



# Sanborn, Head & Associates

*Consulting Engineers & Scientists*

October 16, 2006  
File No. 2470.01

Wayne A. Wheeler, P.E.  
Waste Management Division  
New Hampshire Department of Environmental Services  
P.O. Box 95  
Concord, NH 03302-0095



Re: Construction Status Report for Period Ending October 13, 2006  
Stage IV Phase I Construction  
North Country Environmental Services, Inc. Landfill  
581 Trudeau Road  
Bethlehem, New Hampshire  
NHDES Permit #DES-SW-SP-03-002

Dear Wayne:

This letter was prepared in accordance with Env-Wm 2804.07 to provide a biweekly status report of construction activities at the North Country Environmental Services, Inc. (NCES) facility in Bethlehem, New Hampshire for the period ending October 13, 2006. A summary of the work performed by Casella Construction, Inc. (CCI) for the two-week period is provided below.

## **I. Description of Work Completed To Date**

Work performed included the installation of the 12-inch Select Sand layer as additional protection over the sideslope riser pipes.

CCI's liner installation subcontractor, Terrafix Environmental USA, Inc., completed geosynthetic deployment and liner connections in the Stage II Phase II sump as well as geocomposite and scrim-reinforced geomembrane deployment on the slopes of the Stage II Phase I sump.

## **II. Construction Schedule**

Based on the last construction meeting held on Tuesday, October 10, 2006, CCI planned to complete the preparation of the Stage II Phase I notch for the liner system, install and seal the concrete risers and aluminum hatch covers on the two valve boxes, and complete the leachate collection pipe connections in the Stage II sumps.

Terrafix Environmental USA, Inc., will likely be on site during the next two weeks to complete the Stage II Phase I Sump geosynthetics connections.

*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*

Sanborn, Head & Associates, Inc.  
20 Foundry Street ■ Concord, NH 03301  
concord@sanbornhead.com ■ www.sanbornhead.com  
Phone (603) 229-1900 ■ Fax (603) 229-1919

### III. Design Changes

No design changes have been made since the last report on October 5, 2006.

### IV. Damage and Repair Information

On October 12, 2006, an early morning rain event caused the Stage II Phase I and Phase II sumps and the Stage IV Phase I Cell to accumulate large volumes of storm water. Kevin Roy stated that water infiltrated the secondary liner Select Sand in the exposed Stage II Phase I notch area. Mr. Roy also stated that the accumulated storm water in the Stage II Phase I sump came close to overtopping the temporary berm, but that he did not believe it had been overtopped. CCI employees also stated that although the stormwater nearly overtopped the Stage II Phase I sump berm, the storm water was pumped to leachate storage tanks before any liquid could overtop the berm.

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

Sincerely,  
SANBORN, HEAD & ASSOCIATES, INC.

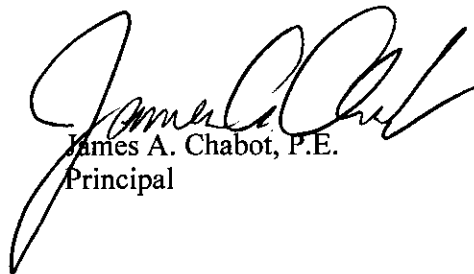


Kelly L. Marshall  
Senior Project Engineer

KELM/JAC:kelm

Encl:

cc: Eugene J. Martin, NCES (Electronic Copy Only)  
Kevin Roy, NCES (Electronic Copy Only)  
Sean Moran, NCES (Electronic Copy Only)



James A. Chabot, P.E.  
Principal