



**P. W. GROSSER**  
CONSULTING  
ENGINEERS &  
HYDROGEOLOGIST, P.C.

August 11, 2004

Nathan E. Putnam, NYSDEC  
Division of Environmental Remediation  
NYS Department of Environmental Conservation  
50 Wolf Road  
Albany, N.Y. 12233-7010

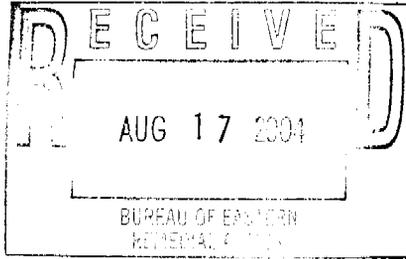
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*Re: Revised Addendum  
March 2004 Interim Groundwater  
Investigation Report  
Former Penetrex Processing, Inc.  
Glen Head, New York  
(Site No. 1-30-034)*

Dear Mr. Putnam:

P.W. Grosser Consulting Inc. (PWGC) is in receipt of your July 28, 2004 correspondence which provides comments to our proposed soil gas survey work plan. The soil gas work plan was original contained in our initial June 29, 2004 addendum to our March 2004 Interim Groundwater Investigation Report (Interim Report). The Department's comments are addressed below in the order that they appear:

**Comment 1 - Soil Gas Survey Work Plan**

To address the Departments concerns regarding soil vapor intrusion into the adjacent buildings, PWGC will conduct soil gas sampling at four (4) locations. PWGC proposes to conduct soil gas sampling at the following locations:

- SG-1 - 10 feet from the former Nameplate building to avoid the effects from the building and to the west of GW-7.
- SG-2 -10 feet from the former Penetrex building and to the north of GW-7.
- SG-3 - will be conducted at the property boundary between GW-7 and the residence to the south.
- SG-4 - will be conducted 10 feet from the foundation of the residence to reduce effects from the building.

The locations of the soil gas survey points are depicted on Figure 4. Given the relatively close proximity of points SG-1 and SG-2, PWGC does not believes soil gas sampling is necessary between these points and GW-7. The locations depicted on





Figure 4 are preliminary and may have to be moved slightly depending on access issues. Final locations will be discussed with the NYSDEC prior to the actual sampling.

A Geoprobe unit will be used to drive probe rods to the desired depth and the drive point knocked out. A one-foot stainless steel screen fitted to tubing riser will be lowered through the rods. The screen depth will be dependent on site topography and will correspond with the depth of the nearest building's foundation for each particular sampling location. The Geoprobe rods will be removed and a bentonite seal will be installed around the riser to prevent short circuiting of air.

Prior to sampling, each soil gas point will be screened with a PID and purged to evacuate between one probe but less than two probe volumes to ensure collection of a representative sample. Purging will be completed using a hand held SKC sample pump (or equivalent) at a rate of 0.1 to 0.2 liters per minute (L/min). Following purging, the sample will be collected directly from the tubing into a six liter laboratory supplied Summa canister attached to the riser using ¼ inch disposable tubing. The samples will be collected with a one hour flow controller at a sampling rate between 0.1 and 0.2 liters per minute.

Samples will be submitted for analysis of TCL VOCs by EPA Method TO-15. Sample results will be reported in micrograms per cubic meter, with a detection limit set at one (1) microgram per cubic meter.

Since the same equipment will be used to perform the soil gas survey as will be used for the vertical profile groundwater sampling, the same decontamination procedure will be followed. When possible, disposable sampling equipment is used to prevent cross contamination. Non-disposable sampling equipment will be cleaned using a distilled water and Alconox detergent wash and a potable water rinse prior to the collection of each sample and between sampling locations.

### **Comment 2**

As indicated, PWGC will conduct a site walkthrough of the existing buildings to document the current inventory of products being used which contain VOC's.

PWGC anticipates that the vertical profile groundwater sampling at GW-7 and the soil gas sampling will be performed first since the sampling will utilize the same equipment (Geoprobe). The inventory of chemicals will be performed at this time. Following the receipt of the data, PWGC will install the permanent monitoring wells and proceed with the rest of the investigation as documented in the Interim Report.

Please indicate your acceptance of this revised addendum and append it to the original March 2004 Interim Report.



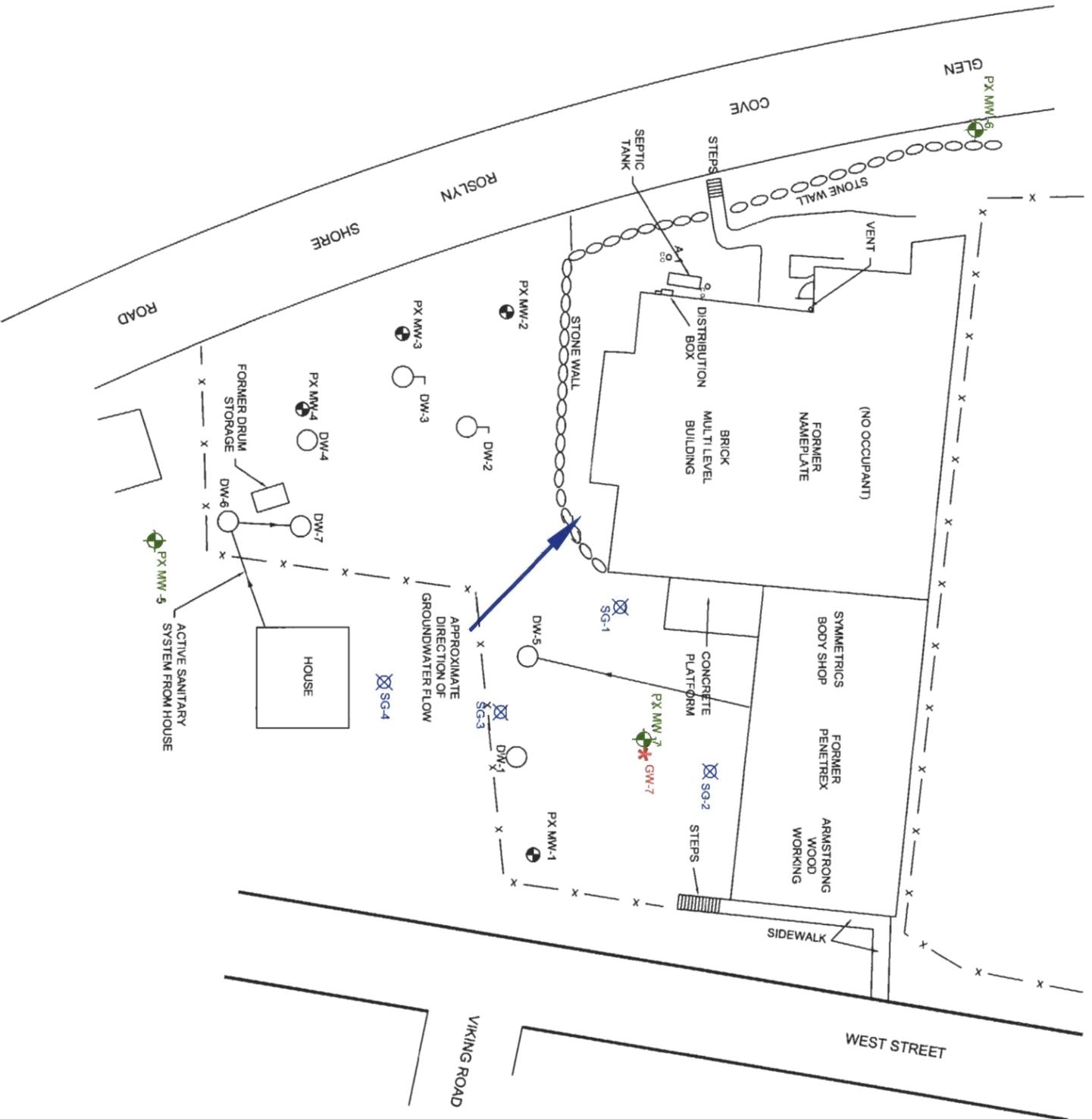
Should you have any questions or need further information, please do not hesitate to contact this office.

Very truly yours,

**PWGC**

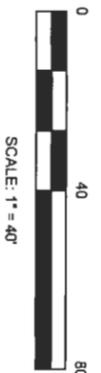
James P. Rhodes, CPG  
Senior Project Manager

cc: J. Nealon, NYSDOH  
W. Parrish, NYSDEC  
G. Bobersky, NYSDEC  
D. Yudelson, Esq.  
L. Weinberger



**LEGEND**

- PX MM-3 EXISTING MONITORING WELL
- DRY WELL / LEACHING STRUCTURE
- ⊗ SG-1 SOIL GAS SAMPLING LOCATION
- PX MM-5 PROPOSED MONITORING WELLS
- ★ GW-7 PROPOSED VERTICAL PROFILE GROUNDWATER SAMPLE LOCATION



PROPOSED MONITORING WELL  
AND VERTICAL PROFILE LOCATIONS  
NYS DEC. I.D. No. 130034

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Project: PEN0001	Designed by: JBR	Figure No.: 4
Scale: 1" = 40'	Approved by: JBR	Date: 02/09/04

SOURCE: YEC, INC., SURVEY MAP 10, JULY 1992