

FPM Group, Ltd.
FPM Engineering Group, P.C.
formerly Fanning, Phillips and Molnar

CORPORATE HEADQUARTERS
909 Marconi Avenue
Ronkonkoma, NY 11779
631/737-6200
Fax 631/737-2410

VIA MAIL AND EMAIL

December 5, 2008

Ms. Geralynn Rosser
Suffolk County Department of Health Services
15 Horseblock Place
Farmingville, NY 11738

Re: **October 2008 Groundwater Sampling Results**
1735 Express Drive North, Hauppauge, New York
FPM File No. 894-06-01

Dear Geralynn:

FPM Group (FPM) has prepared this report to document groundwater sampling performed at the above-referenced facility in accordance with your recommendations. This is the third of four quarterly monitoring events recommended by the Suffolk County Department of Health Services (SCDHS). Monitoring well MW-1 was installed in January 2008 for the purpose of evaluating groundwater conditions immediately downgradient of former leaching pool LP-4, which was remediated in July 2006 and November 2007, and properly abandoned in November 2007 in accordance with SCDHS requirements. The site features and the location of well MW-1 are shown on the attached site plan.

Well MW-1 was gauged on October 8, 2008 with a water level indicator and the depth to water was measured from the top of the PVC casing and recorded. A decontaminated Proactive five-stage pump with a flow controller was utilized to purge the well of at least three casing volumes of water prior to sampling. A well sampling form documenting the purging and sampling procedures was completed and is attached. The pump flow was then reduced to less than 0.25 gallons per minute and a groundwater sample was obtained from the pump and transferred to laboratory-supplied sample bottles. The sample bottles were labeled and maintained in a cooler with ice to depress the sample temperature until delivery to the laboratory. A chain of custody form was completed and kept with the cooler to document the sequence of sample possession. The samples were transmitted to a New York State Department of Health-certified laboratory and analyzed for SCDHS volatile organic compounds (VOCs).

The groundwater analytical results are shown in Table 1 along with the previous results from January and May 2008 and are compared to the New York State Department of Environmental Conservation Class GA Ambient Water Quality Standards (Standards). The complete laboratory analytical report is attached.

The October 2008 groundwater analytical results indicate that six VOCs were detected. The primary VOCs detected include 1,1,1-trichloroethane (1,1,1-TCA) at 200 micrograms per liter ($\mu\text{g/l}$), tetrachloroethene (PCE) at 150 $\mu\text{g/l}$, and trichloroethylene (TCE) at 68 $\mu\text{g/l}$. Concentrations of 1,1-dichloroethane, 1,2-dichloroethylene, and xylenes were also detected but at lower levels than the other VOCs.

The October 2008 groundwater results were compared to the previous results from January and May 2008, following the abandonment of LP-4 as shown in Table 1. In general, VOC concentrations have continued to decline, as anticipated. Total VOC concentrations decreased from 1,100 $\mu\text{g/l}$ in January 2008 to 867 $\mu\text{g/l}$ in May 2008 and to 460 $\mu\text{g/l}$ in October 2008.

Conclusions and Recommendations

Based on the above-described data, the following conclusions and recommendations are noted:

- VOC concentrations in well MW-1 have generally continued to decline since the VOC-impacted source material has been removed and leaching pool LP-4 is no longer in service. VOC concentrations in well MW-1 are anticipated to continue to decline; and
- One additional monitoring event will be performed in January 2009. The SCDHS will be notified in advance of the sampling. Upon receipt of the laboratory results, FPM will evaluate the groundwater monitoring data and prepare a report summarizing groundwater conditions along with our recommendations for the site.

Please provide any comments you may have. If you have any questions, please contact us at 737-6200.

Sincerely,



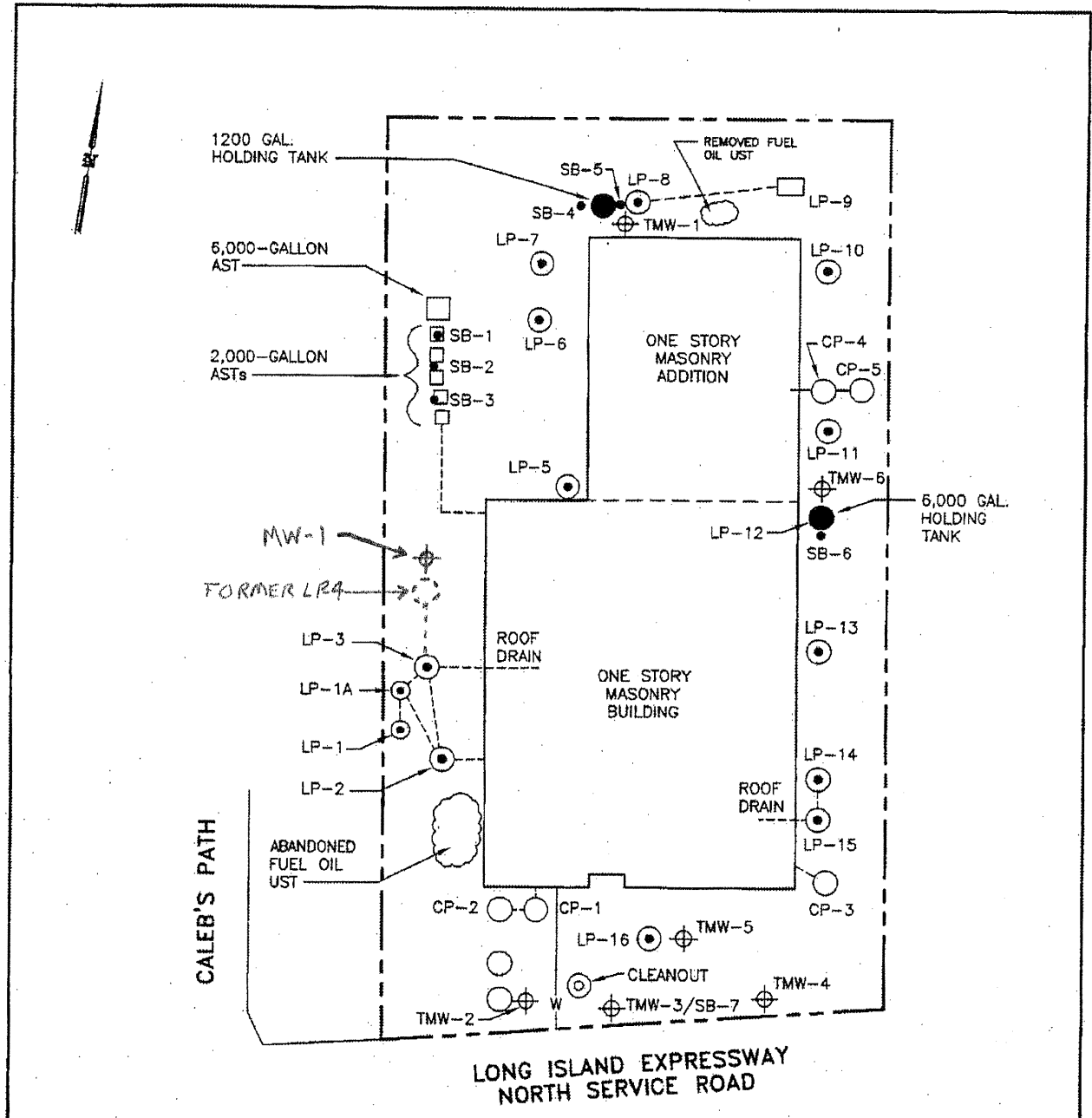
John S. Bukoski
Hydrogeologist



Stephanie O. Davis
Senior Hydrogeologist
Department Manager

JSB/SOD:tac
Attachments

cc: James Maggio
James Ray, Esq.



LEGEND:

- = SOIL BORING
- ⊕ = TEMPORARY GROUNDWATER MONITORING WELL
- = CESSPOOL/SEPTIC TANK
- ⊙ = STORMWATER LEACHING POOL
- = SOLID-BOTTOM CATCH BASIN
- = FORMER USTs
- W— = WATER SERVICE CONNECTION

NOT TO SCALE

| | | |
|--|----------------|--------------|
| FPM GROUP | | |
| FIGURE 1 | | |
| SITE PLAN | | |
| 1735 EXPRESSWAY DRIVE NORTH HAUPPAUGE, NEW YORK | | |
| Drawn By: HC JDS | Checked By: JB | Date: 2/6/08 |

H:\MAGNET SITE PLAN\fig. 1\DW/2006 10:38:30 AM. L1

TABLE 1
GROUNDWATER MONITORING RESULTS
1735 EXPRESS DRIVE NORTH, HAUPPAUGE, NEW YORK

| Sample Location | MW-1 | | | NYSDEC Class GA Ambient Water Quality Standards |
|---|--------------|------------------|-------------------|---|
| | Sample Date | 1/17/08 | 5/9/08 | |
| <i>Volatile Organic Compounds in µg/l</i> | | | | |
| 1,1,1-Trichloroethane | ND | 170 | 200 | 5 |
| 1,2,4-Trimethylbenzene | ND | 17 | ND | 5 |
| 1,1-Dichloroethane | ND | ND | 16 | 5 |
| 1,2-Dichloroethylene (total) | ND | 230(cis-) | 6 (trans-) | 5 |
| Ethylbenzene | ND | 22 | ND | 5 |
| Xylene (total) | ND | 81 | 20 | 5 |
| Tetrachloroethene | 1,100 | 130 | 150 | 5 |
| Toluene | ND | 7 | ND | 5 |
| Trichloroethylene | ND | 210 | 68 | 5 |
| Total VOCs | 1,100 | 867 | 460 | - |

Notes:

ND = Not Detected

NYSDEC = New York State Department of Environmental Conservation

Bold and shaded values exceed NYSDEC Class GA Ambient Water Quality Standards

µg/l = micrograms per liter

WELL SAMPLING DATA FORM

Project: Maggio Printing

Location: 1735 Express Drive North

Well No.: MW-1 Well Diameter: 2 inch

Date: 10/8/08 Start Time: 0900

Weather: Overcast 55°F Finish Time: 1030

Sampled By: JB

Depth to Bottom of Well: 108 Feet.

Depth to Water: 83.45 Feet.

Height of Water Column: 24.55 Feet.

Water Volume in Casing: 3.93 Gallons.

Water Volume to be Purged: 11.8 Gallons.

Water Volume Actually Purged: 12 Gallons.

Purge Method: Low flow submers. pump

Physical Appearance/Comments: Clear, no odor

FIELD MEASUREMENTS:

| Time | Gallons | pH | Cond. (uS) | Temp. (°F) | Turbidity (NTU) |
|------|---------|------|------------|------------|-----------------|
| | 4 | 6.80 | 160 | 55.6 | 101 |
| | 8 | 6.70 | 150 | 54.1 | 41 |
| | 12 | 6.68 | 150 | 54.0 | 30 |
| | | | | | |

Sampling and Analytical Methods: Low flow submers. pump / VOCs

Laboratory Name and Location: York labs - CT

YORK

ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

FPM Group
909 Marconi Avenue
Ronkonkoma, New York 11779
Attention: John Bukoski

Report Date: 10/21/2008

Re: Client Project ID: 894-06-01 / Maggio

York Project No.: 08100458

CT License No. PH-0723

New Jersey License No. CT-005

New York License No. 10854



Report Date: 10/21/2008
 Client Project ID: 894-06-01 / Maggio
 York Project No.: 08100458

FPM Group
 909 Marconi Avenue
 Ronkonkoma, New York 11779
 Attention: John Bukoski

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on 10/10/08. The project was identified as your project "894-06-01 / Maggio".

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the NELAC acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All the analyses met the method and laboratory standard operating procedure requirements except as indicated under the Notes section of this report, or as indicated by any data flags, the meaning of which is explained in the attachment to this report, if applicable.

The results of the analyses, which are all reported on an as-received basis unless otherwise noted, are summarized in the following table(s).

Analysis Results

| Client Sample ID | | | MW-1 | |
|--------------------------------------|------------|-------|--------------|-----|
| York Sample ID | | | 08100458-01 | |
| Matrix | | | WATER | |
| Parameter | Method | Units | Results | MDL |
| Volatiles, Suff. Co. App. A DHS List | SW846-8260 | ug/L | --- | --- |
| 1,1,1,2-Tetrachloroethane | | | Not detected | 5.0 |
| 1,1,1-Trichloroethane | | | 200 | 5.0 |
| 1,1,2,2-Tetrachloroethane | | | Not detected | 5.0 |
| 1,1,2-Trichloroethane | | | Not detected | 5.0 |
| 1,1-Dichloroethane | | | 16 | 5.0 |
| 1,1-Dichloroethene | | | Not detected | 5.0 |
| 1,1-Dichloropropene | | | Not detected | 5.0 |
| 1,2,3-Trichlorobenzene | | | Not detected | 5.0 |
| 1,2,3-Trichloropropane | | | Not detected | 5.0 |
| 1,2,4,5-Tetramethylbenzene | | | Not detected | 5.0 |
| 1,2,4-Trichlorobenzene | | | Not detected | 5.0 |
| 1,2,4-Trimethylbenzene | | | Not detected | 5.0 |
| 1,2-Dibromo-3-chloropropane | | | Not detected | 5.0 |
| 1,2-Dibromoethane | | | Not detected | 5.0 |
| 1,2-Dichlorobenzene | | | Not detected | 5.0 |
| 1,2-Dichloroethane | | | Not detected | 5.0 |

YORK

| Client Sample ID | | | MW-1 | |
|--------------------------------|--------|-------|--------------|-----|
| York Sample ID | | | 08100458-01 | |
| Matrix | | | WATER | |
| Parameter | Method | Units | Results | MDL |
| 1,2-Dichloropropane | | | Not detected | 5.0 |
| 1,3,5-Trimethylbenzene | | | Not detected | 5.0 |
| 1,3-Dichlorobenzene | | | Not detected | 5.0 |
| 1,3-Dichloropropane | | | Not detected | 5.0 |
| 1,4-Dichlorobenzene | | | Not detected | 5.0 |
| 2,2-Dichloropropane | | | Not detected | 5.0 |
| Acetone | | | Not detected | 5.0 |
| Benzene | | | Not detected | 5.0 |
| Bromobenzene | | | Not detected | 5.0 |
| Bromochloromethane | | | Not detected | 5.0 |
| Bromodichloromethane | | | Not detected | 5.0 |
| Bromoform | | | Not detected | 5.0 |
| Carbon Tetrachloride | | | Not detected | 5.0 |
| Chlorobenzene | | | Not detected | 5.0 |
| Chloroethane | | | Not detected | 5.0 |
| Chloroform | | | Not detected | 5.0 |
| Chlorotoluenes, total | | | Not detected | 5.0 |
| cis-1,2-Dichloroethene | | | Not detected | 5.0 |
| cis-1,3-Dichloropropene | | | Not detected | 5.0 |
| Dibromochloromethane | | | Not detected | 5.0 |
| Dibromomethane | | | Not detected | 5.0 |
| Dichlorodifluoromethane | | | Not detected | 5.0 |
| Ethylbenzene | | | Not detected | 5.0 |
| Freon-113 | | | Not detected | 5.0 |
| Hexachlorobutadiene | | | Not detected | 5.0 |
| Isopropylbenzene | | | Not detected | 5.0 |
| Methyl ethyl ketone | | | Not detected | 5.0 |
| Methyl isobutyl ketone | | | Not detected | 5.0 |
| Methylene Chloride | | | Not detected | 5.0 |
| MTBE (methyl tert-butyl ether) | | | Not detected | 5.0 |
| Naphthalene | | | Not detected | 5.0 |
| n-Butylbenzene | | | Not detected | 5.0 |
| n-Propylbenzene | | | Not detected | 5.0 |
| p-Diethylbenzene | | | Not detected | 5.0 |
| p-Ethyltoluene | | | Not detected | 5.0 |
| p-Isopropyltoluene | | | Not detected | 5.0 |
| sec-Butylbenzene | | | Not detected | 5.0 |
| Styrene | | | Not detected | 5.0 |
| tert-Butylbenzene | | | Not detected | 5.0 |
| Tetrachloroethene | | | 150 | 5.0 |
| Toluene | | | Not detected | 5.0 |
| trans-1,2-Dichloroethene | | | 6 | 5.0 |
| trans-1,3-Dichloropropene | | | Not detected | 5.0 |
| Trichloroethene | | | 68 | 5.0 |
| Trichlorofluoromethane | | | Not detected | 5.0 |
| Vinyl Chloride | | | Not detected | 5.0 |
| Xylenes, total | | | 20 | 5.0 |

Units Key:

For Waters/Liquids: mg/L = ppm ; ug/L = ppb

For Soils/Solids: mg/kg = ppm ; ug/kg = ppb

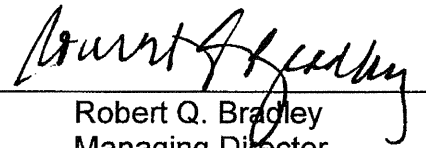
YORK

Report Date: 10/21/2008
Client Project ID: 894-06-01 / Maggio
York Project No.: 08100458

Notes for York Project No. 08100458

1. The MDL (Minimum Detectable Limit) reported is adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. This MDL is the REPORTING LIMIT and is based upon the lowest standard utilized for calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation.
6. All analyses conducted met method or Laboratory SOP requirements.
7. It is noted that no analyses reported herein were subcontracted to another laboratory.

Approved By: _____


Robert Q. Bradley
Managing Director

Date: 10/21/2008

YORK

YORK

Analytical Laboratories, Inc.

QA/QC Summary Report

Associated Samples: AD95168

21-Oct-08

Client: FPM Group

Analysis Name: **VOA QC WATERS**
Unit of Measure: ug/L

Batch Name: \$VOAW-30510

QA Sample #: AD95168
York's Sample ID: 08100458-01

| Parameter | LCS(%) | Unspiked Result | Blank | Amount | Matrix Spike | | Spike Duplicate | | |
|----------------------|--------|--------------------|--------------|--------|--------------|-------------|-----------------|------------|----------------|
| | | | | | Result | Recovery, % | Duplicate | Recovery,% | Precision, RPD |
| Trichloroethylene | 104 | Not detected | Not detected | 50 | 52 | 104.0 | 54 | 108.0 | 3.8 |
| Toluene | 102 | Not detected | Not detected | 50 | 51 | 102.0 | 53 | 106.0 | 3.8 |
| Chlorobenzene | 110 | Not detected | Not detected | 50 | 53 | 106.0 | 55 | 110.0 | 3.7 |
| Benzene | 94 | Not detected | Not detected | 50 | 49 | 98.0 | 47 | 94.0 | 4.2 |
| 1,1-Dichloroethylene | 100 | Not detected | Not detected | 50 | 50 | 100.0 | 48 | 96.0 | 4.1 |

YORK

YORK

ANALYTICAL LABORATORIES, INC.

Field Chain-of-Custody Record

Page 1 of 1

120 RESEARCH DRIVE STRATFORD, CT 06615
(203) 325-1371 FAX (203) 357-0166

08100458

| | | | | |
|----------------------------|-----------------------------------|----------------------------|--|---|
| <u>Company Name</u> FPM | <u>Report To:</u> John Bukoski | <u>Invoice To:</u> Same | <u>Project ID/No.</u> Maggio 894-06-01 | <u>Samples Collected By (Signature)</u> <i>John S. Bukoski</i> |
| | | | | <u>Name (Printed)</u> John S. Bukoski |

| Sample No. | Location/ID | Date Sampled | Sample Matrix | | | | ANALYSES REQUESTED | Container Description(s) |
|------------|-------------|--------------|---------------|------|-----|-------|-------------------------|--------------------------|
| | | | Water | Soil | Air | OTHER | | |
| 1 | MW-1 | 10/8/08 | X | | | | Suffolk County DHS VOCs | (2) 40 ml HCl |
| | | | | | | | | |
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|--|-----------------|-------------------------------------|-----------------|--|------------------------|
| Chain-of-Custody Record | | <i>John S. Bukoski</i> 10/9/08 1630 | | Sample Received by _____ Date/Time _____ | |
| Bottles Relinquished from Lab by _____ | Date/Time _____ | Sample Relinquished by _____ | Date/Time _____ | Sample Received in LAB by <i>Ja</i> | Date/Time 10/10/08 10- |
| Bottles Received in Field by _____ | Date/Time _____ | Sample Relinquished by _____ | Date/Time _____ | Sample Received in LAB by _____ | Date/Time _____ |

Comments/Special Instructions

u.o.c. Turn-Around Time _____
 Standard RUSH(define) _____