

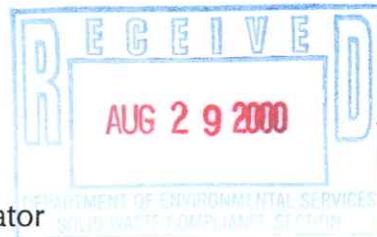
MEM



North Country Environmental Services, Inc.

August 24, 2000

Mr. John Cotton
Groundwater Management Permits Coordinator
NH Department of Environmental Services
Waste Management Division
6 Hazen Drive
Concord, NH 03301



3 Pitkin Court
Montpelier, Vermont 05602

(802) 223-7221
(802) 223-7128 Fax

**RE: North Country Environmental Services, Inc. Landfill
Bethlehem, New Hampshire
Groundwater Permit No. GWP-198704033-B-003
Triannual Groundwater Quality Monitoring – July 2000
Ambient Groundwater Standard Exceedance Notification**

Dear Mr. Cotton:

This letter is sent to notify you that we are reporting exceedances of ambient groundwater quality standards (AGQS) for samples collected during the most recent groundwater sampling event at North Country Environmental Services, Inc. (NCES) Landfill between July 17-19, 2000.

Elevated concentrations were reported for bis(2-ethylhexyl)phthalate in B-101 (14.5 micrograms per liter (ug/l)) and arsenic in B-102D (0.108 milligrams per liter (mg/l)), B-103D (0.081 mg/l), MW-801 (0.055 mg/l), MW-804 (0.054 mg/l), and MW-806 (0.056 mg/l). Bis(2-ethylhexyl)phthalate and arsenic have previously been detected at concentrations above the AGQSs at NCES.

The attached memorandum from Paul Sanborn at Sanborn, Head & Associates provides a summary of the results and a discussions of the exceedances. The results were received in his office on August 16, 2000. This notification is being forwarded to you within 10 days of receipt in accordance with NHDES Rule Env-Wm 1403.21. The complete set of analytical results for the July 2000 sampling event will be submitted to your office with a written report.

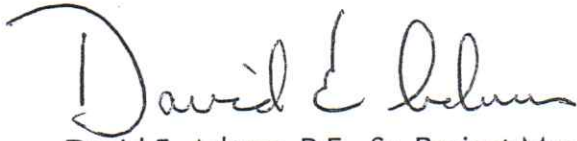
Please give me a call if you have any questions.

TOWN:	BETHLEHEM
PROJECT:	NCES Stage II
LETTER/DATA/PERMIT/FA/OTHER:	

Mr. John Cotton
August 24, 2000
Page 2 of 2

Sincerely,

NORTH COUNTRY ENVIRONMENTAL SERVICES, INC.



David E. Adams, P.E., Sr. Project Manager
Permits, Compliance & Engineering

Enclosure

cc:

Michael McCluskey, P.E., NHDES
Larry Lackey, North Country Environmental Services, Inc.
Lenny Wing, North Country Environmental Services, Inc.
Joe Gay, North Country Environmental Services, Inc.
Al Sabino, North Country Environmental Services, Inc.
Robert Banfield, North Country Environmental Services, Inc.
Paul Sanborn, Sanborn, Head & Associates

[C:\Casella\NCES\Groundwater Sampling\Letter-J.Cotton, Tri-Annual Report (July 2000)-Elevated Notification.doc]



Sanborn, Head & Associates

Consulting Engineers & Scientists

MEMORANDUM

To: Mr. David E. Adams
North Country Environmental Services, Inc.

From: Paul M. Sanborn *PS*
Sanborn, Head & Associates, Inc.

File: 1003.1

Date: August 21, 2000

Re: July 17, 2000 Water Quality Monitoring Results
North Country Environmental Services, Inc.
Bethlehem, New Hampshire

On August 16, 2000, Sanborn, Head & Associates, Inc. (SHA) received the results of the July Water Quality Monitoring at the North Country Environmental Services, Inc. (NCES) facility in Bethlehem, New Hampshire (Site) conducted between July 17 and 19, 2000. Samples were submitted to Endyne, Inc. (Endyne) of Williston, Vermont for analysis for the parameters required by the Groundwater Permit for the facility.

Several exceedences of Ambient Groundwater Quality Standard (AGQS) were noted in groundwater from the Site:

- One acid-base neutral (ABN) extractable compound, bis(2-ethylhexyl)phthalate, was detected in groundwater from B-101 at a concentration of 14.5 micrograms per liter ($\mu\text{g}/\text{l}$), exceeding the AGQS of 6 $\mu\text{g}/\text{l}$ for this compound. The groundwater sample from B-101 was the only sample submitted for SVOC analyses.

The analysis for ABNs in groundwater from B-101 was performed at the request of John Cotton of the New Hampshire Department of Environmental Services (NHDES) to provide confirmatory data relative to the presence of bis(2-ethylhexyl)phthalate, which was detected in samples collected from B-101, MW-402L, MW-404U, and MW-803 in July 1999. ABNs were not detected in the samples from MW-402L, MW-404U, or MW-803 in the April 2000 sampling round; however, a concentration of 33.2 $\mu\text{g}/\text{l}$ was noted in groundwater from B-101 in April 2000. Therefore, ABN analysis was included in this July 2000 round.

*Paul M. Sanborn • Charles L. Head • R. Scott Shillaber
Charles A. Crocetti • Mathew A. DiPilato • Daniel B. Carr • Duncan W. Wood*

Sanborn, Head & Associates, Inc.
6 Garvins Falls Road • Concord, New Hampshire 03301
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- Arsenic was detected above its AGQS of 0.05 milligrams per liter (mg/l) in B-102D, B-103D, MW-801, MW-804, and MW-806. Analyses for arsenic and other inorganic constituents is required to be performed yearly in July. Previous concentrations of arsenic detected in groundwater from the Site have exceeded AGQSS.

No volatile organic compounds (VOCs) were detected above the applicable AGQSS.

In accordance with the Groundwater Management and Release Detection Permit for the Site (GWP-198704033-B-003), and pursuant to our telephone conversation today, we understand that NCES will notify NHDES in writing of the above exceedences of AGQSS by August 26, 2000.