

POLLUTION INCIDENT/U.S.T. LEAK REPORTING FORM

Department of Environment, Health, Natural Resources
 Division of Environmental Management
 GROUNDWATER SECTION

Confirm GW Contamination (Y/N)
 Major Soil Contamination (Y/N) _____
 Minor Soil Contamination (Y/N) _____

Incident # _____
 Date Incident Occurred or Leak Detected 3-15-93

INCIDENT DESCRIPTION

Incident Location/Name Elm Street Sunoco
 Address 2903 S. Elm Eugene St.
 City/Town Greensboro County Guilford Region WSRO
 Briefly Describe Incident Benzene 15 ppb in groundwater.

POTENTIAL SOURCE OWNER-OPERATOR

Potential Source Owner-Operator Mid State Oil Co. Telephone 215-499-5705
 Company c/o Sun Street Address 1835 Market St. 11PC19
 City Philadelphia County _____ State PA Zip Code 19103-2990

OWNERSHIP
 0. N/A 1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State
OPERATION TYPE
 0. N/A 1. Public Service 2. Agricultural 3. Residential 4. Educational/Relig. 5. Industrial 6. Commercial 7. Mining

POLLUTANTS INVOLVED

MATERIALS INVOLVED	AMOUNT LOST	AMOUNT RECOVERED
<u>gasoline</u>	_____	_____
_____	_____	_____
_____	_____	_____

SOURCE OF POLLUTION

PRIMARY SOURCE OF POLLUTION (Select one)	PRIMARY POLLUTANT TYPE (Select one)	LOCATION	SETTING
1. Intentional dump	1. Pesticide/herbicide	<u>Facility</u>	1. Residential
2. Pit, pond, lagoon	2. Radioactive waste	2. Railroad	2. Industrial
<u>3. Leak-underground</u>	<u>3. Gasoline/diesel</u>	3. Waterway	<u>3. Urban</u>
4. Spray irrigation	4. Heating oil	4. Pipeline	4. Rural
5. Land application	5. Other petroleum prod.	5. Dumpsite	
6. Animal feedlot	6. Sewage/septage	6. Highway	
7. Source unknown	7. Fertilizers	7. Residence	
8. Septic tank	8. Sludge	8. Other	
9. Sewer line	9. Solid waste leachate		
10. Stockpile	10. Metals		
11. Landfill	11. Other inorganics		
12. Spill-surface	12. Other organics		

Site Priority Ranking 180 E

D.E.M. Regional Contact K. Gage Signature [Signature] Date 4-1-93

IMPACT ON DRINKING WATER SUPPLIES

WELLS AFFECTED: 1 YES 2 NO

NUMBER OF WELLS AFFECTED _____

Wells Contaminated (User Name)

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

Circle Appropriate Responses

Lab Samples Taken By: 1. DEM 2. DHC 3. Responsible Party 4. Other 5. None

Samples Taken Include:

- 1. Groundwater
- 2. Soil

LOCATION OF INCIDENT

7 1/2 Min. Quad Name Greensboro

Lat : Deg : Min : Sec : 36 : 2' : 7"

5 Min. Quad Number:

Long : Deg : Min : Sec : 79 : 47' : 29"

Draw Sketch of Area or Attach Additional Maps

Incident Name: Elm Street Sunoco Region/County: WSRO / Gu
 Groundwater Incident File # _____ Ranking Performed by: K. Sage
 Date: 4.1.93

**NORTH CAROLINA
 GROUNDWATER CONTAMINATION INCIDENT MANAGEMENT
 SITE PRIORITY RANKING SYSTEM**
 (To be completed by Regional Office)

- | | <u>Points Awarded</u> |
|--|-----------------------|
| I. IMMINENT HAZARD ASSESSMENT | |
| A. Explosion - free product in confined areas or vapor phase product detected at or above 20% of the lower explosive limit or at health concern levels; award 50 points total | _____ |
| B. Fire - free product subject to ignition in exposed areas such as surface water impoundments, streams, excavations, etc.; award 50 points total | _____ |
| II. EXPOSURE ASSESSMENT | |
| A. Contaminated Drinking Water Supplies | |
| 1. Private, domestic water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 10 points per well | _____ |
| 2. Public or institutional water supply well containing substances in concentrations exceeding 15A NCAC 2L groundwater quality standards; award 20 points per well | _____ |
| 3. Exceedances of Class WS-1 surface water quality standards as a result of groundwater discharge; award 20 points per surface water body impacted | _____ |
| 4. If a water supply well identified in items II. A. 1 and II. A. 2 cannot be replaced by an existing public water supply source requiring hook-up only; award additional 10 points per irreplaceable well | _____ |
| B. Threat to Uncontaminated Drinking Water Supplies | |
| 1. Private, domestic water supply well located within 1500 feet down gradient of contaminant source; award 10 points per well | _____ |
| 2. Public or institutional water supply well located within 1500 feet downgradient of contaminant source; award 15 points per well | _____ |
| 3. Raw surface water intake for public water supply located within 1/2 mile downgradient of contaminant source; award 5 points per water supply system | _____ |
| 4. If any well identified in items II. B. 1 and II. B. 2 or an intake in item II. B. 3. are located within 250 feet of contaminant source; award additional 20 points total (not per well or intake) | _____ |
| C. Vapor Phase Exposure | |
| 1. Product vapors detected in inhabitable building(s) below 20% of the lower explosive limit or health concern levels; award 30 points total | _____ |

Points Awarded

- 2. Product vapors detected in other confined areas (uninhabitable buildings, sewer lines, utility vaults, etc.) below 20% of the lower explosive limit; award 10 points total

I. **SOURCE ASSESSMENT**

A. Uncontrolled or Unabated Primary Source (including dumpsites, stockpiles, lagoons, land applications, septic tanks, landfills, underground and above ground storage tanks, etc.)

- 1. Suspected or confirmed source remains in active use and continues to receive raw product, wastewater or solid waste; award 30 points per source
- 2. Active use of suspected or confirmed source has been discontinued or source was caused by a one-time release of product or waste, however, source continues to release product or contaminants into the environment; award 10 points per source

150

II. **ENVIRONMENTAL VULNERABILITY ASSESSMENT**

A. Vertical Contaminant Migration - Literature or well logs indicate that no confining layer is present above bedrock or within twenty feet of land surface; award 10 points total

10

B. Horizontal Contaminant Migration - Data or observations indicate that no discharge points or aquifer discontinuities exist between the source and the nearest downgradient drinking water supply; award 10 points total

C. Existing Groundwater Quality - The worst case monitor or supply well contains contaminant levels:

- 1. At less than 10 times the 2L groundwater standards; award 5 points
- 2. Between 10 and 100 times the 2L groundwater standards; award 20 points
- 3. Greater than 100 times the 2L groundwater standards; award 40 points

20

REGIONAL OFFICE RESPONSE (LETTER RANK)

Priority A - (Site meets any one of the criteria)

- 1. Water supply well(s) contaminated and no alternate water supplies available.
- 2. Vapors present in confined areas at explosive or health concern levels.
- 3. Treated surface water supply in violation of the safe drinking standards.

Priority B - (Any One)

- 1. Water supply well(s) contaminated, but alternate water supplies available.

2. Water supply well(s) within 1500 feet of site, but not contaminated and no alternate water supplies available.
3. Vapors present in confined areas but not at explosive or health concern levels.

Priority C - (Both)

1. No water supply well(s) contaminated.
2. Water supply well(s) greater than 1500 feet from site, no alternate water supply available.

Priority D - (Both)

1. No water supply well(s) contaminated.
2. Water supply well(s) within 1500 feet of site but alternate water supplies available.

Priority E - (Both)

1. No water supply well(s) contaminated or within 1500 feet of site.
2. Area served by alternate water supply.

TOTAL POINTS AWARDED

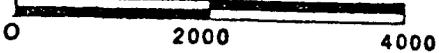
180 E
#/Letter



QUADRANGLE LOCATION



APPROXIMATE SCALE IN FEET



REFERENCE: USGS TOPOGRAPHIC MAP
 GREENSBORO QUADRANGLE
 DATED 1951, PHOTOREVISED 1968



LAW ENGINEERING
 GREENSBORO, NORTH CAROLINA

SITE LOCATION MAP
 SOUTH ELM SUNOCO
 GREENSBORO, NORTH CAROLINA

JOB NO. 259-97516-01 FIGURE 1



APPROXIMATE SCALE IN FEET



REFERENCE: GREENSBORO PLANNING DEPARTMENT
AERIAL PHOTOGRAPH, SHEET 69
DATED 1990



LAW ENGINEERING
GREENSBORO, NORTH CAROLINA

ADJACENT PROPERTIES MAP
SOUTH ELM SUNOCO
GREENSBORO, NORTH CAROLINA

JOB NO. 259-97516-01

FIGURE 2

1,000 GALLON FUEL OIL UST

OFFICE VICE BAYS

3-6,000 GALLON USTS

MW/2

MW-3

N

Grass Field

H. L. Grooms Ave. Drive-Thru

Driveway

Auto Care Center

Barbecue

Barbecue

Auto Care Center

Grass

⊕ SOIL BORING LOCATION

NOT TO SCALE

REF: SITE PLOT PLAN PROVIDED BY SUNOCO

