SUBSURFACE INVESTIGATION
PROPERTY LOCATED AT
550 MAIN STREET
WESTBURY, NEW YORK

1-30-043

Prepared for:

ROYAL GUARD FENCE CO., INC.
550 MAIN STREET
WESTBURY, NEW YORK

Prepared by:

EEA, *Inc.*
55 Hilton Avenue
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OCTOBER 1992

92737

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PHASE II SUBSURFACE INVESTIGATION
ROYAL GUARD FENCE CO., INC.
550 MAIN STREET
WESTBURY, NEW YORK

INTRODUCTION AND SCOPE

EEA, Inc. has completed a Phase II Subsurface Investigation of the property located at 550 Main Street, Westbury, New York. Royal Guard Fence Company, Inc. currently operates at this location.

A Phase I Environmental Site Assessment (AUD-91264) was completed for this property by EEA, Inc. in November 1991. The results of that assessment revealed that there have been operations on the property that involve the storage, use, and/or production of significant quantities of hazardous materials. These materials include cutting, gear, motor, hydraulic and waste oil, transmission fluid, antifreeze, paints and paint products, degreasing solvents, and gasoline.

There were three buried fuel storage tanks and an aboveground waste oil storage tank located on the subject property. These tanks include an active 4,000-gallon gasoline tank, an inactive 2,000-gallon buried tank, once containing diesel fuel, (this tank was permanently abandoned in place by ANS Welding Corporation), and one active 500-gallon fuel oil tank used for building heating purposes. For detailed information concerning these tanks, refer to EEA's Phase I Report (AUD-91264).

Drainage structures on the property include three drywells located on exterior paved storage and parking areas, and one interior floor drain.

Sewage is currently discharged to the municipal sewage system. The building was linked to this system in 1983. Prior to connection to this system, sewage was discharged to an on-site septic system (1954 to 1983). An inspection as to the destination of discharge of the interior floor drain was made. It appears that this drainage structure drained to the soils underlying the building or to the septic system.

The Phase II Work Scope included soil boring and sampling adjacent to the three buried fuel tanks and waste oil tank. Soil borings and sampling were also completed through the abandoned sanitary system drainage system and pavement drywells. Samples of soil were analyzed for petroleum hydrocarbons, volatile organic compounds, and RCRA metals. Soil gas sampling was also performed through the interior floor drain.

At three locations on the property (one upgradient and two downgradient), permanent monitoring wells were installed and developed. Ground water samples were collected and analyzed for volatile organic compounds and RCRA metals. Water table elevations of the wells were taken, and an attempt as to the direction of groundwater flow was made.

The enclosed diagrams show the sample collection locations and interpreted ground water flow directions. The following report presents the results of the investigation.

DISCUSSION OF RESULTS AND CONCLUSIONS

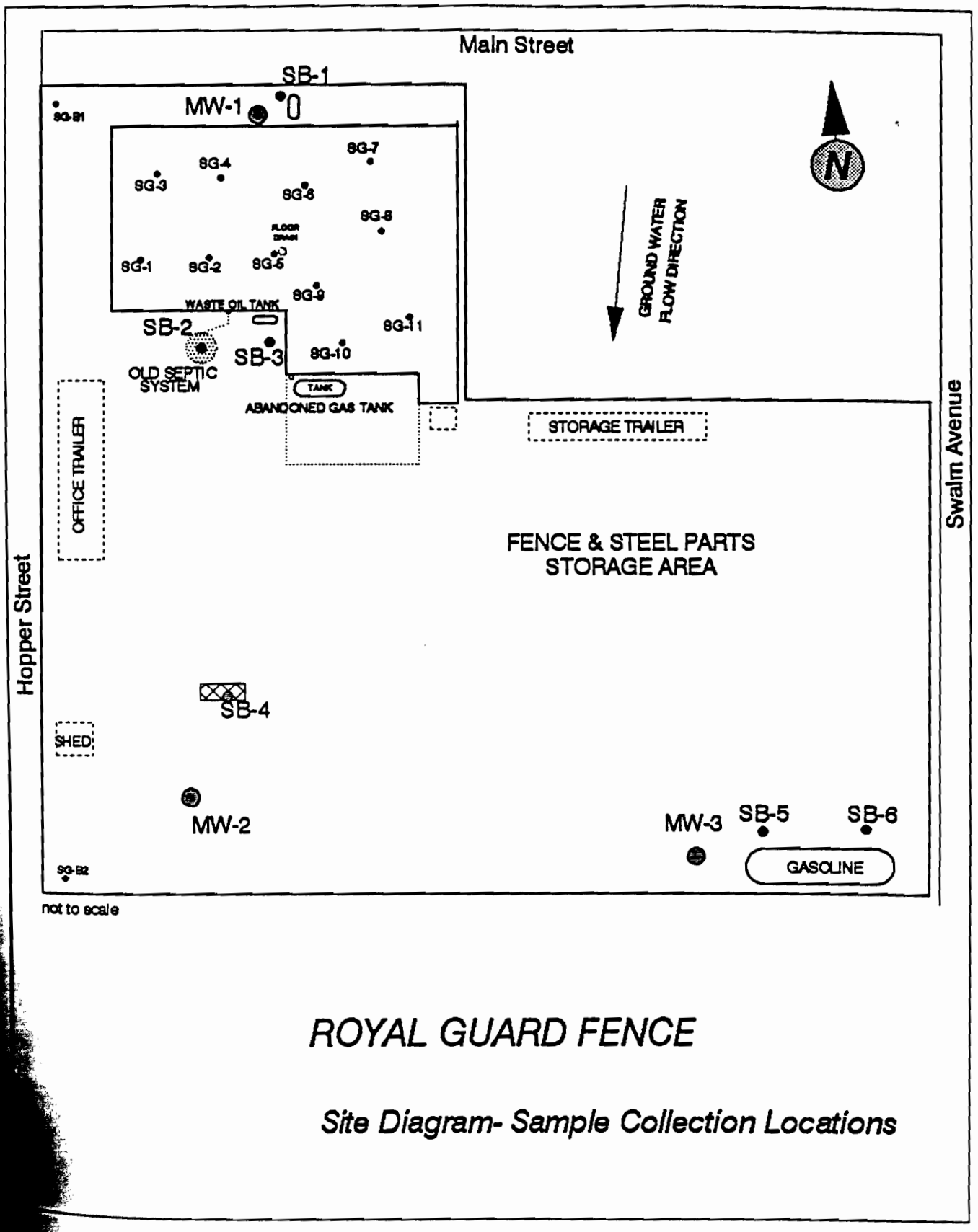
Facility Storage Tanks

Results of soil sampling around these tanks indicate that the soils surrounding and below the tanks have not been contaminated with petroleum hydrocarbons, gasoline, or gasoline-constituent chemicals. A summary of these results is presented in Tables 1 and 3.

Drainage Structures

Samples of soil were collected from the exterior paved parking and storage area drywells. The samples were collected at a depth of four to six feet below the bottom of the drainage structure. The samples were analyzed for total petroleum hydrocarbons, RCRA metals, and volatile organic compounds.

Results of sampling show no contamination present in soils within and below these drainage structures. The location of these drainage structures is shown on the enclosed diagram. An interior floor drain, located inside the building, was inspected and analyzed using an Organic Vapor Analyzer (OVA). Samples of soil were not possible in this area, because of elbow in the piping leading towards the abandoned septic system. No organic vapors were detected in this drain pipe. A soil gas survey was performed inside the building in order to determine possible contamination to underlying soil as a result of this drainage structure. No evidence of volatile organic chemical contamination was made. This drain existed in the building prior to the building's connection to the municipal sewer system; therefore, the drain could not have been linked to the municipal sewer system, and could only have discharged to the soil below the building, or to the sanitary septic system. A dye trace of this drain was not possible because the sanitary septic system was filled in 1983. No contamination was detected in, or around, this drain structure.



ROYAL GUARD FENCE

Site Diagram- Sample Collection Locations

Sanitary Septic System

The building discharged sanitary waste to a single pool septic system from 1954 to 1983. In 1983, this cesspool was abandoned by cleaning out residual wastes and filling in with fill sands. An interior drain was possibly linked to this drain pool.

A soil boring was located through the center of this pool, and soil samples were retrieved continuously to a depth of 24 feet below surface grade, which is below the bottom of the original cesspool bottom.

OVA readings show low levels of organic vapors in the soils at depths between 15 to 22 feet. These are most likely degradation products, because septic-type odors were noted in these samples. A soil sample was selected for laboratory analysis at a depth of 20 to 22 feet for volatile organic compounds, total petroleum hydrocarbons, and RCRA metals. No contamination was detected in this sample.

It appears that past discharges made to this cesspool did not contain organic chemical RCRA metals or petroleum hydrocarbons.

Soil Gas Survey

Inside the building work area, a soil gas survey was performed in an effort to identify any volatile organic chemical contamination of soils underlying the floor areas. The soil gas survey consisted of eleven soil gas probe locations and two background locations. The probes were inserted to a depth of three to four feet below the building foundation. Table 5 shows the soil gas survey results. Results did not show evidence of significant organic vapors above background soil sample readings. Soil readings were below ambient air levels. This is most likely due to vehicles and equipment combustion engines in use in the vicinity.

Groundwater

Three ground water monitoring wells were installed and sampled. The regional ground water flow direction is towards the southwest, as reported in previous studies of the New Cassel area. One well (MW-1) was installed upgradient of the property, and two wells (MW-2 and MW-3) were installed downgradient of the facility. Ground water depth below surface grade at the property was found at a depth averaging 50.5 feet in the three monitoring wells. The monitoring well locations are shown on the site diagram.

During drilling, samples of soil were collected and screened with an OVA instrument. No organic vapors were detected in soils overlying the groundwater.

Each well was sampled for volatile organic compounds and RCRA metals (total). Results of laboratory testing shows contamination of the ground water with 111-Trichloroethane, Trichloroethene, and Tetrachloroethene. Both upgradient and downgradient samples show similar concentrations. Tables 3 and 4 show a summary of the laboratory results.

It can be concluded, based upon the following information gathered in EEA's Phase I Environmental Assessment and Phase II Subsurface Investigation, that no evidence was found that past/present operations on the property have contributed to the contaminated aquifer segment in the New Cassel area:

- Past and present operations on the property historically have never used organic chemical compounds, such as those found contaminating the underlying aquifer.

- Upgradient, as well as downgradient ground water samples collected on the property show similar contamination concentrations. No increase in contaminant concentration was found in downgradient versus upgradient well samples.

- Soils and sediment samples collected in drainage structures, around tanks and other areas, did not show any measurable levels of organic chemical or RCRA metal contamination present.

RESULTS OF LABORATORY ANALYSIS

The results of soil and ground water samples were prepared by EcoTest Laboratories, Inc. (New York State certified laboratory). Tables present a summary of the results. The chain-of-custody records, as well as the analytical laboratory data sheets, are presented in the Appendix to this report. The sample collection locations are shown on the enclosed site diagram.

Samples of soil and ground water sampled on-site were analyzed for volatile organic compounds (EPA Method 8240, 624), total petroleum hydrocarbons, and RCRA metals.

TABLE 1

SOIL SAMPLE RESULTS - TOTAL PETROLEUM HYDROCARBONS

Sample Identification	Sample Depth	Analytical Parameter (mg/kg)
SB-1	8 -10 ft.	36
SB-2	20 - 22 ft	80
SB-3	5 - 7 ft.	190
SB-4	4 - 6 ft.	ND

TABLE 2

SOIL SAMPLE RESULTS - METALS

		Analytical Parameters (mg/kg)							
Sample Identification	Sample Depth	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
SB-2	20-22 ft.	0.45	3.8	0.048	2.4	2.3	0.032	0.06	0.07
SB-4	4-6 ft.	0.33	2.1	0.011	0.81	1.1	0.0076	ND	0.06

TABLE 3

GROUND WATER AND SOIL SAMPLE RESULTS - ORGANIC COMPOUNDS

	Sample Identification and Collection Locations								
Analytical Parameters (µg/kg)	MW-1	MW-2	MW-3	MW-3D	FB	SB-2 20-22 ft.	SB-4 4-6 ft.	SB-5 15-17 ft.	SB-6 15-17 ft
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	NA	NA
Bromomethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Chloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Trichlorofluomethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
11 Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NA	NA
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	NA	NA
t-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	NA	NA
11 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Chloroform	ND	ND	ND	ND	ND	ND	ND	NA	NA
111 Trichloroethane	**2**	**ND**	**4**	**ND**	**ND**	**ND**	**ND**	**NA**	**NA**
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	NA	NA
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
12 Dichloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Trichloroethene	**110**	**29**	**53**	**ND**	**ND**	**ND**	**ND**	**NA**	**NA**
12 Dichloropropane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
2chloroethvinylether	ND	ND	ND	ND	ND	ND	ND	NA	NA
t 13 Dichloropropene	ND	ND	ND	ND	ND	ND	ND	NA	NA
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
c 13 Dichloropropene	ND	ND	ND	ND	ND	ND	ND	NA	NA
112 Trichloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA

TABLE 3 - Continued

GROUND WATER AND SOIL SAMPLE RESULTS - ORGANIC COMPOUNDS

	Sample Identification and Collection Locations								
Analytical Parameters (µg/kg)	MW-1	MW-2	MW-3	MW-3D	FB	SB-2 20-22 ft.	SB-4 4-6 ft.	SB-5 15-17 ft.	SB-6 15-17 ft
Tetrachloroethene	**5**	**8**	**48**	**ND**	**ND**	**ND**	**ND**	**NA**	NA
Chlorodibromomethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA
Ethyl Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
m + p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
o Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	NA	NA
1122Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	NA	NA
m Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA
p Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA
o Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NA	NA

µg/kg - presented in parts per billion,micrograms per kilogram
ND - Not detected above method level detection limits
NA - Not analyzed

TABLE 4

GROUND WATER SAMPLE RESULTS - METALS

	Analytical Parameters (mg/L)							
Sample Identification	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
MW-1	ND	0.08	0.001	ND	0.016	ND	ND	0.001
MW-2	ND	ND	ND	ND	0.014	ND	ND	ND
MW-3	ND	0.13	0.001	0.030	0.029	ND	ND	0.003
MW-3D	ND	0.12	ND	0.024	0.020	ND	ND	ND
FB	ND	ND	ND	ND	ND	ND	ND	ND

TPH = Total Petroleum Hydrocarbons, presented in milligrams per kilogram
µg/kg/L = presented in micrograms per kilogram
mg/kg = presented in parts per million
ND = not detected above laboratory method detection limits
NA = not analyzed

TABLE 5

SOIL GAS SURVEY RESULTS

Sample Identification	Sample Location	OVA Reading (ppm)
AM-1	Ambient air north	6.3
AM-2	Ambient air south	5.5
SG-B1	Background soil north	1.2
SG-B2	Background soil south	0.2
SG-1	Building work area	1.7
SG-2	Building work area	3.7
SG-3	Building work area	-1.2
SG-4	Building work area	-2.4
SG-5	Adjacent to floor drain	0.7
SG-6	Building work area	-1.2
SG-7	Building work area	0.2
SG-8	Building work area	0.7
SG-9	Building work area	2.3
SG-10	Maintenance room	1.2
SG-11	Building work area	2.1

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ppm - parts per million (measured to a calibrated methane standard of 100 ppm and zero air mixture.

*Foxboro Century 128 Organic Vapor Analyzer

SAMPLE COLLECTION LOCATIONS AND OBSERVATIONS

The sample collection locations are shown on the enclosed diagram. The monitor well and soil boring logs, which show the vertical stratigraphy at each location, and the OVA readings for each sample collected, are presented in the Appendix to this report.

Sample Location	Field Observations
SB-1	Soil Boring (SB-1) was located adjacent to a buried 500-gallon fuel oil tank. Hollow stem augers were advanced to a depth of 8 feet below grade level. Fine to medium sand, with little gravel, make up the fill soils around this tank. No organic vapors or signs of contamination were detected. A soil sample (S-1) was collected at 8 to 10 feet. This sample was submitted for analysis of total petroleum hydrocarbons.
SB-2	This soil boring (SB-2) was performed through the sanitary system disposal pool. Split spoon samples were collected continuously ahead of hollow stem augering. The leaching pool structure was filled in with fine-medium sand and gravel to a depth of 17.5 feet. At 17.5 feet, fine sand and gravel indicated that residual septic wastes were present in the matrix. Organic vapor readings (OVA) found a small increase in organic content of these septic soils. A sample of soil was collected at a depth of 20 to 22 feet, and was analyzed for volatile organic compounds, total petroleum hydrocarbons, and RCRA metals.
SB-3	Sampling of soils was performed adjacent to the above ground 275-gallon waste oil tank. Slight staining of soils was noted on the concrete adjacent to this tank. Soils were sampled directly below the concrete and at 5 to 7 feet below grade. OVA readings did not indicate the presence of volatile organic compounds in the soils at this location. A soil sample was collected at 5 to 7 feet and analyzed for total petroleum hydrocarbons.
SB-4	Soil Boring (SB-4) was conducted through the center of the storage/parking area drywell pool. The depth to the bottom of the drywell is 9 feet. Samples of soil were collected

from the bottom of this structure to a depth of six feet. OVA readings indicated slight volatile organic contamination; however, due to the presence of leaves, sticks, silt, etc., these readings may be a measure of the natural decomposition products (methane) present. A sample of soil was collected at a depth of 4 to 6 feet and analyzed for total petroleum hydrocarbons, volatile organic compounds, and RCRA metals.

SB-5 and SB-6 — These soil borings were completed adjacent to the 4,000-gallon buried gasoline tank. Split spoon sampling was completed continuously to a depth of 17 feet. OVA measurements indicated slightly higher than background levels. A soil sample was collected at a depth of 15 to 17 feet in each boring. These samples were analyzed for gasoline constituent volatile organic compounds.

Soil Gas Probes — Several soil gas probe holes were conducted through the building foundation and into the soils below. These locations, SG-A and SG-B, were completed where interior floor drains may have discharged to underlying soils. Two background probes were completed and show average background readings of 2.0 ppm total organic vapor content in soils.

SAMPLING METHODOLOGY

a. Soil Gas Survey

Soil gas contaminant investigation refers to the analysis of the soil air phase as a means to define underground contamination from volatile organic chemicals. Soil gas or vapor monitoring techniques utilize an in situ gas collection or monitoring device that is installed below the ground surface. Organic chemicals present in the soil atmosphere indicate that contamination exists either in the ground water below the device, or in the soil surrounding the device.

A three-quarter inch, solid steel probe is used to create an open hole to the desired depth. The probe is removed and a one-quarter inch stainless steel tube is carefully inserted in the open hole. The tube is sealed at the ground surface, and soil gas is drawn up the small diameter conduit where it is sampled at the surface.

Soil gas contaminant mapping provides a rapid means of detecting and delineating contamination distribution. More data can be collected at a site in one day than in several days from conventional drilling and sampling techniques. Results are most often used to pinpoint placement of monitoring wells or precisely define an area designated for remedial action.

The instrument used was a Foxboro Century 128 Organic Vapor Analyzer. Instrument calibrations were conducted throughout the investigation using a 100 ppm methane/zero air mixture.

b. Soil Borings

At each on-site sampling location, soil samples were obtained by utilizing a steel, 24-inch, split spoon sampler, which was driven through the subsurface levels ahead of a hollow stem (6-inch) auger, which bores into the soil to the desired sampling depth. The split-spoon sampler was driven through the top two feet of soil to obtain the surface sample, which was composited and placed in the properly refrigerated containers.

The auger then bored down to a depth of two feet; a split-spoon sampler was then inserted in the hollow stem and driven to a depth of four feet to obtain the first intermediate sample. Next, the auger bore down to four feet and the split-spoon sampler driven to six feet, to obtain the second intermediate sample. This procedure was repeated until the deep sample was obtained from a two-foot horizon above the ground water table.

An organic vapor analysis (OVA) was performed on all soil samples using a Century Model 128 Organic Vapor Analyzer. The sample producing the highest OVA reading was sent to the laboratory for analysis.

c. Ground Water Monitor Wells

The water samples were obtained by installing a 2-inch ID PVC casing in a 6-inch augured hole. The PVC screen was installed with the top two feet above the level of the ground water. The total screen length was 10 feet. The well screen slot size was 0.10. A filter pack of sand was placed in the annular space around the screens and extended above the screen.

The well was developed on the same day, drilled, and hand bailed until visually free of suspected materials or sediments. A dedicated teflon bailer was used to sample each well. Sampling was completed approximately two weeks after well installation and initial development.

d. Quality Assurance and Control

To avoid contamination and cross-contamination of samples, all sampling equipment was cleaned before each sample was collected. The split-spoon and hollow-stem auger were first steam cleaned. The following procedures were followed:

Step 1: Steam clean equipment.

Step 2: Scrub with a bristle brush using a non-phosphate detergent (such as Alconox) in hot tap water.

Step 3: Rinse with hot tap water.

Step 4: Rinse twice with deionized water.

Step 5: Rinse with spectrographic-grade acetone.

Step 6: Air dry.

Step 7: Rinse twice with deionized water.

Step 8: Air dry.

Step 9: Keep in clean unused aluminum foil.

This decontamination procedure was used for all borings.

A chain-of-custody record is kept at all times with the samples. This record documents sample collection date/time and collector. The sample possession record begins at sample collection and ends at delivery to the laboratory.

APPENDIX

LABORATORY DATA SHEETS,
CHAIN-OF-CUSTODY RECORD, and
SOIL BORING LOGS

ENERGY AND ENVIRONMENTAL ANALYSTS, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK 516-746-4400 212-227-3200

CHAIN OF CUSTODY RECORD

PROJECT NO. 92737 | PROJECT NAME Royal Guard Fence

LABORATORY NAME Ecotest Laboratories Inc.

SAMPLE ID #	DATE	TIME	SAMPLE LOCATION	NUMBER SAMPLE CONTAINERS	ANALYSIS: EPA 624	EPA 8240	EPA 8020	TPH	RCRA METALS	MBTE	SAMPLE DESCRIPTION
MW-1	8/25/92	0845	monitor well #1 - upgradient	3	✓				✓		groundwater
MW-2	8/25/92	1030	monitor well #2	3	✓				✓		groundwater
MW-3	8/25/92	1300	monitor well #3	3	✓				✓		groundwater
SB-1	8/25/92	0915	SB-1 8-10 ft	1				✓			soil
SB-2	8/25/92	1000	SB-2 20-22 ft	2		✓		✓	✓		soil
MW-3D	8/25/92	1300	monitor well #3 - duplicate	3	✓				✓		ground water
FB	8/25/92	1300	Field blank	3	✓				✓		DI H_2O
SB-3	8/25/92	1030	SB-3 5-7 ft	1				✓			SOIL
SB-4	8/25/92	1200	SB-4 4-6 ft	2		✓		✓	✓		SOIL
SB-5	8/25/92	1415	SB-5 15-17 ft	1			✓			✓	SOIL
SB-6	8/25/92	1500	SB-6 15-17 ft	1			✓			✓	SOIL

SHIPPED VIA: HAND delivered by EEA

REMARKS

RELINQUISHED BY:	DATE	TIME	COMPANY
Nick Recchia	8/27/92	1300	EEA, Inc.
RECEIVED BY:	DATE	TIME	COMPANY
[signature]	8/27/92	1300	Ecotest

SAMPLER (SIGNITURE) Nicholas J. Recchia

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/1 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-1, 0845

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	2
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	110
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	5
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR

n= 14868 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/1 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-1, 0845

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	0.08	
Cadmium as Cd	mg/L	0.001	
Chromium as Cr	mg/L	<0.005	
Lead as Pb	mg/L	0.016	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	0.001	

cc:

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/2 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-2, 1030

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	<1
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	29
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	<1
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	8
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

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LAB NO. C923379/2 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-2, 1030

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	<0.05	
Cadmium as Cd	mg/L	<0.001	
Chromium as Cr	mg/L	<0.005	
Lead as Pb	mg/L	0.014	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	<0.001	

cc:

REMARKS:

DIRECTO

Rn= 14871 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/3 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-3, 1300

ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1
Vinyl Chloride	ug/L	<1
Bromomethane	ug/L	<1
Chloroethane	ug/L	<1
Trichlorofluomethane	ug/L	<1
11 Dichloroethene	ug/L	<1
Methylene Chloride	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1
11 Dichloroethane	ug/L	<1
Chloroform	ug/L	<1
111 Trichloroethane	ug/L	4
Carbon Tetrachloride	ug/L	<1
Benzene	ug/L	<1
12 Dichloroethane	ug/L	<1
Trichloroethene	ug/L	53
12 Dichloropropane	ug/L	<1
Bromodichloromethane	ug/L	<1
2chloroethvinylether	ug/L	<1
t 13 Dichloropropene	ug/L	<1
Toluene	ug/L	3
c 13 Dichloropropene	ug/L	<1
112 Trichloroethane	ug/L	<1
Tetrachloroethene	ug/L	48
Chlorodibromomethane	ug/L	<1
Chlorobenzene	ug/L	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/L	<1
m + p Xylene	ug/L	<2
o Xylene	ug/L	<1
Bromoform	ug/L	<1
1122Tetrachloroethan	ug/L	<1
m Dichlorobenzene	ug/L	<1
p Dichlorobenzene	ug/L	<1
o Dichlorobenzene	ug/L	<1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/3

09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-3, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	0.13	
Cadmium as Cd	mg/L	0.001	
Chromium as Cr	mg/L	0.030	
Lead as Pb	mg/L	0.029	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	0.003	

cc:

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/3 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-3, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/L	<0.002	
Barium as Ba	mg/L	0.13	
Cadmium as Cd	mg/L	0.001	
Chromium as Cr	mg/L	0.030	
Lead as Pb	mg/L	0.029	
Mercury as Hg	mg/L	<0.00025	
Selenium as Se	mg/L	<0.002	
Silver as Ag	mg/L	0.003	

cc:

REMARKS:

DIRECTOR

Rn= 14873 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/4 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-1, 8-10 ft., 0915

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 36	

cc:

REMARKS:

DIRECTOR_____

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/5 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-2, 20-22 ft., 1000

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/Kg	<1	Ethyl Benzene	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1	m + p Xylene	ug/Kg	<2
Bromomethane	ug/Kg	<1	o Xylene	ug/Kg	<1
Chloroethane	ug/Kg	<1	Bromoform	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1	1122Tetrachloroethan	ug/Kg	<1
11 Dichloroethene	ug/Kg	<1	m Dichlorobenzene	ug/Kg	<1
Methylene Chloride	ug/Kg	<1	p Dichlorobenzene	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1	o Dichlorobenzene	ug/Kg	<1
11 Dichloroethane	ug/Kg	<1			
Chloroform	ug/Kg	<1			
111 Trichloroethane	ug/Kg	<1			
Carbon Tetrachloride	ug/Kg	<1			
Benzene	ug/Kg	<1			
12 Dichloroethane	ug/Kg	<1			
Trichloroethene	ug/Kg	<1			
12 Dichloropropane	ug/Kg	<1			
Bromodichloromethane	ug/Kg	<1			
2chloroethvinylether	ug/Kg	<1			
t 13 Dichloropropene	ug/Kg	<1			
Toluene	ug/Kg	<1			
c 13 Dichloropropene	ug/Kg	<1			
112 Trichloroethane	ug/Kg	<1			
Tetrachloroethene	ug/Kg	<1			
Chlorodibromomethane	ug/Kg	<1			
Chlorobenzene	ug/Kg	<1			

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR

tn= 14875 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/5 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-2, 20-22 ft., 1000

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Arsenic as As	mg/Kg	0.45	
Barium as Ba	mg/Kg	3.8	
Cadmium as Cd	mg/Kg	0.048	
Chromium as Cr	mg/Kg	2.4	
Lead as Pb	mg/Kg	2.3	
Mercury as Hg	mg/Kg	0.032	
Selenium as Se	mg/Kg	0.06	
Silver as Ag	mg/Kg	0.07	
Petrol. Hydrocarbons	mg/Kg	80	

cc:

REMARKS:

DIRECTOR_____

14876 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/6 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-3D, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
Chloromethane	ug/L	<1	Ethyl Benzene	ug/L	<1
Vinyl Chloride	ug/L	<1	m + p Xylene	ug/L	<2
Bromomethane	ug/L	<1	o Xylene	ug/L	<1
Chloroethane	ug/L	<1	Bromoform	ug/L	<1
Trichlorofluomethane	ug/L	<1	1122Tetrachloroethan	ug/L	<1
11 Dichloroethene	ug/L	<1	m Dichlorobenzene	ug/L	<1
Methylene Chloride	ug/L	<1	p Dichlorobenzene	ug/L	<1
t-1,2-Dichloroethene	ug/L	<1	o Dichlorobenzene	ug/L	<1
11 Dichloroethane	ug/L	<1			
Chloroform	ug/L	<1			
111 Trichloroethane	ug/L	4			
Carbon Tetrachloride	ug/L	<1			
Benzene	ug/L	<1			
12 Dichloroethane	ug/L	<1			
Trichloroethene	ug/L	49			
12 Dichloropropane	ug/L	<1			
Bromodichloromethane	ug/L	<1			
2chloroethvinylether	ug/L	<1			
c 13 Dichloropropene	ug/L	<1			
Toluene	ug/L	3			
t 13 Dichloropropene	ug/L	<1			
112 Trichloroethane	ug/L	<1			
Tetrachloroethene	ug/L	42			
Chlorodibromomethane	ug/L	<1			
Chlorobenzene	ug/L	<1			

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR_____

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/6 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

URCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, MW-3D, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
senic as As	mg/L	<0.002	
rium as Ba	mg/L	0.12	
dmium as Cd	mg/L	<0.001	
romium as Cr	mg/L	0.024	
ad as Pb	mg/L	0.020	
rcury as Hg	mg/L	<0.00025	
lenium as Se	mg/L	<0.002	
lver as Ag	mg/L	<0.001	

cc:

REMARKS:

DIRECTOR

COTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/7 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

URCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, Field Blank, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS		
loromethane	ug/L	<1	Ethyl Benzene	ug/L	<1
nyl Chloride	ug/L	<1	m + p Xylene	ug/L	<2
omomethane	ug/L	<1	o Xylene	ug/L	<1
loroethane	ug/L	<1	Bromoform	ug/L	<1
ichlorofluomethane	ug/L	<1	1122Tetrachloroethan	ug/L	<1
Dichloroethene	ug/L	<1	m Dichlorobenzene	ug/L	<1
thylene Chloride	ug/L	<1	p Dichlorobenzene	ug/L	<1
-1,2-Dichloroethene	ug/L	<1	o Dichlorobenzene	ug/L	<1
1 Dichloroethane	ug/L	<1			
hloroform	ug/L	<1			
111 Trichloroethane	ug/L	<1			
arbon Tetrachloride	ug/L	<1			
enzene	ug/L	<1			
12 Dichloroethane	ug/L	<1			
richloroethene	ug/L	<1			
12 Dichloropropane	ug/L	<1			
romodichloromethane	ug/L	<1			
chloroethvinylether	ug/L	<1			
13 Dichloropropene	ug/L	<1			
oluene	ug/L	<1			
13 Dichloropropene	ug/L	<1			
112 Trichloroethane	ug/L	<1			
etrachloroethene	ug/L	<1			
hlorodibromomethane	ug/L	<1			
hlorobenzene	ug/L	<1			

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR_____

COTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/7 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

URCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, Field Blank, 1300

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
senic as As	mg/L	<0.002	
rium as Ba	mg/L	<0.05	
dmium as Cd	mg/L	<0.001	
romium as Cr	mg/L	<0.005	
ad as Pb	mg/L	<0.005	
rcury as Hg	mg/L	<0.00025	
lenium as Se	mg/L	<0.002	
lver as Ag	mg/L	<0.001	

cc:

REMARKS:

DI

14A80 NYSDOH ID# 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/8 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-3, 5-7 ft., 1030

ANALYTICAL PARAMETERS		ANALYTICAL PARAMETERS
Petrol. Hydrocarbons	mg/Kg 190	

cc:

REMARKS:

DIRECTOR

oTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/9 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

CE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-4, 4-6 ft., 1200

ANALYTICAL PARAMETERS		
oromethane	ug/Kg	<1
yl Chloride	ug/Kg	<1
momethane	ug/Kg	<1
oroethane	ug/Kg	<1
chlorofluomethane	ug/Kg	<1
Dichloroethene	ug/Kg	<1
hylene Chloride	ug/Kg	<1
,2-Dichloroethene	ug/Kg	<1
Dichloroethane	ug/Kg	<1
oroform	ug/Kg	<1
Trichloroethane	ug/Kg	<1
on Tetrachloride	ug/Kg	<1
ene	ug/Kg	<1
ichloroethane	ug/Kg	<1
hloroethene	ug/Kg	<1
ichloropropane	ug/Kg	<1
odichloromethane	ug/Kg	<1
roethvinylether	ug/Kg	<1
Dichloropropene	ug/Kg	<1
ne	ug/Kg	<1
Dichloropropene	ug/Kg	<1
richloroethane	ug/Kg	<1
chloroethene	ug/Kg	<1
dibromomethane	ug/Kg	<1
benzene	ug/Kg	<1

ANALYTICAL PARAMETERS		
Ethyl Benzene	ug/Kg	<1
m + p Xylene	ug/Kg	<2
o Xylene	ug/Kg	<1
Bromoform	ug/Kg	<1
1122Tetrachloroethan	ug/Kg	<1
m Dichlorobenzene	ug/Kg	<1
p Dichlorobenzene	ug/Kg	<1
o Dichlorobenzene	ug/Kg	<1

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR

4882 NYSDOH ID# 10320

COTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/9 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

URCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil sample, SB-4, 4-6 ft., 1200

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
rsenic as As	mg/Kg	0.33	
arium as Ba	mg/Kg	2.1	
admium as Cd	mg/Kg	0.011	
hromium as Cr	mg/Kg	0.81	
ead as Pb	mg/Kg	1.1	
ercury as Hg	mg/Kg	0.0076	
elenium as Se	mg/Kg	<0.05	
ilver as Ag	mg/Kg	0.06	
etrol. Hydrocarbons	mg/Kg	<10	

cc:

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/10 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil Sample, SB-5, 15-17 ft., 1415

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Benzene	ug/Kg	<5	
Toluene	ug/Kg	<5	
Ethyl Benzene	ug/Kg	<5	
m + p Xylene	ug/Kg	<10	
o Xylene	ug/Kg	<5	
ter.ButylMethylEther	ug/Kg	<5	

cc:

REMARKS:

DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770

LAB NO. C923379/11 09/15/92

Energy & Environmental Analysts, Inc.
55 Hilton Ave.
Garden City, NY 11530
ATTN: Nicholas Recchia

SOURCE OF SAMPLE: Royal Guard Fence, Project No. 92737
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Soil Sample, SB-6, 15-17 ft., 1500

ANALYTICAL PARAMETERS			ANALYTICAL PARAMETERS
Benzene	ug/Kg	<5	
Toluene	ug/Kg	<5	
Ethyl Benzene	ug/Kg	<5	
m + p Xylene	ug/Kg	<10	
o Xylene	ug/Kg	<5	
Ter. ButylMethylEther	ug/Kg	<5	

cc:

REMARKS:

DIRECTOR

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8-25-92 | SHEET 1 OF 1

CLIENT: Royal Guard Fence | BORING NO: SB-1

PROJECT LOCATION: 550 Main St. Westbury NY | PROJECT NO: 92737

REMARKS: Adjacent to 500 gallon fuel oil tank

DRILLING CONTRACTOR: Tri-State Tech | LOGGED BY: RP | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	—	—	—	Mobil B-50 HSA
SIZE	STD 2ϕ	4¼ ϕ				

SURFACE ELEVATION: NA | SURFACE CONDITIONS: Asphalt

WATER LEVEL:

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	SAMPLE INFORMATION DEPTH	SAMPLE INFORMATION MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0					3	Asphalt .30' Brn F-M SAND Fill
5						Brn M - SAND little gravel Fill
10	2	S-1	8-10	dry		EOB @ 12 ft
15						

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8-25-92 | SHEET 1 OF 1

CLIENT: Royal Guard Fence | BORING NO: SB-2

PROJECT LOCATION: 550 Main St. Westbury NY | PROJECT NO: 92737

REMARKS: located through old septic pool ; filled in & abandoned

DRILLING CONTRACTOR: Tri-State Drilling | LOGGED BY: JP | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	—	—	—	Mobil B-50 HSA
SIZE	STD 2ϕ	4 1/4 ϕ				

SURFACE ELEVATION: NA | SURFACE CONDITIONS: Concrete

WATER LEVEL: NA

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	DEPTH	MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0	0	S-1	0-2	dry		CONCRETE .50'
	0	S-2	2-4			BRN F-M SAND little gravel
5	6	S-3	4-6			
	10	S-4	6-8			
10	10	S-5	8-10			
	10	S-6	10-12			
15	8	S-7	12-14			
	12	S-8	15-17		17.5	
	20	S-9	20-22	MOIST		BRN Fine SAND tr. gravel septic odors
	15	S-10	22-24	dry		EOB @ 24 ft

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8-25-92 | SHEET 1 OF 1

CLIENT: Royal Guard Fence | BORING NO: SB-3

PROJECT LOCATION: 550 Main St. Westbury NY | PROJECT NO: 92737

REMARKS: Adjacent to waste oil tank

DRILLING CONTRACTOR: Tri-State Drilling | LOGGED BY: NR | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	—	—	—	Mobil B-50 HSA
SIZE	STD 2ϕ	4¼ϕ				

SURFACE ELEVATION: NA | SURFACE CONDITIONS: concrete

WATER LEVEL: NA

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	SAMPLE INFORMATION DEPTH	SAMPLE INFORMATION MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0	1	S-1	.5-2	dry		CONCRETE -30
						BRN F-M SAND little gravel
5	2	S-2	5-7	dry		EOB @ 7 ft
10						
15						
20						

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8-25-92 | SHEET 1 OF 1

CLIENT: Royal Guard Fence | BORING NO: SB-4

PROJECT LOCATION: 550 Main St. Westbury, NY | PROJECT NO: 92737

REMARKS: boring through center of drywell; depth to bottom = 9 ft
All sampling from drywell bottom

DRILLING CONTRACTOR: Tri-State Drilling | LOGGED BY: LP | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	—	—	—	Mobil B-50 HSA
SIZE	STD	4¼ ϕ				

SURFACE ELEVATION: NA | SURFACE CONDITIONS: Asphalt

WATER LEVEL: ~

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	DEPTH	MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0	15	S-1	0-2	WET		Blk/Brn Fine SAND, leaves, asphalt ect.
	8	S-2	2-4	MOIST		Brn F-M SAND little gravel
5	5	S-3	4-6	MOIST		Brn/Tn F-M SAND little gravel
						EOB @ 6 ft
10						
15						
20						

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 2-25-92 | SHEET 1 OF 1

CLIENT: Royal Guard Fence | BORING NO: 92737

PROJECT LOCATION: 550 MAIN St. | PROJECT NO: SB-5

REMARKS: Adjacent to 4000 gallon gasoline tank SB-6
two holes same stratigraphy

DRILLING CONTRACTOR: Tri-State Drilling | LOGGED BY: RE | DRILLER: GE

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	—	—	—	Mobil B-50 HSA
SIZE	STD	6¼ ϕ				

SURFACE ELEVATION: NA | SURFACE CONDITIONS: Asphalt

WATER LEVEL: —

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	SAMPLE INFORMATION DEPTH	SAMPLE INFORMATION MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0						Asphalt
	2	S-1	3-5	dry		Brn F-C SAND, little gravel
5	0	S-2	5-7			
	0	S-3	7-9			
10	5	S-4	9-11			
	6	S-5	11-13			← bottom of tank
15	10	S-6	13-15			
	5	S-7	15-17			EOB @ 17ft

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8/7/92 | SHEET 1 OF 2

CLIENT: ROYAL GUARD FENCE | BORING NO: MW-1

PROJECT LOCATION: 530 MAIN ST. | PROJECT NO: 92737

REMARKS: install first of 3 permanent monitoring wells - front parking area

DRILLING CONTRACTOR: TRI-STATE | LOGGED BY: SA | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	PVC	PVC	FLUSH	Mobil B-50 HSA
SIZE	—	6 1/4 ϕ	2 ϕ	2 ϕ	8 ϕ	

SURFACE ELEVATION: | SURFACE CONDITIONS: pavement

WATER LEVEL: 51.5'

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	SAMPLE INFORMATION DEPTH	SAMPLE INFORMATION MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0						asphalt
						fill and sand
						gravelly sand
5					← ADVANCE AUGERS	
10	0	S-1	10-12	dry		
						brown gravelly medium sand
15						
20	0	S-2	20-22	dry		

PROJECT NAME : ROYAL GUARD FENCE BORING No. MW-1 PROJECT No. 92737 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE -0-10% LITTLE-10-20% SOME-20-30% AND-35-50%
25								
30	1.5	S-3	30-32					
35								
40								
								brown medium sand
45								
50							WT	=51.5'
55								
60								

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8/7/92 | SHEET 1 OF 2

CLIENT: ROYAL GUARD FENCE | BORING NO: MW-2

PROJECT LOCATION: 530 MAIN ST. WESTBURY | PROJECT NO: 92737

REMARKS: Installation - Second of 3 permanent monitoring wells - rear yard - west side

DRILLING CONTRACTOR: TRI STATE | LOGGED BY: SA | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	PVC	PVC	Flush	Mobil B-50 HSA
SIZE	—	6 1/4 ϕ	2ϕ	2ϕ	8ϕ	

SURFACE ELEVATION: | SURFACE CONDITIONS: pavement

WATER LEVEL: 53'2"

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	SAMPLE INFORMATION DEPTH	SAMPLE INFORMATION MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0						asphalt
						fill material
5						brown, medium to coarse sand, some gravel trace of cobble
10	0	S-1	10-12			
15						
20	0	S-2	20-22			

PROJECT NAME: ROYAL GUARD FENCE BORING No. MW-2 PROJECT No. 92737 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE=0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
25								
30								
35								
40	0	S-1	40-41					fine to medium light brown sand
45								
50							WT	=53'2"
55								
60								

ENERGY AND ENVIRONMENTAL ANALYSTS

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING AND MONITOR WELL REPORT

DATE 8/7/92 | SHEET 1 OF 2

CLIENT: ROYAL GUARD FENCE | BORING NO: MW-3

PROJECT LOCATION: 530 MAIN STREET WESTBURY | PROJECT NO: 92737

REMARKS:

DRILLING CONTRACTOR: TRI STATE | LOGGED BY: SA | DRILLER: GC

EQUIPMENT	SOIL SAMPLER	AUGER	MONITOR WELL SPECIFICATIONS			DRILL RIG DRILL METHOD
			CASING	SCREEN	COVER	
TYPE	SPLIT SPOON	HSA	PVC	PVC	FLUSH	Mobil B-50 HSA
SIZE	STD	6 1/4 ϕ	2ϕ	2ϕ	2ϕ	

SURFACE ELEVATION: — | SURFACE CONDITIONS:

WATER LEVEL: 52'

DEPTH	OVA READINGS	SAMPLE INFORMATION NUMBER	DEPTH	MOISTURE	STRATA	SOIL DESCRIPTION & OBSERVATIONS
0						asphalt
						fill
5	1.0	S-1	5-7	dry		brown medium-coarse gravelly sand
10						
15						
20	0	S-2	20-22	dry		

PROJECT NAME : ROYAL GUARD FENCE BORING No. MW-3 PROJECT No. 92737 SHEET 2 OF 2

DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE=0–10% LITTLE=10–20% SOME=20–30% AND=35–50%
25								
30	0	S-1	50-52					
35								
40								
45								
50								fine to medium light brown sand
55							WT	=52'
60								

EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: Royal Guard Fence **Project No.:** 92737

Sampler Name: D. Recchia **Sample ID No.:** MW-1 (upgradient)

Date: 8/25/92 **Time:** 0845

Well pipe diameter: 2 inches

Depth to well bottom: 56.87 ft[1]

Depth to water surface: 50.89 ft[1]

Total volume: 1.02 gallons

Purge volume: 10.2 gallons

Purge method: 8-K suction lift pump (sampled with teflon bailer)

Depth to water after purging: 51.03 ft[1]

Water temperature: 12 °C

Conductivity: 710 umhos

pH: 6.32

Color: CLEAR

Turbidity: 40 NTUs

Recharge: (circle) slow (normal) fast

Odors: (circle) yes (no) **OVA/Pid reading** 0 ppm

Additional comments:

upgradient MW located along MAIN St just west of the garage doors of RGF Co.

[1] below measuring point

EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: Royal Guard Fence Project No.: 92737

Sampler Name: N. Recchia Sample ID No.: MW-2

Date: 8/25/92 Time: 1030

Well pipe diameter: 2 inches

Depth to well bottom: 57.0 ft[1]

Depth to water surface: 49.98 ft[1]

Total volume: 1.19 gallons

Purge volume: 12 gallons

Purge method: B-K suction lift pump (sampled with teflon bailer)

Depth to water after purging: 50.21 ft[1]

Water temperature: 12 °C

Conductivity: 710 umhos

pH: 6.31

Color: clear

Turbidity: 40 NTUs

Recharge: (circle) slow (normal) fast

Odors: (circle) yes (no) OVA/Pid reading 0 ppm

Additional comments:

[1] below measuring point

EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: Royal Guard Fence Project No.: 92737

Sampler Name: N. Recchia Sample ID No.: MW-3

Date: 8/25/92 Time: 1300

Well pipe diameter: 2 inches

Depth to well bottom: 57.09 ft[1]

Depth to water surface: 50.42 ft[1]

Total volume: 1.13 gallons

Purge volume: 11.4 gallons

Purge method: B-K suction lift pump (sampled with teflon bailer)

Depth to water after purging: 50.57 ft[1]

Water temperature: 12 °C

Conductivity: 820 umhos

pH: 6.17

Color: clear

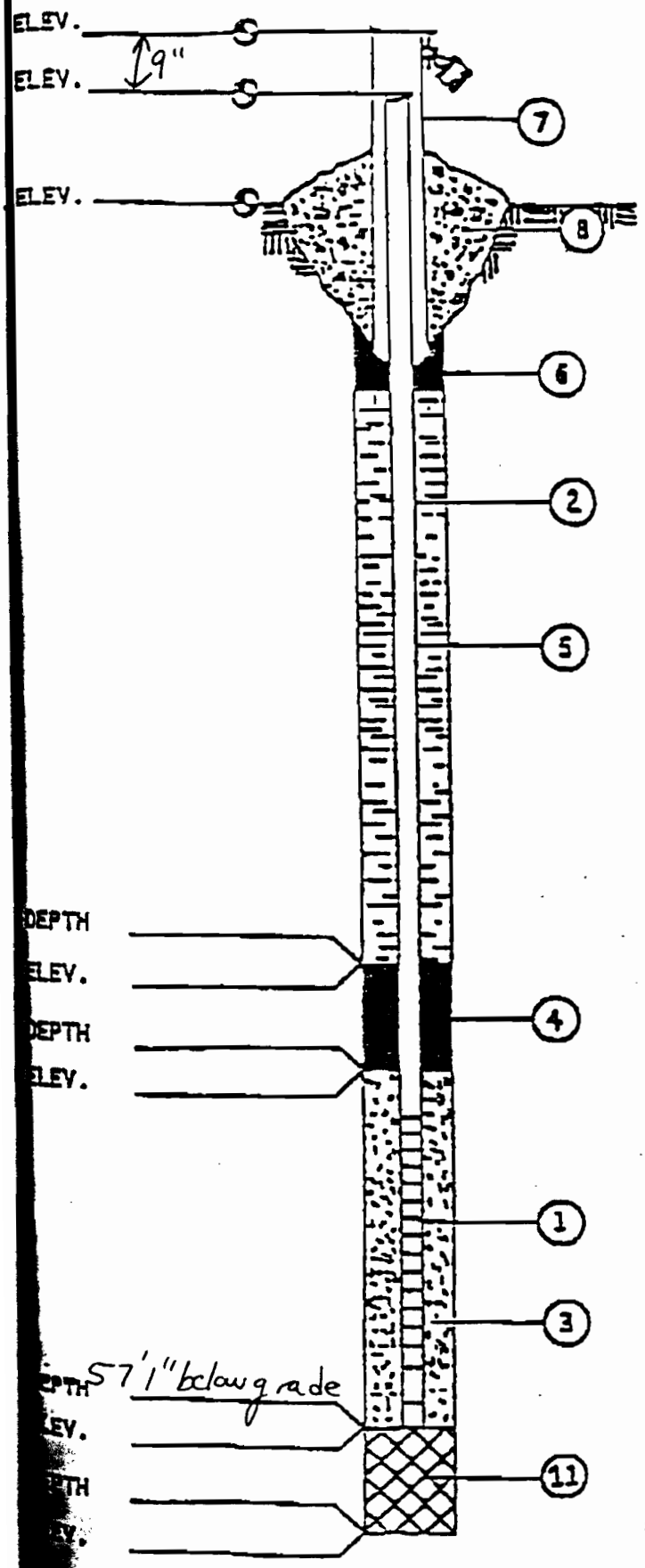
Turbidity: 50 NTUs

Recharge: (circle) slow (normal) fast

Odors: (circle) yes (no) OVA/Pid reading 0 ppm

Additional comments:

[1] below measuring point



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 92737 WELL NO. MW-3

DATE 8/7/92 TIME _____

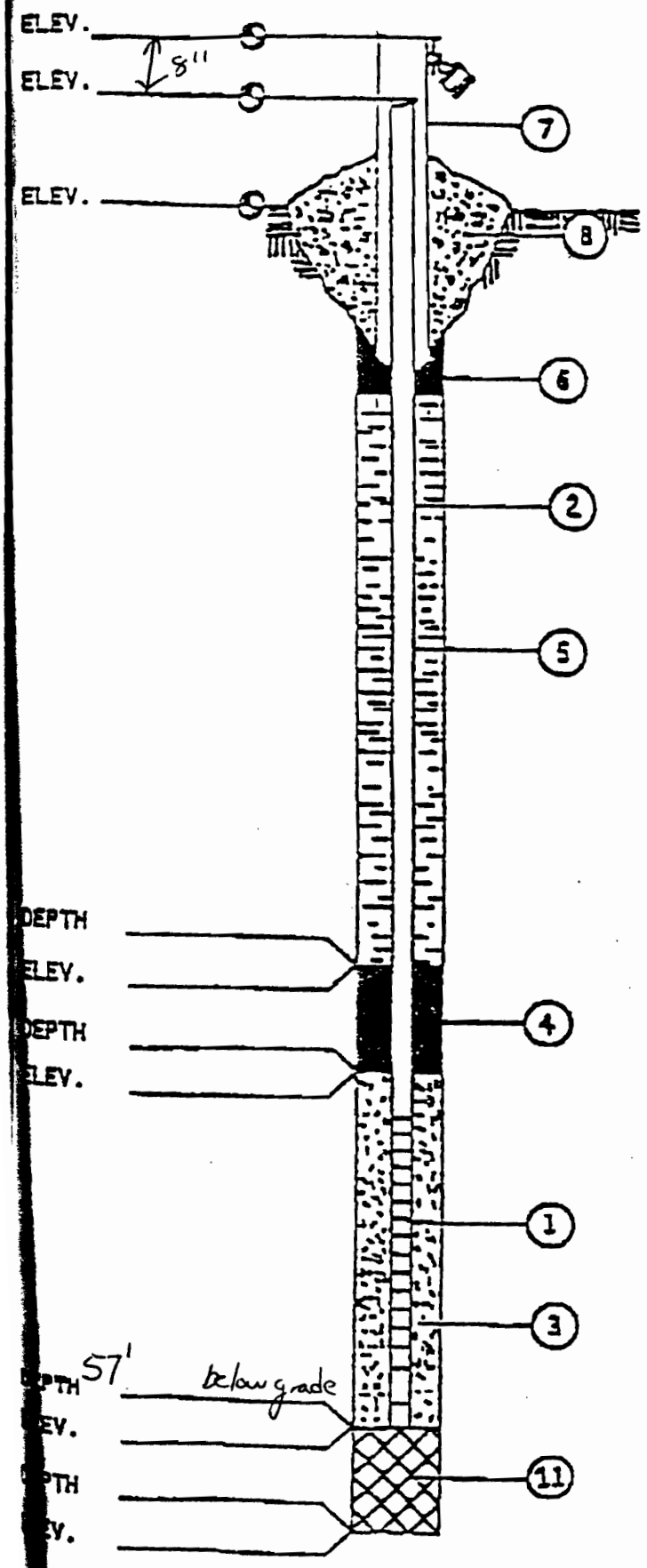
HYDROGEOLOGIST SA

DRILLING CONTRACTOR TRI-STATE DRILLING-TECHNOLOGY

1. SCREEN TYPE PVC
   SLOTTED LENGTH 10 ft.
   SLOT SIZE 0.10 in
2. SOLID PIPE TYPE PVC
   SOLID PIPE LENGTH 46 ft.
   PIPE & SCREEN DIAMETER 2" in.
   JOINT TYPE-SLIP/GLUED OR (THREADED)
3. TYPE OF BACKFILL AROUND SCREEN
   _____
4. TYPE OF LOWER SEAL (IF INSTALLED)
   —
5. TYPE OF BACKFILL natural
   HOW INSTALLED _____
6. TYPE OF SURFACE SEAL (IF INSTALLED)
   bentonite
7. PROTECTIVE CASING (YES) NO
   LOCKING CAP (YES) NO
8. CONCRETE SEAL (YES) NO
9. DRILLING METHOD HSA
10. ADDITIVES USED (IF ANY)
    —
11. TYPE OF BACKFILL natural

WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
8/7/92	1:40pm	52' below grade	during drilling
"	3:25pm	57' below grade	
8/25/92	1230	50.42	from MP



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 92737 WELL NO. MW-2

DATE 8/7/92 TIME _____

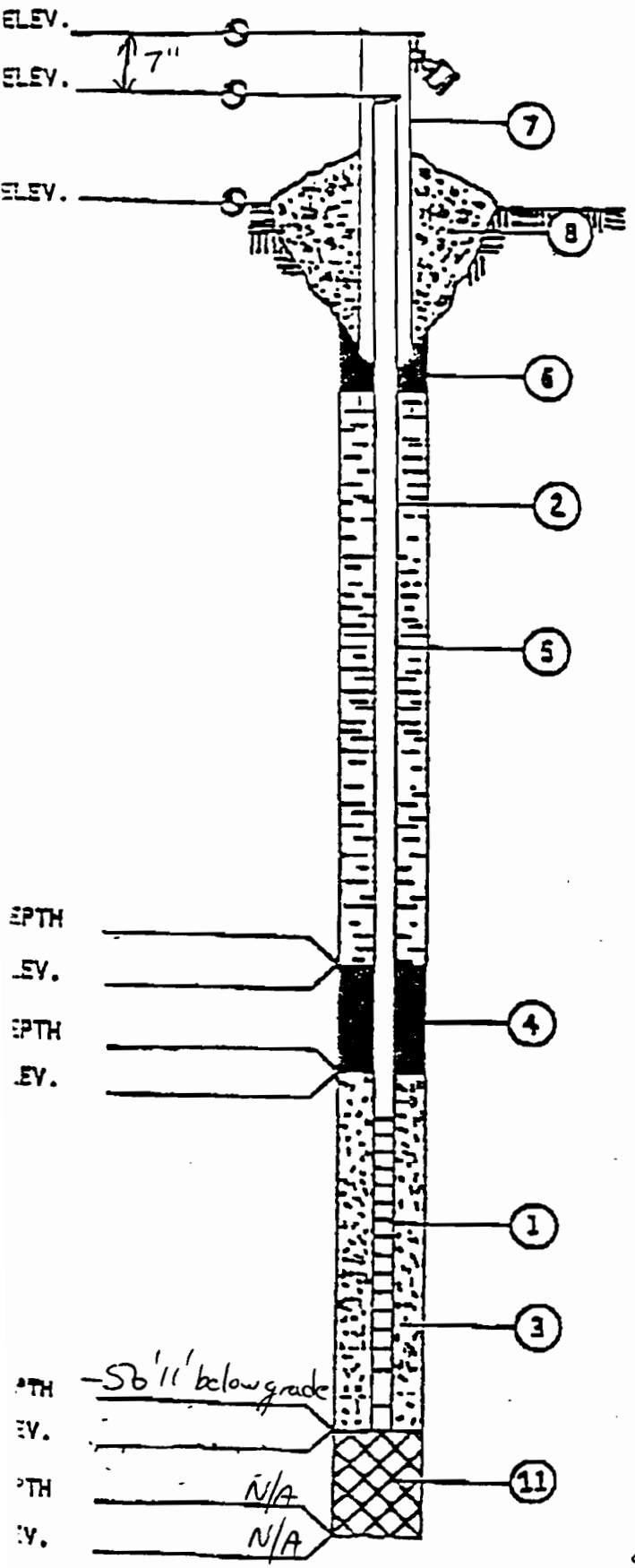
HYDROGEOLOGIST SA

DRILLING CONTRACTOR TRI-STATE DRILLING TECHNOLOGIE

1. SCREEN TYPE PVC
   SLOTTED LENGTH 10 ft.
   SLOT SIZE 0.10
2. SOLID PIPE TYPE PVC
   SOLID PIPE LENGTH 46 ft.
   PIPE & SCREEN DIAMETER 2" in.
   JOINT TYPE-SLIP/GLUED OR (THREADED)
3. TYPE OF BACKFILL AROUND SCREEN —
4. TYPE OF LOWER SEAL (IF INSTALLED) —
5. TYPE OF BACKFILL natural
   HOW INSTALLED _____
6. TYPE OF SURFACE SEAL (IF INSTALLED) bentonite
7. PROTECTIVE CASING (YES) NO
   LOCKING CAP (YES) NO
8. CONCRETE SEAL (YES) NO
9. DRILLING METHOD HSA
10. ADDITIVES USED (IF ANY) —
11. TYPE OF BACKFILL natural

WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
8/7/92	11:27am	53½" below grade	during drilling
"	2:45 pm	50'6" below grade	
8/26/92	12:05	CA-98	from MP



MONITORING WELL CONSTRUCTION INFORMATION

JOB NO. 92737 WELL NO MW-1

DATE 8/7/92 TIME

HYDROGEOLOGIST SA

DRILLING CONTRACTOR TRI-STATE DRILLING TECHNICAL

1. SCREEN TYPE PVC
   SLOTTED LENGTH 10 ft.
   SLOT SIZE 0.10
2. SOLID PIPE TYPE PVC
   SOLID PIPE LENGTH 46 ft.
   PIPE & SCREEN DIAMETER 2" in.
   JOINT TYPE-SLIP/GLUED OR (THREADED)
3. TYPE OF BACKFILL AROUND SCREEN
   —
4. TYPE OF LOWER SEAL (IF INSTALLED)
   none
5. TYPE OF BACKFILL natural
   HOW INSTALLED
6. TYPE OF SURFACE SEAL (IF INSTALLED)
   bentonite
7. PROTECTIVE CASING (YES) NO
   LOCKING CAP (YES) NO
8. CONCRETE SEAL (YES) NO
9. DRILLING METHOD HSA
10. ADDITIVES USED (IF ANY)
    —
11. TYPE OF BACKFILL natural

WATER LEVEL CHECKS

DATE	TIME	DEPTH TO WATER	REMARKS
8/7/92	8:00 am	57'6" below grade	during drilling
"	2:55 pm	57' 3" below grade	
8/25/92	0845	50.89	From MP