



State of New Hampshire  
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-2900 FAX (603) 271-2456



January 4, 2001

Mr. Joe Gay, E.I.  
North Country Environmental Services, Inc.  
3 Pitkin Court  
Montpelier, VT 05602

**Subject: Bethlehem - North Country Environmental Services Landfill, Trudeau Road,  
November 2000 Water Quality Monitoring Results (DES #198704033)**

Dear Mr. Gay:


The Department of Environmental Services (Department) has reviewed the water quality results for November 2000 received on December 28, 2000. At some wells there were first time detections of certain volatile organic compounds (VOCs). Although the concentrations, as listed below, were at very low levels, any occurrence in release detection wells is above background.

1. VOCs were detected in release detection well MW-402U for the first time. The detections were 1,1-Dichloroethane at 3.5 ug/L, cis-1,2-Dichloroethene at 1.0 ug/L and 1,1,1-Trichloroethane at 1.1 ug/L.
2. In release detection well MW-403L, 1,1-Dichloroethane was detected at 1.4 ug/L for the first time. The only other VOC ever detected in this well was Dichlorodifluoromethane (0.8 ug/L) in April 1999, and that was probably due to laboratory contamination.
3. In release detection well MW-802, 1,1-Dichloroethane was detected at 4.9 ug/L, cis-1,2-Dichloroethene at 2.0 ug/L and Trichloroethene at 1.2 ug/L.
4. In new release detection well B-914U, 1,1-Dichloroethane was detected at 1.2 ug/L.
5. In new release detection well B-914L, Tetrahydrofuran was detected at 40.7 ug/L and 1,1-Dichloroethane was detected at 4.9 ug/L.

As provided in the rules for Groundwater Management and Groundwater Release Detection Permits (Env-Wm 1403), please respond with explanations for these VOC occurrences. The Groundwater Management and Release Detection Permit revised December 15, 2000, specifies sampling for VOCs in April 2001 for the wells listed in items 1, 2, 3 and 4 above. Well B-914L shall also be analyzed for VOCs by EPA Method 8260B in April 2001.

Please contact me at (603) 271-0673 if you have any questions.

Sincerely,

  
John Cotton, Hydrogeologist  
Waste Management Division

cc: Richard Reed, SWMB  
John Regan, HWRB  
Town of Bethlehem  
Paul Sanborn, Sanborn, Head & Associates, Inc.  
Bill Williams, Office of Congressman Charlie Bass  
HWRB File