



The State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES



Thomas S. Burack, Commissioner

March 13, 2014

Shaun Mulholland, Town Administrator
Board of Selectmen
Town of Allenstown
16 School Street
Allenstown, NH 03275

Subject: **Allenstown** – Town of Allenstown Landfill, 161 Granite Street,
DES Site #199012032, Project #2574

Periodic (Annual) Summary Report 2013 (Report), prepared by Nobis
Engineering, Inc., dated January 28, 2014

Dear Mr. Mulholland:

Please find enclosed revised Groundwater Management Permit Number **GWP-199012032-A-002**, approved by the Department of Environmental Services (Department). This permit revision is made following a recommendation by your environmental consultant, Nobis Engineering, Inc. to remove low level 1,4-dioxane testing from the permit. Based on our review of the site data, we concur that this reduction is warranted.

Additionally, please note that Monitoring Condition #7 has been modified from the previous permit such that standard submission of permit monitoring data collected biannually (in April and November) each year has been changed to once a year in November. Also, **the annual summary report has been changed to a biennial summary report in even numbered years, with the next summary report due in January 2016**. Please note that standard submission of permit monitoring data collected in **November each odd numbered year** still need to be submitted within 45 days in accordance with standard permit conditions. It is anticipated that analysis for volatile organic compounds and metals will continue to be required at some reduced frequency in future permits.

All monitoring summaries and all required sampling results shall be submitted to the Groundwater Management Permits Coordinator at the address below. All correspondence must contain a cover letter that clearly shows the Department identification number for the site (DES #199012032).

Should you have any questions with this permit, please contact me at the Waste Management Division.

Sincerely,

Peter L. Beblowski, C. P.G.
Hazardous Waste Remediation Bureau
Groundwater Remediation & Permitting
Tel: (603) 271-2999
Fax: (603) 271-2181
E-mail: peter.beblowski@des.nh.gov

cc: Michael Guilfooy, PE, Administrator SWMB
Karlee Kenison, PG, HWRB-GR&P, Supervisor
Thomas Bobowski, PE, PG, CG, Nobis Engineering, Inc.



The
NEW HAMPSHIRE DEPARTMENT OF ENVIRONMENTAL SERVICES
hereby issues
GROUNDWATER MANAGEMENT PERMIT NO. GWP-199012032-A-002
as revised
to the permittee
TOWN OF ALLENSTOWN
to monitor groundwater quality at the
ALLENSTOWN LANDFILL
(161 Granite Street)
in ALLENSTOWN, N.H.
via the groundwater monitoring system comprised of
5 monitoring wells, 1 surface water sampling location and 1 water supply well
as depicted on the Site Plan entitled
"Figure 2 – Site Sketch with Groundwater Data"
dated January 2014, prepared by Nobis Engineering, Inc.

TO: BOARD OF SELECTMEN
TOWN OF ALLENSTOWN
16 SCHOOL STREET
ALLENSTOWN, NH 03275

Date of Issuance: April 21, 2011
Date of Revision (1): May 10, 2011
Date of Revision (2): March 13, 2014
Date of Expiration: April 20, 2016

Pursuant to authority in N.H. RSA 485-C:6-a, the New Hampshire Department of Environmental Services (Department), hereby grants this permit to monitor groundwater at the above described location for five years subject to the following conditions:

(continued)

STANDARD MANAGEMENT PERMIT CONDITIONS

1. The permittee shall not violate Ambient Groundwater Quality Standards adopted by the Department (N.H. Admin. Rules Env-Or 600) in groundwater outside the boundaries of the Groundwater Management Zone, as shown on the referenced site plan.
2. The permittee shall not cause groundwater degradation that result in a violation of surface water quality standards (N.H. Admin. Rules Env-Ws 1700) in any surface water body.
3. The permittee shall allow any authorized staff of the Department, or its agent, to enter the property covered by this permit for the purpose of collecting information, examining records, collecting samples, or undertaking other action associated with this permit.
4. The permittee shall apply for the renewal of this permit at least 90 days prior to its expiration date.
5. This permit is transferable only upon written request to, and approval of, the Department. Compliance with the existing Permit shall be established prior to permit transfer. Transfer requests shall include the name and address of the person to whom the permit transfer is requested, signature of the current and future permittee, and a summary of all monitoring results to date.
6. The Department reserves the right, under N.H. Admin. Rules Env-Or 600, to require additional hydrogeologic studies and/or remedial measures if the Department receives information indicating the need for such work.
7. The permittee shall maintain a water quality monitoring program and submit monitoring results to the Department's Waste Management Division no later than 45 days after sampling. Samples shall be taken from monitoring wells and surface water sampling points as shown and labeled on the referenced site plan and other sampling points listed on the following table in accordance with the schedule outlined herein:

Monitoring Locations	Sampling Frequency	Parameters
MW-1, MW-2, MW-3, MW-4, MW-5, SW-1	November each year	Specific Conductance @ 25° C, pH, Temperature, Chloride, Sulfate, Nitrate, TKN, Iron, Manganese, and Static Water Elevation (in monitor wells)
Site Supply Well: DW-1	November each year	Specific Conductance @ 25° C. pH, Temperature, Chloride, Sulfate, Nitrate, TKN, Iron, and Manganese.
DW-1	November 2015	NHDES Waste Management Division Full List of Analytes for Volatile Organics and Drinking Water Metals.

Sampling shall be performed in accordance with the documents listed in Env-Or 610.02 (e). Samples shall be analyzed by a laboratory certified by the U.S. Environmental Protection Agency or the New Hampshire Department of Environmental Services pursuant to Env-C 300.

All overburden groundwater samples collected for metal analyses (iron, manganese, and Drinking Water Metals) shall be analyzed for dissolved metals; and thus must be field filtered (with a 0.45-micron filter) and acidified after filtration in the field. Surface water samples and samples collected from bedrock or water supply wells shall be analyzed for total metals, and shall not be filtered. As referred to herein, the term "Drinking Water Metals" refers to arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver.

Summaries of water quality shall be submitted **biennially in even numbered years** to the Department's Waste Management Division, starting in **January 2016**, using a format acceptable to the Department. The Biennial Summary Report shall include the information listed in Env-Or 607.04 (a), as applicable. The **Biennial Summary Report** shall be prepared and stamped by a professional engineer or professional geologist licensed in the State of New Hampshire.

8. Issuance of this permit is based on the Groundwater Management Permit Application dated December 17, 2010 and the historical documents found in the Department file DES #199012032. The Department may require additional hydrogeologic studies and/or remedial measures if invalid or inaccurate data are submitted.
9. Within 30 days of discovery of a violation of an ambient groundwater quality standard at or beyond the Groundwater Management Zone boundary, the permittee shall notify the Department in writing. Within 60 days of discovery, the permittee shall submit recommendations to correct the violation. The Department shall approve the recommendations if the Department determines that they will correct the violation.
10. All monitoring wells at the site shall be properly maintained and secured from unauthorized access or surface water infiltration

ADDITIONAL CONDITION FOR LANDFILLS

11. The permittee shall maintain an adequate cover over the waste mass to prevent direct contact with potential receptors at the surface and to control movement of the waste material by wind or water.

SPECIAL CONDITIONS FOR THIS PERMIT

12. The permittee shall update ownership information required by Env-Or 607.03(a)(20) for all properties within the Groundwater Management Zone prior to renewal of the permit or upon a recommendation for site closure.
13. Recorded property within the Groundwater Management Zone includes the lots, or portions thereof, as listed and described in the following table:

Tax Map / Lot No.	Property Address	Owner Name and Address	Deed Reference (Book / Page)
M106 / L19	Allenstown Landfill 161 Granite Street Allenstown, NH 03275	Town of Allenstown 16 School Street Allenstown, NH 03275	B1812 / P560 & B1179 / P384-388
M106 / L18*	Allenstown Aggregate 169 Granite Street Allenstown, NH 03275	Allenstown Aggregate, LLC PO Box 221 Auburn, NH 03032	B2698 / P0280

*Portion of the Allenstown Aggregate property included as part of the GMZ is described as follows:

Commencing at an iron pipe at the southwest corner of Town of Allenstown Map 106, Lot 19, said point being 629.37 feet S38° 19' 46" E of the northwest corner of Tax Map 106, Lot 19; thence S 70° 03' 28" W at a distance of 199.86 feet to an iron pin (#5 rebar) on to Map 106, Lot 18; thence S 53° 38' 51" E at a distance of 717.92 feet to an iron pipe as the point of origin as the southeast boundary point of the Town of Allenstown Map 106, Lot 19.

14. UNDEVELOPED LOTS WITHIN THE GROUNDWATER MANAGEMENT ZONE

Consistent with Env-Or 607.06(d), for each undeveloped lot, or portion thereof, which is within the Groundwater Management Zone and lacks access to a public water supply, the permittee shall contact the property owner annually to determine if a water supply well has been installed. **The results of these inquiries shall be reported to the Department Annually.** Upon discovery of a new drinking water supply well within the Groundwater Management Zone, the permittee shall provide written notification to the Department and, to ensure compliance with Env-Or 607.06(a), submit a contingency plan to provide potable drinking water in the event the well is or becomes contaminated above the ambient groundwater quality standards. The potable water supply shall meet applicable federal and state water quality criteria. This plan shall be submitted to the Department for approval within 15 days of the date of discovery.

The permittee shall sample the new supply well within 30 days of discovery. The well shall be sampled for all the analytical parameters included in Standard Condition # 7, unless otherwise specified in writing by the Department. The permittee shall forward all analytical results to the Department's Waste Management Division, the Department's Environmental Health Program, and the owner of the drinking water supply well within 7 days of receipt of the results.

If the results for the new well meet the ambient groundwater quality standards, the permittee shall continue to sample the new wells annually as part of the permit.

If the results for the new well indicate a violation of the ambient groundwater quality standards, the permittee shall notify the owner immediately and conduct confirmatory sampling within 14 days of receiving the original results.

Upon confirmation of a violation of the ambient groundwater quality standards in a new drinking water well, the permittee shall immediately implement the contingency plan to provide a potable drinking water supply that meets applicable federal and state water quality criteria.



Carl W. Baxter, P.E., Administrator
Hazardous Waste Remediation Bureau
Waste Management Division

Under RSA 21-0:14 and 21-0:9-V, any person aggrieved by any terms or conditions of this permit may appeal to the Waste Management Council in accordance with RSA 541-A and N.H. Admin. Rules, Env-WMC 200. Such appeal must be made to the Council within 30 days and must be addressed to the Chairman of the Waste Management Council, c/o Appeals Clerk, Department of Environmental Services Legal Unit, 29 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095.