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MAR 29 2006
DEPARTMENT OF ENVIRONMENTAL SERVICES
SOLID WASTE MANAGEMENT DIVISION

CASELLA WASTE SYSTEMS, INC.

LETTER OF TRANSMITTAL

Permits, Compliance & Engineering

To: Mr. Wayne Wheeler
NHDES
PO Box 95
Concord, NH 03302-0095

Date: March 27, 2006

3 Pitkin Court
Montpelier, Vermont 05602

Phone: (802) 223-7221

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INFORMATION TRANSMITTED: March 3, 2006 Leachate Release

TRANSMITTED AS CHECKED BELOW:

- For your approval
- For your use/as required
- For review and comment
- As requested

REMARKS:

Wayne,

Attached please find the report prepared by Sanborn Head & Associates regarding the leachate release we discussed on March 3, 2006. Please contact me with any questions, thanks.

Gene

SIGNED: 

CC:
Joe Gay, NCES
Kevin Roy, NCES



Sanborn, Head & Associates

Consulting Engineers & Scientists

March 8, 2006
File No. 1003.04

Mr. Eugene Martin
North Country Environmental Services, Inc.
3 Pitkin Court
Montpelier, VT 05602



Re: March 3, 2006 Leachate Release
North Country Environmental Services, Inc. (NCES) Landfill
581 Trudeau Road
Bethlehem, New Hampshire

Dear Gene:

This letter was prepared to document our observations of the leachate release that occurred at the NCES site on Friday March 3, 2006.

At approximately 1200 hours Donald Monahan of NCES informed Sanborn, Head & Associates, Inc.'s (SHA's) on-site representative, Spencer Beane, that a leachate spill had occurred near the Stage I area of the landfill. At NCES' request, Spencer documented the release and the efforts to clean up the affected area.

Spencer observed that the release occurred from the modified loadout arm of the Leachate Consolidation Building between the landfill perimeter road and the toe of the northern Stage I slope. Refer to the attached Figure No. 1 for the location of the release. When Spencer arrived there was a vacuum truck on the opposite side of the perimeter road from the Leachate Consolidation Building vacuuming leachate from the storm water swale located north of the CCI temporary construction field trailer.

Sean Moran of NCES was overseeing the clean up. Sean explained that an NCES employee had attempted to fill a leachate transport truck from the Consolidation Building, but was unable to pump leachate due to an ice blockage in the pipe that extended from the building to the truck. Sean indicated that the NCES employee had the truck move to a different leachate pump station to be filled, and had accidentally forgotten to turn off the key switch that prevents the leachate pump from operating. Sean speculated that while the truck was being filled at the other location, the ice blockage released and the system pumped 5,036 gallons of leachate onto the ground in front of the leachate consolidation building. The leachate volume was obtained from the flow meter for the truck loadout pump.

*Charles L. Head ■ R. Scott Shillaber ■ Charles A. Crocetti ■ James A. Chabot
Mathew A. DiPilato ■ Daniel B. Carr ■ Duncan W. Wood ■ Joseph G. Engels ■ Vernon R. Kokosa*


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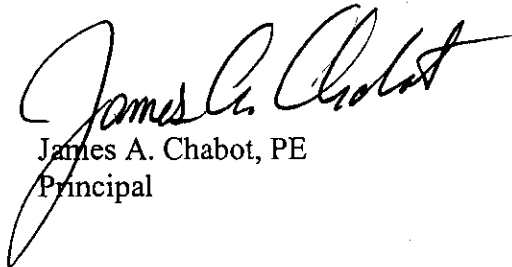
The leachate flowed across the perimeter road and collected in a storm water swale north of the CCI temporary construction field trailer. The swale normally conveys the discharge from Detention Pond No. 3. Spencer observed that CCI had dammed the swale with soil near the low end of the swale to confine the leachate while the truck vacuumed it out. CCI had also spread soil on the perimeter road to help absorb leachate. Sean indicated that approximately 30 gallons of leachate flowed to the portion of the swale downstream from where the soil dam was constructed. Spencer photographed the containment and collection efforts. Refer to the attached photos of the release area.

The vacuum truck was filled before all the leachate that had pooled in the swale was collected. The additional leachate in the swale was soaked up with sand, excavated, and transported to the active portion of the landfill for disposal. CCI excavated the banks and bottom of the swale where the leachate collected, as well as the layer of the soil where the leachate flowed across the road. It appeared that CCI removed the soil that was impacted by the leachate release.

If you have any questions, or require further information, please contact the undersigned.

Very truly yours,
SANBORN, HEAD & ASSOCIATES, INC.

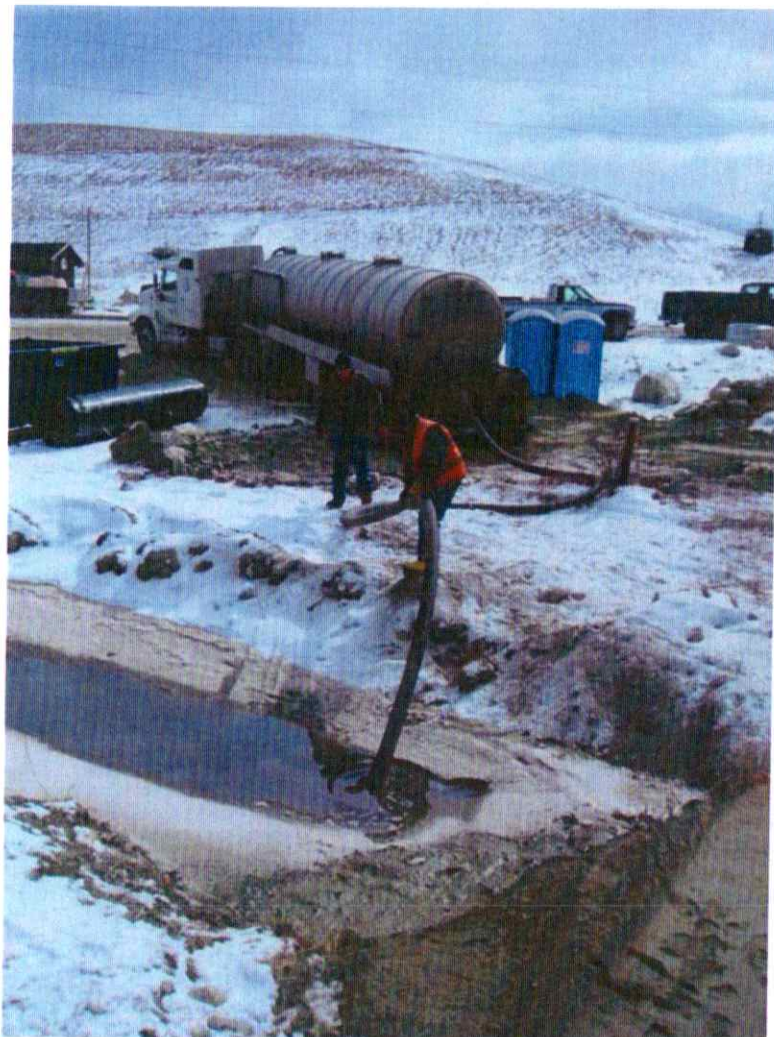

Spencer L. Beane, EIT
Environmental Engineer


James A. Chabot, PE
Principal

SLB/JAC:slb

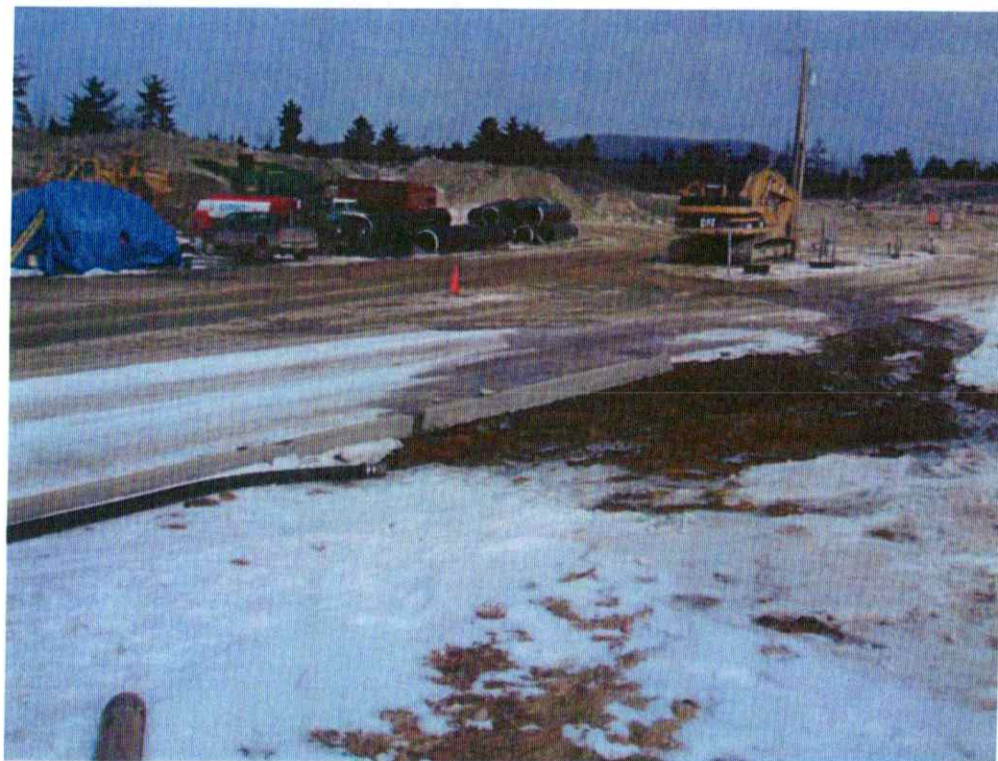
Encl. Figure No. 1
Photographs

cc: Kevin Roy, NCES Bethlehem



Loading tanker from contained leachate.

Source of leachate release (hose in foreground).





Stormwater swale where leachate was contained as excavation was being completed.

Leachate flow path across the perimeter road.



NOTES:

1. THE BASE MAP WAS PRODUCED USING AN ELECTRONIC FILE PROVIDED TO SHA ON FEBRUARY 14, 2006 NAMED "5431XLE.DWG" CREATED BY EASTERN TOPOGRAPHICS OF WOLFBORO, NEW HAMPSHIRE FOR NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. MAPPING WAS COLLECTED FROM AERIAL PHOTOGRAPHY EXPOSED ON NOVEMBER 12, 2005 AND COMPILED ON FEBRUARY 2, 2006 USING DIGITAL TERRAIN MODELING METHODS WITH KLT ATLAS SOFTWARE. ORIGINAL SCALE 1" = 40'. HORIZONTAL DATUM IS BASED ON NAD 83 (1996) SPC NH (FEET). VERTICAL DATUM IS BASED ON NAVD 88 (FEET).
2. AS-BUILT LOCATIONS OF EXISTING STAGE I LIMIT OF WASTE CONTAINMENT PROVIDED BY CASELLA CONSTRUCTION, INC.
3. THE PROPERTY LINES SHOWN WERE TAKEN FROM SHEETS 1 THROUGH 3 OF PLANS ENTITLED "BOUNDARY SURVEY PLAN FOR CASELLA WASTE SYSTEMS, INC. ON THE LANDS OF NORTH COUNTRY ENVIRONMENTAL SERVICES" PREPARED BY ALPINE LAND SURVEYING COMPANY (ALPINE) OF LITTLETON, NEW HAMPSHIRE, DATED FEBRUARY OF 2002. PLANS WERE PROVIDED ELECTRONICALLY TO SHA BY ALPINE ON MARCH 1, 2002 IN DRAFT FORMAT AND AT AN ORIGINAL SCALE OF 1" = 100'.
4. THE APPROXIMATE AREA AFFECTED SHOWN IS BASED ON PHOTOGRAPHS TAKEN ON MARCH 6, 2006 BY SHA PERSONNEL.

LEGEND:

- I.R.F. IRON ROD FOUND
- - - PROPERTY LINE
- ~ ~ ~ TREE LINE
- B-911 EXISTING MONITORING WELL
- B-915 EXPLORATION WITH OBSERVATION WELL
- GP-6 EXISTING GAS PROBE
- - - EXISTING 10-FOOT CONTOUR
- - - EXISTING 2-FOOT CONTOUR
- - - LIMIT OF WASTE CONTAINMENT
- - - PHASE LIMIT LINE
- o @ EXISTING BOULDERS
- x - x EXISTING FENCE
- - - EDGE OF WATER
- - - EDGE OF WETLAND
- - - EDGE OF ROAD
- LDMH LEAK DETECTION MANHOLE



		<p>SHA Sanborn, Head & Associates Consulting Engineers & Scientists</p>
<p>DRAWN BY: TWR DESIGNED BY: JAC CHECKED BY: REVIEWED BY: PROJECT MGR: JAC PIC: JAC DATE: MAR 06</p>	<p>NO. DATE</p> <p>DESCRIPTION</p>	
<p>NORTH COUNTRY ENVIRONMENTAL SERVICES, INC. BETHLEHEM, NEW HAMPSHIRE</p>		<p>SITE PLAN</p>
<p>PROJECT NUMBER: 1003.04</p>		<p>FIGURE NUMBER: 1</p>