



## HAZARDOUS MATERIAL SPILLS INFORMATION REQUEST

**MOBIL S/S NO. 17-G2J**  
59-12 FRESH POND ROAD

MASPETH, NY NO ZIP PROVIDED

**Spill Number: 0912670**

**Close Date:**

ADDRESS CHANGE INFORMATION  
Revised street: 5912 FRESH POND ROAD  
Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY  
Notifier Type: Other  
Caller Name:  
DEC Investigator: DKHARRIN

Spiller: MOBIL STATION NO. 11198  
Notifier Name:  
Caller Agency:  
Contact for more spill info: GRETCHEN THACH

Spiller Phone:  
Notifier Phone:  
Caller Phone:  
Contact Person Phone: (508) 579-7522

Category: Known petroleum or hazardous material release with minimal potential for fire/explosion (indoors or outdoors), drinking water contamination, or releases to surface waters.  
Class: Willing RP – No DEC Field Response – Corrective Action Initiated or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
03/05/2010		EQUIPMENT FAILURE	NO		NO	
Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0.00	GALLONS	0.00	GALLONS	SOIL, GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0.00	UNKNOWN	0.00	UNKNOWN	
BTEX	OXYGENATES	0.00	UNKNOWN	0.00	UNKNOWN	

Caller Remarks:

elevated readings – ground well has concentration – cleanup is pending

DEC Investigator Remarks:

For additional information, see spill no. 06-01755 (soil contamination found) during tank-top upgrade conducted in 2006 – closed April 12, 2007).

07/07/2010: Phase II report reviewed by intern Ryan Farrell. SAR prepared by (Environmental Resolutions, Inc.–Gretchen Thatch/Keith Gilbert–(949)–457–8950) March 11, 2010 for ExxonMobil Environmental Services Company, Fairfax, VA.

ERI (listed above) evaluated recognized environmental conditions (REC) conducted in 12/08 by Kleinfelder East, Inc. Retail petroleum station with an auto service station. Residential properties (north), Fresh Pond Road & further residential properties & Reiff Playground (east), 61st Ave & further residential properties (west), & 59th Road with the intersection of 61st Ave &

Fresh Pond Road beyond (south). Located in the LI Coastal Lowlands, on top of Raritan Formation rock. Ground surface elevation is about 89' above sea level, groundwater found at depths of 54–55' bgs, no flow direction determined, initially anticipated west–northwest. Four (4) tank field observation wells are monitoring points, located at the corners of the tank field. KEI (above) reported no public water–supply wells within 1 mile of the property. REC's include (5) current 4,000 gal USTs with piping and dispensing units, (1) current 1,000 gal fuel oil UST, (1) current 250 gal used–oil AST, & (2) in–ground hydraulic lifts. Historic use as a retail gasoline and service station since 1936. Eight (8) 550 gal gasoline USTs closed in 1991, & (1) 550 gal fuel oil UST removed in 1989. Groundwater at the service station was said to have the potential to be impacted by LUST, SPILLS, & RCRA identified properties in the nearby vicinity. One (1) previous spill case: NYSDEC #06–01755 (hydrocarbon contaminated soil) ~ opened 5/17/06 ~ closed 11/06.

ERI began Phase II ESA on 10/10/09 with site–wide GPR survey. Five (5) soil borings were advanced, and (2) monitoring wells were installed. Groundwater flow direction was not determined due to a limited number of data points. Results of soil sample analysis included: (see map as well)

VOCs were detected at high concentrations only at MW8. Xylenes were present at 26500ppb, & both 1,2,4 TMB & 1,3,5 TMB at respective amounts of 39600ppb & 9970ppb as well. One SVOC, Benzo(k)fluoranthene was detected at 262ppb in B3. The heavy metal chromium was detected in each and every sample.

On 2/5/2010 groundwater samples were collected and analyzed. The (4) tank field observation wells (TF1–TF4) were gauged on 2/1/2010. They were all dry with no presence of LPH. Results of groundwater sample analysis included:(see map as well)

A small amount (15.4ppb) of MTBE was detected in MW5, but the largest amount of VOCs and the SVOC naphthalene were found at MW8. BTEX was present at 2500ppb, 15200ppb, 3550ppb, & 20200ppb respectively, MTBE at 154 ppb, naphthalene at 1170ppb, & additional VOCs ranging from 25ppb of sec–BB to 4340ppb of 1,2,4 TMB.

NYSDEC Requires: Actual groundwater flow direction determination, possible offsite migration determination.

10/26/2010: Site transferred from Region 2 to Central Office (Remedial Bureau B, Section C) for management. File currently under review. (Harrington)

10/28/2010: Site visit conducted by PM. Met with Kleinfelder personnel on–site. The proposed work plan was discussed and modified. PM will send e–mail approving the work plan shortly, along with DOT letter. (Harrington)

11/12/2010: Sent e–mail to ExxonMobil and Kleinfelder approving the SI workplan. Approval was granted pending the inclusion of an additional monitoring well to be located in the sidewalk immediately adjacent to the eastern dispenser island. The NYCDOT permit letter was included with this e–mail. (Harrington)

11/23/2010: PM received letter from East River Petroleum Realty, LLC indicating that this property had been transferred to them by ExxonMobil, and that they had assumed all remedial obligations associated with this spill. (Harrington)

12/13/2010: PM spoke to ARCADIS (Denise Dixon – PM), who will be handling consulting services for the new property owner. Based on their November 29, 2010 letter, and my conversations with their PM, I sent them copies of my November 12th e–mail approving the SI workplan, my November 12th NYCDOT permit letter, the quarterly report for April – June 2010, and the Phase 2 ESA report prepared in March 2010. ARCADIS to contact me regarding work plan implementation once this information is reviewed, and the other electronic files for the project are received from ExxonMobil and Kleinfelder. (Harrington)

1/11/2011: PM spoke to the new ARCADIS PM (Craig Massaro – NYC office; 212.682.9271. ext 41). We committed to a kick–off meeting/site visit in early February to go over the previously–approved work plan. (Harrington)

3/15/2011: PM visited the site with ARCADIS personnel (Craig Massaro – NYC office). We went over the approved work plan, and modified some well locations based on obstructions noted in the field. Field work should be initiated within 60–90 days. (Harrington)

3/31/2011: Sent e–mail to ARCADIS approving the SI workplan. The NYCDOT permit letter was included with this e–mail. (Harrington)

6/21/2011: January – March 2011 Site Status Update Report was reviewed. Report indicated that the SI work plan approved in November 2010 was implemented in May. SI report is expected by late Summer. (Harrington)

1/18/2012: PM conducted a site visit to inspect recent field work. All new monitoring wells were installed as per the approved SI work plan. (Harrington)

2/21/2012: PM sent an e–mail to ARCADIS requiring additional investigatory work to be completed at the property based on a review of the recent SI report and the last 3 rounds of quarterly groundwater sampling. Of particular interest would be the area around boring B4/proposed well location MW–4, the area immediately east of boring B3/proposed well location MW–3, and the area immediately east of the location midway between borings B1 and B2/proposed well locations MW–1 and MW–2. (These locations can be found in Environmental Resolution’s March 10, 2010 Phase 2 Environmental Site Assessment Report on Figure 2.) (Harrington)

5/18/2012: PM sent ARCADIS an e–mail approving the SI Work Plan. New work includes additional monitoring well installation in the areas requested by the Department in our 2/21 e–mail to ARCADIS PM. (Harrington)

9/11/2012: PM conducted a site visit. Fieldwork to implement the approved SI workplan (4 new monitoring wells and 4 new soil borings) is underway. (Harrington)

2/4/2013: PM sent e–mail to ARCADIS requiring additional investigative work in the vicinity of MW–12 (due to soil contamination at depth) and across 61st Street (due to contaminated groundwater flowing towards residential area). Submission of RAP to be delayed pending these results. (Harrington)

3/21/2013: Provided ARCADIS with copy of Station Upgrade Activity Report prepared by Kleinfelder dated September 2006. This report was for work completed under another spill number (06–01755) for this site. Apparently, it was not provided to the new owners by ExxonMobil. (Harrington)

4/25/2013: PM sent an e–mail to ARCADIS approving the supplemental SI work plan with modifications. Two (2) monitoring wells will be installed across 61st Street adjacent to several residences, and four (4) soil delineation borings will be installed around MW–12. (Harrington)

6/5/2013: PM conducted a site visit. Fieldwork for the recently–approved supplemental SI work plan (downgradient monitoring wells, and soil delineation borings along western side of site) has not yet been implemented by ARCADIS. (Harrington)

7/24/2013: PM conducted a site visit. EnviroTrac personnel were completing pre–clearance activities for locations to be drilled next month. PM approved the request to omit boring location SB–07 (west side of the site along 61st Street), as it was located under some overhead wires that were in poor condition. (Harrington)

8/7/2013: PM visited the site during field work for the supplemental SI. Drilling was ongoing along the western sidewalk on

61st Street (west of the site). ARCADIS, EnviroTrac, and Glacier Drilling were working with residents to provide safe access to their property during work. (Harrington)

9/10/2013: PM sent an e-mail to ARCADIS indicating that on-site soil contamination has been fully delineated. RAP to be submitted 60 days after date of next SSUR. CAP will be required once the next SSUR is received. (Harrington)

11/29/2013: PM sent an e-mail to ARCADIS requesting a CAP for the site within 30 days. The latest information submitted (September 2013 SSUR) indicates that the nature and extent of groundwater contamination has now been fully delineated. (Harrington)

12/27/2013: PM sent an e-mail to ARCADIS approving the proposed CAP. The RAP is due before the end of January 2014. A request for a consent order has been sent to the Department's Office of General Counsel and the RP's attorney. (Harrington)

2/28/2014: PM sent an e-mail to ARCADIS approving the proposed RAP. The RAP calls for the utilization of soil vapor extraction combined with air sparging to remediate site-related contamination. (Harrington)

3/7/2014: PM sent an e-mail to ARCADIS approving the October – December 2013 SSUR. Concentrations of BTEX in groundwater continue to increase at the downgradient edge adjacent to residence north of the site. (Harrington)

3/20/2014: The Order on Consent with East River Petroleum, LLC (site owner) was executed by the Department on March 19, 2014. (Harrington)

7/2/2014: PM sent an e-mail to ARCADIS approving the SSUR for January – March 2014. SVE/AS pilot testing completed. Results to be submitted in future report. Additional SVE/AS well installations and lateral trenching to be conducted in July–August. (Harrington)

8/14/2014: PM conducted a site visit. Field work for the installation of 4 air sparge and 3 soil vapor extraction wells was initiated today. Work is being conducted by Glacier Drilling using a Geoprobe 8140 LS with a Sonic head. (Harrington)

9/2/2014: PM sent an e-mail to ARCADIS approving the SSUR for April – June 2014. Pilot testing results confirm viability of SVE/AS remedy. Trenching for SVE/AS lateral piping to begin later this month. (Harrington)

11/12/2014: PM conducted a site visit. The AS/SVE lateral piping has been installed. Remedial system equipment has not yet been dropped. Equipment location will be in the north end of the property. (Harrington)

12/16/2014: PM sent an e-mail to ARCADIS approving the SSUR for July – September 2014. SVE/AS system equipment is ready to be delivered to the site and connected to the existing well network. (Harrington)

2/27/2015: PM sent an e-mail to ARCADIS approving the SSUR for October – December 2014. SVE/AS system equipment has not yet been delivered to the site. No schedule has been established with Con Ed for electrical connection. (Harrington)

6/5/2015: PM sent an e-mail to ARCADIS approving January – March 2015 SSUR. Groundwater sampling frequency reduced to semi-annually. Based on 5/27/2015 site visit by PM, SVE/AS system compound has not yet been constructed. (Harrington)

8/25/2015: PM sent an e-mail to ARCADIS approving the April – June 2015 SSUR. As of June 1, 2015, site is now owned by Alliance Energy LLC. SVE/AS system compound has been installed and connected to in-ground piping. Awaiting electrical connection by Con Ed. (Harrington)

12/10/2015: Spoke to ARCADIS (J. Oertling) on phone regarding issues delaying power-drop to SVE/AS system. 3-phase power line the system needs is located under Fresh Pond Road. ARCADIS will locate property line box, inspect and update as needed to supply power. (Harrington)

1/19/2016: PM conducted site visit. ARCADIS personnel located property line box in the NE corner of the site. Electrical work pending at this location in order to allow power drop for SVE/AS system in NW corner of site. (Harrington)

2/18/2016: PM sent an e-mail to ARCADIS regarding the July – December 2015 SSUR. LPH was encountered in a well located in the NW corner of the site, so they were instructed to call in a spill, conduct product fingerprinting, and identify the source of the spill. (Harrington)

2/19/2016: Rashad – Region 2 Duty Desk Jerome Oertling from Arcadis called to report finding .16 feet of product in monitoring well 11 during routine sampling event on 12/10/15. Jerome went back on 2/9/16 to confirm and they found .14 feet of product. Jerome called spill hotline to report finding product however the hotline referred him to Region 2 Duty desk. Jerome indicated that case manager David Harrington has been made aware of new findings.

3/8/2016: PM had portfolio meeting with ARCADIS in Albany at 625 Broadway. Discussed current site conditions. Also talked about fingerprint analysis and vacuum truck extraction of product at MW-11, and the use of mobile SVE/AS system as IRM until on-site system energized. (Harrington)

4/19/2016: PM received fingerprint analysis for the LNAPL/water mix encountered at well MW-11. It was defined by Pace Analytical as degraded gasoline with MTBE and TAME (which dates it between the early 1980s and 2004 when MTBE was banned), so not a new spill. (Harrington)

5/11/2016: PM sent e-mail to ARCADIS regarding the January – March 2016 SSUR. The information requested by the Department in its 2/18/2016 e-mail to ARCADIS regarding their proposed remedial approach to the LPH present in MW-11 was not provided. (Harrington)

5/19/2016: PM sent an e-mail to ARCADIS approving their approach to addressing LPH found in well MW-11 (installation of absorbent socks from 54–57' below grade with change-out as needed). Approach to be re-evaluated if LPH persists or thickness increases. (Harrington)

6/29/2016: PM conducted site visit. Bollards have recently been installed as a protective barrier around the SVE/AS system trailer in the NW corner of the property given the vehicular traffic in this portion of the site. Remedial system is still not energized. (Harrington)

9/1/2016: PM sent an e-mail to ARCADIS approving the April – June 2016 SSUR. LPH continues to be present in MW-11. Con Ed has now assigned case number MC-207494 to the site. Power supply upgrade is needed to energize SVE/AS system. (Harrington)

12/5/2016: PM conducted a site visit on November 30, 2016. Monitoring well locations remain secure, and no changes have been made to the remedial system and supporting structures since the last DEC site visit on July 29, 2016. (Harrington)

12/21/2016: PM sent e-mail to ARCADIS approving July – September 2016 SSUR. LPH is no longer present at MW-11, but contains high total BTEX (45,900 ppb). Con Ed personnel were on-site in November trying to determine how to bring 3-phase power to AS/SVE system (Harrington).