



## HAZARDOUS MATERIAL SPILLS INFORMATION REQUEST

**DART FARMINGDALE**  
MERRITTS & CONKLIN STREET

FARMINGDALE, NY 11735

**Spill Number: 8302032**

**Close Date:**

**ADDRESS CHANGE INFORMATION**

Revised street: NO CHANGE

Revised zip code: NO CHANGE

Source of Spill: GASOLINE STATION OR PBS FACILITY

Spiller: **EXXON**

Spiller Phone:

Notifier Type: Other

Notifier Name:

Notifier Phone:

Caller Name:

Caller Agency:

Caller Phone:

DEC Investigator: CAENGELH

Contact for more spill info:

Contact Person Phone:

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

Class: Unable or Unwilling RP – DEC Field Response – DEC Corrective Action Required

Spill Date	Date Cleanup Ceased	Cause of Spill	Meets Cleanup Standards		Penalty Recommended	
01/09/1984		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:

**FUME COMPLAINT. TANK FAILURE IN MID 1970'S.**

DEC Investigator Remarks:

Prior to Sept, 2004 data translation this spill Lead\_DEC Field was ENGELHARDT WELL 03/16/88: EXXON INSTALLING RECOVERY ON EXXON S/S. DEC INSTALLING RECOVERY ON DART S/S.

06/28/88: DEC **FLOATING PRODUCT RECOVERY SYSTEM** OPERATIONAL. 125 GALS RECOVERED TO DATE. DISSOLVED & FLOATING PRODUCT PLUMES DEFINED. EXXON REVIEWING ITS CONTRACTORS RECOVERY DESIGN PROPOSAL.

07/28/88: EXXON TO PROCEED W/PRODUCT ONLY RECOVERY ON EXXON S/S PROPERTY. WORK TO BEGIN IN APPROX. 3 WEEKS. DEC HAS RECOVERED 337 GALS AS OF 7/20/88.

07/28/88: EXXON TO PROCEED WITH PRODUCT ONLY RECOVERY ON EXXON S/S PROPERTY. WORK TO BEGIN IN APPROX. THREE WEEKS. DEC HAS RECOVERED 237 GALS AS OF 7/20/88.

08/11/88: WORK ON INSTALLATION OF EXXON'S RECOVERY TO BEGIN WITHIN NEXT TWO WEEKS. WORK TO BE DONE BY F&N FOR ERM NORTHEAST.

08/31/88: 549.50 GAL RECOVERED BY 8/17/88. EXXON RECOVERY TO BE OPERATIONAL BY 9/1/88.

09/27/88: 627 GAL RECOVERED BY 9/7/88. EXXON RECOVERY OPERATIONAL.

10/27/88: 827.5 GAL RECOVERED BY 10/6/88. DEC & EXXON SYSTEMS OPERATING SATISFACTORILY.

11/30/88: THREE ADDITIONAL DISSOLVED PRODUCT WELLS INSTALLED. RECOVERY TO BE MODIFIED TO IMPROVE PERFORMANCE. 955 GALLONS RECOVERED BY 11/11/88.

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12/29/88: AWAITING NYSDOT APPROVAL FOR DISCHARGE TO DRAINAGE, WHEN RECEIVED THREE RECOVERY WELLS WILL BE INSTALLED TO ENHANCE RECOVERY & STOP DISSOLVED PRODUCT MIGRATION. 976 GALS RECOVERED BY 12/21/88.

01/27/89: 2 OF 3 RECOVERY WELLS INSTALLED. THIRD TO BE INSTALLED 1/30/89. WORK ON EQUIPMENT INSTALLATION TO BEGIN 1/30/89. 1053 GALLONS OF PRODUCT RECOVERED AS OF 1/13/89.

02/27/89: WORK ON REVISED RECOVERY SYSTEM CONTINUES. RECOVERY SYSTEM DOWN DURING WORK. 1086 GALS OF PRODUCT RECOVERED AS OF 1/27/89.

03/29/89: START UP TESTING OF NEW SYSTEM BEGUN 3/29/89. SYSTEM TO BE FULLY OPERATIONAL BY 4/3/89.

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04/28/89: SYSTEM SHUTDOWN DUE TO INABILITY TO MEET EFFLUENT STANDARDS. 2ND AIR STRIPPER INSTALLED. SYSTEM DOWN PENDING ELECTRIC SERVICE UPGRADE TO ACCOMMODATE ADDITIONAL PUMPS & BLOWERS. 1312 GALS RECOVERED 3/24/89.

05/30/89: STILL AWAITING ELECTRIC SERVICE UPGRADE. 1479 GALLONS RECOVERED AS OF 4/21/89.

06/28/89: SYSTEM ON LINE AND MEETING EFFLUENT LIMITATIONS. SEVERAL MINOR MODIFICATIONS TO BE MADE TO FURTHER INCREASE PERFORMANCE.

07/28/89: SYSTEM OPERATING SATISFACTORILY.

08/30/89: RECEIVING ODOR COMPLAINTS. CARBON SYSTEM TO BE INSTALLED ON AIR EMISSIONS.

09/28/89: CARBON SYSTEM BEING INSTALLED. SHOULD BE ON LINE BY 10/9/89.

11/15/89: CARBON SYSTEM ON LINE. DISCHARGE LINE PARTIALLY REPLACED DUE TO DAMAGE BY LILCO.

01/03/90: TOWERS TO BE CLEANED BECAUSE TOWER #2 IS BACKING UP.

01/29/90: TOWERS CLEANED, CARBON CANNISTER TO BE CHANGED. TOWER #1 CONVERTED TO NEGATIVE PRESSURE TOWER EXPERIMENTALLY.

02/27/90: CANNISTER CHANGED 2/15/90,BUT LEAKING CARBON. REPLACEMENT CANNISTER INSTALLED 2/27/90. LEAKING CANNISTER TO MANUFACTURER FOR REPAIRS.

03/27/90: EJECTOR LINE FAILURE CAUSED PRODUCT BUILD UP IN RECOVERY WELLS. PUMP CABLE SHORT CAUSED MINOR EXPLOSION IN RW1.EJECTORS BACK ON LINE. ALL PUMP CABLES TO BE REPLACED WITH TEFLON 3/28/90.

04/27/90: SYSTEM OPERATING SATISFACTORILY.

06/01/90: FLOW METER LOCATION CHANGE TO ALLOW MORE ACCURATE MONITORING OF SYSTEM PERFORMANCE.

06/28/90: VES SYSTEM TESTED, AIR EMISSION CONTROL PROPOSALS BEING DEVELOPED.

07/30/90: SYSTEM OPERATING SATISFACTORILY.

08/27/90: TOWERS REPACKED DUE TO DECREASING OFFICENCY DUE TO HEAVY FOULING. CARBON CANNISTER CHANGED.

09/28/90: SYSTEM OPERATING SATISFACTORILY.

10/26/90: SYSTEM OPERATING SATISFACTORILY.

11/27/90: SYSTEM OPERATING SATISFACTORILY.

12/26/90: CARBON CANNISTER CHANGED 12/20/90.

01/28/91: SYSTEM OPERATING SATISFACTORILY.

02/27/91: SYSTEM OPERATING SATISFACTORILY.

04/04/91: TOWERS TO BE CLEANED 4/5/91.

04/29/91: TOWER #1 REPACKED 4/8/91, TOWER #2 REPACKED 4/25/91.

05/30/91: TANKS REMOVED AT DART, CONTAMINATION FOUND.

06/26/91: SYSTEM OPERATING SATISFACTORILY.

08/26/91: VES/THERMAL OXIDIZER ON LINE 8/26/91.

09/26/91: SYSTEMS OPERATING SATISFACTORILLY, FREE PRODUCT AGAIN PRESENT AT SITE.

10/28/91: TANK TEST FAILURE AT EXXON, LINE LEAK FOUND, ATTEMPTING TO MATCH RECOVERED PRODUCT TO EXXON DISPENSER SAMPLES.

11/26/91: PRODUCT MATCH GOOD NOT GREAT. CARBON CANNISTER CHANGED 11/25/91.

12/30/91: SYSTEM BACKED UP DUE TO TOWER FOULING. CLEANING UNSUCCESSFUL, TOWERS REPACKED.

01/29/92: SYSTEM OPERATING SATISFACTORILY NEW PRESSURE GAUGE TYPE FLOW METERS INSTALLED.

02/25/92: **PRODUCT REAPPEARING ON SITE.**

03/26/92: TWO 2-15 TOWERS REPLACED WITH ONE 3-20 NEW TOWER PROVIDED BY CONTRACTOR AT NO CHARGE IN EXCHANGE FOR SALVAGE VALVE OF OLD TOWERS.

04/28/92: SYSTEM OPERATING SATISFACTORILY.

05/28/92: EXPERIMENTAL WELL TREATMENT FOR IRON DONE 5/12-5/13. GTI INSTALLING VES AT EXXON S/S, 3 IMPROPERLY ABANDONED TANKS DISCOVERED AT EXXON S/S.

06/29/92: SYSTEM OPERATING SATISFACTORILY. GTI WAITING FOR AIR PERMIT TO OPERATE AT EXXON.

07/28/92: SYSTEM OPERATING SATISFACTORILY OVER 2100 GALLONS OF PRODUCT RECOVERED TO DATE, EXXON STILL AWAITING PERMIT.

08/27/92: PRODUCT APPEARING AT SITE IN LARGE AMOUNTS. POSSIBLE NEW LEAK AT EXXON.

09/28/92: TANKS REMOVED AT EXXON 9/21/92, CONT SOIL FOUND.

10/29/92: TOWER BADLY FOULED, TO BE CLEANED WEEK OF 11/2/92. EXXON SYSTEM STILL NOT ON LINE. CARBON CANNISTER CHANGED 10/92.

11/25/92: TOWER CLEANED. THERMAL OXIDIZER COILS FAILED AGAIN, REPAIRED. MFGR TO SUPPLY REDESIGNED COIL.

12/29/92: TOWER CLEANING UNSUCCESSFUL, TOWER REPACKED, PUMP IN RW#2 FAILED AND IS BEING REPLACED THERMAL OXIDIZER SHOULD BE BACK ON LINE BY 1/1/93.

01/27/93: THERMAL OXIDIZER BACK ON LINE, EXXON VES ON LINE.

02/25/93: NEW DISCHARGE LINE INSTALLED AS ORIGINAL FAILED DUE TO SETTLEMENT CAUSED BY S/S REBUILDING. THERMAL OXIDIZER DOWN AGAIN, MAY BE PROBLEM WITH NEW COMPUTER CHIP.

03/29/93: PUMP IN RW#3 FAILED AND WAS REPLACED. PUMPS WERE INSTALLED IN 1988. 3 MWS INSTALLED IN 1984 BY DOT BEING REDRILLED. THERMAL OXIDIZER BACK ON LINE.

06/03/93: ALL SYSTEMS OPERATING, SOME PROBLEMS REMAIN WITH THERMAL OXIDIZER DUE TO INCORRECT REPAIRS MADE TO BLOWER BY MFGR TO BE FIXED SOON. EXXON VES OFF LINE DUE TO AIR PERMIT EXPIRATION. EXXON HAS HIRED HAN.

06/28/93: RECOVERY WELLS REDEVELOPED, TOWER BEING CLEANED. WAITING FOR BLOWER REPLACEMENT ON THERMAL OXIDIZER.

07/27/93: THERMAL OXIDIZER SHOULD BE BACK ON LINE THIS WEEK. BLOWER MFG HAD PUT FAN IN BLOWER WITH WRONG ROTATION DIRECTION.

08/27/93: **PRODUCT REAPPEARING WITH WATER TABLE DROP.** THERMAL OXIDIZER STILL DOWN AS BLOWER MFG DAMAGED BLOWER MOTOR WHILE MAKING REPAIRS. WILL JURY RIG SMALLER BLOWER TO RESTART UNIT NEXT WEEK.

09/28/93: **PRODUCT CONTINUES TO APPEAR WITH WATER TABLE DROP.** THERMAL OXIDIZER BACK ON LINE. EJECTORS REINSTALLED IN 4 INCH WELLS.

10/27/93: ALL SYSTEMS OPERATING SATISFACTORILY. EXXON VES TO BE ON LINE 11/1/93?.

11/30/93: **PRODUCT STILL PRESENT**, ALL PUMPS RAISED FIVE FEET TO INCREASE INFLUENT CONCENTRATIONS. HEAVY BACTERIAL GROWTH FOUND IN RECOVERY WELLS.

12/27/93: LAST ORIGINAL 1987 RW PUMP FAILED, TO BE REPLACED.

01/27/94: SYSTEMS OPERATING SATISFACTORILY, REPLACEMENT FOR FAILED RW PUMP TO BE INSTALLED SOON, WEATHER PERMITTING.

02/24/94: TOWER TO BE CLEANED AS IT IS BACKING UP, SYSTEM EXPERIENCING VARIOUS COLD RELATED PROBLEMS, PRODUCT HAS REAPPEARED AT EXXON, POSS NEW LEAK.

03/28/94: TOWER CLEANED 3/2/94.

04/28/94: PRODUCT HAS DISAPPEARED AGAIN DUE TO WATER TABLE SHIFT.

05/27/94: SYSTEMS OPERATING SATISFACTORILY.

06/27/94: SYSTEMS OPERATING SATISFACTORILY.

07/26/94: TOWER CLEANED 7/25/94, HANDEX TRYING TO FIGURE OUT WHY TYREE INSTALLED SPARGE WELLS AT EXXON S/S DON'T WORK.

08/29/94: ONE ADDITIONAL VES WELL ADDED. PRODUCT HAS REAPPEARED DUE TO WT SHIFTS CAUSED BY HEAVY RAINS. THERMAL OXIDIZER NOW BELONGS TO DEC.

09/28/94: **PRODUCT STILL PRESENT**, ALL SYSTEMS OPERATING SATISFACTORILY.

10/28/94: SOME CLEAN MONITORING WELLS ON PERIMETER ABANDONED. SYSTEMS OPERATING SATISFACTORILY.

11/28/94: LARGER PUMP (USED) INSTALLED IN EAST RW TO ALLOW INCREASED PUMPAGE IN HIGH CONCENTRATION AREA OF PLUME. DISCHARGE LINE CLEANED. THERMAL OXIDIZER SUFFERING PROBLEMS WITH CONTROL COMPUTER.

12/28/94: SYSTEMS OPERATING SATISFACTORILY. INCREASED PUMPED IN EAST RW HAS RESULTED IN MASSIVE INCREASE IN INFLUENT CONCENTRATIONS AND INCREASES IN FLOATING PRODUCT.

02/02/95: SYSTEMS OPERATING SATISFACTORILY, **SIGNIFICANT FLOATING PRODUCT STILL PRESENT.**

02/27/95: FLOATING PRODUCT DECREASING. MINOR OPERATIONAL PROBLEMS EXPERIENCED DUE TO COLD WEATHER.

04/04/95: SYSTEMS OPERATING SATISFACTORILY.

05/30/95: F&N HAS PROPOSED ONE ADDITION UPGRADIENT RECOVERY WELL TO SPEED REMEDIATION, COPY OF PROPOSAL TO M. ROWAN FOR COMMENT.

06/27/95: ADDITIONAL RW BEING INSTALLED.

07/31/95: RW #4 ON LINE, RW #3 SHUTDOWN AS INFLUENT IS CLEAN, CARBON CHANGED 7/25/95.

10/07/95: TOWER CLEANED 9/28–29/95.

10/30/95: SYSTEMS OPERATING SATISFACTORILY.

11/28/95: THERMAL OXIDIZER FAILED DUE TO THEMOCOUPLE FAILURE, DOWN APPROX ONE WEEK WAITING FOR PARTS, NOW BACK ON LINE. EJECTOR COMPRESSOR MOTOR FAILED 11/27 TO BE REPLACED.

12/27/95: THERMAL OXIDIZER EXPERIENCING PROBLEMS PROBABLY DUE TO COLD. ALL WORK ON HOLD DUE TO F&N'S LACK OF CONTRACT

2/26/96: PUMP IN RW#2 REPLACED 1/96. PUMP IN RW#1 FAILED AS TO BE REPLACED. THERMAL OXIDIZER PNEUMATIC VALVE FAILED AND REPLACED 2/96

3/29/96: SYSTEMS OPERATING SATISFACTORILY

5/28/96: SYSTEMS OPERATING SATISFACTORILY.

06/24/96: SYSTEM OPERATING SATISFACTORILY.

07/29/96: DISSOLVED OXYGEN SAMPLING CONDUCTED. AWAITING RESULTS

08/27/96: DO SAMPLE RESULTS DO NOT REQUIRE FURTHER ACTION AT THIS TIME

09/27/96: DISCHARGE LINE BACKING UP. DISCHARGE LINE AND TOWER CLEANED 9/26–9/27

11/1/96: THERMAL OXIDIZER EXPERIENCING SAME PROBLEMS.

12/2/96: THRMAL OXIDIZER DOWN, COIL FAILED. MFGR ATTEMPTING TO DETERMINE PROPER COIL FOR UNIT

12/31/96: THERMAL OXIDIZAR PROBLEMS CONTINUE AS MGFR HAS SUPPLIED INCORRECT & OFF SPEC PARTS. F&N/MFGR ABSORBING COST OF THESE PROBLEMS. PRODUCT LINE LEAK AT SITE APPARENTLY CONTAINED BY SECONDARY CONTAINMENT

1/29/97: THERMAL OXIDIZER BACK ON LINE, NO GW CONTAMINATION FROM PRODUCT LINE LEAK FOUND

2/28/97: **GW CONTAMINATION FROM 12/96 PRODUCT LINE LEAK FOUND. EXTREMELY HIGH LEVELS OF MTBE IN WELL FN7**

8/21/00 FILE REASSIGNED

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**NYSDEC FALL 1998 MTBE SURVEY** INFORMATION FOR 8302032

Maximum MTBE concentration: 632000.0 PPB  
BTEX offsite: Yes

Current MTBE concentration: 32800.0 PPB

Source of MTBE

Number of private drinking water wells impacted: 0  
Number of public water supply wells impacted: 0  
Number of private drinking water wells impacted: 0  
Number of replacement wells drilled: 0

Steel Underground Storage Tank -  
Fiberglass Underground Tank -

Aboveground Storage Tank	-	Number of water main extensions:	0
Piping	-	Number of water main hookups:	0
Source not identified	-	Number of residences provided w/ bottled water:	0
Other source	- X	Number of people affected:	0

Indoor Air Impacts : No  
Aquifer Impacts : Yes

Ongoing remediation: Yes

Monitoring Frequency  
Monthly -                      Quarterly - X                      Semi-annual -                      Annual -                      Other -

Remedial Action used  
No Action -

Groundwater		Soil	
Pump and Treat	- X	Soil Vapor extraction	- X
Air sparging	- X	Excavation and disposal	- X
Bioreactor	-	Bioremediation	-
Natural attenuation	-	Low temp thermal desorption	-
Oxygen injection	-	Oxygen injection	-
Biosparging	-	Other	-
Dual phase extraction	-		
Other	-		

Under investigation: Yes  
Dept. of Health involvement: No

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Dept. of Health Remarks: No remarks given for this spill  
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General Remarks:                      Source other: numerous spills. Air sparging is pending.