



HAZARDOUS MATERIAL SPILLS INFORMATION REQUEST

PORT MOBIL

4101 ARTHUR KILL ROAD

STATEN ISLAND, NY NO ZIP PROVIDED

Spill Number: 0210883

Close Date:

ADDRESS CHANGE INFORMATION

Revised street: ELLIS RD

Revised zip code: 10309

Source of Spill: MAJOR OIL FACILITY (>400,000 GAL)

Notifier Type: Responsible Party

Caller Name: STEVE TRIFILETTI

DEC Investigator: adzhitom

Spiller: STEVE TRIFILETTI – EXXONMOBIL

Notifier Name:

Caller Agency: EXXON MOBIL

Contact for more spill info: STEVE TRIFILETTI

Spiller Phone: (516) 239-5232

Notifier Phone:

Caller Phone: (516) 239-5232

Contact Person Phone: (516) 239-5232

Category: Known release which created a fire/explosion hazards (inside or outdoors), drinking water supply contamination, or significant releases to surface waters.

Class: Willing RP – DEC Field Response – Corrective Action Initiated, Taken Over, or Completed by RP or Other Agency

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
02/06/2001		EQUIPMENT FAILURE	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
#2 FUEL OIL	PETROLEUM	0.00	GALLONS	0.00	GALLONS	GROUNDWATER
#6 FUEL OIL	PETROLEUM	0.00	GALLONS	0.00	GALLONS	GROUNDWATER
GASOLINE	PETROLEUM	0.00	GALLONS	0.00	GALLONS	GROUNDWATER

Caller Remarks:

THIS SPILL IS A FOLLOW-UP TO SPILL 0011953 DATED 02/06/01 --
 SPILL IS LOCATED NORTHWESTERN CORNER OF FACILITY AT THE BULKHEAD
 AREA -- WELL IS BEING MONITORED – SAMPLES ARE BEING TAKEN TO
 DETERMINE THE TYPE OF PRODUCT -- SPILL WAS ALSO CALLED IN ON MON
 THRU REG.2 WHO ADVISED TO CALL US FOR ANOTHER SPILL

DEC Investigator Remarks:

10/08/12 – lz September 2102 gauging report shows free product (0.03 foot) in RFI-7.

07/22/11 – LZ The June 23, 2011, quarterly GES report (eDocs) shows free-phase product in RFI-7 (0.02 foot). Nineteen wells were gauged.

02/03/10 – LZ The January 28, 2010, GES report shows free-phase product in RFI-7 (0.01 foot). Nineteen wells were gauged. The next report due February 28, 2010.

01/08/10 – LZ The December 28, 2009, GES report shows free-phase product in RFI-7 (0.01 foot). Nineteen wells were gauged. The next report due January 31, 2010.

12/23/09 – LZ The November 24, 2009, GES report shows free-phase product in RFI-7 (0.02 foot). Nineteen wells were gauged. The next report due December 31, 2009.

11/17/09 – LZ The October 30, 2009, GES report shows free-phase product only in RFI-7 (0.01 foot). Nineteen wells were gauged. The next report due November 30, 2009.

10/13/09 – LZ The September 30, 2009, GES report shows free-phase product in RFI-7 (0.02 foot). Nineteen wells were gauged. The next report due October 30, 2009.

09/09/09 – LZ The August 28, 2009, GES report shows free-phase product only in RFI-7 (0.02 foot).

08/11/09 – LZ The July 18, 2009, GES report shows free-phase product in RFI-7 (0.01 foot).

07/13/09 – LZ The June 18, 2009, GES report shows 0.01 foot of free product in RFI-7.

05/20/09 – LZ The May 7, 2009, GES report shows 0.01 foot of free product in RFI-7. Nineteen wells were gauged.

04/22/09 – LZ The April 16, 2009, GES report shows 0.02 foot of free product in RFI-7. Nineteen wells were gauged.

03/03/09 – LZ The February 24, 2009, GES report shows no free product in any of the nineteen gauged wells.

01/29/09 – Zielinski The January 23, 2009, report prepared by GES shows no free product in any of the nineteen gauged wells.

01/27/09 – Zielinski The December 26, 2008, report prepared by GES shows no free product in any of the nineteen gauged wells.

12/19/08 – Zielinski The November 28, 2008 report prepared by GES shows free product in RFI-7 (0.01 feet). Nineteen wells were gauged.

11/12/08 – Zielinski The November 7, 2008, report prepared by Groundwater and Environmental Services, Inc., shows free product in RFI-7 (0.35 feet). Nineteen wells were gauged.

10/17/08 – LZ The September 2008 GES report shows 0.02 feet of free product in RFI-7.

09/03/08 – LZ The August 2008 GES report shows 0.06 feet of free product in RFI-7.

08/06/08 – LZ The July 2008 GES report shows 0.06 feet of free product in RFI-7.

07/29/08 – LZ The monthly report, dated July 11, 2008, prepared by Groundwater and Environmental Services, Inc., shows free product in RFI-7 (0.11 feet). Nineteen wells were gauged.

06/20/08 – LZ The monthly report, dated June 6, 2008, prepared by Groundwater and Environmental Services, Inc., shows free product in RFI-7 (0.02 feet).

05-13-08 – LZ The monthly report, dated April 30, 2008, prepared by Groundwater and Environmental Services, Inc., shows free product in RFI-7 (0.02 feet).

04-11-08 – LZ The April 3 monthly report by Groundwater and Environmental Services, Inc., indicates free product in RFI-7 (0.03 feet).

03/25/08 – LZ The monthly report, dated February 21, 2008, prepared by Groundwater and Environmental Services, Inc., shows free product present in RFI-7 (0.02 feet).

02/27/08 – LZ The February 7, 2008, monthly report by Groundwater and Environmental Services, Inc., shows free product present in RFI-7 (0.04 feet).

01/08/08 – LZ The December monthly status report for Kinder Morgan Terminal, prepared by Groundwater and Environmental Services, Inc., shows that free product was present in RFI-7 (0.02 feet).

12/06/7 – Zielinski A monthly status report for Kinder Morgan Terminal indicates the presence of free product in RFI-7 (0.02 feet), next to Tanks 10 and 60.

08/01/07 – Zielinski As requested, Kinder Morgan faxed a report prepared by Woodard & Curran (W&C) on March 11, 2003, concerning this spill. The spill was reported to the department since during semi-annual sampling, W&C noticed the presence of LNAPL in Well ICM-1. W&C believes that LNAPL was a result of underground siphon line leakage. The siphon line was excavated in 2001 and contaminated soil removed. The final pit excavation confirmatory samples for VOCs and SVOCs(end-point samplings?) revealed results below cleanup objectives. W&C believes that the presence of LNAPL in ICM-1 is the result of petroleum from the siphon line reaching groundwater. The thickness of free product was within the range from 0.06 to 0.45 feet. There is no evidence that NAPL reached the Arthur Kill. W&C in its report asserts that further investigation and perhaps remediation are warranted. No other reports, however, are in the department's files. Below is e-mail from Wilfredo Palomino of EPA who provides information on a forthcoming order concerning remediation at Kinder Morgan, including the vicinity of Well ICM-1.

greater than greater than greater than 7/27/2007 3:15 PM greater than greater than greater than Mr. Zielinski, EPA has prepared a 3008(h) Order to be issued jointly to both ExxonMobil and Kinder Morgan. The purpose of the Order is to ensure and enhance remediation at the site. It will take few months before this Order is negotiated and enforced. In my opinion, until the federal order is in effect Kinder Morgan (operation of the Terminal and clean up of recent spills) is regulated by the NYSDEC Spill Program. Please issue the proposed letter requesting a full report on the clean up activities on recent spills (with a schedule of compliance) and request a copy be sent to EPA. I wasn't aware that Well MH-1 contains free product, but wells ICM-1 and RFI-7 (MOSF well) still have free product. Currently, ExxonMobil is only responsible for past contamination at the site.

Prior to Sept, 2004 data translation this spill Lead_DEC Field was ZHAO This spill site groundwater remediation project has been consolidated under Spill No. 0210883.

4/22/2004 – Spill case is reassigned to Zhao from Sigona.

10/18/12 – Iz As Randy Austin directed, this spill case is being transferred to Section B. Free-phase product, about 0.01– 0,03 foot, is detected monthly in one, sometimes two wells, out of 19 monitored wells.

10/23/2012 Spill was reassigned to Alex Zhitomirsky as per V. Brevdo. Left a message for David Hoosack of Environmental Services, Inc. (800) 220–3068, extension 4101, email: dhoosack@gesonline.com. AZ

11–29–2012 The following e–mail was received from Matt Ferrari:

Mr. Zhitomirsky:

On behalf of Kinder Morgan Liquids Terminals, LLC, Groundwater & Environmental Services, Inc. (GES) is pleased to present to you the attached Major On–Shore Storage Facility (MOSF) Report for the Kinder Morgan Liquids Terminal located at 4101 Arthur Kill Road, Staten Island, NY for November 2012. One hard copy and one PDF of the report on compact disk has also been forwarded to you via standard mail.

Feel free to contact John Brennan at (800) 220–3068, ext. 4120 with any questions or concerns. You may also contact me directly at extension 4149.

Regards,

Matt Ferrari

Matthew Ferrari

Project Hydrogeologist

Groundwater & Environmental Services, Inc.

1340 Campus Parkway, Suite B4

Neptune, NJ 07753

Phone: (800) 220–3068 x4149

Fax: (732) 919–0916

mferrari@gesonline.com

11–28–2012 Monthly status report stated that well RFI–7 and LC–1 haVE 0.01' of free product each. The report was placed in edocs. AZ

1–24–2013 Monthly status report dated January 14–2013 was received. I contacted David Hoosack 800–220–3068 ext.4101 and asked him to include spill number in all submittals. No LNAPL were detected. I informed David Hoosack that quarterly monitoring should be performed and dissolved VOCs and SVOCs should be sampled. Prevailing gw flow should be determined and reported. AZ

3-13-2013 I left a message for John Brennan:(800) 220-3068, ext. 4120, (732) 337-1417 – cellular. Called J. Brennan again. We discussed the site. The cause of the spill is not clear. Mr. Brennan does not know if the historical soil data exists. He will confirm it. The following changes will be made in the report: total SVOC/VOC numbers will be included, gw plume maps will be included. AZ

8-2-2013 Reviewed a summary report dated May 29, 2013. One of the 19 monitoring wells (REF-7) was reported as containing LNAPL during this monitoring period. LNAPL ranged from 0.01' to 0.35'. Monitoring wells I-5 and N-40 recorded significant dissolved contamination. There is no graph for N-40 concentrations. Well-46 concentration graph apparently is incorrect. A well with the free product plume should be shown on the groundwater concentration map. Data for total VOCs and SVOCs should be shown on the groundwater concentration map. No soil data is included. No remediation plan was proposed. Called Mr. Brennan and left a message. AZ

8-27-2013 Contacted John Brennan and conveyed my comments. They will go back, address DEC comments and re-issue the report. AZ

10-11-2013 Quarterly gauging report October 2, 2013, was submitted. During the 3rd Quarter of 2013, Light Non-Aqueous Phase Liquid (LNAPL) was only detected in Monitoring Well RFI-7, with a thickness of 0.02 feet. AZ

2-20-2014 Spoke with John Brennan 800-220-3068#4120. They will re-send a hard copy of the summary report. There is free phase product in RFI-7 about a foot. GES will speak to Kinder Morgan regarding product removal. AZ

3-24-2014 E-mail from John Brennan:

Mr. Zhitomirsky:

I wanted to follow up on our recent conversation regarding the Kinder Morgan Staten Island Terminal and GES' submittal of the revised Terminal Summary Report (dated September 7, 2013).

During our recent conversation, we discussed the contents of the revised Terminal Summary Report and the presence of LNAPL in several on-site monitoring wells, specifically RFI-7. Monitoring well RFI-7 is gauged by GES on a monthly basis as a requirement of Kinder Morgan's On-Shore Major Oil Storage Facility (MOSF) License with the New York State Department of Conservation (NYSDEC). The data is reported to you on a quarterly basis and to the NYSDEC MOSF Case Manager (Leszek Zielinski) on a monthly basis. The purpose of the gauging is to monitor for the discharge of petroleum products from on-site storage vessels and piping.

A few of the monitoring wells that are gauged monthly have been reported to contain LNAPL on occasion. However, the presence of LNAPL in these monitoring wells is attributed to historic releases that occurred at the Staten Island Terminal prior to Kinder Morgan's purchase of the Terminal in 2005.

Although Kinder Morgan owns and operates the Terminal, the previous owner (ExxonMobil) still conducts gauging/sampling/LNAPL removal, etc., to address historic releases at the Terminal. Monitoring Well RFI-7 is located at one of these historic areas in a portion of the Terminal referred to as the "North Beach Area". LNAPL was first discovered in RFI-7 in March 2001. Since that time, ExxonMobil has continued to monitor and remove LNAPL from RFI-7 and other wells in the area. According to ExxonMobil, over 2,300 gallons of LNAPL have been removed from that area to date via a combination of manual bailing, automated bailing, vacuum extraction events and sorbent socks. ExxonMobil continues to address this area on a monthly basis under the supervision of the United States Environmental Protection Agency (USEPA) and an Administrative Order on Consent between the EPA, ExxonMobil and Kinder Morgan. Selection and implementation of a final corrective measure for this and other areas of concern (AOCs) at the Terminal is pending.

Kinder Morgan and ExxonMobil share information with regard to on-going gauging and sampling activities at the Terminal. When

elevated LNAPL levels were discovered at RFI-7 in December 2013 and January 2014, Kinder Morgan alerted ExxonMobil, who subsequently ensured that the LNAPL was removed from the monitoring well. In addition, to ensure that the LNAPL was not from a new release, GES collected a sample of the LNAPL on February 3, 2014, for Kinder Morgan and submitted the sample to a forensics laboratory for fingerprint analysis. The laboratory reported that the material was likely Diesel Fuel that was greater than 20 years old. The laboratory data matched information obtained from ExxonMobil as to the source of the LNAPL in RFI-7 from the historic release.

I hope this answers any questions you have regarding the historic and on-going remedial activities at monitoring well RFI-7. Please let me know if you have any additional questions or would like additional information.

Thank You.

John

John Brennan

Senior Project Manager

Groundwater & Environmental Services, Inc.

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Neptune, NJ 07753

(800) 220-3068, ext. 4120

(732) 337-1417 – cellular

JBrennan@gesonline.com

3-24-2015 Reviewed GES Summary Report dated September 7, 2014. Dissolved phase is up to 3,315 ppb (monitoring well N-46). Free phase product thickness in monitoring well RFI-2 is 0.01-0.03', in RFI-3 -0.03'. AZ

7-3-2015 Reviewed GES Summary Report dated June 23, 2015. Dissolved phase is up to 3,700 ppb (monitoring well N-40). Free phase product thickness in monitoring well RFI-7 is ranging from 0.01' to 0.04'. AZ

4-7-2016 Reviewed GES Summary Report dated March 28, 2016. No dissolved analyses was performed this time. No LNAPL was encountered.

9-27-2016 Reviewed GES Summary Report dated Sept. 19, 2016. No dissolved analyses was performed this time. LNAPL was encountered in well RFI-7 during all gauging events. Product thickness ranged from 0.01' to 0.03'. AZ

1-5-2017 Reviewed GES Summary Report dated Dec. 19, 2016. According to the report, during the 4th Quarter of 2016, Light Non-Aqueous s Phase Liquid (LNAPL) was detected in RFI-7 during all three gauging events. Between September 2 and December 12, 2016, Kinder Morgan removed measureable volumes of LNAPL from monitoring well RFI-7 in order to address the LNAPL detected during the gauging events conducted during the 4th Quarter. Kinder Morgan will continue these efforts in 2017 and remove measureable LNAPL when it is detected.