

NOV 22 1993

November 18, 1993

E. Matt Germon, Environmental Engineer  
Sites Management Section  
Agency of Natural Resources  
103 South Main Street/West Building  
Waterbury, VT 05671-0404

Re: Waterbury BP, 145 South Main Street, Waterbury, Vermont

Dear Matt:

As we recently discussed, Stephen Van Esen has hired me to perform an environmental site assessment at the above-referenced site. Underground storage tanks were removed at the site in 1989, and soil contaminated with gasoline and waste oil were transferred and stockpiled in two piles at a location on Batchelder Street.

It is my understanding that no additional investigative efforts are required at 145 South Main Street, therefore the only remaining issue is the soil which was removed from the site. Unfortunately, the exact location of the soil is unknown. Mr. Van Esen is not certain what happened to the soil although he believes that most of the soil has probably been spread around at the Batchelder Street location. I recently met with Bob Haslam at the site to get his opinion as to where the soil stockpiles were located. Bob identified two general areas where he believes the stockpiles were located (see enclosed site sketch).

The area identified as the waste-oil pile has recently been graded, leaving no trace of former conditions. Soil at this location may have been moved off site or spread around during grading activities. The area identified as the gasoline pile presently includes a debris pile, as well as some small mounds covered with vegetation. The small mounds might be remnants of the gasoline soil pile.

I propose to perform a PID (photoionization detector) survey at the site to monitor for the presence of petroleum-contaminated soil. Six grab samples will be collected in each of the identified stockpile locations. A hand auger will be used to obtain surface samples (0 to 8 inch depth) for headspace analysis. Samples will be placed into glass containers or plastic bags, sealed, and equilibrated to room temperatures. Headspace readings will be measured with a Photovac MicroTIP HL-2000, equipped with a 10.6 eV bulb and calibrated to an isobutylene standard. If headspace readings exceed 20 ppm, a sample will be collected for laboratory analysis at the location exhibiting the highest reading. The laboratory analysis will include total petroleum hydrocarbons (EPA Method 418.1) and BTEX compounds (SW-846 Method 5030/8020 modified). If headspace readings do not exceed 20 ppm, no laboratory samples will be collected.

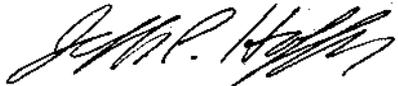
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Based on the existing information (or lack of), I believe this is the best approach in resolving the soil issue. Please let me know if you have any suggestions or ideas.

Sincerely,



Jefferson P. Hoffer  
Consulting Hydrogeologist

enc.

cc: Stephen Van Esen

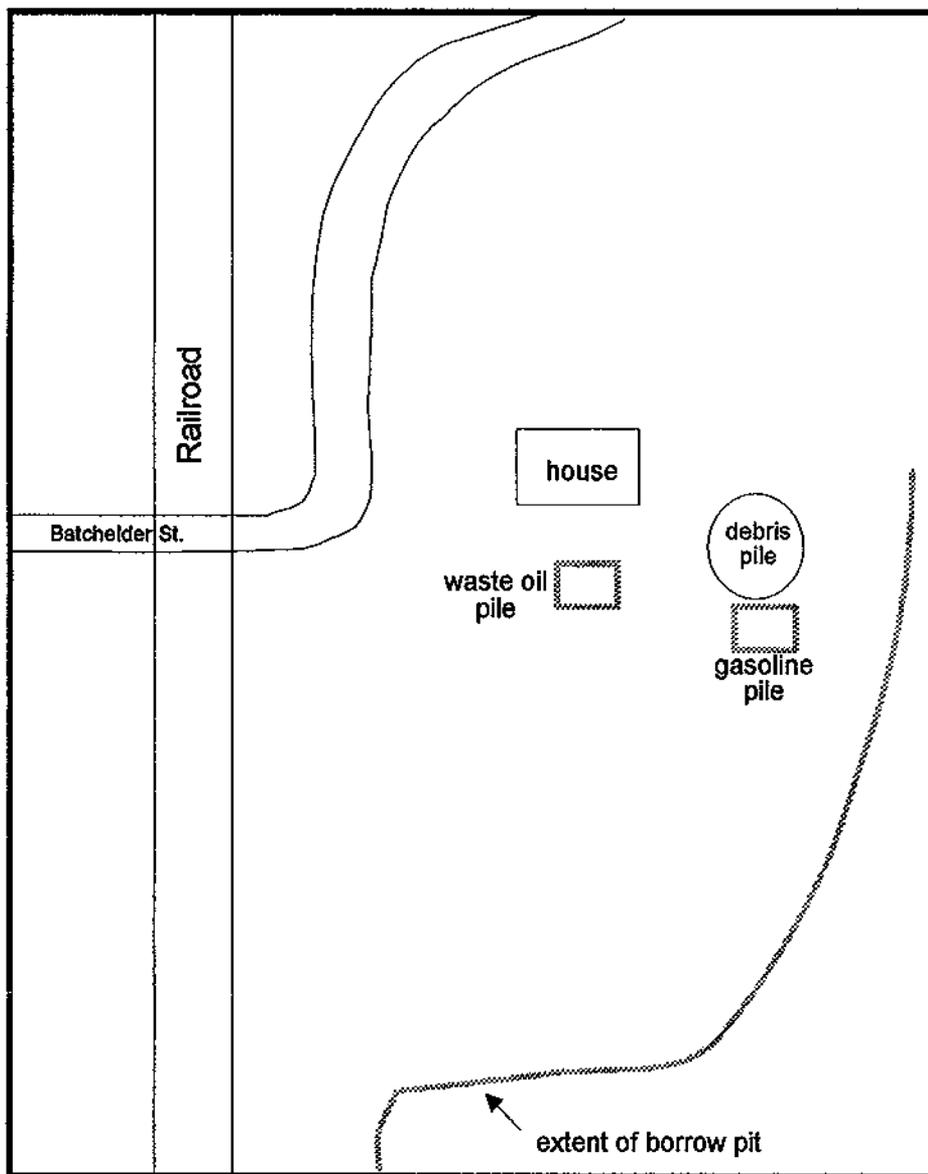


FIGURE 1  
Sketch of Batchelder Street Soil Stockpiles,  
Waterbury B.P. Site, Waterbury, Vermont.