



The State of New Hampshire  
**Department of Environmental Services**



**Robert R. Scott, Commissioner**

EMAIL ONLY

May 1, 2023

Bobby Patel (enfieldgasnfood@gmail.com)  
SBP Realty, LLC  
497 US Route 4  
Enfield, NH 03748

**Subject Site:**           **Enfield – Petro Mart, 497 US Route 4**  
DES Site #199107004, LUST Project #3017

**Groundwater Monitoring and Monitoring Well Assessment Data Transmittal - April 2022**, prepared by Calex Environmental, LLC, submitted June 11, 2022 (Activity #302721)

Dear Mr. Bobby Patel:

The New Hampshire Department of Environmental Services (NHDES) has reviewed the subject report and other information in our files regarding the petroleum hydrocarbons discharge discovered on June 25, 1991 at the referenced site. The report meets the groundwater sampling and human receptor research requirements outlined in our letter dated February 9, 2022. Based on our review of the existing information, NHDES has the following comments:

1. NHDES has reviewed the data from overburden well sampling at the PetroMart property, Map 15, Lot 9. None of the wells accessible for groundwater samples showed concentrations of petroleum hydrocarbons in the samples collected on April 28, 2022. These results confirm the decrease to below non-detect noted in previous rounds conducted regularly until November 2012. NHDES agrees with your consultants recommendation to complete a confirmatory fall groundwater sampling. Please direct your consultant to complete groundwater sampling in accordance with the expired GMP in October 2023. A standard data transmittal is due within 45-days of sample collection and no later than December 15, 2023.
2. Petroleum compounds have never been detected in Lovejoy Brook at locations LJB-1 and LJB-2. NHDES does not require any further sampling of the Lovejoy Brook at this time.
3. NHDES has reviewed the history of concentrations in bedrock supply wells within 1000-feet of the former PetroMart property where a release of petroleum was reported in 1991. Concentrations of gasoline-related compounds were not initially detected for several years but were later detected and have persisted below their Ambient Groundwater Quality Standards (AGQS) in the supply wells at Map 15, Lot 9-A; Map 15, Lot 13-1; and Map 36, Lot 11. The supply well at Map 15, Lot 8 has not been used since the property was connected to the municipal water line, has not been sampled since April 27, 2009, and the owner did not respond to a request for access to collect a sample. Samples collected between July 2, 1992 and February 7, 2001 did not show any concentrations of gasoline-related compounds.

[www.des.nh.gov](http://www.des.nh.gov)

PO Box 95, 29 Hazen Drive, Concord, NH 03302-0095

Telephone: (603) 271-3899    Fax: (603) 271-2181    TDD Access: Relay NH 1-800-735-2964

4. Several private supply wells within 1000-feet of the former PetroMart property have not been sampled before or were sampled only once in the early 1990's. NHDES could find no record that supply wells at Map 15, Lots 10-5, 11, 12, and 13 were ever sampled.
5. Currently active supply wells at Map 15, Lots 10-2 and 10-4 were sampled once on July 28, 1992. Given the increase in concentrations of gasoline-related compounds noted in more regularly sampled bedrock supply wells since the initial rounds of sampling, the owners of these properties serviced by active bedrock supply wells should be offered the opportunity to have information on the current concentrations in their supply wells.
6. If access allows, please collect water quality samples for analysis of the NHDES Waste Management Division's Full List of Volatile Organic Compounds (VOCs) by EPA Method 524.2 from active private water supply wells on properties within 1000-feet of the site property and the former supply wells on the Map 15, Lot 8 and Map 36, Lot 11 properties. The results of the sampling shall be submitted to SBP Incorporation, NHDES, and to the respective property owners within 45 days of sample collection. Immediate verbal notification is required upon receipt of analytical sampling results showing exceedances of the New Hampshire AGQS for post treatment drinking water or drinking water that is untreated prior to use. Analytical sampling reports shall be submitted within 5 days of a verbal notification.
7. NHDES has reviewed the Potential Receptor Table included in the above-referenced report and requests a revised Potential Receptor Table accompany the above-referenced private supply well sampling report clarifying the following:
  - a. Previous reports document that the property at Map 15, Lot 1 is the site of two municipal supply wells, "Prior #1" and "Prior #2". Page 1 of the Potential Receptor Table states that this is undeveloped land supplied with public water with a "prior" well indicated on the tax card. Please verify the current status of the Prior Well Field as a municipal water supply in the Potential Receptor Table.
  - b. Page 1 of the Potential Receptor Table includes an "N" in the Public Water column for Map 15, Lot 8 but the text of the report and Note 1 on the table state that municipal water is available to the property. Please correct this inconsistency.
  - c. Page 1 of the Potential Receptor Table includes a "Y" in the Public Water column for Map 15, Lot 9 but previous reports have stated that the property is supplied with water from the "Tenney" bedrock well on Map 15, Lot 9A. Please provide the date that the municipal water connection for Map 15, Lot 9 was installed on the Potential Receptor Table for clarification as this is a new condition since previous potential receptor reporting on the site.
  - d. Page 4 of the Potential Receptor Table includes an "N" in the Public Water column for Map 36, Lot 17 but the text of the report states the property owner indicated the property is currently connected to the Enfield municipal water supply. Please correct the information on the water supply for Map 36, Lot 17 in the Potential Receptor Table.

8. Please also note that NHDES will only consider site closure when site soil and groundwater meet the applicable regulatory standards. Soil laboratory analytical data was limited to soils removed from the site at the time the underground storage tanks (USTs) that caused the release were removed in June 1991. The only in-situ soil analysis NHDES could locate in the files was a series of field gas chromatograph samples collected during installation of MW-1 through MW-4 on October 9, 1991. Two of the soil samples from MW-2 showed concentrations above the current Soil Remediation Standards for methyl tertiary butyl ether (MTBE) and benzene. Before a Certificate of No Further Action can be issued, additional investigation is required to determine current concentrations of residual petroleum hydrocarbons in soil in the former UST release area and directly downgradient in the southwest corner of the Map 15, Lot 9 property.
9. NHDES requests that you direct your consultant to submit a work scope and budget for an updated characterization of soil contamination at the property within 30 days of receipt of this letter. The work scope shall include a site map showing proposed soil sample locations. Please continuously sample each boring from grade to a depth where photo-ionization detector readings are no longer elevated. Samples shall be field screened for the presence of VOC vapors at one-foot intervals. In addition, a boring log shall be generated for each boring, with detailed observations of site stratigraphy, the presence of fill and lower or higher permeability soils. One soil sample shall be collected for laboratory analysis of VOCs, total petroleum hydrocarbons (TPH), and polycyclic aromatic hydrocarbons (PAHs) from the highest VOC screening zone observed within each boring or from the depth of the groundwater table elevation, if elevated VOCs are not detected. Regardless of field screening results, confirmatory soil samples shall be collected from locations and depths of previous SRS exceedances, specifically as close as feasible to monitoring well MW-2. To avoid positive PAH results not associated with petroleum contamination in soil, please ensure samples submitted for laboratory analysis are free of bituminous pavement. In addition, if fill is observed during the installation of monitoring wells, please note on the boring log if the material contains coal or wood ash.
10. A soil sampling report is due within 90 days of receipt of this letter. The report shall contain the following:
  - i. a log for each boring with detailed observations of site stratigraphy and the presence of lower or high permeability lenses.
  - ii. tabulated laboratory analytical results compared to the New Hampshire Soil Remediation Standards.
  - iii. an updated plan view of areas with SRS exceedances, if applicable.
  - vii. recommendations for additional investigation and/or remediation if warranted.

#### **Facility Compliance and Cost Reimbursement**

A review of our files shows that SBP Realty, LLC is eligible to be reimbursed by the New Hampshire Petroleum Reimbursement Fund Program (Fund) for costs to implement NHDES-required investigation and remediation related to the petroleum hydrocarbons discharge discovered on June 25, 1991.

To receive reimbursement from the Fund, all work must be pre-approved and conducted in accordance with New Hampshire Code of Administrative Rules Odb-400. Please direct your consultant to submit a detailed work scope and budget for NHDES approval using the [Unit Based Rates and Service Providers, Contracts & Markup tables](#). The work scope and budget for the site monitoring well sampling requested in item #1, private water supply well sampling requested in items #4 and #5 as well as the updated characterization of soil contamination requested in item #9 of this letter is due within 30 days of receipt of this letter. For additional assistance on the Fund reimbursement process and compliance status of your facility, please contact Jennifer Marts, P.G., Petroleum Fund Management Section Supervisor, at (603) 271-2570 or by email at [Jennifer.Marts@des.nh.gov](mailto:Jennifer.Marts@des.nh.gov).

Please do not hesitate to contact me if you have any questions regarding this letter.

Sincerely,



E. Molly Stark, P.G.  
Oil Remediation & Compliance Bureau  
Tel: (603) 271-8585  
Fax: (603) 271-2181  
Email: [Elizabeth.Stark@des.nh.gov](mailto:Elizabeth.Stark@des.nh.gov)

ec: Margaret Bastien, P.E., ORCB  
Enfield Health Officer  
Ronald T. Guerin, Calnex Environmental, LLC ([rguerin@calnexenvironmental.com](mailto:rguerin@calnexenvironmental.com))

Route/ec: Renée S. Strondak, P.G., ORCB