1-30-043

Prepared for:

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

Prepared by:

EEA, Inc.

55 Hilton Avenue Garden City, New York 11530 (516) 746-4400 (212) 227-3200

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

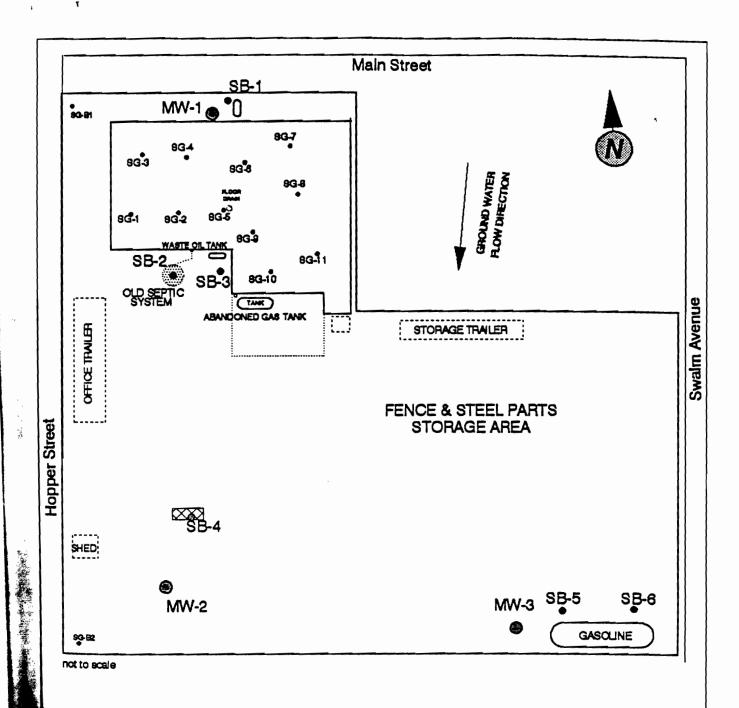
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Results of soil sampling around these tanks indicate that the soils surrounding and below the tanks have not been contaminated with petroleum hydrocarbons, gasoline, or gasoline-constituent chemicals. A summary of these results is presented in Tables 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. evidence of volatile organic chemical contamination was made. 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.

<u>Groundwater</u>

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:

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

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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	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 I	dentification	on and	Collectio	n Locati	ions	
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	D	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	DN	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

 $[\]mu g/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 $\mu g/kg/L$ = 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

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 (6inch) 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 splitspoon 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.

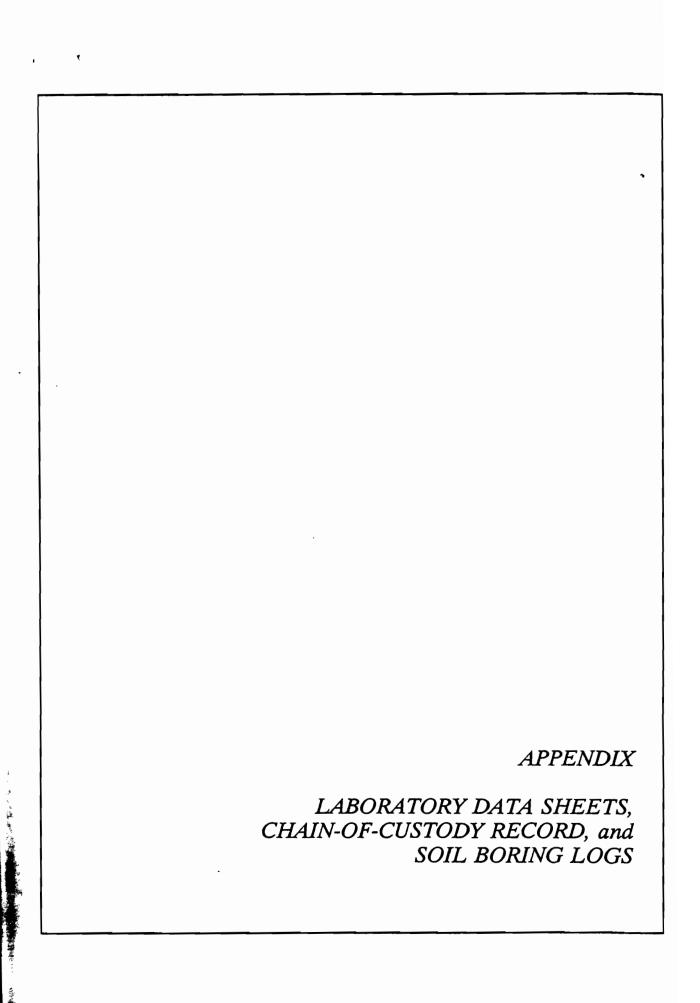
d. Quality Assurance and Control

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.



ENERGY AND ENVIRONMENTAL ANALYSTS, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

516-746-4400 212-227-3200

CHAIN OF CUSTODY RECORD

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92737	2 2 2 2 3 2 3	HOVE GUARD FENCE				A	ANALYSIS			
LABORA	TORY NA			120	50	17/20/20	///)
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MM-I	5/420845	45 Howside well # 1 - upagnotion	2	\ \		\ \				-pauldunke
C-MM	8/2/ku 1830	HOP YOK INTIL # 3	ы			\				generator
MW-3	155/12 3s	Mounday well #3	N			7				granduate
-8S	856209S		_		>					Soil
58-2	000 12/20	M SB-2 20-22 St	8	1	>	\				Soil
MW-3D	2/2/2/13	ااعب عمانومه		>		>				garand water
FB	SX/by 130	Po Field black	3			7				OT HO
58-3	8/2/2 030	28-3 5-744	-		>					2016
28-4	100 mes	10 SB-4 4-6FF	8	>	\	_				Soil
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SAMPLE	SAMPLER (SIGNITURE)	Perhalas ! Heren	10]						

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<1

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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

DATE COL'D:08/25/92 RECEIVED:08/27/92 COLLECTED BY: Client

SAMPLE: Water sample, MW-1, 0845

ANALYTICAL PARAM	ETERS		ANALYTICAL PARAM	ETERS
Chloromethane	ug/L	<1	Ethyl Benzene	ug/L
Vinyl Chloride	ug/L	<1	m + p Xylene	ug/L
Bromomethane	ug/L	<1	o Xylene	ug/L
Chloroethane	ug/L	<1	Bromoform	ug/L
Trichlorofluomethane	ug/L	<1	1122Tetrachloroethan	
11 Dichloroethene	ug/L	<1	m Dichlorobenzene	ug/L
Methylene Chloride	ug/L	<1	p Dichlorobenzene	ug/L
t-1, 2-Dichloroethene	ug/L	<1	o Dichlorobenzene	ug/L
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		

cc:

REMARKS: Analysis performed by EPA method 624.



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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

NYSDOH ID# 10320

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 PARAM	ETERS		ANALYTICAL PARAME	ETERS	
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	<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			

cc:

REMARKS: Analysis performed by EPA method 624.

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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

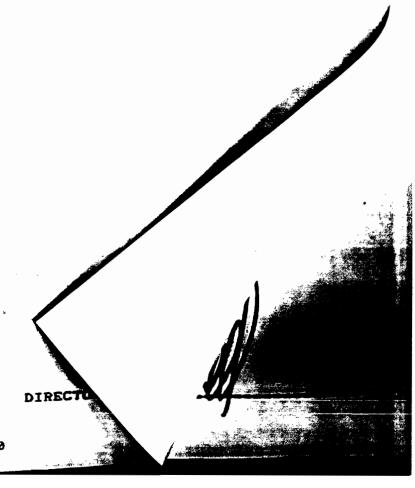
ANALYTICAL PARAMETERS

ANALYTICAL PARAMETERS

MANUEL LONG . M.		
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:



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 PARAM	ETERS		ANALYTICAL PARAM	ETERS	
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	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	_	<1			
112 Trichloroethane	ug/L	<1			
Tetrachloroethene	ug/L	48			
Chlorodibromomethane	_	<1			
Chlorobenzene	ug/L	<1			

cc:

REMARKS: Analysis performed by EPA method 624.

IRECTOR

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

Nicholas Recchia ATTN:

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

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

cc:

REMARKS:

DIRECTOR

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	0.02 9
Mercury as Hg	mg/L	<0.00025
Selenium as Se	mg/L	<0.002
Silver as Ag	mg/L	0.003

cc:

REMARKS:



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_

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 PARAMETER		ETERS	
Chloromethane	ug/Kg	<1	Ethyl Ben	zene	ug/Kg	<1
Vinyl Chloride	ug/Kg	<1	m + p Xyl	.ene	ug/Kg	<2
Bromomethane	ug/Kg	<1	o Xylene		ug/Kg	<1
Chloroethane	ug/Kg	<1	Bromoform	1	ug/Kg	<1
Trichlorofluomethane	ug/Kg	<1	1122Tetra	chloroethan	ug/Kg	<1
11 Dichloroethene	ug/Kg	<1		opeuzeue	ug/Kg	<1
Me thylene Chloride	ug/Kg	<1	p Dichlor	obenzene	ug/Kg	<1
t-1,2-Dichloroethene	ug/Kg	<1	o Dichlor	opeuzene	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	_	<1				
t 13 Dichloropropene		<1				
Toluene	ug/Kg	<1				
c 13 Dichloropropene		<1				
112 Trichloroethane	ug/Kg	<1				
Tetrachloroethene	ug/Kg	<1				
Chlorodibromomethane		<1				
Chlorobenzene	ug/Kg	<1				

cc:

REMARKS: Analysis performed by EPA method 8240.

DIRECTOR

14875

NYSDOH ID# 10320

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. ◆ N. BABYLON, N.Y. 11703 ◆ (516) 422-5777 ◆ FAX (516) 422-5770 LAB NO. C923379/5 Ø9/15/92

Energy & Environmental Analysts, Inc.

55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

MIRCE 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

Menic as As	mg/Kg	0.45
ium as Ba	mg/Kg	3.8
admium as Cd	mg/Kg	0.048
Gromium as Cr	mg/Kg	2.4
and as Pb	mg/Kg	2.3
ercury as Hg	mg/Kg	0.032
elenium as Se	mg/Kg	0.06
niver as Ag	mg/Kg	0.07
etrol. Hydrocarbons	mg/Kg	80

cc:

REMARKS:

IRECTOR____

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

TURCE 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

1ETERS		ANALYTICAL PARAME		
ug/L	<1	Ethyl Benzene	ug/L	<1
ug/L	<1	m + p Xylene	ug/L	<2
ug/L	<1	o Xylene	ug/L	<1
ug/L	<1	Bromoform	ug/L	<1
e ug/L	<1	1122Tetrachloroethan	ug/L	<1
ug/L	<1	m Dichlorobenzene	ug/L	<1
ug/L	<1	p Dichlorobenzene	ug/L	<1
e ug/L	<1	o Dichlorobenzene	ug/L	<1
ug/L	<1			
ug/L	<1	•		
ug/L	4 .			
ug/L	<1			
ug/L	<1			
ug/L	<1			
ug/L	49			
ug/L	<1			
e ug/L	<1			
ug/L	<1			
	<1			
ug/L	3			
ug/L	<1			
ug/L	<1			
ug/L	42			
ug/L	<1			
ug/L	<1			
	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	ug/L <1	ug/L <1	ug/L <1

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR____

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

IRCE 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:

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

MRCE 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 PARAM	ETERS		ANALYTICAL PARAM	ETERS	
loromethane	ug/L	<1	Ethyl Benzene	ug/L	<1
inyl Chloride	ug/L	<1	m → p Xylene	ug/L	<2
romomethane	ug/L	<1	o Xylene	ug/L	<1
iloroethane	ug/L	<1	Bromoform	ug/L	<1
richlorofluomethane	ug/L	<1	1122Tetrachloroethan	ug/L	<1
Dichloroethene	ug/L	<1	m Dichlorobenzene	ug/L	<1
ethylene Chloride	ug/L	<1	p Dichlorobenzene	ug/L	<1
-1,2-Dichloroethene	ug/L	<1	o Dichlorobenzene	ug/L	<1
l Dichloroethane	ug/L	<1			
hloroform	ug/L	<1			
lli Trichloroethane	ug/L	<1			
arbon Tetrachloride	ug/L	<1			
enzene	ug/L	<1			
2 Dichloroethane	ug/L	<1			
richloroethene	ug/L	<1			
2 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			
12 Trichloroethane	ug/L	<1			
etrachloroethene	ug/L	<1			
Morodibromomethane	ug/L	<1			
lorobenzene	ug/L	<1			

cc:

REMARKS: Analysis performed by EPA method 624.

DIRECTOR_____

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

IRCE OF SAMPLE: Royal Guard Fence, Project No. 92737

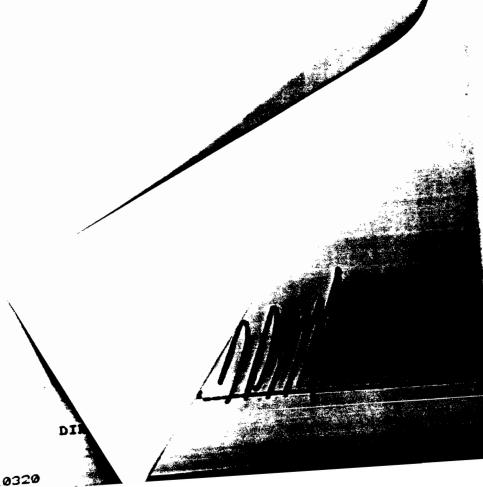
COLLECTED BY: Client DATE COL'D:08/25/92 RECEIVED:08/27/92

SAMPLE: Water sample, Field Blank, 1300

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

cc:

REMARKS:



NYSDOH ID# 10320

4000

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

DURCE 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

NYSDOH ID# 10320

14881

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 ANALYTI		ANALYTICAL PARAM	ICAL PARAMETERS		
oromethane	ug/Kg	<1	Ethyl Benzene	ug/Kg	<1
yl Chloride	ug/Kg	<1	m + p Xylene	ug/Kg	<2
momethane	ug/Kg	<1	o Xylene	ug/Kg	<1
oroethane	ug/Kg	<1	Bromoform	ug/Kg	<1
chlorofluomethane	ug/Kg	<1	1122Tetrachloroethan	ug/Kg	<1
Dichloroethene	ug/Kg	<1	m Dichlorobenzene	ug/Kg	<1
hylene Chloride	ug/Kg	<1	p Dichlorobenzene	ug/Kg	<1
,2-Dichloroethene	ug/Kg	<1	o Dichlorobenzene	ug/Kg	<1
Dichloroethane	ug/Kg	<1			
oroform	ug/Kg	<1			
Trichloroethane	ug/Kg	<1			
on Tetrachloride	ug/Kg	<1			
iene	ug/Kg	<1			
Mchloroethane	ug/Kg	<1			
hloroethene	ug/Kg	<1			
ichloropropane	ug/Kg	<1			
odichloromethane	ug/Kg	<1			
goethvinylether	ug/Kg	<1			

CC:

enzene

eÿ6

Dichloropropene ug/Kg

dibromomethane ug/Kg

Ehloroethene

Dichloropropene ug/Kg <1 Michloroethane ug/Kg <1

REMARKS: Analysis performed by EPA method 8240.

<1

<1

< 1

<1

<1

ug/Kg

ug/Kg

ug/Kg

4882 NYSDOH ID# 10320

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

RCE 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

senic as As	mg/Kg	0.33
rium as Ba	mg/Kg	2.1
idmium as Cd	mg/Kg	0.011
romium as Cr	mg/Kg	0.81
ad 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
trol. Hydrocarbons	mg/Kg	<10

cc:

REMARKS:

DIRECTOR

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (516) 422-5777 • FAX (516) 422-5770 09/15/92 LAB NO. C923379/10

Energy & Environmental Analysts, Inc.

55 Hilton Ave.

Garden City, NY 11530

ATTN: Nicholas Recchia

OURCE 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

CIERS	
ug/Kg	<5
ug/Kg	<5
ug/Kg	<5
ug/Kg	<10
ug/Kg	<5
ug/Kg	<5
	ug/Kg ug/Kg ug/Kg ug/Kg ug/Kg

cc:

REMARKS:

DIRECTOR

CO EST 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

TURCE 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

enzene	ug/Kg	<5
Toluene	ug/Kg	<5
Ethyl Benzene	ug/Kg	<5
+ p Xylene	ug/Kg	<10
Xylene	ug/Kg	<5
ter. ButylMethylEther	ug/Kg	<5

cc:

REMARKS:

DIRECTOR_____

55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE 6	8-2!	5-92							SHEET OF
CLIENT	Ro	yal Gu	ARD F	ence					BORING NO: SB-(
PROJEC	CT LOCATIO	ON: 55	D MA	in 5t.	Wes	tbur.	1 124		PROJECT NOF 12737
REMAR	KS:	HiAKENT.	10 5	00 gailo	2 fuel	oil	YANK .		
**		7							
DRILLIN	G CONTRA	CTOR: TE;	- StAt	e Tech	LC	GGED B	Y: (P)	DRILLE	R: GC
EQU	JIPMENT	SOIL SA	MPLER	AUGER			OR WELL SPEC		DRILL RIG
-				Ι σ Δ	CA	SING	SCREEN	COVER	
	YPE		SPOON	H5A	4-	-		 	Mobil
	SIZE		20	41/4 4					B-50
	E ELEVATION	on: NA		SURFACE CON	NDITIONS:	Asp	halt		HSA
WATER		SAM	PI E INEOP	MATION					
	READINGS	NUMBER	DEPTH	MATION MOISTURE	STRATA	7		RIPTION & OBS	SERVATIONS
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE	8-2	5-92							SHEET OF	
CLIENT:	Ra	1AL GU	ard T	- ويورو					BORING NO: $SB-2$	
PROJEC	T LOCATE	on: 5	50 M	Air St.	We	stbu	ed by		PROJECT NO: 92737	2
REMAR	KS:	located	theorah	od so	اد عه	ز اه	filled i	in d At	parbored	
			J							
DRILLING	G CONTRA	CTOR: TR	i-Slate	· Deilline	1	OGGED B	Y: P	DRILLE	R: 6C	
501	JPMENT	901 91	MPLER	AUGER		MONIT	OR WELL SPECIF	TCATIONS	DRILL RIG	
	MEINICIAI	301237	Wir Car	NOGEN	C	ISING	SCREEN	COVER	DRILL METHOD	
Г	YPE	SPLT	SPOON	HSA					Mobil	
<u> </u>	IZE	STE	20	41/40				<u> </u>	B-50	
	E ELEVATION			SURFACE CON	NDMONS:	CON	crefe		HSA	_
WATER I	OVA	JA SAM	PLE INFORM	MATION	OTT AT		201 2525	TTON 1 OCC	CENATIONS	_
To the same	READINGS	NUMBER	DEPTH	MOISTURE	STRATA	Cove	SOIL DESCRI		DETVATIONS	_
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	12	5-8	15-17		17.5			V		
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				dry		80	B@2	4 51		
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE	<u>80</u>	25-92							s	HEET \ OF \
CLIENT	Ka	IAL GU	SSA	Fence					BORIN	19 No:58-3
PROJEC	CT LOCATIO			IAIN ST	W	estb	DRY NY		PROJE	CT NO.92737
REMAR	iks: A	diacent			TANK		· ·			
		4								
DRILLIN	G CONTRA	CTOR: TZ	- 54A	de Dzilli	LY L	OGGED B	Y: (12)	DRILLE	R: 6	SC
	"C. 15. 65	227 24			0	MONIT	OR WELL SPECI	FICATIONS		DRILL RIG
EQU	JIPMENT	SOIL SA	WPLEH	AUGER	CA	SING	SCREEN	COVER		DRILL METHOD
T	YPE	SPUT	SPOON	HSA_		_				Mobil
s	IZE	STD	24	41/44						B-50
	E ELEVATIO			SURFACE CON	NDMONS:	CO	ncrete			HSA
	LEVEL:		OLC INFOC	MANAN						
	READINGS	NUMBER	PLE INFOR		STHATA			PTION & OBS	ERVAT	TONS
0	1	5-1	1.5-2	dey			2276 -3			•
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

CLIENT: ROJA GUAZÓ FELCE PROJECT LOCATION: 550 MAIN ST. Nestbury. NY PROJECT NO. 2787 REMARKS: DOPINE HANCE CENTRE OF DEPTH. ACTION OF MELL SPECIFICATIONS DRILLING CONTRACTOR: TE. Shelp Drilling LOGGED BY: ID DRILLER: CC EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL HIG TYPE SPLIT SPOON HSA — — MADO: 1 SIZE STD 41/4 & B-50 SURFACE ELEVATION: PA SURFACE CONDITIONS: Assmall HSA WATER LEVEL: — BEPTH MOISTURE STRATA SOIL DESCRIPTION & OBSERVATIONS 0 1/5 S-1 0-2 WET BIR /BRY FINE SAMD LITTLE 5 5 5-3 4-6 HAST BRY / PARCE 20 10 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	DATE	8-2	5-92							SHEET OF
REMARKS: DORING thrush center of dequell, depth to bottom All Sampling from dequell bottom DRILLING CONTRACTOR: TZI-SIAND DEILLING EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL RIG TYPE SPLIT SPOON HSA — MONTOR WELL SPECIFICATIONS DRILL RIG DRILL RIG CASING SCREEN COVER DRILL RIGHT MOS (1) 87-50 SURFACE ELEVATION: PA SURFACE CONDITIONS: As MATH WATER LEVEL: MONTOR SAMPLE INFORMATION DEPTH READINGS NUMBER I DEPTH MOISTURE STRATA DEPTH READINGS NUMBER I DEPTH MOISTURE BIE/BRY FINE SAMPL (1+1) BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDIT	CLIENT:	R	LAK	STAZO	Ferre					BORING NO: 58-4
REMARKS: DORING thrush center of dequell, depth to bottom All Sampling from dequell bottom DRILLING CONTRACTOR: TZI-SIAND DEILLING EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL RIG TYPE SPLIT SPOON HSA — MONTOR WELL SPECIFICATIONS DRILL RIG DRILL RIG CASING SCREEN COVER DRILL RIGHT MOS (1) 87-50 SURFACE ELEVATION: PA SURFACE CONDITIONS: As MATH WATER LEVEL: MONTOR SAMPLE INFORMATION DEPTH READINGS NUMBER I DEPTH MOISTURE STRATA DEPTH READINGS NUMBER I DEPTH MOISTURE BIE/BRY FINE SAMPL (1+1) BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDITIONS BIE/BRY FINE SAMPL (1+1) BRANC SAMPLE NECONDITIONS BRANC SAMPLE NECONDIT	PROJEC	T LOCATIO	_,		1	We	stb	URY N	4	PROJECT NO:92737
AT SANDING FROM degred bottom DRILLING CONTRACTOR: TRI-State Drilling Logged BY: DP DRILLER: &C EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL RIG DRILL RIGHTON MOST TYPE SPLIT SPOON HSA — — — MOG! 1 SUZE STD 4'44 B SURFACE CONDITIONS: Ashart HSA WATER LEVEL: — SAMPLE INFORMATION STRATA SOIL DESCRIPTION & OBSERVATIONS DEPTH READINGS NUMBER DEPTH MOISTURE STRATA SOIL DESCRIPTION & OBSERVATIONS DEPTH READINGS NUMBER DEPTH MOISTURE STRATA SOIL DESCRIPTION & OBSERVATIONS BIE/BRY FINE SAMPL 1:41c SAMPL 1:41	REMAR	KS:	Deline 4	haigh	center o					ten = 9.57
DRILLING CONTRACTOR TO TO SOIL SAMPLER AUGER EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL RIG		/14	SAMOTINE	y fein	demel	1 1				
EQUIPMENT SOIL SAMPLER AUGER CASING SCREEN COVER DRILL RIG DRILL R	DRILLIN	G CONTRA	CTOR: TE	-State	Drilling	_ اده	GGED B	Y: (P)	DRILLE	R: GC
TYPE SPLIT SPOON HSA — — MOBILITY SIZE STD 4/44 BURFACE ELEVATION: UA SURFACE CONDITIONS: ASMALT HSA WATER LEVEL: ~ SAMPLE INFORMATION STRATA SOIL DESCRIPTION & OBSERVATIONS 0 /5 S-1 0-2 WET BLE /BEPT FINE SAMD. Leaves, Asphart ect. 8 S-2 2-4 Mast BRYACE 5 5 S-3 4-6 Mast BRYACE 10 SAMPLE INFORMATION STRATA SOIL DESCRIPTION & OBSERVATIONS BLE /BEPT FINE SAMD Little grave(8 S-2 2-4 Mast BRYACE 8 SPD/M F-M SAND Little grave(9 9 9-00000000000000000000000000000000							MONITO	OR WELL SPECIF	TCATIONS	
SIZE STD 4/46 SURFACE ELEVATION: PA SURFACE CONDITIONS: ASMATH WATER LEVEL: 7 DEPTH ROVA NUMBER DEPTH MOISTURE STRATA SOIL DESCRIPTION & OBSERVATIONS O 15 S-1 O-2 WET BIE/BRY Five SAND. 1:41e B S-2 2-4 Mast BREN/TN F-M SAND 1:41e grave(5 S S-3 4-6 Mast BREN/TN F-M SAND 1:41e g'rine(10 SOBORDON A OBSERVATIONS BIE/BRY Five SAND. 10 SAMPLE INFORMATION SOIL DESCRIPTION & OBSERVATIONS BIE/BRY Five SAND. 10 SAMPLE INFORMATION SOIL DESCRIPTION & OBSERVATIONS BIE/BRY F-M SAND. 10 SAMPLE INFORMATION BIE/BRY F-M SAND 1:41e grave(SOBOR 6-54		JIPMEN I	SOILS	AMPLEH	AUGER	CAS	SING	SCREEN	COVER	DRILL METHOD
SURFACE ELEVATION: µA SURFACE CONDITIONS: ASMAH WATER LEVEL: ~ DEPTH ROVA SAMPLE INFORMATION STRATA SOIL DESCRIPTION & OBSERVATIONS O 15 S-1 0-2 WET BIR / BRPH MOISTURE B S-2 2-4 HAST BRPH/N F-M SAND 1:HIR grave! 5 S S-3 4-6 HAST BRPH/N F-M SAND 1:HIR grave! EDBO 6-5+	Т	YPE	SPLIT	SPOON	HSA		•			Mabil
WATER LEVEL: 70 DEPTH READINGS NUMBER DEPTH MOISTURE STRATA SOIL DESCRIPTION & OBSERVATIONS 0 /5 S-1 0-2 WET BIE/BRH FINE SAND, leaves, Asphaltect. 8 S-2 2-4 Mast 5 S S-3 4-6 Hast 10 SBSERVATION & OBSERVATIONS BIE/BRH FINE SAND, leaves, Asphaltect. 8 S-2 2-4 Mast BRH/TH F-M SAND little gravel 8 S-3 4-6 Hast 8 SBS 6-5+ 8 SBS 6-5+	s	IZE	57	G	41/4 4					
WATER LEVEL: TO SAMPLE INFORMATION DEPTH READINGS NUMBER DEPTH MOISTURE STRATA O 15 S-1 O-2 WET BIE/BRN Fire SAHD, leaves, Asphalted. BS-2 2-4 Hast BRN/TN F-M SAND little grave(BRN/TN F-M SAND little grave(SCOBOO 6-5+	SURFACE	E ELEVATIO	DN: PA		SURFACE CON	IDITIONS:	Asp	halt		HSA
DEPTH READINGS NUMBER DEPTH MOISTURE SHALL SUBJECT SINGLA SUBCLUSALITION & OBSERVATIONS O 15 S-1 O-2 WET BIE/BRY Fire SAHD. (eaues, Asphalfect. BRY/N F-M SAND little grave) BRY/N F-M SAND little g'rave) EOBO 6-5+			- 641	ADI E INEAC	PMATION:					
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE	2-2	5-92						SHEET / OF /
CLIENT:	R	XAI 6	NARD	Ferce			ВО	RING NO:92737
PROJEC	TLOCATI	on: 50	1 00	1AIN ST	•		PRO	DIECT NO: SB-5
REMAR	KS:	Adjac	445	0 4000	SALLON C	gasolin	e tank	58-6
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EQU	JIPMENT	SOIL SA	MPLER	AUGER		OR WELL SPECIA	COVER	DRILL RIG DRILL METHOD
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WATER						SPAILCI		
	OVA READINGS	NUMBER	PLE INFOR	MATION	STRATA	SOIL DESCRI	PTION & OBSER	VATIONS
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE	8/-	7/9a							SHEET" / OF 2
CLIENT:	R	DYAL C	ward	FENCE				В	ORING NO: MW-/
PROJEC	T LOCATIO	OEZ :NC	MA	N ST	•			PI	ROJECT NO: 42737
REMARI	KS: /'n	stall	first	of 3	Deri	nase	at no	ritoring L	rells-
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						MONIT	OR WELL SPECIF	CATIONS	DRILL RIG
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. s	IZE		-	61/40	â	2 4	24	84	B-50
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1.5 5-3 30-2 35 brown medium sa 45 WT =57.5'	GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM TO	MOISTURE	SLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE =0-10% LITTLE=10-20% SOME=20-30% AND=35-50%
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE		7/92							SHEET / OF 2
CLIENT	ROY	AL GU	AND F	-EWCE				ВОР	RING NO: MW-2
PROJEC	T LOCATIO	ON: 530	MAIN	ST. WEST	BURY	<u> </u>		PRO	WECT NO: 92737
REMAR	KS: / n S	stallation	<u>~ - Sc</u>	cond of	3	per	manent	monitori	ne wells -
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	E ELEVATION			SURFACE CON	DMONS:	par	ement		HSA
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	READINGS	NUMBER	DEPTH	MOISTURE	STRATA	25.	SOIL DESCRIE	PTION & OBSERV	ATIONS
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HTF3C WOLDE GRADE	OVA READINGS	TYPE AND Na.	OEPTH FROM - TO	MOISTURE	BLOW / 6" OR CORE TIME	SAMPLE RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE =0-10x UTTLE=10-20X SOME=20-30% AND=35-50%
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55 HILTON AVENUE, GARDEN CITY, NEW YORK

DATE	8/7/	92							SHEET /OFO
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REMAR									
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50	JIPMENT	SON S	AMPLER	AUGER		MONIT	OR WELL SPECE	FICATIONS	DRILL RIG
		30.237		AOGER .	C#	SING	SCREEN	COVER	DRILL METHOD
Т	YPE	SPUT	SPOON	<u>HSA</u>	P	1C	PJC	FWSH	Mobil
	SIZE	575		61/44	1 a	}φ	24	24	B-50
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	OVA	52'	IPLE INFOR	RMATION I		-			
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DEPTH BELOW GRADE	OVA READINGS	TYPE AND No.	DEPTH FROM - TO	MOISTURE	SLOW / 6° OR CORE TIME	RECOVERY	STRATA DEPTH / ELEV.	DESCRIPTION AND REMARKS TRACE -0-10X UTILE=10-20X SOME=20-30X AND=35-50X
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EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: Royal Goved Fence Project No.: 92737
Sampler Name: D. Rerchia Sample ID No.: MW-1 (upgendient)
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 ft1
Total volume: 1.02 gallons
Purge volume: 10.2 gallons
Purge method: B-K suction lift purp (sampled with tellow bailer)
Depth to water after purging: 51.03 ft
Water temperature: 12 °C
Conductivity: 7/0 umhos
рн: 6.32
Color: CHAR
Turbidity: 40 NTUs
Recharge: (circle) slow normal fast
Odors: (circle) yes no OVA/Pid reading ppm
Additional comments:
upgradient MW located along Main St just west of the
garage doors of RGF (O.

¹ below measuring point

EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: Royal Goald Ferce Project No.: 92737
Sampler Name: V. Recchia Sample ID No.: MW-2
Date: 8/25/92 Time: 1030
Well pipe diameter: inches
Depth to well bottom: 57.0 ft1
Depth to water surface: 49.98 ft1
Total volume: /./9 gallons
Purge volume: 12 gallons
Purge method: B-1K sochow lift purp (sampled with teflow barker)
Depth to water after purging: 50.21 ft1
Water temperature: 12 °C
Conductivity: 710 umhos
pH: <u>6.3/</u>
Color: CleAR
Turbidity: 40 NTUs
Recharge: (circle) slow normal fast
Odors: (circle) yes no OVA/Pid reading ppm
Additional comments:

¹ below measuring point

EEA, Inc.

Groundwater Sampling Data Sheet

Project Name: ForAl GURED FONCE Project No.: 92737
Sampler Name: N. Recchia Sample ID No.: MW-3
Date: 8/25/92 Time: 1300
Well pipe diameter: inches
Depth to well bottom: 57.09 ft ¹
Depth to water surface: 50.42 ft1
Total volume: ///3 gallons
Purge volume: //. 4 gallons
Purge method: B-K suction lift pump (sampled with teflow barter)
Depth to water after purging: 50.57 ft1
Water temperature: 12 °C
Conductivity: 820 umhos
pH: 6.17
Color: c/eAR
Turbidity: 50 NTUs
Recharge: (circle) slow normal fast
Odors: (circle) yes no OVA/Pid reading ppm
Additional comments:

¹ below measuring point

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<u> </u>	MONITORING WELL CONSTRUCTION INFORMATION
EV. 19"	JOB NO. 92737 WELL NO. MW-3
	DATE 8/7/92 TIME
	HYDROGEOLOGIST_SA
	DRILLING CONTRACTOR TRISTATE DRILLING TECHNOLIC
	1. SCREEN TYPE P/C
	SLOTTED LENGTH
	SLOT SIZE 0-10 IN
	2. SOLID PIPE TYPE PUC
	SOLID PIPE LENGTH 46 ft.
	PIPE & SCREEN DIAMETER 2" In.
	JOINT TYPE-SLIP/GLUED OR THREADED
티티	3. TYPE OF BACKFILL AROUND SCREEN
	4. TYPE OF LOWER SEAL (IF INSTALLED)
	- THE OF LOWER SEAL (THE INSTALLED)
目目	5. TYPE OF BACKFILL harral
	HOW INSTALLED
日日	
	6. TYPE OF SURFACE SEAL (IF INSTALLED)
en -	bentonite
LEV.	7. PROTECTIVE CASING YES NO
	LOCKING CAP YES NO
EPTH	8. CONCRETE SEAL YES NO
	9. DRILLING METHOD HSA
	10. ADDITIVES USED (IF ANY)
	11. TYPE OF BACKFILL My trap
	TI. THE CP BACKFILL PIG TOPAC
	•
	WATER LEVEL CHECKS
57 1" belong ade	DATE TIME DEPTH TO WATER REMARKS
Ey. :: 17.	8/7/42 1:40pm 52 belongrade during drilling 11 3:25pm 57 belongrade \$\delta \frac{1230}{2} \frac{50.42}{2} \frac{\text{Fron HP}}{2}
TH (11)	11 3:25pm 57 below grade
	#25/62 1230 50.42 From HP
	40 X(-10- 10-2- -

و عد م	
ELEV.	MONITORING WELL COMMISSION
ELEV. 8"	JOB NO. 92737 WELL NO. 17 W
	DATE 8/7/92 TIME
ELEV.	HYDROGEOLOGIST_SA
	DRILLING CONTRACTOR TRESPIE DRILLING TECHNOLOGIE
	1. SCREEN TYPE PUC
	SLOTTED LENGTH 10 ft.
6	SLOT SIZE 0.10
	2. SOLID PIPE TYPE PUC SOLID PIPE LENGTH 46 1+.
	PICE I COSENI DI INCOME O 17
	JOINT TYPE-SLIP/GLUED OR THREADED
	3. TYPE OF BACKFILL AROUND SCREEN
	4. TYPE OF LOWER SEAL (IF INSTALLED)
	5. TYPE OF BACKFILL hahral
二日	HOW INSTALLED
티터	
目目	6. TYPE OF SURFACE SEAL (IF INSTALLED)
DEPTH	<u>bentonite</u>
ELEV.	7. PROTECTIVE CASING YES NO
DEPTH 4	LOCKING CAP YES NO
ELEV.	8. CONCRETE SEAL YES NO 9. DRILLING METHOD HSA
新	10. ADDITIVES USED (IF ANY)
	11. TYPE OF BACKFILL hatral
高田 初	
3 P	WATER LEVEL GUIDANA
57 telongrade	DATE TIME DEPTH TO WATER REMARKS
EV. 11	
TH (1)	8/7/92 11-27am 532"below grade during drilling; 11 2:45 pm 50'6"below grade 8/25/12 12:05 CQ-98 -From MP
v. ————————————————————————————————————	8/25/62 2:25 CQ-93 -FEDN MP

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ELEV	17" 5	1 (2)	MONITORING WELL CONSTRUCTION INFORMATION JOB NO. 92737 WELL NO M INFORMATION
- 1	المسر	•••	DATE 8/7/8 TIME HYDROGEOLOGIST
ELEY	S		DRILLING CONTRACTOR TRI-STATE DRILLING TEXAMI
		الم والم	1. SCREEN TYPE PVC SLOTTED LENGTH /()
			SLOT SIZE 0.10
	目		2. SOLID PIPE TYPE PVC SOLID PIPE LENGTH 46 ft
	닭		PIPE & SCREEN DIAMETER 2 in.
			JOINT TYPE-SLIP/GLUED OR THREADED
	텀		3. TYPE OF BACKFILL AROUND SCREEN
	国	3	4. TYPE OF LOWER SEAL (IF INSTALLED)
			5. TYPE OF BACKFILL ratual
	目	目	HOW INSTALLED
			6. TYPE OF SURFACE SEAL (IF INSTALLED)
EPTH			<u>bentonik</u>
EV.			7. PROTECTIVE CASING YES NO LOCKING CAP YES NO
:PTH		4)	8. CONCRETE SEAL YES NO
.EY.			9. DRILLING METHOD HSA
			10. ADDITIVES USED (IF ANY)
			11. TYPE OF BACKFILL hatual
Am.	-50 11 belongrade :		WATER LEVEL CHECKS
ATH T	- Jacob Grade	倒	DATE TIME DEPTH TO WATER REMARKS
ΉΓ°	N/A X	≈ —11	8/7/92 8:00 am 57'6" belongrade during drilling 11 2:55 pm 57'3" belon grade 8/25/92 0845 50.89 From MP
iy.	N/A	\bowtie	8/25/22 0845 50.89 FROM MP
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