



HAZARDOUS MATERIAL SPILLS INFORMATION REQUEST

MOBIL STATION 17-KDV
671 BROOKS AVENUE

ROCHESTER, NY 14619

Spill Number: 0070470

Close Date:

ADDRESS CHANGE INFORMATION

Revised street: NO CHANGE
Revised zip code: NO CHANGE

Source of Spill: UNKNOWN	Spiller: RICHARD CICCOTELLI – EXXONMOBIL CORPORATION	Spiller Phone: (914) 737-1303
Notifier Type: Other	Notifier Name: RICHARD CICCOTELLI	Notifier Phone: (914) 737-1303
Caller Name: VIN MARESCO	Caller Agency: GROUNDWATER ENVIRONMENTAL	Caller Phone: (315) 452-5700
DEC Investigator: DBDAKE	Contact for more spill info: CALLER	Contact Person Phone: (315) 452-5700

Category: Known or probable release, where, without action, there is a potential for a fire/explosion hazard (indoors or outdoors), contamination of drinking water supplies, or significant release to surface waters.
Class: Unknown RP – DEC Field Response – DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
11/03/2000		OTHER	NO		NO	

Material Spilled	Material Class	Quantity Spilled	Units	Quantity Recovered	Units	Resource(s) Affected
GASOLINE	PETROLEUM	0.00	GALLONS	0.00	GALLONS	GROUNDWATER
MTBE (METHYL-TERT-BUTYL ETHER)	HAZARDOUS MATERIAL	0.00	UNKNOWN	0.00	UNKNOWN	GROUNDWATER

Caller Remarks:

INVESTIGATION PERFORMED BY GROUNDWATER ENVIRONMENTAL SERVICES (GES) FOR EXXON MOBIL, INDICATES CONTAMINATION IN BEDROCK IS FROM UPGRADIENT. HOWEVER, CONTAMINATION FOUND IN OVERBURDEN LIKELY FROM SPILL AT MOBIL STATION THAT MAY BE RELATED TO RELEASE REPORTED IN 1981 (SPILL 8101934). EXXON MOBIL TO FOLLOW UP ON INVESTIGATION AND CLEANUP ON THE OVERBURDEN ON THEIR PROPERTY. UPGRADIENT IN BEDROCK ON 17-KDV ACCORDING TO GES DATA IS RG&E WHERE THE FORMER GULF MAJOR OIL STORAGE FACILITY WAS LOCATED. THE CONTAMINATION CONTAINS SIGNIFICANT CONCENTRATIONS OF MTBE. THERE IS NO EVIDENCE THAT PRODUCT CONTAINING MTBE WAS STORED AT THE RG&E FACILITY. AS A RESULT, AN OFF-SITE INVESTIGATION IS TO BE CONDUCTED BY THE DEC TO DETERMINE IF AN OFFSITE SOURCE EXISTS THAT IS IMPACTING THESE TWO PROPERTIES. FAXED TO MCHD ON 11/10/2000 AT 1120 HRS.

DEC Investigator Remarks:

08/03/2000: REFER TO SPILL 0005282 FOR INFORMATION ON OFF SITE CONTAMINATION ALONG BROOKS AVENUE.

8/3/00 MZ TELCON WITH CASEY ACKMAN (TANKNOLOGY) WHO STATED THAT WHILE GES WAS INSTALLING A SOIL BORING AS PART OF AN INVESTIGATION REQUIRED BY THE DEPARTMENT, THEY ENCOUNTERED SUBSURFACE CONTAMINATION. ACKMAN DID NOT HAVE ANY MORE INFORMATION.

8/4/00 MZ ON SITE WITH JUSTIN DOMAGO (GES). 2 OVERBURDEN WELLS WERE DRILLED YESTERDAY AS WELL AS THE ROCK SOCKET FOR A BEDROCK WELL. THE OVERBURDEN WELL MW-2, WHICH IS JUST WEST OF THE UST FIELD HAD HEAVY CONTAMINATION STARTING AT APPROX 8 FT BGS AND TAPERING OFF TO PID READINGS 50 - 100 PPM. ANOTHER HOT ZONE WAS ENCOUNTERED AT THE GROUNDWATER INTERFACE (APPROX 22-23 FT). BEDROCK WAS ENCOUNTERED AT 35 FT. A 2-INCH WELL WAS INSTALLED.

MW-3, WHICH IS EAST OF THE BUILDING, ALSO HAD CONTAMINATION, WHICH DOMAGO STATED WAS HEAVY FROM 5 TO 12-FT AND TAPERED OFF TO A PID READING OF 50-100 PPM ALMOST DOWN TO TOP OF ROCK. THE TOP OF ROCK, WHICH WAS ENCOUNTERED AT APPROX. 40.5-FT, WAS HEAVILY CONTAMINATED. GROUNDWATER AT APPROX 21 TO 23-FT.

01/02/2008: RECEIVED FOURTH QUARTER SITE MONITORING REPORT FROM GES, FIRST REPORT SINCE TANK REMOVALS. MW-2, MW-3, MW-12, MW-13 ALL STILL SHOW SIGNIFICANT GROUNDWATER IMPAIRMENT. MW-2 HAS CONCENTRATIONS OF 27,530 PPB OF TOTAL BTEX AND IS LOCATED ON THE NORTH SIDE OF PROPERTY NEAR BROOKS AVENUE. CLOSEST OFF-SITE WELL, NYSDEC MW-1S HAS NOT SHOWN ANY SIGNIFICANT CONTAMINATION SINCE INSTALLATION SEVERAL YEARS AGO. MW-12 IS ON THE NORTHEAST CORNER OF THE PROPERTY AND HAS CONCENTRATIONS OF 23,520 PPB TOTAL BTEX. MW-3 & MW-13 ARE SOUTH OF THE PUMP ISLANDS AND HAVE .35 FEET OF SEPARATE PHASE PRODUCT AND 39,350 PPB TOTAL BTEX RESPECTIVELY.

MW-1 IS A BEDROCK WELL. ONLY THE ROCK SOCKET WAS COMPLETED AT THE TIME OF THE INSPECTION. NO SOIL CLASSIFICATION WAS DONE FOR THE OVER BURDEN ON MW-1 BECAUSE A 2 INCH OVERBURDEN WELL WILL BE INSTALLED ADJACENT TO THE ROCK WELL. WORK TO CONTINUE TODAY AND MONDAY (8/7/00).

08/14/2000: PM TELCON WITH VIN MARESCO-GES, DRILLING SCHEDULED FOR TERMINAL HAS BEEN SUSPENDED UNTIL DATA FROM 17-KDV CAN BE ANALYZED. WILL NOTIFY DEC WHEN SCHEDULED. ROCK WELL AT 17-KDV DID NOT LOSE CIRCULATION AND NO PARTICULAR ZONES OF CONTAMINATION WERE NOTED.

10/23/2000: RECEIVED PRELIMINARY REPORT FROM GES ON INVESTIGATION OF CONTAMINANTS IN THE SUBSURFACE AT 17-KDV. GROUNDWATER FLOW IN THE OVERBURDEN APPEARS TO BE TOWARDS THE SOUTH-SOUTHWEST IN THE DIRECTION OF MW3. SIGNIFICANT DISSOLVED CONTAMINATION IN GROUND WATER IN ALL OVERBURDEN WELLS (MW2, MW3, MW4). MW1 COMPLETED IN BEDROCK ALSO HAS SIGNIFICANT DISSOLVED CONCENTRATIONS THOUGH OF A LESSER MAGNITUDE THAN THE OVERBURDEN. MTBE PRESENT IN ALL THE WELLS RANGING FROM 3.1 PPM IN MW1 IN THE BEDROCK TO 56.0 PPM IN MW4 (THE OVERBURDEN WELL NEXT TO MW1). ELEVATED CONCENTRATION OF PETROLEUM CONTAMINANTS WERE ALSO FOUND IN THE SHALLOW AND DEEPER OVERBURDEN SOILS. MW2 AND MW3 WERE FOUND TO HAVE SEPARATE PHASE HYDROCARBONS. ABSORBENT SOCKS WERE PLACED IN THESE WELLS TO COLLECT THE PRODUCT AND WILL BE CHANGED BIMONTHLY. GES IS UNDERWAY INSTALLING 4 ADDITIONAL MONITORING WELLS IN THE OVERBURDEN AND A SOIL VENT WELL NECESSARY TO CONDUCT PILOT TESTING OF VAPOR EXTRACTION.

10/25/2000: SPILLS STAFF MET WITH REPRESENTATIVES OF EXXONMOBIL (RICHARD CICCOTELLI) AND THEIR CONSULTANT-GES (VIN MARESCO, DEVIN SHAY, DOUG LIDELL AND JUSTIN DOMAGO) TO DISCUSS SITE ACTIVITIES AND STATUS OF THEIR VARIOUS SPILL SITES. WELLS BEING INSTALLED AT 17-KDV THIS WEEK. PRELIMINARY INDICATIONS FROM BEDROCK WELLS INSTALLED AT STATION AT TERMINAL INDICATE GROUNDWATER FLOW IS AWAY FROM CANAL AND TOWARDS THE EAST. SOILS AT KDV APPEAR TO CONSIST OF OVER-COMPACTED TILL EXCEPT NEAR MW3.

10/25/2000: FURTHER UPDATES FOR THIS SITE WILL BE MADE UNDER THIS SPILL NUMBER AND SPILL NUMBER 9009993 WILL BE CLOSED. SEE SPILL 9009993 FOR ADDITIONAL INFORMATION.

01/10/2001: PM & MZ ATTEND MEETING AT RG&E TO DISCUSS STATUS OF INVESTIGATION AT RG&E, EXXONMOBIL TERMINAL AND 17KDV STATION.

01/18/2001: OPENED PIN TO INVESTIGATE CONTAMINATION POTENTIAL FOR THE NORTH SIDE OF BROOKS AVENUE.

01/19/2001: P. MILLER TELCON WITH RUSS SAVAGE OF NATURES WAY. DRILLING OF THE NORTH SIDE OF BROOKS AVENUE WELL TO BE ARRANGED

FOR NEXT WEEK IF POSSIBLE. PERMISSION RECEIVED FROM MAURICE STEWART, THE OWNER OF THE HOUSE AT GENESEE PARK BOULEVARD AND BROOKS AVENUE TO PLACE WELLS ON HIS PROPERTY. PERMISSION PREVIOUSLY GRANTED BY TIM HARDY, REPRESENTING SUGAR CREEK TO INSTALL WELL ON SUGAR CREEK OFFICE PROPERTY.

01/24/2001: PM ON SITE, DRILLING COMMENCING ON WELLS ON NORTH SIDE OF BROOKS AVENUE. FIRST WELL BEING INSTALLED IN LAWN OF SUGAR CREEK OFFICE BUILDING. RG&E IS ALLOWING THE CLEANING OF THE RIG AND STORAGE OF AUGER SPOIL WASTE DRUMS ON THEIR PROPERTY AS PER KAREN SAHLER.

01/25/2001: PM ON SITE, NATURE'S WAY CONTINUING WITH INSTALLATION OF WELLS ON NORTH SIDE OF BROOKS AVENUE.

01/31/2001: PM ON SITE, NATURE'S WAY SAMPLING OVERBURDEN IN LAWN OF HOUSE AT CORNER OF GENESEE PARK BOULEVARD AND BROOKS AVENUE. SAMPLED TO ABOUT 20 FEET DURING MY VISIT. ENCOUNTERED WHAT APPEARS TO BE VERY DENSE SAND AND SPLIT SPOONS ARE DRIVEN WITH MUCH DIFFICULTY. DRILLER INDICATED HE HAD EXTREME DIFFICULTY GETTING AUGERS OUT OF THE HOLE. SLIGHT MOISTURE ENCOUNTERED AT ABOUT 22 FEET. NO DISCERNIBLE ODOR, HOWEVER, SAMPLES WILL BE CHECKED WITH PID. OVERBURDEN AND BEDROCK WELL WILL BE INSTALLED AT THIS LOCATION.

3/22/2001: SPILL REPORTED IS A POSSIBLE TANK LEAK INTO A MONITORING WELL (SPILL 0013355). THE TANK IS BEING PUMPED AT THIS TIME TO DETERMINE THE EXTENT OF THE LEAK. FAXED TO MCHD ON 03/23/01 AT 0845 HRS.

3/24/2001: TANK TEST FAILURE REPORTED AT THE MOBIL STATION ON BROOKS AVENUE (SPILL 0013451). TANK TO BE DRAINED AND CALLER BELIEVES DEC IS FAMILIAR WITH THE PROBLEM. FAXED TO MCHD ON 03/29/01 AT 0845 HRS.

04/30/2002: PM & SPILL STAFF MEET WITH EXXONMOBIL (RICHARD CICCOTELLI) AND EXXONMOBIL'S CONSULTANT GES(GROUNDWATER ENVIRONMENTAL SERVICES, VIN MARESCO, DEVIN SHAY, DOUG LIDELL). GES SUPPLIED BROOKS AVENUE REGIONAL GROUNDWATER MAP CONTAINING DATA FROM EXXONMOBIL, RG&E AND AGWAY. GES PLANS TO PROPOSE A SMALLER NETWORK OF WELLS FOR GROUNDWATER SAMPLING TO BE SENT TO DEC FOR APPROVAL.

06/24/2002: 2ND QUARTER GROUNDWATER MONITORING REPORT RECEIVED FROM EXXONMOBIL. SLIGHT AMOUNT OF FREE PRODUCT DETECTED IN MW-15 (0.06 FEET). SIGNIFICANT CONCENTRATIONS OF DISSOLVED CONSTITUENTS DETECTED IN MW-9 AND MW-13.

08/14/2002: PM TELCON WITH VIN MARESCO OF GES. DURING ROUTINE MONITORING OF SITE IT WAS DISCOVERED THAT PRODUCT THICKNESS LEVELS HAD CHANGED SIGNIFICANTLY IN MW-2 AND INCREASED TO A THICKNESS OF ABOUT 5.5 FEET. MW-15, MW-6 AND MW-11 ALSO HAD FREE PRODUCT AT LEVELS OF 1.8 FEET, .08 FEET AND .01 FEET RESPECTIVELY. THIS IS A SIGNIFICANT CHANGE FROM MAY 2002 WHEN ONLY MW-2 HAD DETECTABLE LEVELS OF PRODUCT AT .06 FEET HOWEVER, DOWNGRADIENT WELLS MW-14 AND MW-9 WERE CLEAR OF PRODUCT. TWO OTHER MONITORING WELLS MW-12 AND MW-15 WERE ALSO CLEAR. GES PLANS TO COMMENCE WITH VACUUMING MW-2 ON AUGUST 15, 2002 TO TRY AND REMOVE AS MUCH FREE PRODUCT AS POSSIBLE.

05/06/2003: SPILLS STAFF MET WITH EXXONMOBIL (CICCOTELLI) TO DISCUSS OPEN SITES. DESIGN WORK FOR EXTRACTION SYSTEM COMPLETED. INSTALLATION.

07/21/2004: MET WITH GES AND EXXONMOBIL TO GO OVER STATUS OF REMEDIATION SITES. REMEDIATION SYSTEM OPERATIONAL. DEEP ZONE CURRENTLY OPERATING. O&M VISITS AND QUARTERLY MONITORING VISITS WILL CONTINUE THROUGHOUT THE YEAR.

11/09/2004: RECEIVED ANALYTICAL FROM LAB ON SELECT WELLS. MW-4(O) AND MW-5(O) OVERBURDEN HAVE LOW LEVEL DISSOLVED WITH 86 AND 96 PPB MTBE RESPECTIVELY. NATURE'S WAY REPORTS MEASURABLE LEVELS OF FREE PHASE NAPL IN MW-5(SB) SHALLOW BEDROCK WELL.

10/26/2005: RECEIVED FROM GES NOTES OF LAST PROJECT REVIEW MEETING WHEN EXXONMOBIL AND GES PRESENTED SITE STATUS.

08/08/05 RECEIVED SECOND QUARTER 2005 GROUNDWATER MONITORING REPORT PREPARED BY GES.

11/04/05 RECEIVED THIRD QUARTER 2005 GROUNDWATER MONITORING REPORT PREPARED BY GES.

01/18/2006: RECEIVED DIVESTMENT PHASE II REPORT FROM GES ON BEHALF OF EXXONMOBIL FOR SITE. WORK TOOK PLACE DURING AUGUST 2005 AND IDENTIFIED SEVERAL AREAS WHERE CONTAMINATION REMAINS IN SOILS AND GROUNDWATER. SOIL BORING ON NORTH SIDE OF PROPERTY PSB3 REVEALED SOIL CONCENTRATIONS ABOVE TAGM 4046 LEVELS. THREE OTHER BORINGS ON PROPERTY REVEALED SOIL CONTAMINATION THOUGH AT LEVELS BELOW TAGM 4046. GROUNDWATER SAMPLING OF FIVE EXISTING SITE WELLS INDICATED ELEVATED VOLATILE CONTAMINATION AND 1.02 FEET OF SEPARATE PHASE PRODUCT IN MW-2 ON THE NORTH SIDE OF THE PROPERTY.

02/28/2006: PM AND STAFF MET WITH GES TO DISCUSS STATUS OF SITE AND PROGRESS OF SITE DIVESTMENT. TANK/SYSTEM REMOVAL/REPLACEMENT SCHEDULED FOR 08/21/2006. REMAINING REMEDIATION TO CONTINUE AS CURRENTLY DESIGNED UNLESS SHALLOW CONTAMINATION ENCOUNTERED DURING REMOVALS THAT CAN BE REMOVED EASILY.

09/28/2006: PM AND SPILLS STAFF MET WITH RICHARD CICCOTELLI – EXXONMOBIL, VIN MARESCO, DEVIN SHAY & TRISK KOWALSKI OF GES TO DISCUSS STATUS OF OPEN SPILLS. CONTINUED REMEDIAL SYSTEM OPERATION AND QUARTERLY GROUNDWATER MONITORING. TANK REMOVAL POSTPONED UNTIL 2007.

03/22/2007: RECEIVED FROM GES MONITORING REPORT, SEPARATE PHASE HYDROCARBONS IN MW-3, 17,109 POUNDS OF HYDROCARBON REMOVED VIA VAPOR PHASE SINCE START OF REMEDIATION.

04/26/2007: SPILLS STAFF MET WITH RICHARD CICCOTELLI/EXXONMOBIL AND DEVIN SHAY/GES. TWO WELLS (MW-2 AND MW-3) WERE REDRILLED AS 4-INCH DIA. EXTRACTION WELLS AND WILL BE CONNECTED TO REMEDIAL SYSTEM IN FALL. UST REMOVAL WORK SCHEDULED FOR SEPTEMBER 2007.

09/13/2007: PM ON SITE, ROB SICKLER – GES OVERSEEING TANK AND CONTAMINATED SOIL REMOVAL FOR EXXONMOBIL. GIL TEGG – OWNER OF THE SITE WILL BE INSTALLING NEW TANKS AND DISPENSERS AND TAKING OVER SOLE OPERATION OF THE SITE. EXXONMOBIL WILL RETAIN EXISTING TREATMENT SYSTEM TO TREAT CONTAMINATED SOIL AND GROUNDWATER REMAINING ON THE SITE. ABOUT 1,000 TONS OF SOIL IS EXPECTED TO BE REMOVED FROM THE SITE (NORTHEAST CORNER) AND TRUCKED TO HIGH ACRES LANDFILL BY SILVAROLE TRUCKING. SICKLER EXPECTS THEY WILL COMPLETE THE SOIL REMOVAL ON 9/14/2007.

09/14/07 THIRD QUARTER 07 SITE MONITORING REPORT RECEIVED FROM GES.

12/19/07 TANK AND REMEDIAL EXCAVATION ASSESSMENT REPORT RECEIVED FROM GES.

12/20/07 FOURTH QUARTER 07 SITE MONITORING REPORT RECEIVED FROM GES.

03/25/08 FIRST QUARTER 08 SITE MONITORING REPORT RECEIVED FROM GES.

06/23/08 SECOND QUARTER 08 SITE MONITORING REPORT RECEIVED FROM GES.

10/06/08 THIRD QUARTER 08 SITE MONITORING REPORT RECEIVED FROM GES.

12/02/08 FOURTH QUARTER 08 SITE MONITORING REPORT RECEIVED FROM GES.

02/06/09 FIRST QUARTER 09 SITE MONITORING REPORT RECEIVED FROM GES.

08/26/09 SECOND QUARTER 09 SITE MONITORING REPORT RECEIVED FROM GES.

10/22/09: SPILL TRANSFERRED FROM PM TO DD FOR FOLLOW-UP

12/07/09 SITE MONITORING REPORT RECEIVED FROM GES.

05/03/10 SITE MONITORING REPORT RECEIVED FROM GES.

10/14/10 SITE MONITORING REPORT RECEIVED FROM GES. BTEX CONCENTRATIONS RANGE FROM ND TO 22,498 UG/L. SEPARATE PHASE IN MW13 OF 0.40 FEET.

10/24/2011: 3RD QUARTER MONITORING REPORT RECEIVED FROM GES. NO SEPARATE PHASE CONTAMINATION DETECTED IN ANY SITE WELLS, HOWEVER, SOME WELLS CONTAINED INSUFFICIENT VOLUME OF WATER FOR SAMPLING. TO DATE 20,602 POUNDS OF VAPOR PHASE HYDROCARBONS HAVE BEEN REMOVED BY REMEDIATION SYSTEM.

12/21/2011: RECEIVED 4TH QUARTER 2011 SITE MONITORING REPORT. MW-13 APPEARS TO BE THE MOST IMPACTED WITH DISSOLVED BTEX CONCENTRATIONS OF 18,682 UG/L.

04/04/2012: NOTIFIED BY WILL HACKETT – GES, TECHNICIAN SAMPLING THE WELLS ON APRIL 3, 2012, OBSERVED FREE PRODUCT IN 4 SITE WELLS, 2 OF WHICH HAVE NOT HAD PRODUCT IN THE PAST. ANALYZING PRODUCT FOR ETHANOL TO DETERMINE IF THEY ARE FROM A RECENT RELEASE.

02/15/2013: FREE PRODUCT NOW ONLY DETECTED IN ONE WELL (MW-13) THOUGH SEVERAL WELLS HAD INSUFFICIENT WATER FOR SAMPLING.

10/11/13: DEC LEAD REASSIGNED FROM PMILLER TO DDAKE FOR FOLLOWUP.

12/18/13: GES SUBMITS FOURTH QUARTER 2013 SITE MONITORING REPORT (SAVED TO eDOCS).

1/22/14: MEETING HELD IN DEC REGION 8 OFFICE WITH DD/PM OF DEC AND VIN MARESCO AND PATRICIA DOMAGO OF GES, FOR 'ANNUAL PROJECT REVIEW.' GES PRESENTED DISCUSSION ON 'THREE AQUIFER SYSTEM' WITH ONLY THE MIDDLE AQUIFER (ABOVE BEDROCK IN DEEPER OVERBURDEN SOILS APPROX. 20-FEET BGS) BEING IMPACTED. THE PREVIOUS SOIL EXCAVATION WORK DID NOT REACH THAT DEPTH, AND EXISTING REMEDIAL SYSTEM HAS BEEN RUNNING FOR APPROX. 10 YEARS. STILL HAVE OCCASIONAL THIN AMOUNTS OF FREE PRODUCT IN WELLS. GES PROPOSED TO HAVE REMEDIAL SYSTEM SHUT DOWN FOR NEXT TWO QUARTERS, WITH MONTHLY SITE CHECKS/WELL GAUGING AND QUARTERLY GROUNDWATER SAMPLING. FREE PRODUCT, IF PRESENT, WILL BE HAND-BAILED. DEC OK'D TEMPORARY SHUTDOWN, AS RECENT VOC RECOVERY RATES HAVE SLOWED DOWN. SUMMARY REPORTS TO FOLLOW.

2/24/14: GES SUBMITS FIRST QUARTER 2014 SITE MONITORING REPORT (SAVED TO EDOCS). REMEDIAL SYSTEM SHUT DOWN (AS APPROVED) ON

1/24/14. **FREE PRODUCT WAS MEASURED IN WELL DTPE-11 (0.78-FEET) ON 1/10/14.**

2/28/14: EMAIL RECEIVED FROM WILLIAM HACKETT OF GES (SAVED TO eDOCS): The SPH was observed during the 1/10/14 GWS event while the TPE system was still operating; the system was not shutdown until 1/24/2014. Since that time we have made 3 visits and have not observed SPH. I've been keeping a tracking table and will include that in the next QMR. If we do encounter it we will bail and I'll track that as well.

4/25/14: EMAIL RECEIVED FROM WILLIAM HACKETT OF GES: As requested I just wanted to keep you in the loop. We have continued to gauge the four wells twice per month since we last spoke. DTPE-11 has contained a trace amount of SPH on two occasions and the other 3 have been free of SPH during all visits. We are continuing the regular gauging and if the amount increases such that we can bail it from DTPE-11, we will.

11/13/14: GES SUBMITS FOURTH QUARTER 2014 SITE MONITORING REPORT (SAVED TO eDOCS). COVER LETTER REQUESTS GES SUBMIT A SOIL AND GROUNDWATER MANAGEMENT PLAN TO THE DEPT AND HAVE SPILL CLOSED (KEEP REMEDIAL SYSTEM OFF).

12/31/14: DDAKE/PMILLER REVIEW SITE DATA/REPORTS AND DO NOT AGREE THAT THE SPILL CAN BE CLOSED, EVEN WITH SUBMITTAL OF AN ENVIRONMENTAL MANAGEMENT PLAN. FOLLOWING EMAIL SENT TO PATRICIA DOMAGO OF GES: We have reviewed the GES Fourth Quarter 2014 SMR for open spill #0070470 (Brooks Avenue Mobil) and we unfortunately cannot close the spill out at this time. Additional/ongoing remedial measures will be needed (as opposed to submission of an environmental management plan) to reduce still-elevated levels of VOCs in groundwater at the site, primarily in the vicinity of the current dispenser islands. In particular, elevated levels of Benzene persist in five to six wells, including MW-2 (1,380 ug/l), MW-13 (4,230 ug/L), and DTPE-4 (1,450 ug/L) which are well above our exposure/closure criteria. In addition, it appears that VOC levels have increased during 2014 in a number of wells with the TPE remedial system shut down (particularly MW-3, MW-13, DTPE-4, and DTPE-6).

I understand that various remedial technologies have been used/attempted at the site, and recommend that existing options be further evaluated. FYI I'm open to a reduction in quarterly sampling at select wells and simplification of the quarterly reporting requirements as cost savings measures. PLZ contact me if you have any questions.

2/11/15: MEETING IN AVON WITH DEC (PM/DD/GY) AND GES (JUSTIN DOMAGO AND WILL HACKETT) – GES GAVE A BRIEF PRESENTATION ON THE SITE HISTORY, REMEDIAL WORK PERFORMED, GROUNDWATER AND FREE PRODUCT MONITORING ETC. IMPACTS ARE GENERALLY IN THE DEEPER OVERBURDEN AQUIFER. THEY ESTIMATE THAT THE REMEDIAL EQUIPMENT HAS RECOVERED OVER 70-% OF THE ESTIMATED GASOLINE RELEASE OF 5,000-GALLONS. HVE TECHNOLOGY IS NO LONGER COST-EFFECTIVE. SINCE THE SYSTEM WAS SHUT DOWN, MEASUREABLE FREE PRODUCT HAS NOT BEEN OBSERVED IN WELLS. GES SHOWED GRAPHS ILLUSTRATING VOC DECLINES IN GROUNDWATER ACROSS THE SITE. DD NOTED THAT VOC LEVELS HAVE DRAMATICALLY INCREASED OVER THE PAST 15 YEARS, BUT LEVELS HAVE ACTUALLY INCREASED IN A # OF WELLS SINCE THE REMEDIAL EQUIPMENT WAS SHUT OFF LAST YEAR. GES IS REQUESTING SPILL CLOSURE WITH AN ENVIRONMENTAL MANAGEMENT PLAN. DEC NOTED THAT BENZENE IS PRESENT ABOVE 1,000 UG/L IN THREE WELLS, AND HAS INCREASED OVER THE PAST FEW QUARTERLY SAMPLING EVENTS. GES HAS LOOKED AT OTHER REMEDIAL TECHNOLOGIES AND FEEL THAT 'NOTHING WILL WORK.' AFTER FURTHER DISCUSSION, GES WILL LOOK FURTHER INTO BIOAUGMENTATION. THEY MAY ALSO DO SOME SOIL SAMPLING TO EVALUATE VOC TRENDS IN SOIL OVER TIME. A LIST OF PROPOSED WELLS TO BE ABANDONED AND WELLS TO HAVE SAMPLING FREQUENCY REDUCED WILL BE SUBMITTED TO THE DEPARTMENT.

5/7/15: GES SUBMITS FIRST QUARTER 2015 SITE MONITORING REPORT (SAVED TO eDOCS). NO SEPARATE-PHASE HYDROCARBONS DETECTED IN ANY WELL IN MARCH 2015. COVER LETTER STATES A WORK PLAN WILL BE SUBMITTED FOR THE NEXT PROPOSED PHASE OF ACTIVITY AT THE SITE. REMEDIAL SYSTEM REMAINS TURNED OFF. ELEVATED LEVELS OF VOCs REPORTED IN FIVE WELLS. BENZENE REPORTED ABOVE 100 UG/L IN FIVE WELLS, WITH MAXIMUM CONCENTRATION OF 10,300 UG/L IN MW-13. ELEVATED LEVEL OF MTBE ALSO REPORTED IN THIS WELL (4,950 UG/L). TOTAL VOC LEVELS CONTINUE TO FLUCTUATE OVER TIME.

7/31/15: JUSTIN DOMAGO OF GES UPDATES DEPT ON RECENT DISCOVERY OF SIGNIFICANT AMOUNT OF FREE PRODUCT IN A # OF WELLS (NOTE LATER CORRECTED TO JUST ONE WELL): We are getting a bail/pump down test scope together and will be collecting a sample for forensics analysis. I am hoping to have that complete and approved next week and then mobilize to complete the field test by August 14th.

8/7/15: GES SUBMITS SECOND QUARTER 2015 SUMMARY REPORT (SAVED TO eDOCS). COVER LETTER STATES 22.09- FEET OF FREE PRODUCT WAS MEASURED IN (BEDROCK) WELL MW-8 ON 6/25/15. PRODUCT HAS NOT BEEN MEASURED IN THIS WELL SINCE ITS INSTALLATION IN 2001. AVERAGE SITE GW DEPTH WAS 2.3- FEET SHALLOWER IN JUNE 2015 THAN IN MARCH 2015. ELEVATED VOC LEVELS REPORTED IN SIX IN WELLS, WITH MAXIMUM TOTAL BTEX CONCENTRATION OF 21,410 UG/L IN DTPE-4. EXTRACTION SYSTEM REMAINS TURNED OFF AT REQUEST OF GES.

8/19/15:

NO UPDATE FROM GES. RETURN EMAIL RECEIVED FROM GES: We have our baildown test tentatively scheduled for next week, the 27th.

We will be collecting the product sample on that day as well. Our plan is to evaluating the one onsite well at this time, no plans for offsite.

8/27/15: DDAKE ONSITE – GES IS PERFORMING A RECHARGE TEST ON BEDROCK WELL MW-8 (22-FEET OF FREE PRODUCT MEASURED IN JUNE 2015 AND ALSO ROUGHLY SAME AMOUNT TODAY). THEY HAVE UNFORTUNATELY NOT GAUGED THE WELL SINCE THAT TIME. TODAY THEY ARE PLACING A PRESSURE TRANSDUCER DOWN THE WELL AND REMOVING A SMALL VOLUME OF PRODUCT AND MONITORING RECHARGE. A FREE PRODUCT SAMPLE WILL ALSO BE COLLECTED FOR FORENSIC ANALYSIS/EVALUATION. APPROX. 35-FEET TO TOP-OF LIQUID; WELL IS 63-FEET DEEP. PRODUCT IS DARK BROWN IN COLOR, WITH WEATHERED GASOLINE ODOR. DD EMAIL DOMAGO AT GES TO REQUEST THE WELL BE BAILED ON A WEEKLY BASIS AND PRODUCT RECHARGE EVALUATE IN THAT MANNER ALSO. GES ALSO STATES THEY DID NOT PERSONALLY REVIEW THE CURRENT GAS STATION'S INVENTORY RECORD (GIL TEGG OWNER/OPERATOR).

9/15/15: DD EMAILS DOMAGO AT GES INQUIRING ON STATUS OF REQUESTED HAND-BAILING AND SUBMITTAL OF FORENSIC ANALYSIS REPORT. WEEKLY BAILING (3 EVENTS) TO BE PERFORMED STARTING NEXT WEEK.

9/18/15: DD ONSITE IN AM – CHRISTINE VOORHEES/GES IS PERFORMING ANOTHER PRODUCT RECHARGE TEST OT BEDROCK MW-8. TODAY THEY MEASURED APPROX. 20-FEET OF PRODUCT IN THE WELL, AND HAVE PLACED A TRANSDUCER IN THE WELL AND WILL LEAVE FOR APPROX. ONE WEEK TO MONITOR PRODUCT RECHARGE. TODAY THEY ALSO USE A SMALL SUBMERSIBLE PUMP TO REMOVE APPROX. 9-GALLONS OF FREE PRODUCT, DOWN TO APPROX. 4-FEET VERTICAL THICKNESS IN WELL. PRODUCT PLACED IN ONSITE PRODUCT RECOVERY TANK FOR FUTURE DISPOSAL.

9/30/15: CHRISTINE VOORHEES OF GES REPORTS THEY MEASURED 1.35-FEET OF PRODUCT IN MW-8 ON 9/23 (BAILED OUT).

10/9/15: EMAIL FROM VOORHEES AT GES: We were at the site on Wednesday this week and the product thickness was 0.25'. This was bailed out. We just received the preliminary data back this week, it is just the data with no interpretation of what the product is. I will forward it on to you when we get the full data package.

10/23/15: GES SUBMITS THIRD QUARTER 2015 SITE MONITORING REPORT (SAVED TO eDOCS). SELECT WELLS SAMPLED FOR VOCs. REMEDIAL SYSTEM STILL OFF/NO DISCUSSION ON EVALUATION OF OTHER REMEDIAL OPTIONS, AS SUGGESTED BY DEC. COVER LETTER DESCRIBES ACTIONS ADDRESSING THE FREE PRODUCT ENCOUNTERED IN BEDROCK WELL MW-8 IN JUNE 2015 (OVER 20-FEET), INCLUDING BAIL-DOWN TESTING. A FORENSIC PRODUCT SAMPLE WAS COLLECTED, BUT RESULTS ARE NOT YET PRESENTED.

1/6/16: DD SENDS DOMAGO AT GES AN EMAIL – DEC NEVER RECEIVED THE FORENSIC ANALYSIS REPORT. DOMAGO LATER EMAILS BACK WITH COPY OF FORENSIC INTERPRETIVE REPORT (SAVED TO EDOCS). EMAIL STATES: Sorry for the delay on this, we just got the updated viscosity test results in. The result we got the first time was not helpful less than 32 and run at 100 degrees. The new results (attached) have the updated viscosity with an actual number and run at 55 degrees as we had requested. The interpretation report states that there is a diesel component to the product, which was not detected in the historical overburden product samples at the site. We are setting up to review this information in detail at this time, tentatively for next week. This will include a close look/comparison of the 2004 samples and this recent sample. We will provide an update following that review.

1/14/16: DD INQUIRES WITH GES ABOUT OTHER BEDROCK WELLS ONSITE. PER EMAIL FROM CHRISTINE VOORHEES OF GES: MW-8 is the only bedrock well we have on this site. Most recently, on Dec 16 product was measured to be 0.39'.

1/29/16: GES SUBMITS FOURTH QUARTER 2015 SITE MONITORING REPORT (SAVED TO eDOCS).

4/15/16: GES SUBMITS FIRST QUARTER 2016 SITE MONITORING REPORT (SAVED TO EDOCS). MAXIMUM BTEX LEVEL OF 19,617 UG/L REPORTED IN DTPE-4. COVER LETTER STATES SEPARATE-PHASE HYDROCARBONS WERE MEASURED IN MW-8 ON 3/3/16 AT A THICKNESS OF 0.87-FEET. GES IS PREPARING A SITE UPDATE/EVALUATION OF DATA/FREE PRODUCT.

7/12/16: DD EMAILS JUSTIN DOMAGO AT GES, INQUIRING ABOUT STATUS OF FREE PRODUCT EVALUATION/REPORT.

7/13/16: EMAIL REC'D FROM DOMAGO AT GES (SAVED TO eDOCS): You did not miss the summary. We are preparing a site update that will include the SPH summary. We plan to include the 2nd quarter 2016 GWS data in this update which is why we have held it. The update will include an up to date evaluation of the site progress and groundwater concentration trends.

8/23/16: GES SENDS EMAIL WITH SECOND QUARTER 2016 SITE MONITORING REPORT AND 'SITE UPDATE AND SPILL CLOSURE REQUEST' REPORT (SAVED TO eDOCS). NO FREE PRODUCT MEASURED IN ANY WELL DURING THE QUARTER EXCEPT BEDROCK WELL MW-8 (0.99- FEET OF FREE PRODUCT ON 7/1/16). EIGHT SELECT WELLS SAMPLED FOR VOCs ON 7/1/16 – ELEVATED LEVELS OF BENZENE REPORTED IN MW-2 (808 UG/L), MW-13 (1,880 UG/L) AND DTPE-4 (918 UG/L). TOTAL BTEX IN EXCESS OF 5,000 UG/L REPORTED IN SIX OF THE EIGHT WELLS SAMPLED. LEVELS CONTINUE TO FLUCTUATE OVER TIME. CLOSURE REQUEST REPORT REVIEWS SITE BACKGROUND AND PAST REMEDIAL INFORMATION – GES ESTIMATES THEY HAVE RECOVERED APPROX. 70% OF THE ESTIMATED 5,000-GALLONS OF GASOLINE RELEASED AROUND 1982 (LEAVING APPROX. 1500-GALLONS NOT ACCOUNTED FOR). THEY FEEL THAT THE EXISTING REMEDIAL SYSTEM HAS REMOVED A MAJORITY OF THE VOCs IT CAN EXTRACT. OTHER REMEDIAL OPTIONS HAVE BEEN RULED OUT (EXCAVATION, CHEMEX INJECTION). THEY WOULD LIKE TO DO MONITORED NATURAL ATTENUATION, BUT HAVE CONTRADICTORILY RECOMMENDED THE DEC CLOSE OUT THE SPILL WITH A SOIL AND GROUNDWATER MANAGEMENT PLAN AND ABANDON ALL WELLS. THE REPORT ALSO INCLUDES A FORENSIC REPORT FROM ZYMAX FROM OCTOBER 2015 FOR A PRODUCT SAMPLE EVALUATION FROM BEDROCK WELL MW-8. THE FORENSIX REPORT CONCLUDES: '...PRODUCT SAMPLE MW-8 CONTAINS A MIXTURE OF LEADED GASOLINE AND DIESEL OR #2 FUEL OIL. THE LEADED GASOLINE IS WEATHERED AND WAS RELEASED BETWEEN 1960 AND 1996. THE DIESEL/#2 FUEL OIL SHOWS LITTLE DEGRADATION.' THE REPORT ALSO REQUESTS THAT THE DEC OPEN UP A SEPARATE SPILL # FOR THE PRESENCE OF THE FREE PRODUCT IN MW-8.

9/13/16: DDAKE TELECON WITH PROPERTY OWNER GIL TEGG SR (230-5223) – DISCUSSING PENDING REPAVING OF THE SITE. SOME WELLS CAN BE ABANDONED AND THEN AREAS PAVED OVER, BUT DEC WILL NOT CLOSE THE SPILL AT THIS TIME AND A 3 OF WELLS NEED TO REMAIN. STILL HAVE SOME FREE PRODUCT IN BEDROCK WELL MW-8 – THE GES FORENSIC REPORT IDENTIFIED SOME DIESEL IN THE WELL.

9/16/16: DD/PMILLER OF SPILLS CONFERENCE CALL WITH JUSTIN DOMAGO AND CHRISTINE VOORHEES OF GES – DEC WILL NOT ALLOW SPILL TO BE CLOSED DUE TO LEVELS OF BENZENE AND TOTAL VOCs. QUARTERLY GW SAMPLING AT SELECT WELLS SHOULD CONTINUE (DEC OPEN TO REDUCTION IN FREQUENCY AT SOME WELLS). DEC RECOMMENDS THEY RESTART THE IDLE REMEDIAL SYSTEM FOR A MONTH OR SO TO SEE IF EFFECTIVE ADDITIONAL VOC RECOVERY CAN BE MADE. GES TO REVIEW THEIR OPTIONS, INCLUDING USING A VAC TRUCK CONNECTED TO THE MANIFOLD AT SELECT WELLS OR BRINGING OUT A DIFFERENT REMEDIAL UNIT IN A YEAR OR SO WHEN ONE BECOMES AVAILABLE. DEC OK WITH ABANDONING SELECT WELLS (WELLS NOT SAMPLED/NON-DETECT). LETTER LATER SENT BY GES TO DEC REQUESTING SIX MONITORING WELLS, 10 DTPE-WELLS, AND THREE SVE WELLS BE ABANDONED PRIOR TO UPCOMING PAVING ACTIVITIES (OK'D BY DEC). DEC TO REQUEST GIL TEGG GAUGE FREE PRODUCT AND HAND-BAIL MW-8 ON A WEEKLY BASIS FOR AWHILE.

9/19/16: DD TELECON WITH GIL TEGG SR (585-230-5907) – DISCUSSED CONFERENCE CALL END OF LAST WEEK WITH GES AND DEPT ASKING THEM TO RESTART THE REMEDIAL SYSTEM. A # OF WELLS HAVE BEEN OK'D FOR ABANDONMENT. GIL MENTIONED HE COULD PUT OFF PAVING UNTIL NEXT SPRING IF THAT HELPS THE PROJECT BUT HE WOULD LIKE TO DO THIS FALL. DISCUSSED PRESENCE OF PRODUCT IN BEDROCK WELL MW-8 AND TEGG VERBALLY AGREED TO GAUGE AND HAND-BAIL ON A WEEKLY BASIS FOR AWHILE.

11/23/16: GES SUBMITS SITE STATUS REPORT FOR QUARTER (SAVED TO EDOCS). SELECT WELLS WERE SAMPLED FOR VOCs IN OCTOBER 2016. BENZENE WAS REPORTED ABOVE 100 UG/L IN FIVE OF THE EIGHT WELLS SAMPLED, WITH A MAXIMUM CONCENTRATION OF 3,890 UG/L REPORTED IN MW-13. TOTAL BTEX LEVELS IN EXCESS OF 5,000 UG/L WERE REPORTED IN FIVE OF THE EIGHT WELLS SAMPLED (MAXIMUM BTEX LEVEL OF 21,978 UG/L IN DTPE-4). FREE PRODUCT WAS MEASURED IN BEDROCK WELL MW-8 AT A THICKNESS OF 1.7- FEET ON 10/11/16. THE REPORT'S COVER LETTER STATES THEY WOULD LIKE TO FURTHER REDUCE THE SAMPLING FREQUENCY TO SEMI-ANNUALLY.

12/5/16: DD SENDS GES AND EXXONMOBIL EMAIL REQUESTING UPDATE ON THEIR PENDING EVALUATION OF REMEDIAL OPTIONS (NO DISCUSSION INCLUDED IN THEIR RECENT QUARTERLY REPORT). SEE DATABASE NOTES FROM 9/16/16 CONFERENCE CALL.

12/22/16: GES SENDS REPLY EMAIL (SAVED TO eDOCS): We did complete an initial evaluation of the idle system equipment. A lot of the system piping and components were taken apart in order to winterize the system. We could not fully test the equipment in this state to see if the system will operate as it did before. We are looking into potentially conducting some Vapor recovery tests with a vactruck as the vacuum extraction source vs. putting the system back together. Our plan is to submit our planned next steps in the first quarter of 2017. In the meantime, we would continue to complete GWS. The frequency would be quarterly until the Department approved the semi-annual frequency that we have requested.