



Sanborn, Head & Associates

Consulting Engineers & Scientists

July 21, 2004
File No. 2364

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 July 16, 2004
Grading Modifications Project
North Country Environmental Services, Inc. Landfill Facility
581 Trudeau Road
Bethlehem, New Hampshire
NHDES Permit #DES-SW-SP-00-003

Dear Wayne:

This letter was prepared pursuant to 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 July 16, 2004. A summary of activities performed by Paragon Construction, Inc. (Paragon) for the period is provided below.

I. Description of Work Completed to Date

A. Earthwork

Paragon's earthwork efforts, up to and including July 16, 2004, included placement of compacted fill for the earthen berm and the MSE berm. The earthen berms along the south side of Stage III and the southern end of the eastern side of the landfill, as well as near the northeast corner of the landfill are near the proposed grades. The soil used as fill for the berms during this period was excavated from the on-site soil stockpile.

B. Landfill Infrastructure

As of Friday, July 16, 2004 the final six geomembrane boot seals behind the Stage III sideriser building were completed. We anticipate no further geosynthetic installation activity until sufficient fill is placed for the liner system geosynthetics to be folded onto the new fill and secured in the anchor trench.

The 14-inch diameter HDPE gas system pipe stub connection was installed near the northeast corner of Stage II Phase II, but has not been connected to the existing 14-inch diameter gas header located outboard from the MSE berm.

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II. Construction Schedule

The Construction Schedule has been updated and a copy is enclosed. The schedule reflects adjustments to the completion dates of a few Bid Items (i.e. the sideriser building relocation and leachate forcemain were delayed). The final project completion date remains unchanged.

III. Design Changes

No design changes were made during this construction period.

IV. Damage and Repair Information

The extent of the void described in the previous Status Report on the east side of Stage II Phase II was video surveyed and the results indicate that the void extends approximately 30 to 35 feet beneath the secondary liner, and roughly follows the alignment of the secondary leachate cleanout riser. The proposed work plan to repair the subgrade beneath the secondary liner includes tremie pumping cementitious flowable fill directly in the void to restore the liner subgrade, reconstructing the liner system, filling the area that was formerly filled with refuse with Select Sand, and capping the area with 18-inches of compacted 1-inch minus till. The proposed "zigzag" liner system Select Sand for the earthen berm would then be reconstructed. Completion of the repair work is planned for the week of July 19, 2004.

The 12-inch diameter HDPE gas main that was damaged in March near the northeast corner of Stage II Phase II was repaired. The repair included installing a new prefabricated section of HDPE pipe and two electrofusion couplings.

If you have any questions, or require further information, please feel free to call.

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



David Cedarholm, P.E.
Project Manager

DC/JAC

Attachment: Updated Construction Schedule

cc: Eugene J. Martin, NCES
James A. Chabot, P.E., SHA