2.5	24.2	74.5	<0.26	NA	NA	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	<0.134	
22	24	11/26/2012	8,970	<2.1	4.5	35.1	NA	<2.1	12.3	16.2	15,700	7	283	18	<2.1	72.2	<2.1	<2.1	20.1	45.9	<0.23	NA	NA	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	<0.113	
8	10	11/26/2012	2,790	<1.9	2	17.1	NA	<1.9	6	4.9	5,240	2.7	190	6.1	<1.9	47.9	<1.9	<1.9	9.3	14.7	<0.21	NA	NA	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	
8	10	03/21/2013	4,430	<2.1	6.8	32.4	NA	<2.1	8.9	19.1	9,690	27.5	225	11.3	<2.1	48.1	<2.1	3.1	13.1	41.7	<0.22	NA	NA	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	<0.112	
18	20	03/21/2013	7,040	<2.1	5.8	42.7	NA	<2.1	9	15.3	13,300	7.6	336	13.5	<2.1	79.3	<2.1	<2.1	14.2	35.6	<0.23	NA	NA	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	
18	20	03/21/2013	7,470	<2.1	24.8	78.8	NA	<2.1	10	15.7	17,200	8	350	16.7	<2.1	62.5	<2.1	<2.1	14.9	40.1	<0.22	NA	NA	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	<0.0385	
8	10	03/21/2013	13,100	<2.4	6.6	116	NA	<2.4	17.7	20	24,900	25	194	24.5	<2.4	19.1	<2.4	2.5	27.3	88.5	0.23	NA	NA	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	<0.129	
18	20	05/29/2013	5,070	<2	3.6	20.7	NA	<2	8.9	12	9,480	4.3	315	10.4	<2	71.5	<2	<2	13.3	29.3	<0.21	43.3	<0.87	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105	<0.105
6	8	05/29/2013	6,550	<2	8.1	35.3	NA	<2	10.9	17.8	14,500	6.1	248	16.9	<2	52.2	<2	<2	19.5	44.3	<0.24	3,100	523	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572	<0.572
10	12	05/29/2013	14,000	<2.5	7.7	95.9	NA	<2.5	17.6	14.6	34,300	11.4	124	14.5	<2.5	20.2	<2.5	<2.5	54.5	93	<0.26	820	54.5	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671	<0.671
18	20	05/29/2013	4,230	<1.9	4.4	22.2	NA	<1.9	6.7	11.1	9,830	4	339	10	<1.9	74.6	<1.9	<1.9	10.9	30.2	<0.21	17.6	<0.93	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108
18.5	20	05/29/2013	3,750	<2	3.2	31.7	NA	<2	6.6	9.8	8,530	3.4	259	8.6	<2	73.1	<2	<2	10.7	21.9	<0.21	16	7.6	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109
4	6	05/29/2013	13,700	<2.3	8.8	84.7	NA	<2.3	18.1	15.5	22,600	11.4	186	15	<2.3	14.3	<2.3	<2.3	29.3	63.7	<0.26	13	<0.98	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125	<0.125
18	20	05/29/2013	5,660	<1.9	5.6	37	NA	<1.9	8.4	14.7	13,700	5.3	406	13.4	<1.9	81.3	<1.9	<1.9	12.8	37.7	<0.21	37.3	<1.1	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379	<0.0379
6	8	05/29/2013	9,520	<2.5	7.5	149	NA	<2.5	16.3	16.4	20,900	11.6	87.5	9.7	<2.5	33.4	<2.5	<2.5	31.2	51.2	<0.26	<12.9	<0.93	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128
18	20	05/29/2013	4,230	<1.8	3.3	20.4	NA	<1.8	6.4	11.2	9,490	4.4	280	9.6	<1.8	89.4	<1.8	<1.8	10.4	40.5	<0.21	<10.8	<0.71	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108	<0.108
6	8	05/29/2013	10,800	<2.2	23.5	65.7	NA	<2.2	15	19.8	33,800	6.6	278	25.1	<2.2	12.6	<2.2	<2.2	48.3	68.8	<0.25	<12.3	<0.87	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123	<0.123
18	20	05/29/2013	6,880	<1.9	25.3	39.4	NA	<1.9	9.2	17.1	14,300	6	271	15.1	<1.9	57	<1.9	<1.9	14.7	36.9	<0.22	13.1	<0.66	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109
6	8	05/29/2013	13,900	<2.2	7.9	80.4	NA	<2.2	13.8	14	16,700	9.5	237	20	<2.2	14.5	<2.2	<2.2	25.4	102	<0.27	679	<0.93	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128	<0.128
18	20	05/29/2013	4,190	<2.1	3.8	21.9	NA	<2.1	9.3	12.7	9,300	4.3	309	10.2	<2.1	69.7	<2.1	<2.1	12.3	28.1	<0.22	24.6	<0.71	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107
6	8	05/29/2013	13,500	<2.3	5.8	71.5	NA	<2.3	18.9	81	16,600	7.2	564	21.2	<2.3	10.8	<2.3	<2.3	35.1	91.2	<0.25	35.5	<0.84	<0.123	<0.123	<0.123	<0.123	<							

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable				
100,000	100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	350	550	550	66,000	1.1	66,000	3.1	32,000	3.1	NE	NE	NE	3.2	9.7	3.4	NE	100,000	11,000	NE	100,000				
100,000	100,000	47	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	9,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.5	3.9	NE	100,000	100,000	NE	100,000				
100,000	100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	36,000	9,800	9,800	9,800	100,000	20	100,000	9,900	100,000	3.1	NE	NE	560	33	570	NE	100,000	100,000	NE	100,000					
4	6	10/11/2013	NA	NA	7.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
1	3	10/11/2013	NA	NA	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
3	5	10/11/2013	NA	NA	17.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
1	3	10/11/2013	NA	NA	8.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3	5	10/11/2013	NA	NA	4.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1	3	10/11/2013	NA	NA	7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3	5	10/11/2013	NA	NA	21.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
1	3	10/11/2013	NA	NA	6.7	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	5	10/11/2013	NA	NA	<2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1	3	10/11/2013	NA	NA	15.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	5	10/11/2013	NA	NA	10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1	3	10/11/2013	NA	NA	9.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	5	10/11/2013	NA	NA	10.9	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1	3	10/11/2013	NA	NA	13.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
3	5	10/11/2013	NA	NA	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
16	18	09/24/2014	8.060	<1.1	4.9	36.2	<0.54	<0.54	9.4	15.1	13,800	6.7	325	15.8	<1.1	<0.54	72.1	<1.1	<5.4	14.5	37.2	<0.23	NA	NA	<0.11	<0.11	<0.11	191	<5.5	<5.5	<0.99	<0.99				
26	28	09/24/2014	7.710	<0.99	6.7	38.8	<0.49	<0.49	8.9	15.2	12,700	8.8	296	14.9	<0.99	<0.49	67.3	<0.99	<4.9	13.8	33.7	<0.23	NA	NA	<0.11	<0.11	<0.11	194	<5.7	<5.7	<1.0	<1.0				
4	6	09/25/2014	5.090	1.4	16.5	39.2	0.7	<0.62	10.3	43.5	40,100	94.7	208	15.5	1.2	<0.62	31.2	<1.2	NA	21.1	91.3	3.3	NA	NA	<1.2	<1.2	<1.2	96.8	<6.6	<6.6	2	2				
16	18	09/25/2014	6.470	<1.0	28.6	33	<0.50	<0.50	8	15.4	13,700	7.2	362	13.3	<1.0	<0.50	119	<1.0	NA	13.2	33.3	<0.21	NA	NA	<0.11	<0.11	<0.11	44.6	<5.5	<5.5	<1.0	<1.0				
26	28	09/25/2014	8.420	<1.1	8	57.4	<0.53	<0.53	11.7	11.2	17,100	5.2	484	17.9	<1.1	<0.53	71.2	1.3	NA	16.3	43.5	<0.24	NA	NA	<0.11	<0.11	<0.11	<5.6	<5.6	<5.6	<1.1	<1.1				
8	10	09/25/2014	6.670	<1.1	5.7	42.3	<0.57	<0.57	12.6	31.2	16,900	20.3	184	13.2	<1.1	<0.57	39.6	<1.1	NA	17.5	41.2	<0.23	NA	NA	<0.12	<0.12	<0.12	47.8	<6.0	<6.0	<1.1	<1.1				
10	12	09/25/2014	6.920	<1.0	6.6	30.8	<0.51	<0.51	8.4	15.1	12,700	7.4	339	14.6	<1.0	<0.51	70.9	<1.0	NA	13.5	41.1	<0.22	NA	NA	<0.11	<0.11	<0.11	44.8	<5.5	<5.5	<1.1	<1.1				
26	28	09/25/2014	7.580	<0.98	7.4	40.6	<0.49	<0.49	11.4	18	15,400	6.5	486	17.7	<0.98	<0.49	65.6	1	NA	16.5	38.7	<0.22	NA	NA	<0.11	<0.11	<0.11	<5.4	<5.5	<5.5	<1.1	<1.1				
12	14	09/25/2014	7.000	<0.96	8.6	31.6	<0.48	<0.48	8.7	15.7	12,900	7	308	16.6	<0.96	<0.48	72.5	<0.96	NA	15.1	36.2	<0.22	NA	NA	<0.11	<0.11	<0.11	18.4	<5.4	<5.4	<0.93	<0.93				
18	20	09/24/2014	8.930	<0.95	4.8	49.9	<0.47	<0.47	9.9	15.3	12,700	7.6	297	15.9	<0.95	<0.47	55.1	<0.95	<4.7	15.9	39	<0.23	NA	NA	<0.11	<0.11	<0.11	80.3	<5.5	<5.5	<1.0	<1.0				
6	8	09/25/2014	9.110	<1.0	8.4	14.2	<0.51	<0.51	26.7	19.9	25,300	4.7	101	6.7	<1.0	<0.51	42.3	2.1	NA	32.1	24.7	<0.20	NA	NA	<0.11	<0.11	<0.11	23.6	<5.7	<5.7	<1.1	<1.1				
18	20	09/25/2014	9.120	<0.99	5.5	58.9	<0.50	<0.50	12.7	14.5	14,800	8.2	280	18.2	<0.99	<0.50	81.5	1.3	NA	17.6	42.9	<0.22	NA	NA	<0.11	<0.11	<0.11	<5.5	<5.6	<5.6	<1.1	<1.1				
6	8	09/25/2014	7.910	<1.4	80.3	68.8	<0.69	1.3	15.9	40.7	12,000	34.9	455	18.4	5	<0.69	198	2.3	NA	21	59.2	1.5	NA	NA	<0.14	<0.14	<0.14	137	<7.0	<7.0	3.3	3.3				
18	20	09/25/2014	8.900	<0.94	5.2	54.5	<0.47	<0.47	12.3	16.8	17,800	9.3	281	18.9	<0.94	<0.47	68.3	1.4	NA	19.2	54.6	<0.21	NA	NA	<0.11	<0.11	<0.11	<5.3	<5.6	<5.6	<1.0	<1.0				
14	16	10/07/2014	6.530	<1.0	4.5	32.1	<0.50	<0.50	8.2	17	12,800	6.8	309	14.7	<1.0	<0.50	68	<1.0	NA	13.1	44.1	<0.22	NA	NA	<0.11	<0.11	<0.11	11.6	<5.5	<5.5	<1.0	<1.0				
15	17	10/07/2014	7.480	<1.1	4.4	35.7	<0.54	<0.54	9.4	15.7	12,800	7.5	323	15.1	<1.1	<0.54	65.2	1.2	NA	14.4	43.3	<0.23	NA	NA	<0.11	<0.11	<0.11	9.7	<5.5	<5.5	<1.1	<1.1				
26	28	10/07/2014	8.590	<1.0	4.4	54.2	<0.52	<0.52	12.4	16.5	12,900	7	301	16.4	<1.0	<0.52	65.8	1.2	NA	18.7	40.1	<0.23	NA	NA	<0.11	<0.11	<0.11	<5.4	<5.5	<5.5	<1.1	<1.1				
8	10	10/07/2014	4.510	5.3	9.7	32.8	<0.56	<0.56	15.2	57.2	28,500	780	303	23.6	<1.1	<0.56	47	<1.1	NA	13.4	82.5	3.4	NA	NA	<0.13	<0.13	<0.13	49.6	<6.4	<6.4	<1.2	<1.2				
18	20	10/07/2014	8.080	<1.1	4	52.2	<0.54	<0.54	11.9	17	15,200	7.5	264	18.6	<1.1	<0.54	73.9	1.2	NA	16.7	45.4	<0.23	NA	NA	<0.11	<0.11	<0.11	9.2	<5.5	<5.5	<1.0	<1.0				
6	8	10/08/2014	4.790	<1.0	2	32	<0.50	<0.50	7.7	7.3	7,520	5.5	169	8.1	<1.0	<0.50	15.3	<1.0	NA	14	27.3	<0.24	NA	NA	<0.11	<0.11	<0.11	13.5	<5.7	<5.7	<1.1	<1.1</				

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total	Recoverable							
14	16	10/09/2014	100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	350	350	66,000	1.1	66,000	550	32,000	3.1	NE	NE	3.2	3.4	3.9	NE	100,000	11,000	NE	100,000							
4	6	03/23/2015	100,000	470	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	NE	NE	9.5	9.7	9.9	NE	100,000	100,000	NE	100,000							
14	16	05/10/2017	100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	100,000	20	100,000	9,800	100,000	3.1	NE	NE	560	33	33	NE	100,000	100,000	NE	100,000							
14	16	10/09/2014	7,270	<1.0	5.1	35.8	<0.50	<0.50	8.8	14.8	13,300	7.3	329	15	<1.0	<0.50	68.4	<1.0	NA	14.9	40.5	<0.21	NA	NA	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11						
4	6	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA						
14	16	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA					
8	10	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				
18	20	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
6	8	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA			
18	20	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
4	6	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
22	24	03/23/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
6	8	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
22	24	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	4	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
22	24	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2	4	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
14	16	03/24/2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
6	8	05/10/2017	12,400	<1.1	10.1	74.3	0.54	<0.530	19.8	23	21,000	8.7	481	24.7	<1.1	<0.530	11.4	3.8	NA	35	68.9	<0.230	NA	NA	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	
14	16	05/10/2017	9,260	<0.960	6.5	53.3	<0.480	<0.480	14.8	16	14,900	6.7	317	21.7	<0.960	<0.480	59.6	3.2	NA	18.7	36.6	<0.210	NA	NA	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100
4	6	05/10/2017	18,600	<1.0	10.7	108	0.72	<0.510	22.4	22.8	27,700	9.5	439	23.7	<1.0	<0.510	13.2	2.2	NA	36.6	73.1	<0.230	NA	NA	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120
14	16	05/10/2017	7,080	<1.0	4.9	38.4	<0.510	<0.510	12.2	18.1	12,600	5.5	300	14.2	<1.0	<0.510	75.3	3.6	NA	15.4	34.2	<0.200	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
6	8	05/11/2017	14,000	<1.1	6	70.4	0.54	<0.530	17.7	16.5	16,600	6.2	195	15.8	<1.1	<0.530	9.4	<1.1	NA	30.7	57.2	<0.260	NA	NA	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120
14	16	05/11/2017	7,950	<1.0	4.4	41.2	<0.500	<0.500	11.7	14.9	11,600	5.8	301	14.1	<1.0	<0.500	83.3	<1.0	NA	15.7	27.8	<0.230	NA	NA	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120
16	18	05/11/2017	9,490	<0.960	5	46.9	<0.480	<0.480	12.9	16	14,100	6.7	320	15	<0.960	<0.480	64.7	<0.960	NA	18.3	30.9	<0.230	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
4	6	05/11/2017	5,720	<0.980	5	26.5	<0.490	<0.490	8.6	13.3	9,830	5.8	269	11.3	<0.980	<0.490	72.4	<0.980	NA	14.8	30.4	<0.220	NA	NA	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120	<0.120
6	8	05/11/2017	5,040	<0.920	4.5	23	<0.460	<0.460	8.1	11.8	8,980	4.7	245	9.8	<0.920	<0.460	72.4	<0.920	NA	13.4	28.1	<0.210	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
22	24	05/11/2017	4,920	<1.1	2.8	16.4	<0.530	<0.530	8.6	11.3	8,950	4.9	324	9.7	<1.1	<0.530	68.5	<1.1	NA	14	28.6	<0.200	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
4	6	05/11/2017	917	2.6	11.3	44.6	<0.530	1.3	9.4	99.7	28,100	16.7	193	9.1	1.8	<0.530	37.2	1.1	NA	6.6	21.5	<0.220	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
4	6	05/11/2017	1,340	1.3	13	46.8	0.73	1.8	20.5	150	55,300	20.4	271	16.9	1.7	1	33.9	<1.3	NA	9.1	42.7	<0.280	NA	NA	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140	<0.140
14	16	05/11/2017	4,840	<0.960	3.4	25.8	<0.480	<0.480	5.9	9.9	8,150	4.6	285	8.8	<0.960	<0.480	69.5	<0.960	NA	7.9	24.7	<0.230	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
6	8	05/10/2017	9,380	<1.1	10.9	79.1	<0.570	<0.570	14.1	17.6	17,400	9.5	265	16.2	<1.1	<0.570	18.3	2.5	NA	27.2	58.3	<0.240	NA	NA	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130	<0.130
18	20	05/10/2017	11,700	<1.1	5.6	72.6	0.7	<0.540	15	15.7	12,700	9	304	14.6	<1.1	<0.540	66.5	<1.1	NA	22.9	43.4	<0.210	NA	NA	<0.110	<0.110	<0.110	<0.110	<0.										

Sample Date	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Butylbenzylphthalate	Chrysene (H)	Di-n-butylphthalate	Dibenz(a,h)anthracene	Dibenzofuran	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isophorene	N-Nitrosodiphenylamine	Naphthalene	Phenanthrene	Phenol	Pyrene	bis(2-Ethylhexyl)phthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (H)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Fluoranthene
06/25/2012	NA	1,000,000	100,000	4,100	8,800	1,600	1,000	3,400	16	8,000	1,500	53	NE	27,000	2,500	550	340	5,000	NE	25,000	16	1,600	16	16	NE	160	1,600	3,400	3,400
06/25/2012	NA	2,100	12,000	21,000	30,000	21	1,000	30,000	210	24,000	4,700	170	NE	100,000	23,000	1,600	3,000	45,000	NE	100,000	210	21	210	210	NE	2,100	21,000	21	30,000
02/14/2011	NA	100,000	100,000	68,000	68,000	1,200	1,900	68,000	12,000	100,000	100,000	3,100	NE	100,000	51,000	34,000	6,800	100,000	NE	100,000	12,000	500	12,000	12,000	NE	100,000	100,000	1,200	68,000
02/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/14/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
05/17/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
02/15/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
06/25/2012	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366	<0.366
06/25/2012	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382	<0.382
06/25/2012	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406	<0.406
06/26/2012	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
06/26/2012	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428	<0.428
06/26/2012	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448	<0.448
06/26/2012	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356	<0.356
06/27/2012	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91	<1.91
06/27/2012	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349	<0.349
06/27/2012	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422	<0.422
07/17/2016	NA	<0.340	NA	NA	NA	NA	<0.340	NA	NA	<0.340	<0.340	NA	NA	<0.340	NA	<0.340	NA	0.034	<0.0052	0.01	0.047	0.033	0.069	0.051	0.051	0.051	0.016	0.18	<0.0052
07/17/2016	NA	<0.370	NA	NA	NA	NA	<0.370	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.370	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055
07/17/2016	NA	<0.380	NA	NA	NA	NA	<0.380	NA	NA	<0.380	<0.380	NA	NA	<0.380	NA	<0.380	NA	0.064	<0.029	<0.029	0.1	0.11	0.11	0.1	0.1	0.1	<0.029	0.14	<0.029
07/17/2016	NA	<0.370	NA	NA	NA	NA	<0.370	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.370	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
07/17/2016	NA	<0.410	NA	NA	NA	NA	<0.410	NA	NA	<0.410	<0.410	NA	NA	<0.410	NA	<0.410	NA	0.026	<0.0062	0.012	0.033	0.023	0.032	0.022	0.025	0.025	0.0086	0.048	<0.0062
07/17/2016	NA	<0.360	NA	NA	NA	NA	<0.360	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.360	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
07/17/2016	NA	<0.390	NA	NA	NA	NA	<0.390	NA	NA	<0.390	<0.390	NA	NA	<0.390	NA	<0.390	NA	0.16	0.088	0.07	0.43	1.8	1.4	1.4	0.87	1.2	0.39	2.8	0.11
07/17/2016	NA	<0.360	NA	NA	NA	NA	<0.360	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.360	NA	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054	<0.0054
07/17/2016	NA	<0.390	NA	NA	NA	NA	<0.390	NA	NA	<0.390	<0.390	NA	NA	<0.390	NA	<0.390	NA	0.1	0.18	0.15	0.52	1.6	1.1	1.1	0.7	1	0.33	3.4	0.22
07/17/2016	NA	<0.370	NA	NA	NA	NA	<0.370	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.370	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056
07/17/2016	NA	<0.370	NA	NA	NA	NA	<0.370	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.370	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Sample Date	1.1.2-Trichloroethane	1.2-Butanone (MEK)	2-Chlorotoluene	Acetone	Benzene	Carbon disulfide	Ethylbenzene	Isopropylbenzene (Cumene)	Methylene Chloride	Naphthalene	Styrene	Tetrachloroethene	Toluene	Trichloroethene	Xylene (Total)	n-Butylbenzene	n-Hexane	n-Propylbenzene	p-Propyltoluene	sec-Butylbenzene	tert-Butylbenzene	All Remaining VOCs	2,4-Dimethylphenol	2-Methylnaphthalene	2-Methylphenol (o-Cresol)	4-Chloroaniline	Acephenhene	Acephenylene
07/07/2016	2.1	28,000	910	85,000	17	740	81	270	490	53	870	110	820	5.7	260	110	140	260	NE	150	180	NE	1,800	335	4,500	38	5,000	NE
07/07/2016	6.3	28,000	910	100,000	51	740	250	270	3,200	170	870	170	820	19	260	110	140	260	NE	150	180	NE	16,000	3,010	41,000	110	45,000	NE
07/08/2016	35	28,000	910	100,000	1,800	740	480	270	3,500	3,100	870	170	820	95	260	110	140	260	NE	150	180	NE	34,000	6,740	87,000	6,000	100,000	NE
07/08/2016	<0.0078	<0.039	<0.0078	<0.160	<0.0078	<0.016	<0.0078	<0.0078	<0.031	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	<0.016	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	<0.0078	BRL	<0.440	NA	<0.870	NA	NA	
07/07/2016	<0.0044	<0.022	<0.0044	<0.089	<0.0044	<0.0089	<0.0044	<0.0044	<0.018	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0089	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	BRL	NA	<0.720	NA	NA	NA	
07/08/2016	<0.0057	<0.028	<0.0057	<0.110	<0.0057	<0.011	<0.0057	<0.0057	<0.023	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.011	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	BRL	NA	<0.780	NA	NA	NA	
07/08/2016	<0.0048	<0.024	<0.0048	<0.096	<0.0048	<0.0096	<0.0048	<0.0048	<0.019	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0096	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	<0.0048	BRL	NA	<0.730	NA	NA	NA	
07/08/2016	<0.0050	<0.025	<0.0050	<0.099	<0.0050	<0.0099	<0.0050	<0.0050	<0.020	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0099	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	BRL	NA	<0.770	NA	NA	NA	
07/08/2016	<0.0043	<0.022	<0.0043	<0.086	<0.0043	<0.0086	<0.0043	<0.0043	<0.017	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0086	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	<0.0043	BRL	NA	<0.720	NA	NA	NA	
07/08/2016	<0.0069	<0.035	<0.0069	<0.140	<0.0069	<0.014	<0.0069	<0.0069	<0.028	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.014	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	<0.0069	BRL	NA	<0.840	NA	NA	NA	
07/08/2016	<0.0053	<0.026	<0.0053	<0.110	<0.0053	<0.011	<0.0053	<0.0053	<0.021	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.011	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	<0.0053	BRL	NA	<0.730	NA	NA	NA	
07/08/2016	<0.0090	<0.045	<0.0090	<0.180	<0.0090	<0.018	<0.0090	<0.0090	<0.036	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.018	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	<0.0090	BRL	NA	<0.880	NA	NA	NA	
07/08/2016	<0.0044	<0.022	<0.0044	<0.087	<0.0044	<0.0087	<0.0044	<0.0044	<0.017	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.018	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	<0.0044	BRL	NA	<0.730	NA	NA	NA	
07/08/2016	<0.0046	<0.023	<0.0046	<0.091	<0.0046	<0.0091	<0.0046	<0.0046	<0.018	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0091	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	<0.0046	BRL	NA	<0.800	NA	NA	NA	
07/08/2016	<0.0042	<0.021	<0.0042	<0.084	<0.0042	<0.0084	<0.0042	<0.0042	<0.017	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0084	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	<0.0042	BRL	NA	<0.750	NA	NA	NA	
10/29/2010	<0.0106	<0.0529	<0.0106	<0.212	<0.0106	<0.0212	<0.0106	<0.0106	<0.0423	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0212	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	<0.0106	BRL	<0.36	<0.72	<0.72	<0.36	<0.415	
10/28/2010	<0.005	<0.0248	<0.005	<0.0991	<0.005	<0.0099	<0.005	<0.005	<0.0198	<0.005	<0.005	<0.005	<0.005	<0.005	<0.0099	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	BRL	<0.415	<0.829	<0.829	<0.415	<0.415	

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Sample Date	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Dibenz(a,h)anthracene	Dibenzofuran	Fluorene	Fluoranthene	Indeno(1,2,3-cd)pyrene	Isophorone	N-Nitrosodiphenylamine	Naphthalene	Phenol	Pyrene	bis(2-Ethylhexyl)phthalate	1-Methylphthalate	2-Methylphthalate	Acenaphthylene	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene (H)	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Benzo(k)fluoranthene	Chrysene (H)	Dibenz(a,h)anthracene	Fluorene				
07/07/2016	NA	160	1,600	16	16	160	1,600	1.6	1.6	1,000	3,400	3,400	16	8,000	1,500	53	27,000	2,500	550	340	5,000	NE	25,000	16	16	16	16	160	1,600	1.6	1.6	3,400	3,400			
07/07/2016	NA	2,100	21,000	210	210	2,100	21,000	21	21	1,000	30,000	30,000	210	24,000	4,700	170	100,000	23,000	1,600	3,000	45,000	NE	100,000	210	210	210	210	2,100	21,000	21	21	21,000	21,000			
07/08/2016	NA	2,100	21,000	210	210	2,100	21,000	21	21	1,900	68,000	68,000	210	24,000	4,700	170	100,000	23,000	1,600	3,000	6,800	100,000	NE	100,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	68,000	68,000
07/07/2016	NA	NA	<0.440	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.440	<0.440	NA	NA	<0.440	NA	0.69	0.026	0.082	0.0093	0.035	0.013	0.013	0.013	0.041	0.02	0.11	0.11	0.011	0.05	0.012			
07/07/2016	NA	NA	<0.360	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055		
07/08/2016	NA	NA	<0.390	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.390	<0.390	NA	NA	<0.390	NA	0.065	0.13	0.031	0.24	0.43	0.37	0.37	0.33	0.25	0.33	0.45	0.1	1	0.11				
07/08/2016	NA	NA	<0.360	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055			
07/08/2016	NA	NA	<0.380	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.380	<0.380	NA	NA	<0.380	NA	<0.029	<0.029	<0.029	<0.029	0.039	0.029	0.029	0.03	<0.029	<0.029	0.047	<0.029	<0.029	0.072				
07/08/2016	NA	NA	<0.360	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055			
07/08/2016	NA	NA	<0.420	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.420	<0.420	NA	NA	<0.420	NA	0.05	0.06	0.054	0.22	0.53	0.42	0.42	0.38	0.25	0.39	0.35	0.12	1.1	0.067				
07/08/2016	NA	NA	<0.370	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055			
07/08/2016	NA	NA	<0.440	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.440	<0.440	NA	NA	<0.440	NA	0.14	<0.033	0.054	0.063	0.18	0.16	0.21	0.13	0.14	0.28	0.058	0.33	<0.033	<0.033				
07/08/2016	NA	NA	<0.360	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.360	<0.360	NA	NA	<0.360	NA	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055	<0.0055			
07/08/2016	NA	NA	<0.400	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.400	<0.400	NA	NA	<0.400	NA	<0.030	<0.030	<0.030	<0.030	0.037	0.030	0.030	0.032	<0.030	<0.030	0.045	<0.030	<0.030	0.079				
07/08/2016	NA	NA	<0.370	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.370	<0.370	NA	NA	<0.370	NA	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057	<0.0057			
10/29/2010	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36		
10/28/2010	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415	<0.415		

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Depth (ft/bg)	Depth (ft/bg)	Sample Date	Aluminum	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Iron	Lead	Manganese	Nickel	Selenium	Silver	Strontium	Thallium	Tin	Vanadium	Zinc	Mercury	Extended Range Or	Gasoline Range Or	PCB-1248 (Aroclor)	PCB-1254 (Aroclor)	PCB-1260 (Aroclor)	Nitrogen, Ammonia	Nitrogen, Nitrate	Nitrogen, Nitrite	Phenolics, Total Recoverable
			100,000	43	9.5	21,000	220	NE	NE	4,300	77,000	400	2,500	2,100	550	550	66,000	1.1	66,000	32,000	3.1	3.1	NE	NE	3.2	1.7	3.4	NE	100,000	11,000	NE
			100,000	470	30	100,000	2,300	NE	NE	47,000	100,000	800	26,000	22,000	5,800	5,800	100,000	12	100,000	5,800	100,000	3.1	3.1	NE	9.5	9.7	9.9	NE	100,000	100,000	NE
			100,000	790	920	100,000	3,800	NE	NE	79,000	100,000	1,000	46,000	38,000	9,800	9,800	100,000	20	100,000	9,900	100,000	3.1	3.1	NE	560	33	570	NE	100,000	100,000	NE
4	6	07/07/2016	14,000	1.4	30.6	776	3	3.6	37	150	91,000	839	455	33.1	<1.2	<0.610	307	2.8	NA	43.7	1,260	0.78	NA	NA	<0.130	<0.130	<0.130	<6.6	<6.6	<6.6	1.3
26	28	07/07/2016	8,430	<1.1	6.9	44.4	<0.530	<0.530	12.6	15.3	14,200	8	325	18.7	<1.1	<0.530	70.3	<1.1	NA	17.4	40	<0.220	NA	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<1.1
4	6	07/08/2016	11,900	11.3	15	270	0.59	1.4	24.6	207	48,000	1,590	443	22	<0.990	<0.500	61.3	1.2	NA	24.4	349	4.4	NA	NA	<0.120	<0.120	<0.120	<5.9	<5.9	<5.9	<1.2
26	28	07/08/2016	8,140	<1.1	8.2	57.3	<0.530	<0.530	12.3	25.2	18,200	11.6	251	18.7	<1.1	<0.530	59.3	<1.1	NA	17.9	50.4	<0.230	<0.230	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<1.1
4	6	07/08/2016	5,290	<1.1	5.3	88	<0.540	1.3	9.3	19.3	10,900	92.9	240	11.2	<1.1	<0.540	15.6	<1.1	NA	15.3	691	<0.220	<0.220	NA	<0.120	<0.120	<0.120	<5.8	<5.8	<5.8	<1.2
22	24	07/08/2016	8,200	<1.0	6.5	47.1	<0.500	<0.500	12.9	15.2	13,200	6.8	330	17.7	<1.0	<0.500	69.4	1	NA	17.5	43.4	0.82	NA	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<1.1
4	6	07/08/2016	9,860	<1.2	14.3	204	2.4	0.91	10.6	44	16,100	194	200	19.2	<1.2	<0.600	168	2.4	NA	30.3	187	<0.260	NA	NA	<0.130	<0.130	<0.130	<6.4	<6.4	<6.4	<1.2
26	28	07/08/2016	7,010	<1.0	5.2	27.5	<0.510	<0.510	10.6	13.5	11,700	5.6	301	15.2	<1.0	<0.510	95.3	<1.0	NA	16.1	33.9	<0.230	<0.230	NA	<0.110	<0.110	<0.110	<5.5	<5.5	<5.5	<1.1
2	4	07/08/2016	10,600	<1.3	23.1	222	3	2.9	17.9	43.5	22,500	273	258	18.7	<1.3	0.67	188	3.1	NA	33.5	345	1.8	NA	<0.130	<0.130	<0.130	<6.6	<6.7	<6.7	<1.3	
26	28	07/08/2016	8,420	<1.0	7.8	78.2	<0.500	<0.500	13.1	18.3	16,900	8.5	287	18.5	<1.0	<0.500	64.7	<1.0	NA	19	46.7	0.42	NA	NA	<0.110	<0.110	<0.110	5.5	<5.5	<5.5	<1.1
2	4	07/08/2016	11,000	<1.0	8.7	52.8	<0.520	<0.520	14.2	18.2	15,300	12.6	359	17.5	<1.0	<0.520	40.6	1.3	NA	25.3	52.5	0.73	NA	NA	<0.120	<0.120	0.15	<6.1	<6.1	<6.1	<1.2
26	28	07/08/2016	9,530	<1.0	11	70.2	<0.500	<0.500	13	16.2	18,200	6.7	258	17.9	<1.0	<0.500	64.5	1.4	NA	18.8	49	<0.220	<0.220	NA	<0.110	<0.110	<0.110	45.8	<5.7	<5.7	<1.1
15.5	16.5	10/29/2010	5,560	<0.48	4.5	35	NA	<0.077	10.8	14.5	13,400	15.9	392	17.7	<0.48	<0.48	147	0.22	1.6	16.5	35	<0.35	<10.9	<0.0382	<0.0382	<0.0382	5.5	<5.5	<5.5	<1.5	
7	8	10/28/2010	12,900	<0.56	6.6	78.8	NA	0.33	13.3	17.4	23,400	11	601	20.2	<0.56	<0.56	23.8	0.33	1.2	23.7	71.8	<0.39	<12.6	<0.044	<0.044	<0.044	<6.3	<6.3	<6.3	<1.8	

The following notes summarize the color of screening level (SL) exceedances:
BOLD = Constituent detected above Laboratory Reporting Level

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
SEMW-1	06/08/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	09/12/2011	< Res Tap					
	12/13/2011	< Res Tap					
	03/06/2012	< Res Tap					
	06/29/2012	< Res Tap					
	09/11/2012	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/30/2017	< Res Tap					
	5/4/2017	< Res Tap					
SEMW-2	06/07/2011	< Res Tap					
	09/12/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	10/7/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	10/7/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	10/17/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	12/13/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	> Res Tap
	01/04/2012	< Res Tap	NA	< Res Tap	< Res Tap	NA	NA
	1/13/2012	< Res Tap	NA	< Res Tap	< Res Tap	NA	NA
	03/05/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	06/28/2012	< Res Tap					
	09/12/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
9/25/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEMW-3	12/1/2010	< Res Tap					
	4/5/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	06/08/2011	< Res Tap					
	09/13/2011	< Res Tap					
	12/14/2011	< Res Tap					
	03/06/2012	< Res Tap					
	06/29/2012	< Res Tap					
	09/11/2012	< Res Tap					
	5/26/2015	< Res Tap					
	9/24/2015	< Res Tap					
	12/1/2015	< Res Tap					
	2/10/2016	< Res Tap					
3/21/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
5/4/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	

Notes:

> Res Tap = Constituent detected above the 2017 IDEM RCG Residential Tap SL

> Com VIGWSL = Constituent detected above the 2017 IDEM RCG Com/Ind VIGWSL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

Com/Ind = Commercial/Industrial

VIGWSL = Vapor Intrusion Groundwater Screening Level

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
SEM4-4	12/1/2010	< Res Tap					
	4/5/2011	< Res Tap					
	06/08/2011	< Res Tap					
	09/13/2011	< Res Tap					
	12/13/2011	< Res Tap					
	03/06/2012	< Res Tap					
	06/28/2012	< Res Tap					
	09/11/2012	< Res Tap					
	3/21/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/4/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEM4-5	12/1/2010	< Res Tap					
	4/5/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	06/08/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/13/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	10/7/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	10/7/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	10/17/2011	< Res Tap	NA	NA	NA	< Res Tap	NA
	12/14/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	03/06/2012	< Res Tap					
	06/29/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/11/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
5/16/2016	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
SEM4-6	11/30/2010	< Res Tap					
	4/5/2011	< Res Tap					
	06/07/2011	< Res Tap					
	09/12/2011	< Res Tap					
	12/13/2011	< Res Tap					
	1/5/2012	< Res Tap	NA	NA	NA	< Res Tap	< Res Tap
	03/05/2012	< Res Tap					
	06/27/2012	< Res Tap					
	09/12/2012	< Res Tap					
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
5/4/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	

Notes:

> Res Tap = Constituent detected above the 2017 IDEM RCG Residential Tap SL

> Com VIGWSL = Constituent detected above the 2017 IDEM RCG Com/Ind VIGWSL

IDEM = Indiana Department of Environmental Management

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All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
SEMW-7	11/30/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/5/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	06/08/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	09/12/2011	< Res Tap					
	12/14/2011	< Res Tap					
	03/05/2012	< Res Tap					
	06/27/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/12/2012	< Res Tap					
	9/24/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/30/2017	< Res Tap					
5/11/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEMW-8	11/30/2010	< Res Tap					
	4/5/2011	< Res Tap					
	06/07/2011	< Res Tap					
	09/12/2011	< Res Tap					
	12/12/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	03/05/2012	< Res Tap					
	06/27/2012	< Res Tap					
	09/12/2012	< Res Tap					
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
5/12/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
SEMW-9	11/30/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	4/5/2011	< Res Tap					
	06/07/2011	< Res Tap					
	09/12/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/12/2011	< Res Tap					
	03/05/2012	< Res Tap					
	06/27/2012	< Res Tap					
	09/12/2012	< Res Tap					
	9/24/2015	< Res Tap					
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
5/11/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	

Notes:

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
SEMW-10	06/28/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	7/18/2012	> Res Tap	NA	NA	NA	> Res Tap	NA
	7/18/2012	< Res Tap	NA	NA	NA	< Res Tap	NA
	7/24/2012	> Res Tap	NA	NA	NA	> Res Tap	NA
	7/24/2012	< Res Tap	NA	NA	NA	< Res Tap	NA
	09/12/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	10/12/2012	< Res Tap					
	11/5/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	11/5/2012	< Res Tap	NA	NA	NA	< Res Tap	< Res Tap
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/22/2017 (DUP-4)	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/17/2017	< Res Tap					
5/17/2017 (DUP-4)	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEMW-11	6/28/2012	< Res Tap					
	09/12/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	10/12/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	11/5/2012	< Res Tap					
	11/5/2012	< Res Tap	NA	NA	NA	< Res Tap	< Res Tap
	11/7/2012	> Res Tap	NA	NA	NA	NA	> Res Tap
9/24/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEMW-12	06/28/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/12/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	10/12/2012	< Res Tap					
	11/5/2012	< Res Tap					
	11/5/2012	< Res Tap	NA	NA	NA	< Res Tap	< Res Tap
	11/7/2012	< Res Tap	NA	NA	NA	NA	< Res Tap
	3/22/2017	< Res Tap					
5/11/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
SEMW-13	5/18/2017	< Res Tap					
	5/18/2017 (DUP-10)	< Res Tap					
GSMW-1	12/6/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	< Res Tap					
	9/13/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/7/2012	< Res Tap					
	7/12/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/27/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/16/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-2	12/3/2010	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	4/7/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/6/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/10/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/19/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/23/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/5/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-3	12/2/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/14/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/7/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/10/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-4	12/6/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/14/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/7/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	7/12/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/30/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/5/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-5	12/6/2010	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	4/7/2011	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	9/14/2011	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/7/2012	> Com VIGWSL	> Res Tap	< Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	6/20/2013	> Res Tap	> Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/29/2017	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	3/29/2017 (DUP-5)	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	5/10/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-6	12/2/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/14/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/6/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/20/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

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GSMW-7	12/6/2010	> Com VIGWSL	> Res Tap	< Res Tap	> Com VIGWSL	< Res Tap	< Res Tap
	4/7/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	9/14/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	3/6/2012	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	6/20/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/9/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-8	12/6/2010	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	4/7/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-8R	3/6/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/10/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/11/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-9	12/3/2010	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	4/7/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/14/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/5/2012	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
GSMW-10	12/3/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/6/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/13/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/29/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/9/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
GSMW-11	12/2/2010	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	4/7/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/5/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/19/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	5/26/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
2/11/2016	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-12	4/7/2011	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	9/15/2011	> Res Tap	< Res Tap	NA	NA	> Res Tap	< Res Tap
	3/6/2012	< Res Tap					
	9/11/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	6/20/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/24/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/16/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-13	12/2/2010	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/7/2011	< Res Tap					
	9/15/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/7/2012	< Res Tap					
	9/13/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/20/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/11/2016	< Res Tap					
	3/27/2017	< Res Tap					
5/15/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
5/15/2017(DUP-6)	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
GSMW-14	4/7/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/13/2011	< Res Tap					
	3/5/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	7/11/2013	> Res Tap	> Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
GSMW-15	4/7/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	9/13/2011	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/6/2012	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/19/2013	> Res Tap	> Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	12/12/2013	< Res Tap					
GSMW-16	4/7/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	9/14/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/6/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-17	12/2/2010	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	1/11/2011	< Res Tap	NA	NA	NA	NA	< Res Tap
	4/7/2011	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	9/14/2011	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/8/2012	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	6/19/2013	> Com VIGWSL	> Com VIGWSL	NA	< Res Tap	> Res Tap	> Res Tap
	12/17/2014	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	3/23/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap
	5/9/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-18	4/5/2011	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	9/15/2011	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	3/7/2012	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	9/11/2012	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	6/20/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	> Res Tap	< Res Tap
	12/16/2014	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	3/27/2017	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	5/15/2017	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
5/15/2017(DUP-5)	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap	
GSMW-19	12/1/2010	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	4/5/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/8/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/19/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/21/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/9/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
GSMW-20	3/7/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/13/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/11/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-21	3/9/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/11/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/20/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/21/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/9/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap

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Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-22	3/5/2012	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/26/2012	< Res Tap	NA	NA	< Res Tap	NA	< Res Tap
	4/4/2012	< Res Tap	NA	NA	< Res Tap	NA	< Res Tap
	9/10/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/19/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/24/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/24/2017(DUP-6)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/12/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/12/2017(DUP-7)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
GSMW-23	7/11/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/24/2017	< Res Tap					
	5/5/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-24	7/11/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/17/2015	< Res Tap					
	3/24/2017	< Res Tap					
	5/9/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
GSMW-25	7/11/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/17/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/9/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-26	7/11/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/17/2013	< Res Tap					
	12/12/2013	< Res Tap					
	3/17/2015	< Res Tap					
	3/30/2017	< Res Tap					
	5/12/2017	< Res Tap					

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All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-27	6/21/2013	> Com VIGWSL	> Com VIGWSL	NA	< Res Tap	> Res Tap	< Res Tap
	9/17/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/13/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	7/27/2015 (MWD-2)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	7/28/2015 (MWD-2)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/2/2015 (MW-DUF)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	11/2016 (MW-DUF)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/30/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/4/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
GSMW-28	6/20/2013	> Res Tap	> Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/30/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/5/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
GSMW-29	6/21/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/17/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-30	6/20/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-31	6/20/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	> Res Tap
	9/18/2013	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/24/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/10/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	

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- All screening levels are based on the RCG table A-6 screening levels with updates
- PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
GSMW-32	9/17/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/18/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/28/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-33	9/18/2013	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	12/11/2013	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2014	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	1/18/2015 (MWD-2)	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	1/28/2015 (MWD-4)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
5/9/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
GSMW-35	12/16/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/19/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/29/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/9/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
GSMW-36	3/27/2015	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Res Tap	> Res Tap	> Res Tap
	5/29/2015	> Com VIGWSL	> Com VIGWSL	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Com VIGWSL	> Com VIGWSL	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/23/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/9/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-1	4/8/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	09/15/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	03/08/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	9/13/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	6/21/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	> Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	> Res Tap
12/15/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
CSMW-2	4/11/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/15/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	03/08/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/21/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/27/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/11/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-3	4/8/2011	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	09/15/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	03/08/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/21/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/18/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/28/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/12/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-4	4/8/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/15/2011	< Res Tap					
	03/08/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/13/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	6/24/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	> Res Tap
	3/27/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	> Res Tap
	5/11/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-5	4/8/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	6/24/2013	> Res Tap	> Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-6	4/11/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	09/16/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	03/09/2012	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/24/2013	> Res Tap	< Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
	9/23/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/29/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/16/2017	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
CSMW-7	4/8/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	09/15/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	03/12/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2012	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/24/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/10/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
CSMW-8	4/11/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	09/15/2011	< Res Tap	< Res Tap	NA	NA	NA	NA
	03/12/2012	< Res Tap	< Res Tap	NA	NA	NA	NA
	6/24/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/17/2015 (MWD-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/26/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/26/2015 (MWD-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/24/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/24/2015 (MWD-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/10/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
2/10/2016 (MW-DUP-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
4/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
5/15/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
CSMW-9	4/11/2011	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
CSMW-10	4/8/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	09/15/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	03/09/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/24/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/21/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/10/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
CSMW-11	4/8/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	09/15/2011	< Res Tap	NA	NA	NA	NA	NA
	03/12/2012	< Res Tap	NA	NA	NA	NA	NA
	6/25/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	4/3/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/16/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
CSMW-12	4/8/2011	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	6/24/2013	> Res Tap	< Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
CSMW-13	4/8/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	09/15/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	03/09/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/13/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/25/2013	< Res Tap	NA	NA	NA	NA	NA
	3/27/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/11/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
CSMW-14	4/11/2011	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	6/24/2013	> Res Tap	> Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
	3/28/2017	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/28/2017 (DUP-2)	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/16/2017	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/16/2017 (DUP-3)	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
CSMW-15	4/8/2011	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	09/15/2011	< Res Tap	< Res Tap	NA	NA	NA	NA
	03/12/2012	< Res Tap	< Res Tap	NA	NA	NA	NA
	9/13/2012	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	6/24/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/21/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/10/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
CSMW-16	06/25/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	> Res Tap	< Res Tap
	9/24/2013	> Com VIGWSL	> Res Tap	> Res Tap	> Com VIGWSL	> Res Tap	> Res Tap
	12/16/2013	> Com VIGWSL	> Res Tap	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	> Res Tap	> Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/29/2017	> Res Tap	> Res Tap	> Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/12/2017	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Res Tap	> Res Tap	< Res Tap
CSMW-17	06/25/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/24/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	> Res Tap
	12/17/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/15/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/29/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	3/29/2017 (DUP-3)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
5/12/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	

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Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
CSMW-18	06/25/2013	> Res Tap	< Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
	9/24/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/16/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
CSMW-19	06/25/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/23/2013	> Res Tap	< Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2013	> Res Tap	< Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/17/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/28/2017	> Res Tap	< Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-20	9/24/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-21	9/23/2013	> Res Tap					
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
	5/26/2015	> Res Tap					
CSMW-22	9/23/2013	< Res Tap					
	12/11/2013	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/28/2017	< Res Tap					
	5/12/2017	< Res Tap					
CSMW-23	9/23/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	4/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/15/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-24	9/23/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/27/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/11/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-25	9/23/2013	< Res Tap					
	12/12/2013	< Res Tap					
	3/22/2017	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/10/2017	< Res Tap					

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
CSMW-26	9/24/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/13/2013	< Res Tap					
CSMW-27	9/23/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/13/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	4/3/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/15/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-28	9/23/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/13/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-29	9/23/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/16/2013	< Res Tap					
	5/26/2015	< Res Tap					
	9/24/2015	< Res Tap					
	12/1/2015	< Res Tap					
	2/10/2016	< Res Tap					
	4/3/2017	< Res Tap					
5/15/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
CSMW-30	5/15/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
CSMW-31	5/15/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap
BBMW-1	05/19/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	NA
	06/09/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/16/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	03/14/2012	> Res Tap	< Res Tap	NA	> Res Tap	< Res Tap	< Res Tap
	4/4/2012	< Res Tap	NA	NA	< Res Tap	< Res Tap	< Res Tap
	06/18/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/13/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/25/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/27/2015 (MWD-3)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015 (MWD-3)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015 (MW-DUP-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
3/28/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	
5/10/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	

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- PAHs = Polycyclic Aromatic Hydrocarbons
- All screening levels are based on the RCG table A-6 screening levels with updates
- PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
BBMW-2	05/19/2011 ^S	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	05/19/2011 ^{DP}	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	06/09/2011 ^S	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/09/2011 ^{DP}	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/16/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	03/14/2012	> Res Tap	< Res Tap	NA	> Res Tap	< Res Tap	< Res Tap
	4/4/2012	< Res Tap	NA	NA	< Res Tap	< Res Tap	NA
	06/18/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/13/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/25/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	3/28/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/28/17 (DUP-7)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/9/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	
BBMW-3	06/26/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/19/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/10/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/27/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/2/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-4	06/26/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/30/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/30/2017 (DUP-9)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017 (DUP-11)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-5	06/27/2013	> Com VIGWSL	> Res Tap	NA	> Com VIGWSL	> Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	12/18/2014	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Com VIGWSL	< Res Tap	< Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	3/18/2015 (MWD-3)	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	4/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/11/2017	> Com VIGWSL	< Res Tap	< Res Tap	> Com VIGWSL	> Res Tap	< Res Tap

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PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
BBMW-6	06/26/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-7	06/26/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/19/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/11/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/27/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/3/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-8A	6/26/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/3/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-8B	06/26/2013	> Res Tap	< Res Tap	NA	> Res Tap	< Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap	< Res Tap
	12/10/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	3/28/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/28/2017(DUP-1)	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/15/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-9	5/15/2017(DUP-2)	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	06/26/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/19/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/18/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-10	06/26/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/20/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-11A	06/26/2013	> Res Tap	> Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	3/19/2015	> Res Tap	< Res Tap	> Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-11B	06/27/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	< Res Tap	< Res Tap
	3/19/2015	> Res Tap	> Com VIGWSL	> Res Tap	> Res Tap	> Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
BBMW-12	06/26/2013	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/20/2013	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/13/2013	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
BBMW-13	06/27/2013	> Res Tap	< Res Tap	NA	> Res Tap	> Res Tap	< Res Tap
	9/20/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/13/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/27/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
5/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	
BBMW-14	06/27/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	< Res Tap	< Res Tap
BBMW-17	6/26/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	> Res Tap	< Res Tap
BBMW-18A	06/27/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	< Res Tap	< Res Tap
	12/17/2014	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	3/19/2015	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-18B	06/27/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	< Res Tap	< Res Tap
	3/19/2015	> Com VIGWSL	> Com VIGWSL	> Res Tap	> Com VIGWSL	< Res Tap	< Res Tap
BBMW-20	06/27/2013	> Com VIGWSL	> Res Tap	NA	> Com VIGWSL	> Res Tap	< Res Tap
	3/19/2015	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-21	06/26/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/20/2013	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/17/2014	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/19/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/19/2015 (MWD-4)	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	3/27/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/8/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-22	06/26/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/20/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/11/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	3/28/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap

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Soil Management Plan Groundwater Analytical Summary

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BBMW-23	4/11/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/16/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	03/08/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/13/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/25/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	4/4/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/2/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-24	4/12/2011	> Com VIGWSL	> Com VIGWSL	NA	< Res Tap	< Res Tap	< Res Tap
	09/19/2011	> Com VIGWSL	> Com VIGWSL	NA	< Res Tap	< Res Tap	< Res Tap
	03/09/2012	> Com VIGWSL	> Com VIGWSL	NA	< Res Tap	< Res Tap	< Res Tap
	06/26/2013	> Res Tap	> Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/20/2013	> Res Tap	> Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	12/12/2013	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/18/2014	> Res Tap	> Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
BBMW-25	4/16/2011	> Com VIGWSL	> Com VIGWSL	NA	> Res Tap	< Res Tap	< Res Tap
BBMW-27	4/11/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/16/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	03/09/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	9/13/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/25/2013	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
BBMW-28	4/12/2011	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	< Res Tap	< Res Tap
	06/27/2013	> Com VIGWSL	> Com VIGWSL	NA	> Com VIGWSL	> Res Tap	< Res Tap
BBMW-29	4/11/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	09/16/2011	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	03/09/2012	< Res Tap	< Res Tap	NA	< Res Tap	< Res Tap	< Res Tap
	06/26/2013	> Res Tap	< Res Tap	NA	< Res Tap	> Res Tap	< Res Tap
	9/20/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/12/2013	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-30	12/18/2014	> Res Tap	< Res Tap	> Res Tap	> Com VIGWSL	< Res Tap	< Res Tap
	3/19/2015	> Res Tap	< Res Tap	> Res Tap	> Res Tap	> Res Tap	< Res Tap
	5/28/2015	> Res Tap	> Res Tap	> Res Tap	> Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Com VIGWSL	> Res Tap	> Res Tap	> Com VIGWSL	> Res Tap	< Res Tap
	3/27/2017	> Com VIGWSL	> Res Tap	> Res Tap	> Com VIGWSL	< Res Tap	< Res Tap
	5/8/2017	> Com VIGWSL	< Res Tap	> Res Tap	> Com VIGWSL	< Res Tap	< Res Tap

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BBMW-34	05/17/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-35	05/16/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-36	05/17/2017	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
	05/17/2017 (DUP: 8)	> Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap	< Res Tap
BBMW-37	05/18/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-38	05/18/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-39	05/18/2017	> Com VIGWSL	< Res Tap	> Res Tap	> Com VIGWSL	< Res Tap	< Res Tap
BBMW-40	05/18/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
BBMW-42	05/18/2017	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
	05/18/2017 (DUP: 9)	> Res Tap	> Res Tap	< Res Tap	> Res Tap	> Res Tap	< Res Tap
BBMW-43	05/17/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
DW-1	5/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/10/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/2/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
DW-2	5/27/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/2/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
DW-3	5/28/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/8/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
DW-4	5/28/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	9/28/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/2/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	2/11/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/3/2017	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
DW-5	5/26/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/24/2015	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/10/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap

Notes:

> Res Tap = Constituent detected above the 2017 IDEM RCG Residential Tap SL

> Com VIGWSL = Constituent detected above the 2017 IDEM RCG Com/Ind VIGWSL

IDEM = Indiana Department of Environmental Management

RCG = IDEM's 2012 Remediation Closure Guide with update (March 6, 2017)

NA = Constituents not analyzed

Com/Ind = Commercial/Industrial

VIGWSL = Vapor Intrusion Groundwater Screening Level

VOCs = Volatile Organic Compounds

SVOCs = Semi-Volatile Organic Compounds

PAHs = Polycyclic Aromatic Hydrocarbons

All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

Soil Management Plan Groundwater Analytical Summary

Monitoring Well ID	Date Collected	Overall	VOCs	SVOCs	PAH	Metals	Inorganics
DW-6	05/26/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	9/25/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	12/1/2015	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	2/10/2016	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
	5/3/2017	> Res Tap	< Res Tap	< Res Tap	< Res Tap	> Res Tap	< Res Tap
DW-7	5/27/2015	< Res Tap					
	9/28/2015	< Res Tap					
	12/2/2015	< Res Tap					
	2/11/2016	< Res Tap					
	5/4/2017	< Res Tap					

Notes:

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All screening levels are based on the RCG table A-6 screening levels with updates

PAHs screened against the IDEM's July 2017 Benzo(a)pyrene Toxicity Update Announcement

ATTACHMENT E

Soil Management Plan Process Diagram

Yes

Collect additional data (VOCs, PAHs, RCRA Metals) prior to work?

No

LEVEL 4 SOIL

- No Hazardous Waste Operators and Emergency Response (HAZWOPER) training is required
- Soils acceptable for on-Site use
- Debris must be characterized and properly disposed of at a permitted, off-site disposal facility
- Any soils removed from the Site must be properly characterized for disposal unless the contractor receives an approved reuse determination (or equivalent) from IDEM
- Document and maintain records of work conducted

LEVEL 3 SOIL

- No Hazardous Waste Operators and Emergency Response (HAZWOPER) training is required
- Soils not acceptable for on-Site use unless the contractor receives an approved reuse determination (or equivalent) from IDEM
- Debris must be characterized and properly disposed of at a permitted, off-site disposal facility
- Any soils removed from the Site must be characterized and properly disposed of at a permitted, off-Site disposal facility
- Cap impacted soils per IDEM guidance or other approved cover
- Document and maintain records of work conducted

If physical evidence of contaminants (i.e. oils and/or tars) is observed during work, STOP WORK

If physical evidence of impacts (i.e. oils and/or tars) is observed during work, STOP WORK

LEVEL 1 SOIL

- Comply with HAZWOPER Requirements
- Project HASP must include
 - Minimum Level D PPE
 - Odor Control/Dust Control
 - Air Monitoring
 - Decontamination Plan
- Characterize and properly dispose of excavated soils at a permitted off-site disposal facility

Then

... determining site handling

... Residential area?

... above Direct Contact area?

... Excavation area?

LEVEL 2 SOIL

HAZWOPER Requirements (or equivalent)

... use unless the contractor receives an approved reuse determination (or equivalent) from IDEM and properly disposed of at a permitted, off-site disposal facility. Any soils removed from the Site must be characterized and properly disposed of at a permitted, off-Site disposal facility.



INDIANAPOLIS COMMUNITY JUSTICE CAMPUS PROJECT

DIVERSITY PLAN

July 2018

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FOREWORD

Pursuant to sec. 202-401 of the revised code of the consolidated City of Indianapolis and Marion County (revised code), the City of Indianapolis and Marion County strive to utilize minority-owned business enterprises for public works projects, procurement of goods, and services for the City of Indianapolis and Marion County in a dollar amount equal to at least fifteen (15) percent of monies spent by the City of Indianapolis, Marion County.

Pursuant to sec. 202-401 of the revised code, the City of Indianapolis and Marion County strive to utilize women-owned business enterprises for public works projects, procurement of goods, and services for the City of Indianapolis and Marion County in a dollar amount equal to at least eight (8) percent of monies spent by the City of Indianapolis, Marion County.

Pursuant to sec. 202-401 of the revised code, the City of Indianapolis and Marion County strive to utilize disability-owned business enterprises for public works projects, procurement of goods, and services for the City of Indianapolis and Marion County in a dollar amount equal to at least one (1) percent of monies spent by the City of Indianapolis, Marion County.

Pursuant to a mayoral executive order, the City of Indianapolis and Marion County strive to utilize veteran-owned business enterprises for public works projects, procurement of goods, and services for the City of Indianapolis and Marion County in a dollar amount equal to at least three (3) percent of monies spent by the City of Indianapolis, Marion County.

INTRODUCTION

It is the policy of the Consolidated City of Indianapolis (“The City”) that Women, Minority, Veteran and Disability Owned Business Enterprises (“M/W/V/DOBE”) shall have the maximum feasible opportunity to participate in the performance of contracts on the Indianapolis Community Justice Campus project that includes the Jail Project and Courts Project as defined in Exhibit A to the Design-Build Contract (the “Project”). This Diversity Plan is the framework to provide maximum practicable opportunity for M/W/V/DOBE certified by The City and the Office of Minority and Women Business Development (“OMWBD”) to participate in the design and construction of the Project as contractors, subcontractors, suppliers, joint venture partners, or other arrangements that afford meaningful opportunities for M/W/V/DOBE participation, consistent with the goals of delivering the best value Project for The City on time and within budget.

The City’s M/W/V/DOBE goals will be used for all projects that relate to or connect with the Project: MBE (15%), WBE (8%), VBE (3%), DOBE (1%). Unless otherwise provided in the Request for Proposals (“RFP”) or Contract Documents, these same goals shall apply to each Proposal. Offerors must make good faith efforts to actively and aggressively seek to meet and exceed these goals, and their M/W/V/DOBE utilization plans identified in the Offeror’s Qualitative Proposal in response to the RFP will be evaluated by the Technical Review Committee (“TRC”) accordingly. considered in the determination of whether a Proposal is responsive.

DEFINITIONS

“Application for M/W/V/DOBE Program Waiver” or “Waiver Application” means the document(s) submitted by the Design-Builder to The City requesting the Offeror’s exemption from the Design-Build Contract M/W/V/DOBE goals and providing an explanation, as well as documentation, setting forth the reasons the Offeror requests the waiver.

“Broker” means a business entity that serves as an intermediary who negotiates contracts of purchase and sale, without assuming any risk of loss and without providing a commercially useful function.

“Certified” or “Certification” means the M/W/V/DOBE is listed on the City of Indianapolis Directory of Certified Firms.

“City of Indianapolis Directory of Certified Firms” means the list of Certified firms maintained by the City of Indianapolis Office of Minority and Women Business Enterprises located at <http://www.indy.gov/eGov/City/DMWBD/MBE-WBE-VBE/Pages/OMWBD-Vendor-Listing.aspx>

“Commercially Useful Function” is a distinct element of the Work or contract that the M/W/V/DOBE is responsible for because of its contract for the Project with the Design-Builder or another subcontractor on the Project, and the M/W/V/DOBE carries out its responsibilities by performing, managing and supervising the Work involved. In determining whether an M/W/V/DOBE is performing a Commercially Useful Function, factors including, but not limited to, the following will be considered:

1. Whether the M/W/V/DOBE assumes the financial risk of the transaction.
2. Whether the M/W/V/DOBE determines the quality and quantity of material needed and orders the materials.
3. Whether the M/W/V/DOBE installs the material.
4. Whether the M/W/V/DOBE manages or supervises the work involved.
5. Whether the M/W/V/DOBE adds value to the transaction.
6. The value the M/W/V/DOBE adds to the transaction.
7. Whether the M/W/V/DOBE locates the equipment needed to complete the Work and arranges for the equipment to be at the appropriate location on a specified date(s).
8. The amount of Work subcontracted by the M/W/V/DOBE. M/W/V/DOBE, Design-Builder, and its subcontractors may not subcontract more than 30% of the work to a non-M/W/V/DOBE or the M/W/V/DOBE is deemed not to be performing a Commercially Useful Function with full oversight and control. The purchase of materials and supplies by the M/W/V/DOBE is not considered to be

subcontracting the Work.

9. Whether the M/W/V/DOBE performs according to standard industry practices.
10. Any other criteria deemed pertinent by The City.

“Contract Goals” means the targeted amount of participation identified by The City in the Request for Proposals as measured by the desired percentage of involvement of M/W/V/DOBEs as established in each Proposal.

“Design-Build Contract” The contract between The City and the successful Design-Build Team executed for the Project.

“Disability Owned Business Enterprise” or “DOBE” means an individual, partnership, corporation, limited liability company, or joint venture of any kind that is at least fifty-one percent (51%) owned and controlled by one or more socially disadvantaged individual(s) and who is/are United States citizens. The DOBE must be listed on the City of Indianapolis Directory of Certified Firms.

“Disqualified Entity” means an M/W/V/DOBE whose Certification has been suspended, revoked or not renewed or that has been removed from the City of Indianapolis Directory of Certified Firms.

“Diverse Business Utilization Plan” means the Offeror’s narrative diversity utilization plan as requested in Section 5.6.3.9 of the RFP and includes and incorporates the following documents:

1. A completed Diversity Plan Questionnaire identifying the proposed M/W/V/DOBE subcontractors and suppliers that will perform Work on the Project.
2. A copy of the Certification for each M/W/V/DOBE listed in the Diversity Plan Questionnaire and verification the M/W/V/DOBE is listed on the City of Indianapolis Directory of Certified Firms located on: <http://www.indy.gov/eGov/City/DMWBD/MBE-WBE-VBE/Pages/OMWBD-Vendor-Listing.aspx> “Minority Business Enterprise” or “MBE” means an individual, partnership, corporation, limited liability company, or joint venture of any kind that is at least fifty-one percent (51%) owned and controlled by one (1) or more minorities who are Lawful Permanent Residents and United States citizens. The MBE must be listed on the City of Indianapolis Directory of Certified Firms.

“Veteran Business Enterprise” or “VBE” means an individual, partnership, corporation, limited liability company, or joint venture of any kind that is at least fifty-one percent (51%) owned and controlled by one (1) or more Veterans and who are Lawful Permanent Residents and United States citizens. The VBE must be listed on the City of Indianapolis Directory of Certified Firms.

“Women Business Enterprise” or “WBE” means an individual, partnership, corporation,

limited liability company, or joint venture of any kind that is at least fifty-one percent (51%) owned and controlled by one (1) or more women and who are Lawful Permanent Residents and United States citizens. The WBE must be listed on the City of Indianapolis Directory of Certified Firms.

“Work” means the work required to be furnished and provided by Design-Builder or its subcontractors or laborers under the Design-Build Contract or the Design-Builders agreements with the subcontractors or laborers, including all administrative, design, engineering, real property acquisition and occupant relocation, construction, aesthetics and landscaping work, rehabilitation work, operations, maintenance and management services for the Project.

1. CONTRACT REQUIREMENTS

A. Pursuant to Sec. 581-102 of the Revised Code, a non-discrimination clause shall be contained in every contract to which one (1) of the parties is The City or the County, or any board, department or office of either The City or County, including franchises granted to public utilities.

B. Contracts let by The City will contain language regarding equal opportunity, affirmative action and MBE/WBE/VBE/DOBE utilization.

2. MINORITY AND WOMEN BUSINESS ENTERPRISE CERTIFICATION

M/W/V/DOBEs must be listed on the City of Indianapolis Directory of Certified Firms and provide a copy of the M/W/V/DOBE’s certification to be eligible to fulfill the Contract Goals. M/W/V/DOBEs, must be listed on the City of Indianapolis Directory of Certified Firms at the time the Proposal is submitted.

If an Offeror cannot locate a M/W/V/DOBE to provide work, services, or goods that can be subcontracted or procured, the Offeror may apply for a Waiver in accordance with the M/W/V/DOBE Program Waiver. The M/W/V/DOBE must maintain Certification throughout the duration of the Design-Build Contract. If the OMWBD does not grant approval to utilize a non-certified M/W/V/DOBE, then the Offeror must provide alternative M/W/V/DOBE participation of an amount equal to that which was to be provided with the non-certified M/W/V/DOBE, for no increase in the Price Proposal or Contract Price.

Offeror should verify that all proposed M/W/V/DOBEs are Certified before the Proposal is submitted, and that the Certifications are maintained through the duration of the Design-Build Contract. A M/W/V/DOBE must be certified for each type of good(s) or services the M/W/V/DOBE is to provide in the Diversity Plan Questionnaire at the time the Plan is submitted. If a M/W/V/DOBE is not certified for the type of goods or services, it is to provide the dollar amount for those goods or services may not be counted toward the Contract Goals.

If a M/W/V/DOBE’s Certification expires or an M/W/V/DOBE fails to submit the paperwork to renew its Certification in a timely manner during the Project, the dollar value of the Work performed by the M/W/V/DOBE during the time the Certification has expired will be ineligible to satisfy the Contract Goals. A M/W/V/DOBE must submit the paperwork to renew its Certification pursuant to the rules and/or guidelines of the appropriate certifying agency prior to the date the Certification will expire.

In the event a M/W/V/DOBE's is no longer listed on the City of Indianapolis Directory of Certified Firms due to the M/W/V/DOBE Certification being suspended, revoked or the renewal application is denied by the OMWBD before a subcontract has been executed with the Disqualified Entity, the Contractor must meet the Contract Goals with an eligible enterprise or demonstrate that it has made a good faith effort to locate an eligible enterprise and submit a Waiver Application. In determining whether to grant a Waiver Application, The City may consider whether the Design-Builder caused or materially participated in the suspension or revocation of the M/W/V/DOBE's Certification or the denial of its renewal application. If a subcontract has been executed with the Disqualified Entity before OMWBD has issued a Notice to Show Cause pursuant to 49 C.F.R. Part 26, or has removed the M/W/V/DOBE from the City of Indianapolis Directory of Certified Firms, the Design-Builder may continue to use the M/W/V/DOBE on the subcontract and receive credit towards the Contract Goal for the M/W/V/DOBE's Work. An M/W/V/DOBE will be Certified until the M/W/V/DOBE has exhausted all appeals afforded by the City of Indianapolis OMWBD.

M/W/V/DOBEs located in other cities must be Certified by OMWBD to be counted towards the Contract Goals. Certification requirements can be found at <http://www.indy.gov/eGov/City/DMWBD/MBE-WBE-VBE/Pages/OMWBD-Vendor-Listing.aspx>

3. COUNTING M/W/V/DOBE PARTICIPATION

The City of Indianapolis established the following Contract Goals for the Indianapolis Community Justice Campus (ICJC) projects:

- **15% MBE**
- **8% WBE**
- **3% VBE**
- **1% DOBE**

This section on counting participation is provided to help frame The City's expectations for attaining or exceeding the Contract Goals. M/W/V/DOBE participation shall be counted toward meeting the Project goals as follows:

1. Once a subcontractor, partner, or sub-consultant is determined to be an eligible M/W/V/DOBE by the OMWBD, the total dollar value of the contract awarded to the M/W/V/DOBE is counted toward the applicable M/W/V/DOBE Contract Goals.
2. The Design-Builder may count toward its M/WB/V/DOBE Contract Goals a portion of the total dollar value of a contract with a joint venture eligible under the standards of this subpart equal to the percentage of the ownership and control of the M/W/V/DOBE partner in the joint venture.

3. The Design-Builder may count toward its Contract Goals only expenditures to M/W/V/DOBE firms that perform a Commercially Useful Function in the Work of a contract.
 - a. An M/W/V/DOBE is considered to perform a Commercially Useful Function when it is responsible for execution of a distinct element of the Work of a contract and carrying out its responsibilities by performing, managing, and supervising the Work involved. To determine whether a M/W/V/DOBE is performing a Commercially Useful Function, the recipient or contractor shall evaluate the amount of Work subcontracted, industry practices, and other relevant factors.
 - b. Consistent with normal industry practices, a M/W/V/DOBE may enter subcontracts.
4. If a M/W/V/DOBE subcontractor contracts a significantly greater portion of the Work of the contract than would be expected based on normal industry practices, the M/W/V/DOBE shall be presumed not to be performing Work that is considered a Commercially Useful Function. The M/W/V/DOBE may present evidence to rebut this presumption to the recipient. The recipient's decision on the rebuttal of this presumption is subject to review by the OMWBD.
5. A recipient or contractor may count toward its Contract Goals sixty percent (60%) of the expenditure for materials and supplies required under a contract and obtained from a M/W/V/DOBE regular dealer, and one hundred percent (100%) of such expenditures to an M/W/V/DOBE M/W/V/DOBE manufacturer.
 - a. For purposes of this section, a "Manufacturer" is a firm that operates or maintains a factory or establishment that produces on the premises the materials or supplies obtained by the recipient or contractor.
 - b. For purposes of this section, a "Regular Dealer" is a firm that owns, operates, or maintains at least one of the following: a store, warehouse, or other establishment in which material or supplies used for the performance of the contract are brought, kept in stock, and regularly sold to the public in the usual course of business.
 - i. To be a Regular Dealer, the firm must engage in, as its principal business, and in its own name, the purchase and sale of the products in question;
 - ii. A Regular Dealer in such bulk items as steel, cement, gravel, stone, and petroleum products need not keep such products in stock, if it owns or operates distribution equipment; and
 - iii. Brokers and packagers shall not be regarded as Manufacturers or regular dealers within the meaning of this section.

6. A recipient or contractor may count toward its Contract Goals the following expenditures to M/W/V/DOBE firms exclusive of Manufacturers or Regular Dealer:
 - a. The fees or commissions charged for providing a bona fide service, such as professional, technical, consultant or managerial services. The following charges may also be counted:
 - i. Assistance in the procurement of essential personnel;
 - ii. Facilities;
 - iii. Equipment; and
 - iv. Materials or supplies required for performance of the contract, provided that the fee or commission is determined by the recipient to be reasonable and not excessive as compared with fees customarily allowed for similar services.
 - b. The fees charged for the delivery of material and supplies required on a job site if the following requirements are met:
 - i. the cost of the materials and supplies themselves are excluded;
 - ii. when the hauler, truck or delivery service is not also the Manufacturer or a Regular Dealer in the materials and supplies;
 - iii. the fee is determined by the recipient to be reasonable and not excessive as compared with fees customarily allowed for similar services.
 - c. The fees or commissions charged for providing any bonds or insurance specifically required for the performance of the contract, provided that the fee or commission is determined by the recipient to be reasonable and not excessive as compared with fees customarily allowed for similar services.
7. In a situation where the Design-Builder or a subcontractor leases equipment to complete work on the Project, The City/OMWBD will determine whether one hundred percent (100%) of the lease payments or a reasonable allocation of the lease payments will count toward the Contract Goals as a portion of the prime contractor or subcontractor's overhead. In making the determination The City/OMWBD shall consider the following factors:
 - a. Whether the equipment will be used solely for the Project or the Design-Builder or subcontractor will utilize the equipment for other projects.
 - b. The duration of the lease agreement.

- c. Whether the Design-Builder or the subcontractor will purchase the equipment at the end of the lease period pursuant to the terms of the lease agreement.
- d. Whether the Design-Builder or subcontractor has used the equipment for other jobs prior to commencement of work on the Project.
- e. Whether the Design-Builder or the subcontractor will use the equipment for other jobs after completion of work on the Project.
- f. The durability or longevity of the equipment.
- g. The cost of the lease payments in relation to the dollar value of the work the Design-Builder or subcontractor will fulfill with the equipment.
- h. The value of the equipment if it were purchased rather than leased.

Counting diverse business participation also takes into consideration various tiers that are defined as:

1. Tier 1 participation refers to spend by the Design-Builder – generally defined as the entity that holds the prime contract. The Commercially Useful Function will be counted towards the goal.
2. Tier 2 and Tier 3 participation in all cases refers to subcontractors and their Commercially Useful Function.

What follows is the Table of M/W/V/DOBE (XBE) Credits (For Subcontractors), which defines how to count participation.

Table of M/W/V/DOBE (XBE) Credits (For Sub-contractors)	
XBE Category/Specialty (Trade)	XBE Credit
Broker	Fees & Commission Only
Construction Sub	100% XBE Credit
Supplier - Regular Dealer	60% XBE Credit
Engineering Sub	100% XBE Credit
General Sub	100% XBE Credit
Hauler Lease	100% XBE Credit
Industrial Sub	100% XBE Credit
Supplier - Manufacturer	100% XBE Credit
Professional	100% XBE Credit
Broker-Supplier	Fees & Commission Only
Equipment Leasing	Fees & Commission Only

4. REPORTING PROCEDURES

Design-Builder awarded the Project and that enters into the Design-Build Contract required to submit M/W/V/DOBE utilization data on the payment application that will be submitted to The City and is attached to the Design-Build Contract as Exhibit 9-A. This information will be used to track the Design-Builder's compliance with satisfying The City's Contract Goals. Participation shall also include any diverse business involvement on Change Orders. The City may prescribe reporting forms to utilize on the Project. Ultimately the participation data/reports will be submitted and approved by OMWBD.

5. PROPOSAL

Each Offeror shall state whether it meets M/W/V/DOBE Certifications on its own or via potential partners or sub-consultants. If Offerors intend or need to rely on partners, subcontractors, or sub-consultants to meet these requirements, then they are encouraged to identify M/W/V/DOBE certified firms they have worked with on other relevant projects as part of their Diversity Plan Questionnaire. The City reserves the exclusive right to select or approve M/W/V/DOBE certified firms as partners, subcontractors, or sub-consultants for Offerors or otherwise.

The Offerors Diversity Plan Questionnaire serves as the Offeror's Diverse Business Utilization Plan for the Project. However, Offerors are encouraged to address how they would plan to meet all items identified in this Diversity Plan, and specifically, this Section if selected as the Design-Builder for the Project.

1. Ensure M/W/V/DOBE certified firms are made aware of contracting opportunities fully practicable through outreach and recruitment activities; including placing M/W/V/DOBE certified firms on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to M/W/V/DOBE certified firms and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by M/W/V/DOBE certified firms.
3. Encourage contracting with a consortium of M/W/V/DOBE certified firms when the project is too large for one M/W/V/DOBE consultant to handle individually.
4. Define the payment terms so that M/W/V/DOBE certified firms will be paid in a timely fashion, i.e. within 10 days of receipt of payment by the Design-Builder or allowing for The City to have a direct pay arrangement with the M/W/V/DOBE certified firms.
5. Use the services and assistance of the OMWBD.
6. A M/W/V/DOBE that is submitting a Proposal must subcontract the Contract Goals set forth in the RFP to other qualified M/W/V/DOBEs, or submit a Waiver Application, the same as a non-M/W/V/DOBE that is submitting a Proposal.

7. In instances where an exact dollar amount to be subcontracted to an M/W/V/DOBE firm cannot be determined, the Offeror shall indicate in its Proposal the dollar amount that will be paid to the M/W/V/DOBE firms. In an instance such as this, the Offeror should specify the minimum dollar amount that will be paid to the M/W/V/DOBE firm. If the Offeror will not achieve the Contract Goals established by the RFP, the Offeror shall, submit a Waiver Application on the form supplied by the City.
8. If a partial waiver is being requested, the Offeror must list the M/W/V/DOBE firms that will be used to satisfy the portion of the Contract Goals that will be met. A Notice of Intent to Perform as a Subcontractor/Supplier for each M/W/V/DOBE firm that is listed in the Diversity Plan Questionnaire must also be included.
9. The City will review Waiver Applications and decide as to the good faith efforts. Any of the following criteria may be utilized in determining whether good faith efforts have been made:
 - a. Notice to M/W/V/DOBEs, and Offeror must identify:
 - i. Whether and when the Offeror provided written notice, by mail, hand delivery, facsimile or electronic transmission to all qualified M/W/V/DOBEs that perform the type of work to be subcontracted and advising the M/W/V/DOBEs of the subject work the Offeror intends to subcontract;
 - ii. That their interest in Subcontracts is being solicited; and
 - iii. how to obtain information for the review and inspection of the RFP and Contract Documents.
 - b. Economically Feasible Subcontract. Offeror must identify whether the Offeror selected economically feasible portions of the Work to be performed by an M/W/V/DOBE, including, when appropriate, breaking subcontracts into smaller pieces or combining elements of the work into economically feasible units. The ability of the Offeror to perform the Work with its own forces will not excuse the Offeror from making positive efforts to meet the M/W/V/DOBE goals.
 - c. Consideration of all M/W/V/DOBE Quotations. Offeror must identify whether the Offeror considered all quotations received from M/W/V/DOBEs and, for those quotations not accepted, an explanation of why the M/W/V/DOBE will not be used on the Project. Receipt of a lower quotation from a non-M/W/V/DOBE will not excuse an Offeror's failure to meet the M/W/V/DOBE goals. Price alone does not constitute an acceptable basis for rejecting M/W/V/DOBE subcontractor quotes unless the Offeror can demonstrate that a reasonable price was not obtained from an M/W/V/DOBE.

- d. M/W/V/DOBE Assistance. Offeror must identify whether the Offeror helped interested M/W/V/DOBE firms in reviewing the RFP and Contract Documents.
- e. M/W/V/DOBE Barrier Assistance. Offeror must identify whether the Offeror assisted interested M/W/V/DOBE firms in obtaining required bonding, lines of credit, insurance or other barriers of participation in the Project.
- f. Advertisement. Offeror must identify whether the Offeror advertised to search for prospective M/W/V/DOBEs to participate in the Project.
- g. Assistance. Offeror must identify whether the Offeror contacted any of the following agencies or outreach companies for locating prospective M/W/V/DOBEs:

City of Indianapolis
 Office of Minority & Women Business Development
 Attn: Director & Compliance Manager
 200 East Washington Street, Suite 1260
 Indianapolis, IN 46204 (317) 327-5262
 OMWBD@indy.gov www.indy.gov/omwbd

Engaging Solutions, LLC
 3965 N. Meridian, Suite 1B Indianapolis, IN 46208 (317) 283-8300
 Contact: Debbie Wilson
 Debbie@engagingsolutions.net

- h. Research Participation Areas. Identify whether the Offeror made efforts to research other possible areas of participation including supplying, shipping, engineering and any other role that may contribute to the production and delivery of the products or services needed to fulfill the Contract Goals.
- i. Affirmative Action. Discuss Offeror's affirmative action policies or programs as they pertain to the utilization of M/W/V/DOBEs and how those policies are implemented.
- j. Response Time. The Offeror is allowed ten (10) days for a meaningful response to its solicitations and properly notifying OMWBD as well.
- k. Documentation of Statements from M/W/V/DOBEs. Any documentation or statements received from M/W/V/DOBEs who have been listed as having been contacted by the Offeror.
- l. Availability of M/W/V/DOBEs. The availability of M/W/V/DOBEs to perform the Work and the availability, or lack of availability, of M/W/V/DOBEs in the location where the Work is to be performed.

- m. Other Criteria. Any other criteria deemed appropriate by The City.

This list is not intended to be exclusive or exhaustive. The Offeror may also submit documentation of other types of efforts that it has taken which reflect the quality, quantity and intensity of those good faith efforts.

When evaluating Waiver Applications, The City reserves the right to verify the accuracy of any information supplied in the Waiver Application. By the submittal of a Proposal, the Offeror acknowledges the right of The City to ensure compliance with this Diversity Plan and thereby agrees to provide, upon request, earnest, diligent and prompt cooperation in The City's verification process.

In cases where The City concludes the Offeror's Diversity Plan Questionnaire and the Waiver Application is deficient through no fault of the Offeror the Offeror may be instructed to modify the submittals within five (5) working days from the date of such notice. Failure to submit the modified plans within the specified period may result in the Proposal being considered non-responsive and may be rejected.

In cases where The City concludes that the Diversity Plan Questionnaire and Waiver Application are deficient because of the negligence or misrepresentation of the Offeror, or in cases where The City has determined that the Offeror has not cooperated with its efforts to verify the submitted documentation, a Proposal may be considered non-responsive and may be rejected.

If the established Contract Goals are not achieved but the Waiver Application is granted, the Proposal will be considered responsive. If the established Contract Goals are not achieved and the Waiver Application is denied, a Proposal may be considered non-responsive and may be rejected.

Failure to provide the Diverse Business Utilization Plan and/or a Waiver Application may result in the Proposal being considered non-responsive and rejection of the Proposal.

By submission of a Proposal, an Offeror thereby acknowledges and agrees to be bound by the regulatory process set forth by the City of Indianapolis, Marion County, the OMWBD, and the Contract Documents.

An Offeror who knowingly or intentionally misrepresents the truth about either the status of a subcontractor, partner, or sub-consultant that is being proposed as an M/W/V/DOBE or who misrepresents the level of the nature of the amount to be subcontracted to the M/W/V/DOBE is in breach of contract and may suffer penalties pursuant to Indiana Code 5-16-6.5-5 and may cause the Proposal to be rejected.

A subcontractor, partner, or sub-consultant who knowingly or intentionally misrepresents the truth about its status as a M/W/V/DOBE or who misrepresents the level, or the nature of the amount subcontracted to its firm is in breach of contract and may suffer penalties pursuant to Indiana Code 35-44-2-1 and may cause the Proposal to be rejected.

6. COMPLIANCE

To monitor the level of M/W/V/DOBE participation, all Offerors shall submit written assurance

of meeting the goals stated in the contracts to be let. After award of the Design-Build Contract, Design-Builder must submit Exhibit 9-A for each subcontractor throughout the Project.

Design-Builder shall contract with all M/W/V/DOBE firms listed on the Diversity Plan Questionnaire. The subcontract or purchase order shall be for an amount that is equal to, or greater than, the total dollar amount listed on the form.

Design-Builder shall notify The City immediately if any firm listed on the Diversity Plan Questionnaire refuses to enter a subcontract or fails to perform according to the requirements of the subcontract.

The Design-Builders proposed M/W/V/DOBE Contract Goals will become incorporated into and become a requirement of the Design-Build Contract.

Design-Builder shall, within thirty (30) days of the execution of the Design-Build Contract, provide copies of fully-executed subcontracts and purchase orders with all M/W/V/DOBEs included in its Diversity Plan Questionnaire to The City.

During the work, Design-Builder shall expeditiously provide copies of all change orders, contract modifications, additions and deletions to all subcontracts and purchase orders issued to M/W/V/DOBEs.

During the work, Design-Builder is required to submit monthly reports (“Monthly Report Forms”) detailing the progress of the Design-Builder in achieving the goals established in the Proposal and Design-Build Contract.

Design-Builder shall not substitute, replace or terminate any M/W/V/DOBE firm without prior written authorization from The City. Design-Builder shall not reduce the scope of work or monetary value of a subcontract or purchase order with any M/W/V/DOBE without prior written authorization from The City. Design-Builder shall notify The City of any additional awards to M/W/V/DOBEs. Design-Builder shall submit a new Diversity Plan Questionnaire setting forth the new M/W/V/DOBE(s) that will perform work for the Design-Builder, if substitutions occur.

Design-Builder shall cooperate and participate in compliance reviews as determined necessary by The City. Design-Builder shall provide all necessary documentation to show proof of compliance with the requirements of the this Diversity Plan as requested by The City.

7. NON-COMPLIANCE

If it is determined by The City that the Design-Builder is not in compliance with this Diversity Plan, The City will notify the Design-Builder within ten (10) days after the initial compliance review or the site visit and identify the deficiencies found and the required corrective action that should be taken to remedy the deficiencies within a specific time.

If a Design-Builder is found non-compliant, the Design-Builder must submit, in writing, a specific commitment to correct the deficiencies. The commitment must include the specific action to be taken and the date for completion.

Upon receipt of the written commitment from the Design-Builder, The City will notify the Design-Builder, in writing, within ten (10) days after of the acceptability of the commitment Design-Builder is aware that making such commitments does not preclude future determinations of non-compliance based on the finding that the commitments were not faithfully performed.

If the City determines the Design-Builder has failed to comply with the provisions of this Diversity Plan, the Design-Build Contract, or 25 IAC 5, The City may impose any or all the following sanctions:

1. Withholding payment on the Design-Build Contract until such time that satisfactory corrective measures are made.
2. Adjustment to payments due or the permanent withholding of retainages of the Design-Build Contract.
3. Suspension or termination of the specific Design-Build Contract in which the deficiency is known to exist.
 - a. In the event this sanction is employed, the Design-Builder will be held liable for any consequential damages arising from the suspension or termination of the Design-Build Contract, including damages caused because of the delay or from increased prices incurred in securing the performance of the balance of the work by other subcontractors.
4. Advise OMWBD of the non-compliance in writing to OMWBD: Director & Compliance Manager.
5. Continued non-compliance may be deemed a material breach of the Design-Build Contract, whereupon The City shall have all the rights and remedies available to it under the Design-Build Contract or at law.

If a M/W/V/DOBE subcontractor or supplier of goods and services violates this Diversity Plan, the Design-Build Contract, or any applicable rules and regulations, The City may determine the M/W/V/DOBE is ineligible to perform work or provide goods or services for the Project. The City may contact OMWBD and disclose the violation.

8. OWNER'S REPRESENTATIVE

The provisions of this Diversity Program and the Design-Build Contract will be administered and enforced by The City through its Owner's Representative, who shall act on behalf of The City. Where "The City" is referenced herein the Owner's Representative shall provide direction on behalf of the City pursuant to the Design-Build Contract. OMWBD will work in conjunction with the Owner's Representative in the administration and enforcement of this Diversity Plan as requested.

If requested, Engaging Solutions will assist Offerors in the identification of Certified M/W/V/DOBE firms for subcontractors. Offerors are encouraged to contact and work with Engaging Solutions to design a plan to meet or exceed established Contract Goals.

If requested, Engaging Solutions will refer Offerors and M/W/V/DOBEs wishing to be certified to the OMWBD to become certified.

Questions involving this Diversity Plan should be directed to:

Engaging Solutions Attn: Debbie Wilson (317) 283-8300
debbie@engagingsolutions.net

9. PRE-PROPOSAL INSTRUCTIONS

The City subcontractor/supplier goals on all City/County projects are for 15% Minority Business Enterprise (MBE), 8% Women Business Enterprise (WBE), and 3% Veteran Business Enterprise (VBE) and 1% Disability-Owned Business Enterprises (DOBE) participation. Because these are subcontractor/supplier goals, an Offeror that is a City certified MBE, WBE, VBE and DOBE may not count itself toward achievement of these subcontractor/supplier goals.

All M/W/V/DOBE firms used on City projects must be certified by the City of Indianapolis. If a potential MBE, WBE, VBE and DOBE subcontractor is not certified by the City, they may still be counted, if they can provide the OMWBD with a complete certification application (if approved). Purchases from an MBE, WBE, VBE or DOBE suppliers is allowed the maximum credit is sixty percent (60%), and Brokers are counted at two percent (2%), or their Commission fee only (per 49 C.F.R. regulations).

Post-Proposal submissions:

1. Subcontractor/Supplier Participation and Payment Form attached hereto as “Exhibit 9-A” Offeror must enter the full legal names of all subcontractors and suppliers that will be used on the project. All Subcontractors/Suppliers along with all City of Indianapolis certified MBE, WBE, VBE and DOBE firms must be submitted as a post-Proposal document. The type of work to be performed must be included, along with the total subcontract dollar amount, and whether the subcontractor is an MBE, WBE, VBE, DOBE (DBE when applicable). The MBE, WBE, VBE and DOBE firms must be notified that they were utilized on Exhibit 9-A for each project through the letter of intent attached hereto as Exhibit 9-C.
2. Application for Program Waiver attached hereto as “Exhibit 9-B” If Offeror does not meet the goals, Offeror must provide an “Application for M/W/V/DOBE Program Waiver” form to demonstrate good faith effort. This form is attached hereto as Exhibit 9-B. On this form Offeror must demonstrate all the following in detail:
 - a. Advertisements in search of city approved M/W/V/DOBE subcontractors. Written notifications sent directly to M/W/V/DOBE firms to solicit their participation on this project. **Notices must provide sufficient time to allow them to participate** (business days);
 - b. OMWBD e-blast notification;

- c. Efforts to select portions of the project to be performed by M/W/V/DOBE firms;
- d. Evidence of negotiations with M/W/V/DOBE firms for specific sub-bids and/or partnerships, to include name, address, phone & fax number, description of the info provided them, and why agreements with M/W/V/DOBE were not reached;
- e. Evidence of technical assistance provided to M/W/V/DOBE firms (bonding, insurance, and line of credit) to encourage their participation on the project;
- f. Research of other possible areas of M/W/V/DOBE participation (suppliers, shipping, engineering, trucking); etc.;
- g. Other efforts to meet The City M/W/V/DOBE goals.

3. Workforce Data and Letters of Intent

Design-Builder shall submit a OMWBD Letter of Compliance. In addition, Design-Builder should include contracts or letters of intent signed by all MBE, WBE, VBE or DOBE subcontractors and suppliers being used on the Project. Design-Builder must submit in writing to OMWBD with justification to terminate or replace any M/W/V/DOBE vendor. OMWBD has the final decision on approval of the termination or replacement. In addition, the Design-Builder must use the good faith efforts method to substitute or replace any M/W/V/DOBE subcontractor(s).

The City is very interested in achieving maximum levels of minority-, woman-, veteran-, disability-owned business participation throughout the development and construction of all Public Works projects. Good Faith efforts are expected and will be verified to insure compliance with these requirements per project. The City only counts the Commercial Useful Function conducted by the subcontractors.

Current list of City of Indianapolis MBE M/W/V/DOBE certified vendor can be requested from the OMWBD by email (OMWBD@indy.gov) or by OMWBD Vendor Profile Application

List of City Certified firm:

- 1. <http://www.indy.gov/eGov/City/DMWBD/MBE-WBE-VBE/Pages/OMWBD-Vendor-Listing.aspx>
- 2. www.indy.gov/omwbd

Table of M/W/V/DOBE (XBE) Credits (For Sub-contractors)	
XBE Category/Specialty (Trade)	XBE Credit
Broker	Fees & Commission Only
Construction Sub	100% XBE Credit
Supplier - Regular Dealer	60% XBE Credit
Engineering Sub	100% XBE Credit

General Sub	100% XBE Credit
Hauler Lease	100% XBE Credit
Industrial Sub	100% XBE Credit
Supplier - Manufacturer	100% XBE Credit
Professional	100% XBE Credit
Broker-Supplier	Fees & Commission Only

*Same measurability as (INDOT) DBE Program

If you have any question or need assistance in making “Good Faith Efforts” please contact me for assistance.

Fahad Beg, Senior Manager
City of Indianapolis – Officer of Minority Women Business Development
fbeg@indy.gov

EXHIBIT 9-B
Application for MBE/WBE/VBE/DOBE Program Waiver
Design-Build Projects

This application for a (check one or more of the following) MBE WBE VBE DOBE program waiver is hereby submitted for the Jail Project by the Design-Builder listed below. (Use additional sheets if necessary.)

Date of Application: _____ Project Number: _____
Project Name: _____
Design-Builder: _____
Contact name: _____ Phone: _____
Address: _____

In attempting to meet the project goals Design-Builder made the following good faith efforts for the purpose of fulfilling that goal.

1. Design-Builder (check one of the following) did did not attend all meetings held by the City to inform MBEs, WBEs, VBEs and DOBEs of contracting opportunities. (Attach documentation of attendance.)

If Design-Builder did not attend all such meetings, please explain: _____

2. Design-Builder placed the following advertisements in search of prospective MBEs, WBEs, VBEs and DOBEs for the contract. (List and attach all such advertisements.)

<u>PUBLICATION</u>	<u>DATE OF AD</u>	<u>TOPIC OF AD</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

If Design-Builder placed no such advertisements, please explain: _____

3. Design-Builder provided the following written notifications to MBEs/WBEs/VBEs/DOBEs notifying them of contracting opportunities in sufficient time to allow them to participate and to minority business assistance agencies for the purpose of locating prospective MBEs, WBEs, VBEs and DOBEs for the contract. Design-Builder's written notification to the Office of Minority and Women Business Development for assistance in locating MBEs, WBEs, VBEs and DOBEs must also be documented. (List and attach all such documents. Use additional sheets if needed.)

<u>MBE/WBE/VBE/DOBE OR ASSISTANCE AGENCY</u>	<u>DATE OF NOTICE</u>
_____	_____
_____	_____
_____	_____

4. Design-Builder made the following efforts to select portions of the work to be performed by MBEs/WBEs/VBEs/DOBEs in order to increase the likelihood of achieving the stated goals, including the division of contracts into economically feasible units/parcels to facilitate participation:

5. Design-Builder contacted and/or negotiated with the following MBEs/WBEs/VBEs/DOBEs for specific sub- quotes and/or partnerships. Please include a description of the information provided to MBEs/WBEs/VBEs/DOBEs regarding the plans and specifications for portions of the work to be performed and a statement of why prospective agreements with MBEs/WBEs/VBEs/DOBEs were not reached. (List and attach documentation of such contacts/negotiations.)

<u>CONTACT</u>	<u>ADDRESS</u>	<u>PHONE</u>	<u>INFO. PROVIDED</u>	<u>WHY NEGOTIATIONS FAILED</u>
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(Use additional sheets if needed.)

6. Design-Builder provided the following technical assistance to MBEs/WBEs/VBEs/DOBEs in an effort to obtain MBE/WBE/VBE/DOBE participation, such as obtaining bonding, insurance, or a needed line of credit for the project, in an effort to obtain MBE/WBE/VBE /DOBE participation. (Attach documentation of such assistance.)

7. Design-Builder researched other possible areas of participation, including but not limited to, suppliers, shipping or transport enterprises, engineering enterprises or any other role that may contribute to the production and delivery of the product or services specified in the contract . (Attach documentation of such efforts.)

8. Following is a description of any other efforts Design-Builder made to meet the MBE/WBE/VBE/DOBE participation goal. (Attach documentation of such efforts.)

Design-Builder certifies that all information contained herein and attached hereto is true and accurate and that all good faith efforts were made by Design-Builder for the purpose of fulfilling the project goals.

Quoter's Signature: _____ Date: _____

For Minority Business Development Program use only.

This Application for Program Waiver is:

Not Approved Approved

Approved subject to the following conditions/restrictions:

Director and Compliance Manager
Office of Minority and Women Business Development

EXHIBIT 9-C

**LETTER OF INTENT TO PERFORM AS A SUBCONTRACTOR /
SUPPLIER**

Instructions: Within three (3) business days of notification by Owner, the apparent lowest responsive Bidder will be required to submit a “Letter of Intent to Perform as a Subcontractor” for each M/W/V/DOBE subcontractor listed on Bidder’s Subcontractor/Supplier Participation.

PROJECT/WORK:

BIDDER:

M/W/V/DOBE FIRM:

The M/W/V/DOBE Firm is currently certified by the City of Indianapolis. The Bidder hereby states its intent to utilize the M/W/V/DOBE Firm on this Project/Work. Bidder intends to enter a contractual agreement with the listed M/W/V/DOBE Firm who will provide the following goods/services:

SCOPE OF WORK (Commercial Useful
Function):

ESTIMATED VALUE OF SUBCONTRACT: \$ _____

This document shall not serve in any manner as an actual subcontract between the two parties. A separate subcontract agreement will describe in detail the contractual obligations of the Bidder and the M/W/V/DOBE Firm.

The M/W/V/DOBE Firm affirms that it will perform, and the Bidder affirms it intends to utilize the M/W/V/DOBE to perform, the scope of work at the subcontract value amount stated above.

Bidder Representative's Signature

M/W/V/DOBE Representative's Signature

Printed Name and Title

Printed Name and Title

Date

Date