

March 21, 2019

NHDES, Waste Management Division
Solid Waste Management Bureau
29 Hazen Drive, P.O. Box 95
Concord, NH 03302-0095



**RE: North Country Environmental Services, Inc.
Landfill Facility – Bethlehem, NH
NHDES Permit # DES-SW-SP-03-002
2018 Annual Facility Report**

Dear NHDES Waste Management Division:

Consistent with Env-Sw 1105.07(b) of the New Hampshire Department of Environmental Services Solid Waste Rules, North Country Environmental Services, Inc. writes to provide the 2018 Annual Facility Report (attached) for our facility located in Bethlehem, New Hampshire.

Should you have any questions please do not hesitate to contact me at 802.651.5454.

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.

A handwritten signature in blue ink that reads "J. Gay".

John Gay, E.I.
Permits, Compliance & Engineering

Enclosures

- c. Kevin Roy, North Country Environmental Services, Inc. {via email}
- Annette Marquis, North Country Environmental Services, Inc. {via email}

6. Facility Operator Information (Env-Sw 1105.13(c))

Name	Certificate Number	Expiration Date	Still Working at Facility as of December 31?
1. see attached		/ /	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.		/ /	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.		/ /	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.		/ /	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.		/ /	<input type="checkbox"/> Yes <input type="checkbox"/> No

Additional Facility Operator Information is attached to this Annual Facility Report.

7. Waste and Recyclables Received & Shipped (Env-Sw 1105.13(e), Env-Sw 1105.13(f))

Type of Waste

Note: Universal Wastes and Used Oil are included in Section 11, so do not enter them here.

<input checked="" type="checkbox"/> Ash	<input type="checkbox"/> Electronic Waste	<input checked="" type="checkbox"/> Scrap Metal
<input type="checkbox"/> Asbestos	<input type="checkbox"/> Food Waste	<input type="checkbox"/> White Goods
<input checked="" type="checkbox"/> Bulky Waste	<input type="checkbox"/> Infectious Waste	<input checked="" type="checkbox"/> Other: Approved Special Waste
<input checked="" type="checkbox"/> C&D Debris	<input checked="" type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> Other:
<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Recyclable Materials	<input type="checkbox"/> Other:

Quantity of Waste

Quantity of Waste Received		Quantity of Waste Shipped	
Non-Recyclable Waste Received:		Non-Recyclable Waste Shipped:	
From NH Sources	231,515.15 tons	To NH Destinations	tons
From Out-of-State Sources	120,770.15 tons	To Out-of-State Destinations	tons
Total Received	352,285.30 tons	Total Shipped	tons
Recyclables Received:		Recyclables Shipped:	
From NH Sources	53.98 tons	To NH Destinations	tons
From Out-of-State Sources	tons	To Out-of-State Destinations	53.98 tons
Total Received	53.98 tons	Total Shipped	53.98 tons

8. Estimated Quantity of Waste Stored at the Facility as of December 31, 2018 (Env-Sw 1105.13(i))

Type of Waste	Quantity Onsite as of Dec. 31	Type of Waste	Quantity Onsite as of Dec. 31
Ash	tons	Municipal Solid Waste	tons
Asbestos	tons	Recyclable Materials	tons
Bulky Waste	tons	Scrap Metal	2 tons
C&D Debris	tons	White Goods	tons
Contaminated Soil	tons	Other:	
Electronic Waste	tons	Other:	
Food Waste	tons	Other:	
Infectious Waste	tons	Other:	

9. Bypass and Residual Waste (Env-Sw 1105.13(g))

Note: Please refer to the Guidance Sheet for definitions of bypass waste and residual waste.

Waste	Total Quantity Generated	Quantity Shipped to NH Destination(s)	Quantity Shipped to Out-of-State Destination(s)
Bypass Waste	tons	tons	tons
Residual Waste	tons	tons	tons
Leachate	7,565,448 gallons	7,410,995 gallons	530,378 gallons

10. Facilities Producing Certified Waste-Derived Products (Env-Sw 1105.13(h))

Type of Waste-Derived Product Produced	Quantity Produced	Quantity Distributed for Use	Estimated Quantity Stored at Facility as of December 31
	tons	tons	tons

I certify that all waste-derived products distributed by the facility for use met the applicable standards for distribution and use pursuant to Env-Sw 1500.

OR

I CAN NOT certify that all waste-derived products distributed by the facility for use met the applicable standards for distribution and use pursuant to Env-Sw 1500, and have attached a detailed explanation of the situation and actions taken or being taken to remedy the problem.

11. Other Activities Taking Place at the Facility

<input type="checkbox"/> Burn Pile	<input type="checkbox"/> Refrigerant Removal	<input type="checkbox"/> Swap Shop
<input type="checkbox"/> Food Waste Composting	<input type="checkbox"/> Leaf & Yard Waste Composting	<input type="checkbox"/> Other:
<input type="checkbox"/> Used Oil Collection	<input type="checkbox"/> Sharps Collection	<input type="checkbox"/> Other:
<input type="checkbox"/> Used Oil Burner: EPA ID No. NHD		
Universal Waste Collection		
<input type="checkbox"/> Antifreeze	<input type="checkbox"/> Batteries (Rechargeable)	<input type="checkbox"/> Fluorescent Lamps
<input type="checkbox"/> Batteries (Automotive)	<input type="checkbox"/> Cathode Ray Tubes (CRTs)	<input type="checkbox"/> Mercury-Containing Devices

12. Summary and Assessment of Environmental Monitoring (Env-Sw 1105.13(j))

None required and none undertaken.

None required, but environmental monitoring was undertaken voluntarily. A summary and assessment of the environmental monitoring is attached.

Environmental monitoring is required by this facility's permit and/or the Solid Waste Rules. A summary is:

Attached to this report; or

Provided in the following documents previously submitted to NHDES as indicated below:

Date Submitted

Title of Document

Type of Monitoring

13. Public Benefit Discussion (Env-Sw 1105.13(k))

- None required by the facility's permit.
- Public benefit discussion is required by the facility's permit. A discussion is attached to this report.

14. Compliance Certification (Env-Sw 1105.13(l) or Env-Sw 1105.13(m))

I certify that the facility is in compliance with the requirements of the following:

Yes	No	N/A	
<input checked="" type="checkbox"/>	<input type="checkbox"/>		The facility's current operating plan;
<input checked="" type="checkbox"/>	<input type="checkbox"/>		All terms and conditions of the facility's permit;
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Env-Sw 900 for asbestos, ash, contaminated soils, infectious waste, and/or tires;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Env-Hw 1100 for the management of Universal Wastes;
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Env-Hw 807 for the management of Used Oil; and
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Env-A 1000 for the operation of a burn pile.

If you have checked "No" above, attach an explanation and proposed schedule for achieving compliance.

15. Signature (Env-Sw 1105.13(o))

By signing below, I affirm that the material and information submitted in this report is correct and complete to the best of my knowledge and belief, and that I am the permittee or a person duly authorized to sign for the permittee.

Signature of the Permittee or Duly Authorized Representative

Date

Printed Name

Title

[Handwritten Signature]

JOHN GRAY

3/21/19

ENGINEER

This report contains 4 attached pages.

Complete and return this form by MARCH 31 to:

NHDES, Waste Management Division, Solid Waste Management Bureau
 PO Box 95, 29 Hazen Drive, Concord, NH 03302-0095
 FAX: (603) 271-2456 • Email: solidwasteinfo@des.nh.gov

Optional Survey Next Page

NHDES is requesting additional information via the attached survey. Responses to this survey will help us assess materials management trends in NH. Participation is voluntary, but we appreciate any information you can share.

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.
2018 ANNUAL FACILITY REPORT

SECTION 5 Summary of Facility Operations and Maintenance Activities.

North Country Environmental Services has conducted environmental monitoring and inspections according to the rules and regulations of the State of New Hampshire and the Facility Operating Plan throughout the year. These include but are not limited to;

1. Tri Annual Groundwater Monitoring
2. Quarterly & Annual compliance with our Multi Sector General Permit,
3. Monthly Spill Prevention Control & Countermeasures Plan inspections
4. Quarterly gas probe sampling,
5. Title V Quarterly and Annual compliance reporting,
6. Monthly NHDES Solid Waste Management Operational Reports,
7. Random Load Inspections,
8. Odor Complaint Logs,
9. Leachate Disposal reporting requirements for the Vermont Agency of Natural Resources, City of Plattsburgh NY, Cities of Franklin and Concord NH,
10. Tri-annual NHDES Leachate Reporting
11. Safety Inspections & Training,
12. Landfill gas well tuning,
13. Landfill Surface Emission scans,
14. Landfill Cover Integrity Inspections.

Facility Name: NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.								
2018 ANNUAL FACILITY REPORT								
6. Operator Information (Env-Sw 1105.13 (c)								
Name:	Certification #:	Expiration Date:	Still Working at Facility as of Dec. 31st?					
Stephen Allen	003076	05/10/19	<input checked="" type="checkbox"/> Yes					
Joshua Casey	002870	09/13/18	<input checked="" type="checkbox"/> No					
Michelle DeWitt	004176	12/16/18	<input checked="" type="checkbox"/> No					
Don Dunn	000513	03/15/19	<input checked="" type="checkbox"/> Yes					
John Gay	004082	09/04/19	<input checked="" type="checkbox"/> Yes					
Bruce Grover	005278	01/20/20	<input checked="" type="checkbox"/> Yes					
Nathan Huntington	004554	01/11/20	<input checked="" type="checkbox"/> Yes					
Thomas Jeffries	003060	10/03/19	<input checked="" type="checkbox"/> Yes					
Sherri Lincoln	005059	04/19/19	<input checked="" type="checkbox"/> Yes					
Annette L Marquis	003489	11/30/19	<input checked="" type="checkbox"/> Yes					
James A. Martin	030784	05/10/19	<input checked="" type="checkbox"/> No					
Paul J Moroney	002944	11/16/19	<input checked="" type="checkbox"/> Yes					
Kevin A Roy	002543	06/02/19	<input checked="" type="checkbox"/> Yes					
Daniel Smith	005283	1/29/2020	<input checked="" type="checkbox"/> Yes					
Ernest Tetrault		Processed Applicant	<input checked="" type="checkbox"/> No					Resigned before Basic Training Workshop

Facility Name: NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.								
2018 ANNUAL FACILITY REPORT								
6. Operator Information (Env-Sw 1105.13 (c)								
Lance Wilson	004223	12/16/2019	<input checked="" type="checkbox"/> No					
Aldis Wright	004949	12/14/2019	<input checked="" type="checkbox"/> Yes					
Terence Wright	004699	9/29/2019	<input checked="" type="checkbox"/> Yes					

North Country Environmental Services, Inc.
Landfill Facility, 581 Trudeau Road, 03574

12. 2018 Summary and Assessment of Environmental Monitoring

In 2018 Environmental Monitoring was conducted at the North Country Environmental Services, Inc. (NCES) Landfill Facility and all reports have been filed timely with the New Hampshire Department of Environmental Services. The following is a list of the notable reports the include Environmental Monitoring or Assessment;

1. Tri Annual Groundwater Monitoring
2. Quarterly & Annual compliance with our Multi Sector General Permit,
3. Monthly Spill Prevention Control & Countermeasures Plan inspections
4. Quarterly gas probe sampling,
5. Title V Quarterly and Annual compliance reporting,
6. Monthly NHDES Solid Waste Management Operational Reports,
7. Random Load Inspections,
8. Odor Complaint Logs,
9. Leachate Disposal reporting requirements for the Vermont Agency of Natural Resources, City of Plattsburgh NY, Cities of Franklin and Concord NH,
10. Tri-annual NHDES Leachate Reporting
11. Landfill Surface Emission scans,
12. Landfill Cover Integrity Inspections.

**North Country Environmental Services, Inc.
Landfill Facility, 581 Trudeau Road, 03574**

13. 2018 Pubic Benefit Discussion

In 2018 the North Country Environmental Services, Inc. (NCES) Landfill Facility provided disposal for over 150 New Hampshire Towns equating to over 231,000 tons of combined municipal solid, certified and special wastes.

In addition to providing a valuable role for needed disposal capacity, the NCES landfill site provided;

1. Annual Benefits to the Town of Bethlehem, including;
 - a. free curbside solid waste and recycling service to Bethlehem residents at no charge,
 - b. free use of the transfer station which accepts;
 - i. solid waste,
 - ii. single stream recycling,
 - iii. re-use zone
 - iv. electronic waste,
 - v. waste bulbs
 - vi. scrap metal,
 - vii. clean wood, leaf & yard debris
 - viii. white goods, and
 - ix. used oil
2. Household hazardous waste collection event free for Bethlehem residents,
3. Managed 1,884,580 pounds of single stream material that was ultimately diverted from the landfilling. This material predominantly originated from Bethlehem and other surrounding communities,
4. Continued use of a greenhouse for students at the Bethlehem Elementary School for education,
5. Reduction of overall facility emission by utilizing a landfill geothermal heating system to heat the facilities maintenance shop and green house,
6. Hosted an open house so area residents could learn how a modern landfill is operated,
7. Requiring solid waste haulers to access the site via Route 3 and Trudeau Road, keeping downtown Bethlehem free from solid waste haulers other than those collecting waste and recycling in Bethlehem.
8. Provided mailers helping to keep area residents informed on landfill and recycling related information,
9. Provided donations to local organizations, schools and Town of Bethlehem initiatives,