

39342

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION -
DIVISION OF HAZARDOUS WASTE MANAGEMENT
BUREAU OF SITE ASSESSMENT

FIELD SAMPLING EPISODE REPORT

HIGGINS DISPOSAL SERVICE INC.
121 LAUREL AVENUE
KINGSTON, SOMERSET COUNTY, NEW JERSEY
JUNE 26, 1986

Paul J. Houbart
SIGNATURE

100079



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Acting Director
401 East State St.
CN 028
Trenton, N.J. 08625
609 - 633 - 1408

M E M O R A N D U M

TO: Robert Kunze, Acting Chief
Bureau of Site Assessment

THROUGH: Al Pleva, HSMS I
Bureau of Site Assessment

FROM: Carol Graubart, HSMS IV
Bureau of Site Assessment

SUBJECT: Higgins Disposal Service, Inc.
121 Laurel Avenue
Kingston, Somerset County

Purpose of Memo:

To outline the sampling activities conducted by members of the Bureau of Site Assessment at the subject site.

NJDEP Representatives:

K. Kloo, HSMS III
C. Gaubart, HSMS IV
D. Van Eck, HSMS IV
R. Beretsky, HSMS IV
R. Gervasio, Supervisory Environmental Technician

Representing Higgins Disposal Service, Inc:

Clifford Higgins, Property Owner

Date of Sampling:

June 26, 1986

Date of Report:

July 8, 1986

100080

R

Discussion:

Several private wells along Laurel Avenue in Franklin Township, Somerset County are contaminated with volatile organic compounds. Initially discovered in August 1985, the NJDEP/DWR is conducting an investigation of the area to determine the source of contamination. Several possibilities exist.

One likely source of contamination is Higgins Disposal Service, Inc. Located on Laurel Avenue the company was previously owned by Clifford Higgins. During that time, the company operated as an unauthorized waste transfer station and landfill. Mr. Higgins is currently being investigated by the NJDEP/DHWM for illegally disposing of hazardous wastes at another location in Franklin Township.

Scheduled for sampling on June 26, 1986 were six on-site soil samples and two on-site aqueous samples. One field blank and one trip blank were provided by ETC of Edison, New Jersey, the laboratory selected for analysis. All samples were analyzed for Priority Pollutants plus Forty.

Sampling Episode:

Sunny 80°F

0915: R. Beretsky, R. Gervasio, C. Graubart and D. Van Eck arrive at site. Meet with Mr. Higgins.

Mr. Higgins turns on pump to drain the 300 gallon tank from his portable supply well. Pump drains at a rate of 7.5 gallons per minute. This will enable the sampling team to collect a water sample before the treatment system.

0930: K.Kloo arrives shuttles. R. Gervasio opens the following shuttles:

| <u>Shuttle</u> | <u>Seal</u> | <u>Reseal</u> | <u>Contents</u> |
|----------------|-------------|---------------|------------------------------|
| ETCM7180 | 0068247 | 0068248 | 1 set trip blank bottles |
| ETCM7181 | 0068245 | 0068246 | 1 set field blank bottles |
| ETCM7182 | 0068217 | 0068218 | 1 set aqueous sample bottles |
| ETCM7183 | 0068099 | 0068100 | 1 set aqueous sample bottles |

0940: R. Gervasio prepares trip blank. K. Kloo and D. Van Eck prepare field blank.

0945: R. Beretsky and C. Graubart collect Surface Water #1 from corner of the pond adjacent to Laurel Avenue.

0955: Field blank and trip blank are complete.

1000: Surface Water #1 is complete.

100081

R

1005: R. Beretsky and C. Graubart collect Ground Water #1 from Mr. Higgins underground potable supply tank.

1025: K. Kloo opens the remaining shuttle;

| <u>Shuttle</u> | <u>Seal</u> | <u>Reseal</u> | <u>Contents</u> |
|-------------------|-------------|---------------|--|
| ETCM7174- 7179 | 0068131 | 0068132 | 6 sets soil sample bottles 2 soil trip blanks |

1040: R. Gervasio and C. Graubart collect Soil #5 from the corner of the old sludge storage tank, atop the landfill. Depth of the sample is 0-6 inches. Soil is dark brown, and very dry. A white substance is present as well.

1045: R. Beretsky and K. Kloo collect Sediment #1 from the corner of the pond adjacent to Laurel Avenue. Depth of the sample is 0-8 inches. Sediment sample is observed as being a coarse gravel, very compact. A split sample is collected at this location for Mr. Higgins.

Soil #5 is complete.

1105: Sediment #1 is complete.

1140: R. Beretsky and D. Van Eck collect Soil #1 from the perimeter of the landfill at a depth of 18-20 inches. See map for approximate sample location. Soil is a brown mixture of silt and clay.

1145: R. Gervasio and K. Kloo collect Soil #2 approximately forty yards northwest of Soil #1. Depth of the sample is 24 inches. Soil is brown.

1200: Soil #2 is complete.

1205: R. Gervasio and K. Kloo collect Soil #3 forty yards east of Soil #2. Depth of the sample is 24 inches. Soil is brown.

1225: Soil #3 is complete.

1320: R. Gervasio and K. Kloo collect Soil #4 from the lowest point of the brim at the perimeter of the landfill. See map for approximate sample location. Depth of the sample is 12 inches. Soil is brown.

1500: R. Gervasio seals shuttles. Crew departs site. K. Kloo transports shuttles to ETC in Edison.

HS162:11k

Attachment: (1) map

100082

Data Summary

| Sample# | Location | Matrix | Shuttle | Seal# Open | Seal# Close | Analysis | Cost |
|---------|-----------------|--------|---------|------------|-------------|----------|---------|
| 1 | Soil #1 | Soil | M7174 | 0068131 | 0068132 | PP+40 | \$1,915 |
| 2 | Soil #2 | Soil | M7175 | 0068131 | 0068132 | PP+40 | \$1,915 |
| 3 | Soil #3 | Soil | M7176 | 0068131 | 0068132 | PP+40 | \$1,915 |
| 4 | Soil #4 | Soil | M7177 | 0068131 | 0068132 | PP+40 | \$1,915 |
| 5 | Soil #5 | Soil | M7178 | 0068131 | 0068132 | PP+40 | \$1,915 |
| ED-1 | Sediment #1 | Soil | M7179 | 0068131 | 0068132 | PP+40 | \$1,915 |
| B | Trip Blank | Water | M7180 | 0068247 | 0068248 | PP+40 | \$1,525 |
| B | Field Blank | Water | M7181 | 0068245 | 0068246 | PP+40 | \$1,525 |
| W-1 | Potable Well | Water | M7182 | 0068217 | 0068218 | PP+40 | \$1,525 |
| W-1 | Pond | Water | M7183 | 0068099 | 0068100 | PP+40 | \$1,525 |

100083



State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Acting Director
CN 028

Trenton, N.J. 08625
609 - 292 - 1250

M E M O R A N D U M

TO: ROBERT KUNZE, ACTING CHIEF
BUREAU OF SITE ASSESSMENT

THROUGH: ALBERT PLEVA, HSMS I
BUREAU OF SITE ASSESSMENT

FROM: CAROL GRAUBART, HSMS IV
BUREAU OF SITE ASSESSMENT

SUBJECT: SAMPLING PLAN FOR HIGGINS DISPOSAL SERVICE
KINGSTON, FRANKLIN TOWNSHIP, SOMERSET COUNTY

Comments:

Higgins Disposal Service previously owned by Clifford Higgins operated as an unauthorized waste transfer station and landfill. The property is located on Laurel Avenue in Franklin Township, Somerset County. Several private wells in the vicinity have exhibited evidence of contamination with volatile organic compounds.

Mr. Higgins is currently being investigated by the NJDEP for illegally disposing of hazardous wastes at another location in Franklin Township. A buried drum site, discovered on property owned by Higgins, has thus far been attributed to the contamination of at least one potable supply well in the area.

A remedial investigation is needed to determine the source of contamination in the private wells along Laurel Avenue.

SECTION A: QA/QC Samples

One trip blank and one field blank will be supplied by the lab to be analyzed for full priority pollutants plus forty.

SECTION B: Aqueous Samples

A total of two aqueous samples will be collected. One sample will be obtained from a pond in the N.W. corner of the property. Another sample will be collected from Mr. Higgins potable supply well, before treatment. Both samples will be analyzed for full pp + 40.

100084

R

SECTION C: Soil Samples

A total of six soil samples will be collected. See attached map for actual sample locations.

EQUIPMENT:

Lab clean and dedicated stainless steel towels and hand augers will be used to collect samples. Division of Waste Management sampling procedures will be followed at all times.

ANALYSIS AND FUNDING:

All samples will be analyzed for priority pollutants plus forty. ETC of Edison N.J. will be contracted under X-085 to do the analysis. Report format will be Tier II for Task II and III.

Funding will be from the MSCA grant. The costs are as follows:

| | |
|------------------------|------------------|
| 6 Soils @ \$1,915 each | Total - \$11,490 |
| 2 Aqueous @ 1,525 each | Total - \$3,050 |
| 2 Blanks @ 1,525 each | Total - \$3,050 |
| | Total - \$17,590 |

HS162:mz
attachment (1) map

100085

R