Formerly Utilized Sites Remedial
Action Program (FUSRAP)

Maywood Chemical Company Superfund Site

ADMINISTRATIVE RECORD

Document Number

MISS- 023.

US Army Corps
of Engineers®

DOE/OR/20722-153

CHARACTERIZATION REPORT FOR THE
NEW JERSEY VEHICLE INSPECTION STATION PROPERTY
LODI, NEW JERSEY

JUNE 1987

Prepared for

UNITED STATES DEPARTMENT OF ENERGY
OAK RIDGE OPERATIONS OFFICE
Under Contract No. DE-AC05-81OR20722

By

N. C. Ring and S. K. Livesay
Bechtel National, Inc.
Oak Ridge, Tennessee

Bechtel Job No. 14501

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

ABBREVIATIONS

cm	centimeter
cm^2	square centimeter
cpm	counts per minute
dpm	disintegrations per minute
ft	foot
h	hour
in.	inch
l	liter
l/min	liters per minute
m	meter
m^2	square meter
μR/h	microroentgens per hour
mi	mile
mi^2	square mile
mrad/h	millirad per hour
mrem	millirem
mrem/yr	millirem per year
min	minute
pCi/g	picocuries per gram
pCi/l	picocuries per liter
WL	working level

1.0 INTRODUCTION AND SUMMARY

1.1 INTRODUCTION

The 1984 Energy and Water Appropriations Act authorized the U.S. Department of Energy (DOE) to conduct a decontamination research and development project at four sites, including the site of the former Maywood Chemical Works (now owned by the Stepan Company) and its vicinity properties. The act was reauthorized in 1985. DOE has constructed the Maywood Interim Storage Site (MISS) on 11.7 acres of land west of the Stepan Company property. The New Jersey Vehicle Inspection Station property is included as one of the Maywood vicinity properties (Figure 1-1). The work is being administered by the Formerly Utilized Sites Remedial Action Program (FUSRAP), one of two remedial action programs under the direction of the DOE Division of Facility and Site Decommissioning Projects.

The U.S. Government initiated FUSRAP in 1974 to identify, clean up, or otherwise control sites where low-activity radioactive contamination (exceeding current guidelines) remains from the early years of the nation's atomic energy program or from commercial operations that resulted in conditions Congress has mandated DOE to remedy (Ref. 1).

FUSRAP is currently being managed by the DOE Oak Ridge Operations Office (ORO). As the Project Management Contractor (PMC) for FUSRAP, Bechtel National, Inc. (BNI) is responsible to DOE for planning, managing, and implementing FUSRAP.

1.2 PURPOSE AND OBJECTIVES

A radiological characterization of the New Jersey Vehicle Inspection Station (NJVIS) property has been conducted to establish the horizontal and vertical limits of radioactive contamination and to determine ranges of radionuclide concentrations. The information obtained from this characterization work will be used in planning

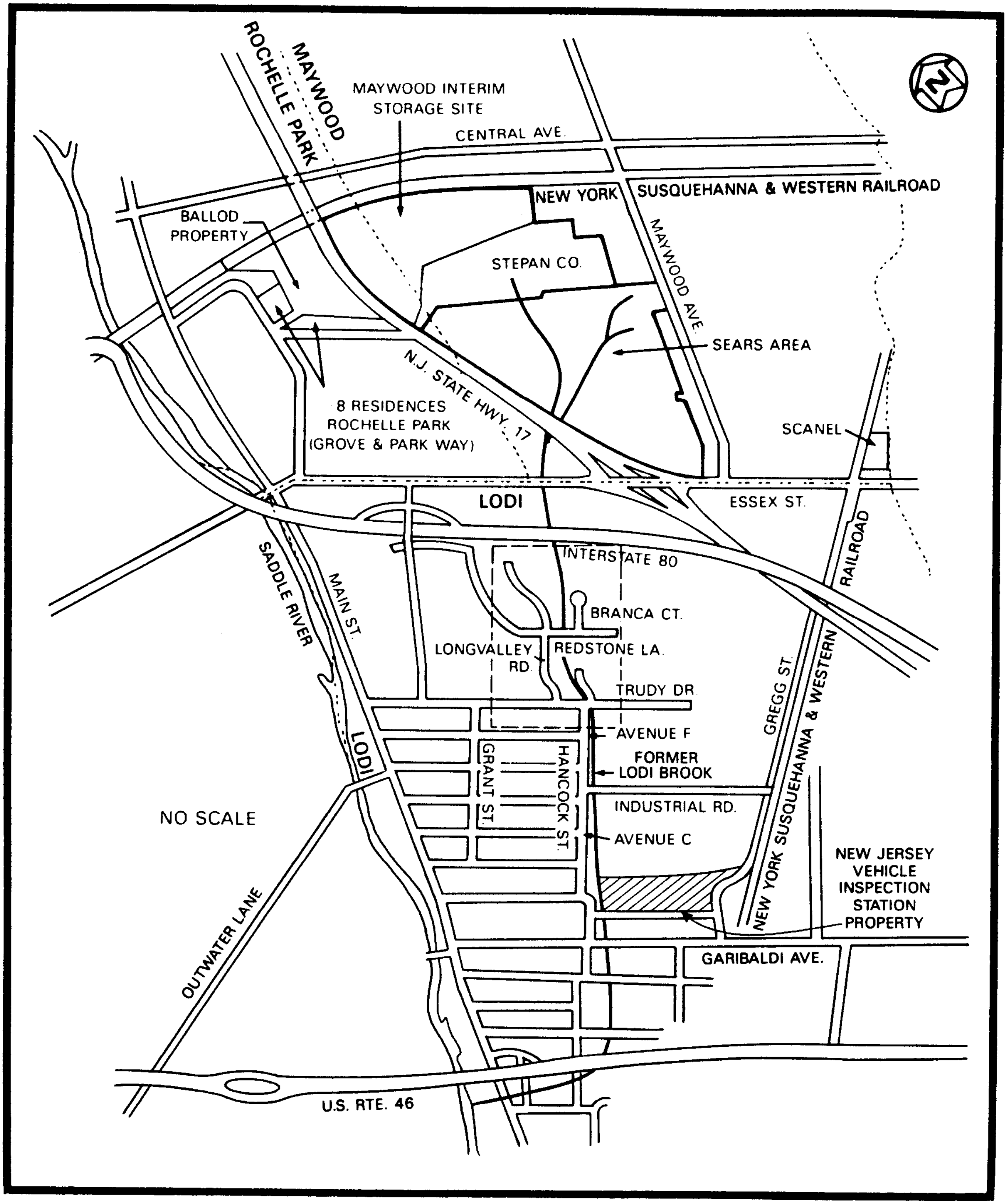


FIGURE 1-1 LOCATION OF THE MAYWOOD INTERIM STORAGE SITE, THE FORMER LODI BROOK, AND THE NEW JERSEY VEHICLE INSPECTION STATION

any required remedial action. The results will also be used to satisfy an important secondary objective, which is to provide data to aid in the identification and evaluation of pathways by which contamination might have migrated from the property.

1.3 SUMMARY

This report summarizes the procedures and results of the radiological characterization of the NJVIS property conducted in July and December 1986 and the additional characterization work performed in February 1987.

The radiological characterization confirmed that thorium-232 is the primary radioactive contaminant. The surface soil sample results showed the maximum concentration of thorium-232 to be 12.5 pCi/g, which is in excess of the DOE guideline of 5.0 pCi/g plus background of 1.0 pCi/g for surface soils. The maximum concentration for radium-226 was 1.6 pCi/g above background, which does not exceed the guideline. The maximum uranium-238 concentration was less than 14.3 pCi/g above background, but no site-specific DOE guidelines for uranium have been established.

The results of downhole gamma logging indicate subsurface contamination at depths ranging from 1 to 7 ft.

2.0 SITE DESCRIPTION AND BACKGROUND

The New Jersey Vehicle Inspection Station (NJVIS) is located in a highly developed area of the Borough of Lodi, County of Bergen, New Jersey. The population density of the area is approximately 10,000 people per square mile. It is located approximately 12 mi north-northwest of downtown Manhattan (New York City) and 13 mi northeast of Newark, New Jersey. The property (14.3 acres) is bordered on the north by Hancock Street, the south by Gregg Street, the east by another commercial property, and the west by Columbia Lane (Figure 2-1).

The NJVIS property was shown to be radioactively contaminated during a radiological survey conducted in August 1984 by the Oak Ridge National Laboratory (ORNL) at the request of DOE (Ref. 2). The available data indicates that the contamination originated from the processing of monazite sand (thorium ore) by the Maywood Chemical Works from 1916 through 1956. During this time, slurry containing process wastes from the thorium operations was pumped to diked areas west of the plant. The area west of the plant was generally low and swampy at that time. In 1932, New Jersey Route 17 was built through this disposal area. Some of these process wastes were removed from the Maywood Chemical Works for use as mulch and fill on nearby properties, thereby contaminating them with radioactive thorium (Ref. 3). Additional waste apparently migrated off-site via the natural drainage provided by the former Lodi Brook.

In 1954, the Atomic Energy Commission (AEC) issued License R-103 to the Maywood Chemical Works allowing it to continue to ship, receive, possess, and process radioactive materials under the authority of the Atomic Energy Act of 1954. The Maywood Chemical Works stopped processing thorium in 1956 after approximately 40 years of production. The Maywood Chemical Works was sold to the Stepan Company in 1959 (Ref. 3).

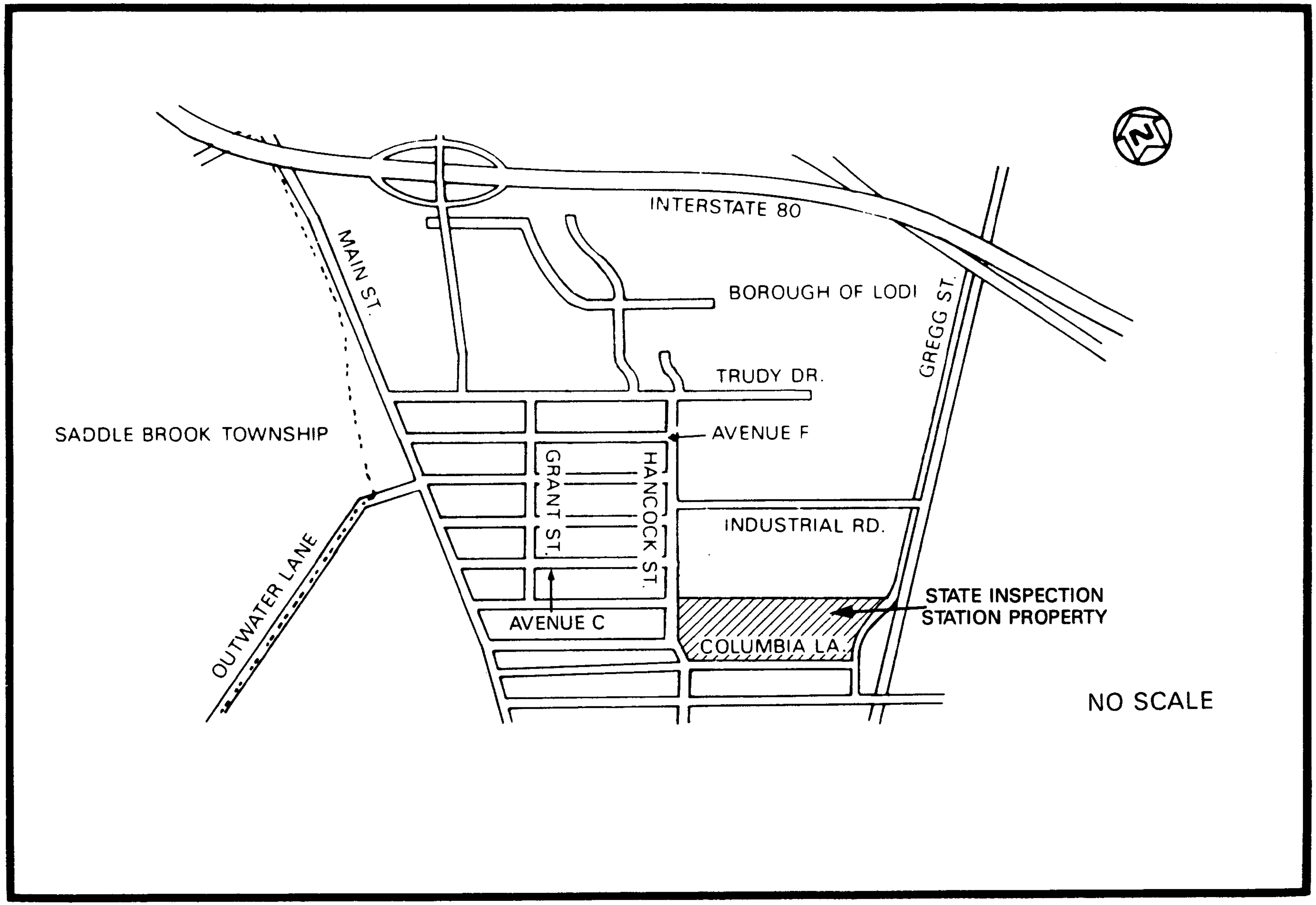


FIGURE 2-1 LOCATION OF THE NEW JERSEY STATE VEHICLE INSPECTION STATION PROPERTY

3.0 RADIOLOGICAL CHARACTERIZATION

To provide sufficiently detailed information regarding the limits of radioactive contamination and to provide data for the development of cost-effective measures for any potential remedial action, both surface and subsurface investigations were performed.

To facilitate the collection of data in a systematic manner, a 50-ft grid was established over the area to be characterized. This grid was correlated with the New Jersey state grid system to ensure that it could be reestablished if remedial action is undertaken. All data correspond to coordinates on the characterization grid.

3.1 REMEDIAL ACTION GUIDELINES

Information collected during the radiological survey conducted by ORNL (Ref. 2) indicated that the radioactive contamination at the NJVIS property consists primarily of thorium-232, with typically much lower levels of radium-226 and uranium-238. Thorium is also known to be the primary contaminant at the MISS (Ref. 3). Table 3-1 lists the DOE residual contamination guidelines governing the release of formerly contaminated property for unrestricted use (Ref. 4).

3.2 SURFACE CHARACTERIZATION

Surface characterization was conducted with a shielded gamma scintillation detector. Near-surface gamma radiation measurements were taken 12 in. from the ground at the grid line intersections spaced 10 ft apart. The shielded detector was used to ensure that radiation detected by the probe originated from the ground directly beneath the unit. By shielding against lateral gamma flux, the shielded detector minimizes possible sources of error in the measurements. Furthermore, this detector was calibrated at the Technical Measurements Center (TMC) in Grand Junction, Colorado, to provide a correlation of counts per minute (cpm) to picocuries per gram (pCi/g). Based on this relationship, locations with measurements of more than 11,000 cpm were noted as exceeding the DOE guideline of 5 pCi/g for thorium-232 in surface soils. To better define the limits of contamination, soil sampling locations were chosen by evaluating locations with measurements of more than 11,000 cpm, locations with measurements at or near 11,000 cpm, and the potential for lateral gamma flux. The sampling locations are shown in Figure 3-1. It should be noted that not all surface soil samples indicated contamination because some samples were taken from locations where the gamma measurement was at or near the guideline. The data in Table 3-2 show the maximum concentration of thorium-232 to be 12.5 pCi/g, which exceeds the DOE guideline for surface soils. Use of the "less than" ($<$) notation indicates that the radionuclide was not present in measurable concentrations. The value following the less than notation is the minimum detectable amount (MDA). The MDA is based on various factors, including the volume, size, and weight of the sample; the type of detector used; the counting time, and the background count rate. In addition, since radioactive decay is a random process, a correlation between the rate of disintegration and a given radionuclide concentration cannot be precisely established; therefore, the exact concentration of the radionuclide cannot be determined. As such, each value that is equal to or greater than the MDA has an associated uncertainty term ($\pm$), which represents the maximum amount by which the actual value can be expected to differ from the value given in the table. The uncertainty term has an associated confidence level of 95 percent.

The maximum concentration of radium-226 was 1.6 pCi/g, which is within the guideline. The maximum concentration of uranium-238 was less than 14.3 pCi/g, but no site-specific DOE guideline for uranium in soil has been established.

Although the concentrations for uranium-238 have higher values than thorium-232 concentrations, thorium-232 is considered the primary contaminant. As shown in Table 3-1, the guidelines for thorium-232 are 5 pCi/g for surface soil and 15 pCi/g for subsurface soil. Although no specific guidelines have been determined for

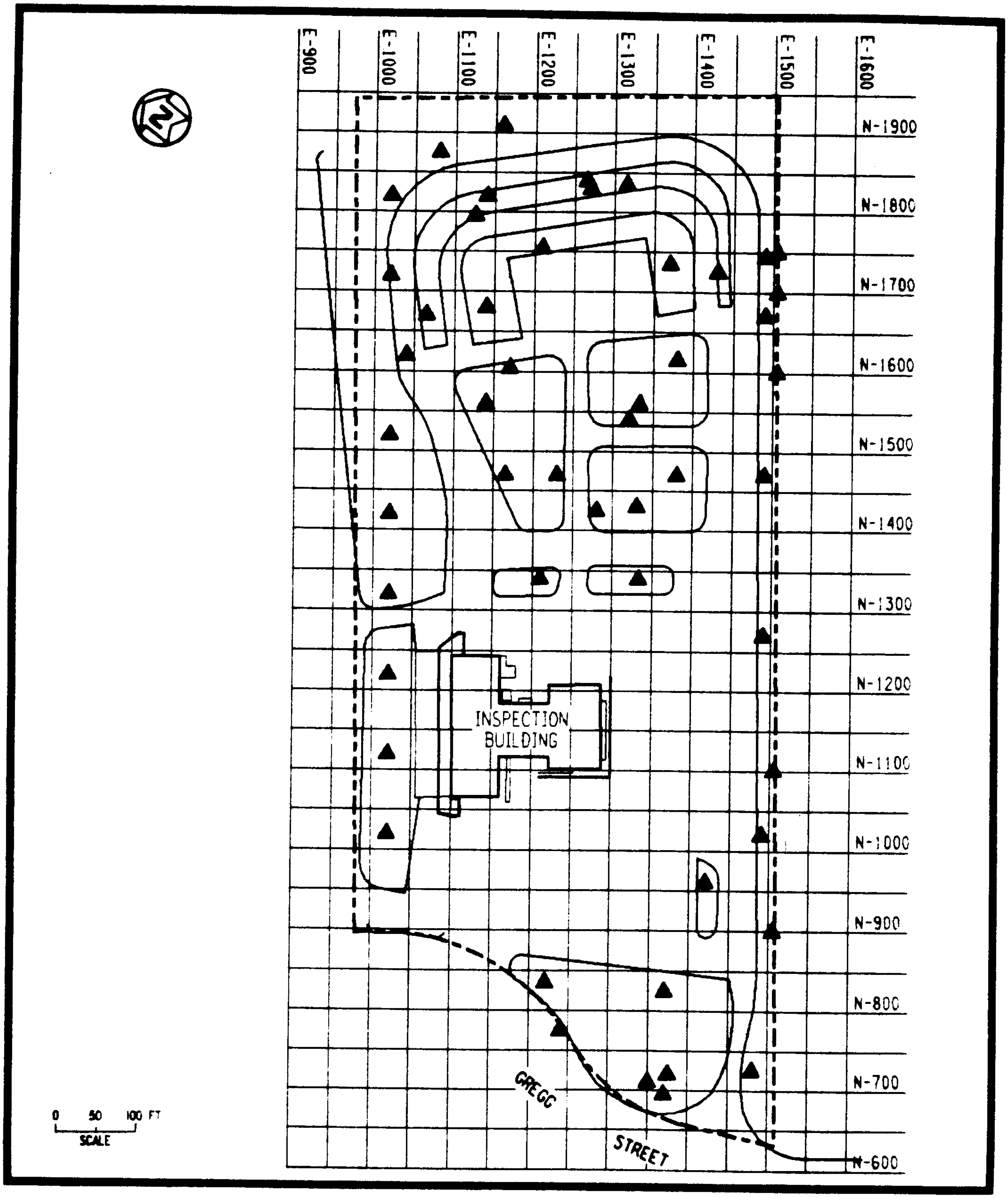


FIGURE 3-1 SURFACE SOIL SAMPLING LOCATIONS AT THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

uranium-238, using a typical (as opposed to a site-specific) value to calculate the guideline would result in a guideline of approximately 75 pCi/g. Because the measured concentrations of thorium-232 exceed its guidelines by a greater percentage than uranium-238, thorium-232 is considered the primary contaminant.

Analysis of the surface soil sample taken at Coordinates E1210, N1340 indicated the presence of cesium-137 at a concentration of 12 pCi/g. This appears to be an isolated occurrence as no evidence of cesium was found in other radiological samples. No explanation for the presence of this radionuclide has been determined.

The largest area of surface contamination exists north and east of the NJVIS building beginning at the property boundaries (north, east, and west) and extending southward to within approximately 150 ft of the building (Figure 3-2).

Additional small areas of surface contamination exist near the southeastern corner of the property near Gregg Street and near the northeastern corner of the NJVIS building. Areas of surface contamination are shown in Figure 3-2.

3.3 SUBSURFACE CHARACTERIZATION

After surface characterization was completed, a subsurface investigation was conducted to determine the depth of previously identified surface contamination and to locate subsurface contamination with no surface manifestation. The subsurface investigation was conducted using downhole gamma logging of the drill holes. This technique is significantly more cost effective than soil sampling, because the procedure can be completed more quickly and eliminates the need for laboratory analysis.

A 2-in. by 2-in. sodium iodide gamma scintillation detector was used to perform the downhole logging. The instrument was calibrated at TMC, where it was determined that a count rate of approximately 40,000 cpm corresponds to the 15-pCi/g guideline for thorium-232 in

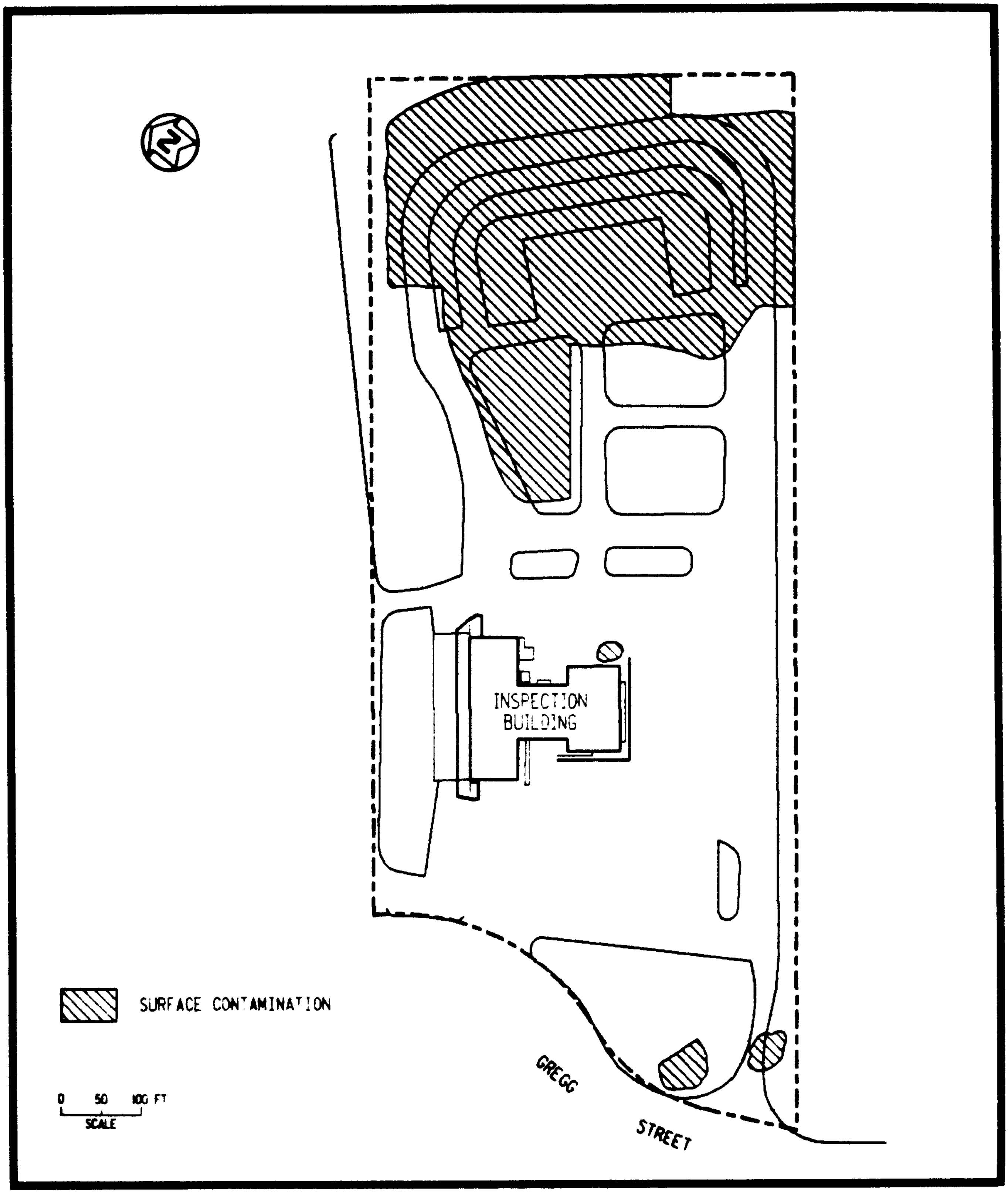


FIGURE 3-2 AREAS OF SURFACE CONTAMINATION AT THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

subsurface soils. This relationship has been corroborated in results from previous characterizations where thorium-232 was found (Ref. 5). However, analysis of trends and marginal readings is necessary to predict the contamination boundaries.

During the course of the subsurface investigation, 113 radiological boreholes were drilled (Figure 3-3) and gamma logged to determine the depth of radioactive contamination. Detailed gamma logging data are presented in Table 3-3.

As shown in Figure 3-4, the largest area of subsurface contamination exists in the same location as surface contamination (north and east of the NJVIS building). The depths of this contamination range from 1 to 7 ft. Contamination is believed to have resulted primarily from stream sediment deposition and possibly from fill emplacement. This belief is based on information obtained during additional drilling activities conducted to better define the location of the original Lodi Brook streambed. It was determined that the streambed flowed through the northern section of the property. Radiological and geological data can be used to infer the streambed location on the basis of the presence of stream sediments and their degree of contamination. A logical assumption would be that the original streambed was probably located where the deepest and most contaminated stream sediments are found. Lodi Brook currently flows through a buried conduit in the northern section of the property. The conduit is parallel to Hancock Street (Figure 3-5).

Geological information regarding the location of the former Lodi Brook streambed also indicates that the exposed relic channel (Coordinates E1500, N1800, approximately) was not incised but rather was a broad, open channel, and contamination is not evenly distributed (Figure 3-6). This offers further explanation as to why some gamma logs from boreholes in or near the channel indicate concentrations below guidelines. It also explains why so little fill was needed to bring the concave channel up to its present grade. Fill depths in the former streambed vary from 0 to 6 ft.

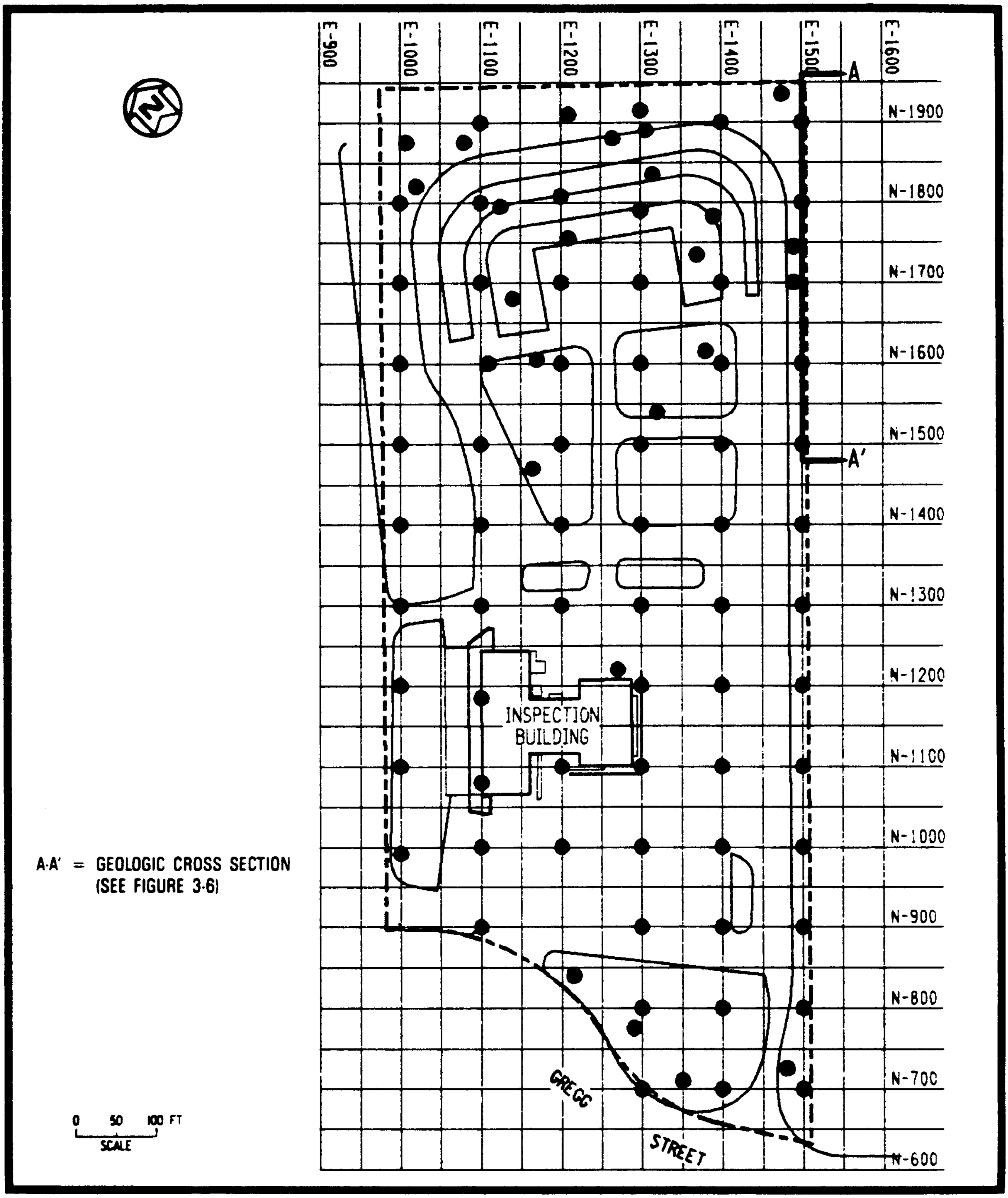
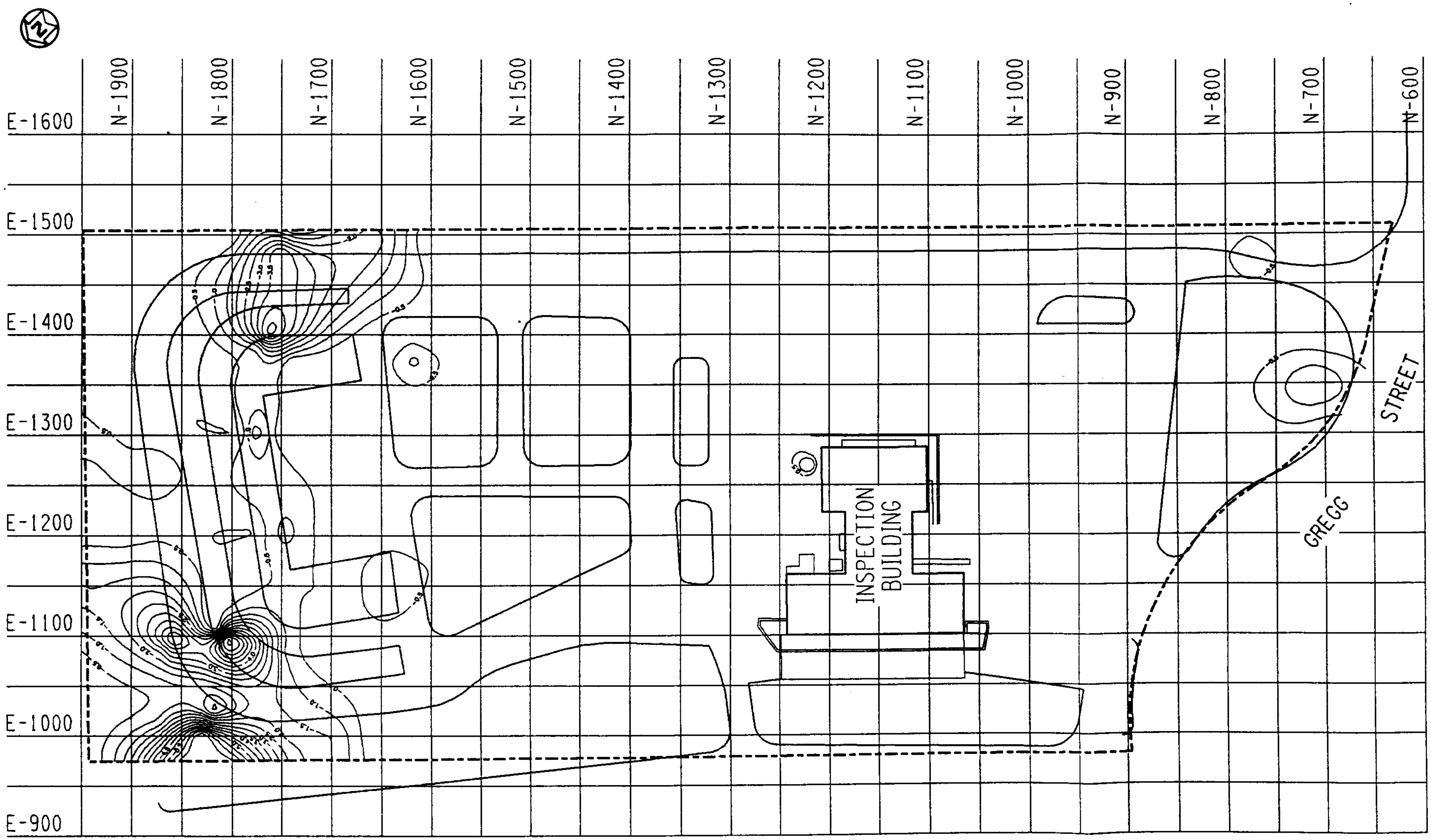


FIGURE 3-3 BOREHOLE LOCATIONS AT THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY



NOTE: ALL DEPTHS ARE INDICATED IN FEET ON CONTOUR LINES

FIGURE 3-4 CONTOURS OF SUBSURFACE CONTAMINATION AT THE NEW JERSEY VEHICLE STATION INSPECTION PROPERTY

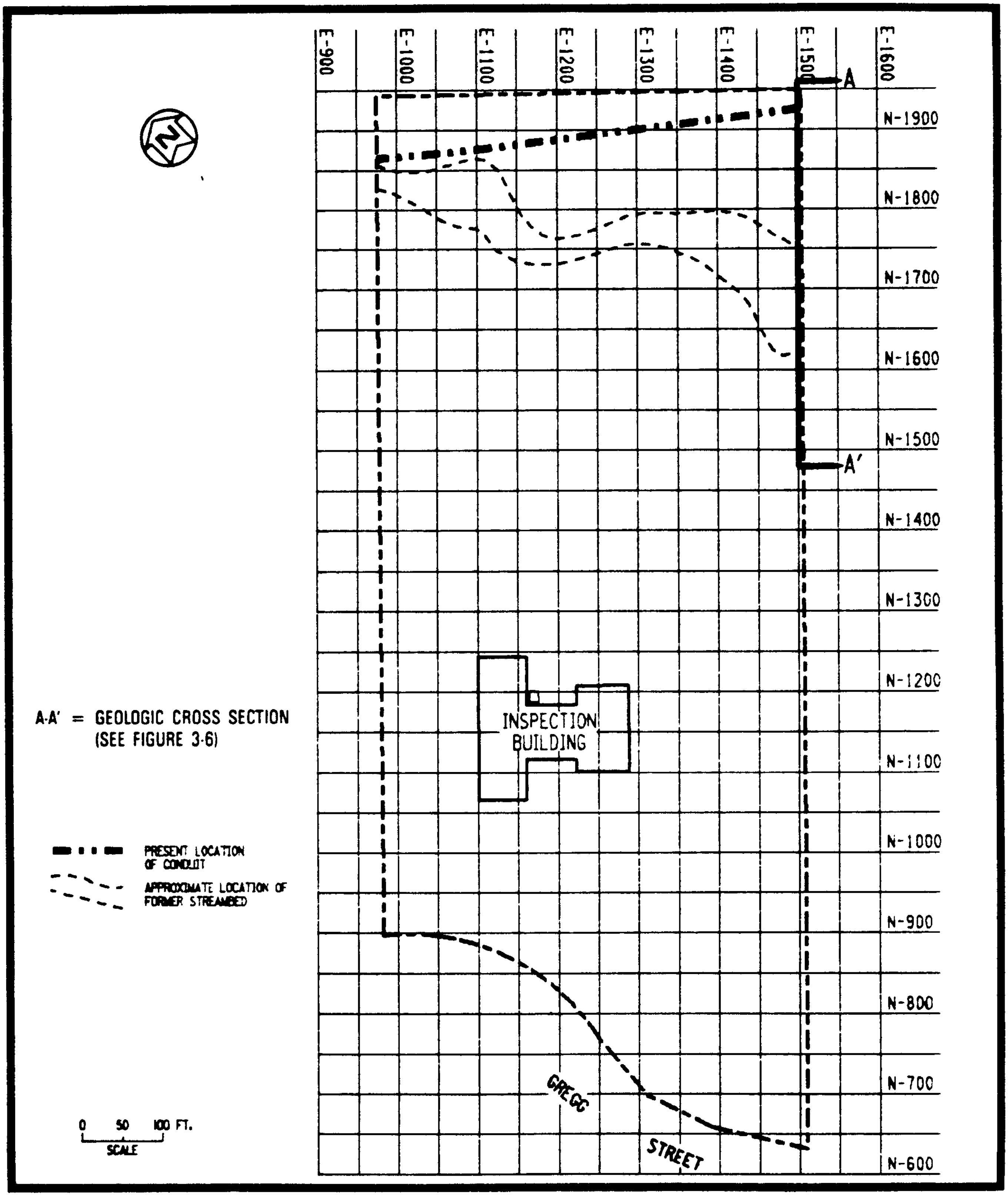


FIGURE 3-5 LOCATIONS OF THE PRESENT LODI BROOK (CONDUIT) AND THE ORIGINAL STREAMBED

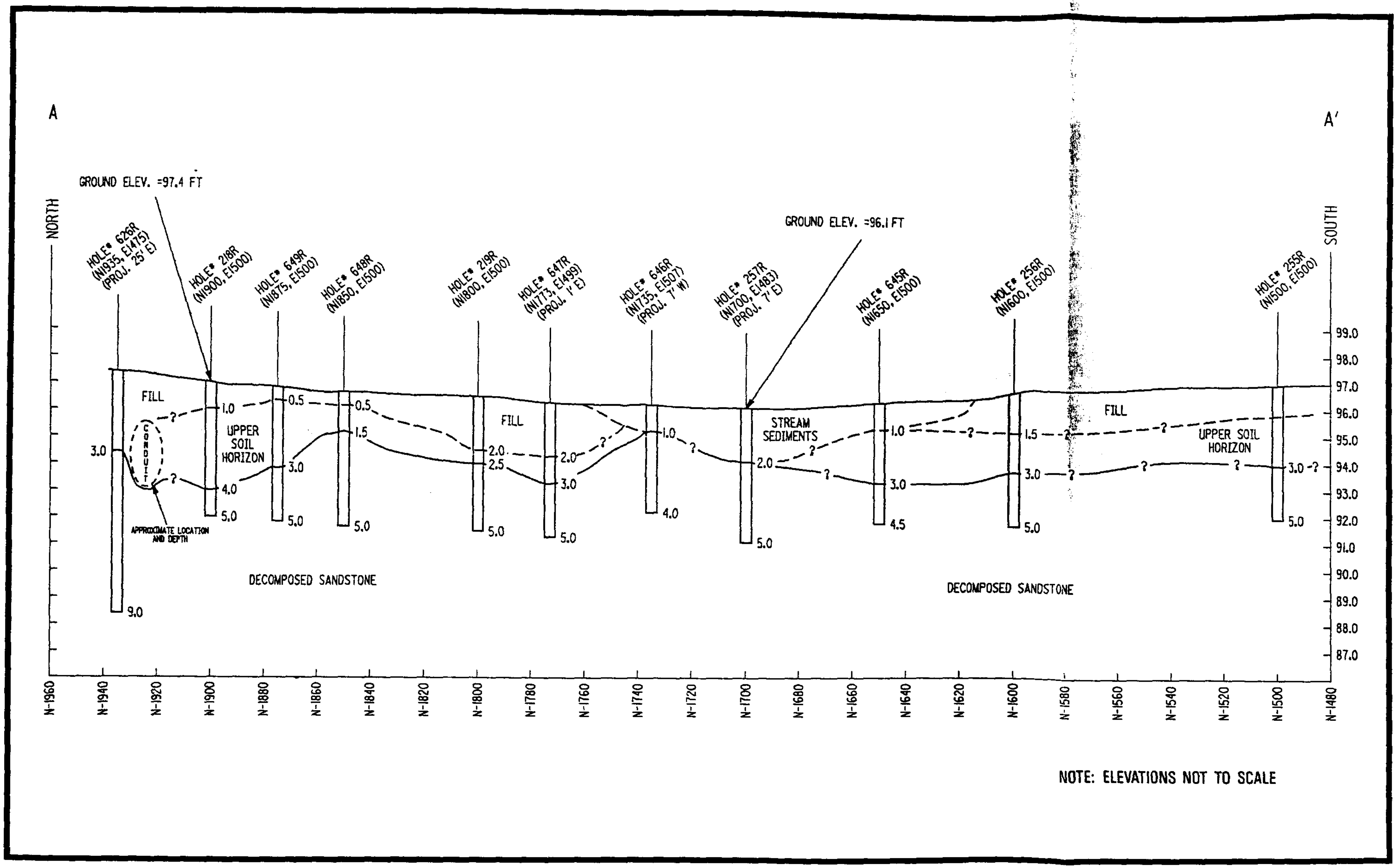


FIGURE 3-6 GEOLOGIC CROSS SECTION OF THE FORMER LODI BROOK STREAMBED

These fill depths conform to the natural 1-percent grade of the former streambed. The shallowness of fill (moved indigenous soil) also explains why the fill is so thoroughly contaminated with underlying black, thorium-bearing stream sediments. The former streambed and the present conduit converge in the northwestern corner of the property with contamination indicated above the conduit. Although drilling data in this area suggest that this contamination is mostly surficial, it may extend around the conduit in the northwestern corner of the property. Contamination appears to trend off the property to the north under Hancock Street as well as to the east and west toward properties contiguous with the NJVIS property.

Subsurface contamination (0.5 to 1.0 ft) found in a small area near the northeastern corner of the NJVIS building (Figure 3-3) is thought to result from fill emplacement. Contamination is not thought to exist beneath the building itself for four reasons: (1) no other areas of subsurface contamination were found either adjacent to or in close proximity to the building; (2) no subsurface contamination was indicated by any of the near-surface measurements taken close to the building; (3) the building may be founded on bedrock; no contamination has been found in any of the boreholes that have penetrated bedrock in this area (depth of bedrock is approximately 6 ft in this area), and the bedrock in this area has an extremely low primary hydraulic conductivity; and (4) interior exposure rate measurements were all within background levels. On the basis of this information, drilling inside the building was considered unnecessary and therefore was not performed.

The presence of subsurface contamination (0.5 to 1.5 ft) was also indicated in the southeastern corner of the property near Gregg Street (Figure 3-4) in an area where surface contamination is also present.

On the basis of geological information gained as a result of the borehole drilling during this characterization, it was determined that the property is relatively flat (total measured relief of

6.7 ft) and is underlain in most areas by at least two types of soil, fill, and naturally occurring sediments over the red, consolidated sandstone of the Brunswick Formation. There are competent sandstone outcrops in the southeastern section of the property. The sandstone layer extends beneath the surface of the property from depths of as much as 6 ft facing northwest toward the NJVIS building to depths greater than 20 ft below the surface in the central and northwestern areas of the property.

Unconsolidated materials of dark yellowish brown sandstone covered by a moderately brown, residual sandy soil are present in the slightly higher areas of the property. Three soil sequences are present in the low-lying areas of the property. The property south of the NJVIS building has a soil sequence of decomposed sandstone covered by a thin lens (1 to 2 ft) of black silty organic soil. These materials are buried by 1 to 3 ft of fill. In the area north of the NJVIS building, exposed black organic silt overlying decomposed Brunswick sandstone delineates the original Lodi Brook channel and its floodplain. Black silt is also present under the surrounding lawn, suggesting that stream sediment was taken from the channel and used as topsoil. The third type of soil sequence appears in many areas throughout the property and is represented by fill placed on top of indigenous brown soil.

In addition to the building, the property is presently covered with asphalt parking lots, roadways, and a grass lawn. A 3-ft-high berm exists in the northern section (drivers education area) of the property (along Coordinate N1775 and between Coordinates E1150 and E1350). The fill used on the property is primarily residual soil transported from higher elevations on the property. Areas with thick accumulations of fill include the berm in the drivers education area (6 ft), the original Lodi Brook channel (6 ft), the conduit through which the brook presently flows (5 to 7 ft), and locations of the property's drainage pipes (approximately 5 ft).

North of the NJVIS access road, surface water drains through three evenly spaced grates directly into the Lodi Brook conduit. The remainder of the site is drained to the south by a series of surface drains and a buried pipeline. Immediately south of the berm in the drivers education area, this drainage system is ineffective; surface soil in this area is nearly saturated. Groundwater levels are shallowest (6 to 8 ft) in the northern and eastern sections of the property with mid-property levels at depths greater than 10 ft, suggesting a northeast to southwest gradient.

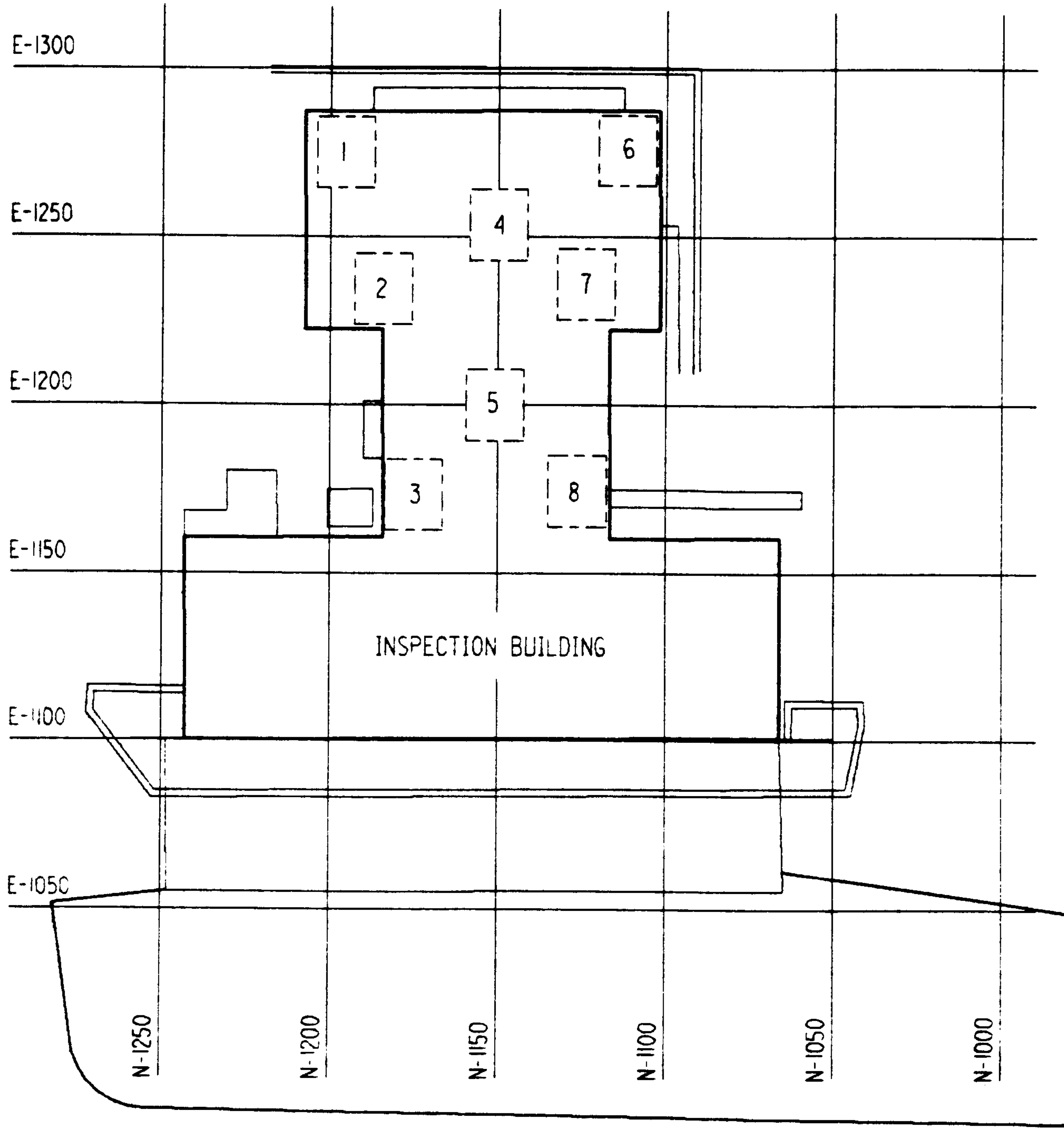
Along the eastern property boundary, a linear 10-ft-wide drainage sump is the only nonburied portion of the former Lodi Brook channel between the Saddle River and Interstate 80. Fill has been placed on both sides of this drainage sump, and this lowland now serves as a collection area for runoff from the neighboring property to the east.

3.4 BUILDING SURVEY PROCEDURES

Two indoor radon measurements were taken using the Tedlar bag technique. Using this method, radon measurements are obtained by pumping air into a Tedlar bag at a rate of approximately 2 l/min and transferring the air sample directly into a scintillation cell with an interior coating of zinc sulfide and an end window for viewing the scintillations. Analysis of the sample was simplified by allowing the radon decay products to build up over time. This method allows all the radon decay products to come into secular equilibrium with the radon. The scintillation cell was placed in contact with a photomultiplier tube, and the scintillations were counted using standard nuclear counting instrumentation. Indoor radon measurement results, using this method, ranged from less than 0.2 to 0.8 pCi/l. These concentrations fall within the range typical of those from background indoor radon measurements.

Four indoor air samples were collected to determine working levels (WL) of radon and thoron daughters. Measurement of radon daughters was done by collecting an air sample for exactly 5 min through a 0.45-micron membrane filter at a rate of 11 liters/min for a total sample volume of 55 liters. Alpha-particle activity on the filter paper was counted 40 to 90 min after sampling using an alpha scintillation detector coupled to a count-rate meter or a digital scaler. Results of measurements for radon daughters ranged from 0.0006 to 0.001 WL and were substantially less than the applicable generic guideline (40 CFR 192) (Ref. 6) of an annual average (or equivalent) radon decay product concentration not to exceed 0.02 WL (Table 3-1). Measurements for thoron daughters were conducted using the same method as for radon daughters with the exception of the time delay between collection of the air sample and counting of the alpha-particle activity. In the case of thoron daughters, the sample is allowed to age for at least 5 hours after sampling before it is counted. This elapsed time allows radon daughters, which may be present with the thoron daughters, to decay sufficiently so as not to interfere with computation of the working levels for thoron daughters. Results of measurements for thoron daughters ranged from less than the lower limit of detection to 0.003 WL. The generic guideline is more restrictive for radon-222 (radon) than for radon-220 (thoron) according to NCRP Report No. 50 (Ref. 7), which was used as the guideline for thoron daughter measurements.

In addition, exposure rate measurements were taken inside the NJVIS building to determine the potential health risk for employees in the event that contamination might be present beneath the building. These measurements are taken 3 ft above the floor using either a SPA-3 or a pressurized ionization chamber (PIC). The latter instrument has a response to gamma radiation that is proportional to exposure in roentgens. A conversion factor for SPA-3 measurements was established through a correlation of measurements taken at four locations in the vicinity of the NJVIS property with these two instruments. The unshielded SPA-3 readings were then used to estimate gamma exposure rates for each location. Locations of these measurements (Figure 3-7) were determined to be representative of the entire building interior. Gamma radiation exposure rate measurements ranged from 4 μR/h to 5 μR/h, giving an average of 4 μR/h, including background. These measurements are considered within the normal variation of background radiation. These results can be found in Table 3-4.



NOTE: BLOCKS 1 THROUGH 8 REPRESENT THE LOCATIONS FROM WHICH MEASUREMENTS 1 THROUGH 8 (TABLE 3-4) WERE TAKEN, RESPECTIVELY

FIGURE 3-7 EXPOSURE RATE MEASUREMENT LOCATIONS AT THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

TABLE 3-1

SUMMARY OF RESIDUAL CONTAMINATION GUIDELINES FOR THE MAYWOOD SITE

BASIC DOSE LIMITS

The basic limit for the annual radiation dose received by an individual member of the general public is 100 mrem/yr.

SOIL (LAND) GUIDELINES (MAXIMUM LIMITS FOR UNRESTRICTED USE)

Radionuclide	Soil Concentration (pCi/g) above background[a,b,c]
Radium-226 Radium-228 Thorium-230 Thorium-232	5 pCi/g, averaged over the first 15 cm of soil below the surface; 15 pCi/g when averaged over any 15-cm-thick soil layer below the surface layer.
Other radionuclides	Soil guidelines will be calculated on a site-specific basis using the DOE manual developed for this use.

STRUCTURE GUIDELINES (MAXIMUM LIMITS FOR UNRESTRICTED USE)

Airborne Radon Decay Products

Generic guidelines for concentrations of airborne radon decay products shall apply to existing occupied or habitable structures on private property that are intended for unrestricted use; structures that will be demolished or buried are excluded. The applicable generic guideline (40 CFR 192) is: In any occupied or habitable building, the objective of remedial action shall be, and reasonable effort shall be made to achieve, an annual average (or equivalent) radon decay product concentration (including background) not to exceed 0.02 WL.[d] In any case, the radon decay product concentration (including background) shall not exceed 0.03 WL. Remedial actions are not required in order to comply with this guideline when there is reasonable assurance that residual radioactive materials are not the cause.

External Gamma Radiation

The average level of gamma radiation inside a building or habitable structure on a site to be released for unrestricted use shall not exceed the background level by more than 20 μR/h.

Indoor/Outdoor Structure Surface Contamination

	Allowable Residual Surface Contamination[e] (dpm/100 cm^2)		
Radionuclide[f]	Average[g,h]	Maximum[h,i]	Removable[h,j]
Transuranics, Ra-226, Ra-228, Th-230, Th-228 Pa-231, Ac-227, I-125, I-129	100	300	20
Th-Natural, Th-232, Sr-90, Ra-223, Ra-224 U-232, I-126, I-131, I-133	1,000	3,000	200

TABLE 3-1

(continued)

Indoor/Outdoor Structure Surface Contamination (continued)

Radionuclide[f]	Allowable Residual Surface Contamination[e] (dpm/100 cm^2) Average[g,h]	Maximum[h,i]	Removable[h,j]
U-Natural, U-235, U-238, and associated decay products	5,000 α	15,000 α	1,000 α
Beta-gamma emitters (radionuclides with decay modes other than alpha emission or spontaneous fission) except Sr-90 and others noted above	5,000 β − γ	15,000 β − γ	1,000 β − γ

[a]These guidelines take into account ingrowth of radium-226 from thorium-230 and of radium-228 from thorium-232, and assume secular equilibrium. If either thorium-230 and radium-226 or thorium-232 and radium-228 are both present, not in secular equilibrium, the guidelines apply to the higher concentration. If other mixtures of radionuclides occur, the concentrations of individual radionuclides shall be reduced so that the dose for the mixtures will not exceed the basic dose limit.

[b]These guidelines represent unrestricted-use residual concentrations above background averaged across any 15-cm-thick layer to any depth and over any contiguous 100-m^2 surface area.

[c]Localized concentrations in excess of these limits are allowable provided that the average concentration over a 100-m^2 area does not exceed these limits.

[d]A working level (WL) is any combination of short-lived radon decay products in 1 liter of air that will result in the ultimate emission of 1.3×10^5 MeV of potential alpha energy.

[e]As used in this table, dpm (disintegrations per minute) means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

[f]Where surface contamination by both alpha- and beta-gamma-emitting radionuclides exists, the limits established for alpha- and beta-gamma-emitting radionuclides should apply independently.

[g]Measurements of average contamination should not be averaged over more than 1 m^2. For objects of less surface area, the average shall be derived for each such object.

[h]The average and maximum radiation levels associated with surface contamination resulting from beta-gamma emitters should not exceed 0.2 mrad/h and 1.0 mrad/h, respectively, at 1 cm.

[i]The maximum contamination level applies to an area of not more than 100 cm^2.

[j]The amount of removable radioactive material per 100 cm^2 of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and measuring the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of surface area less than 100 cm^2 is determined, the activity per unit area should be based on the actual area and the entire surface should be wiped. The numbers in this column are maximum amounts.

TABLE 3-2

SURFACE SOIL SAMPLING RESULTS

FOR THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

Grid Coordinates		Concentrations (pCi/g +/- 2 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1020	N1020	<6.0	<0.7	1.7 ± 0.4
E1020	N1120	<5.1	1.0 ± 0.4	1.6 ± 0.5
E1020	N1220	<5.6	<1.2	<2.9
E1020	N1320	<4.9	<1.0	<3.0
E1020	N1420	<5.6	0.8 ± 0.2	<2.3
E1020	N1520	<6.4	0.6 ± 0.4	2.8 ± 0.5
E1020	N1720	<10.2	0.9 ± 0.3	7.1 ± 1.1
E1020	N1820	<9.6	<1.2	9.2 ± 1.7
E1020	N1820	<7.3	0.5 ± 0.1	4.4 ± 0.6
E1040	N1620	<6.9	<1.8	<3.1
E1065	N1670	<6.9	1.0 ± 0.6	2.1 ± 0.2
E1080	N1875	<6.9	0.6 ± 0.4	4.9 ± 0.4
E1125	N1795	<8.0	0.7 ± 0.1	6.2 ± 1.1
E1140	N1560	<8.1	0.9 ± 0.4	4.6 ± 1.2
E1140	N1680	<9.2	1.0 ± 0.2	12.5 ± 2.3
E1140	N1820	<8.2	0.6 ± 0.5	5.4 ± 3.1
E1160	N1910	<8.3	<1.5	7.6 ± 1.3
E1165	N1470	<9.3	<1.2	3.3 ± 0.6
E1170	N1605	<13.8	1.5 ± 0.3	11.5 ± 0.9
E1210	N1340	<5.1	<1.1	<2.4
E1210	N1755	<8.7	1.2 ± 0.1	11.2 ± 2.9
E1220	N0835	<9.4	0.7 ± 0.1	3.5 ± 0.3
E1230	N1470	<7.6	<1.2	4.1 ± 1.1
E1240	N0775	<4.5	0.5 ± 0.1	0.8 ± 0.6
E1265	N1840	<9.3	<1.1	11.4 ± 2.2
E1270	N1830	<10.0	1.0 ± 0.1	9.0 ± 0.8
E1280	N1425	<8.1	<1.1	4.7 ± 0.8
E1315	N1835	<6.3	0.8 ± 0.5	2.5 ± 0.4
E1330	N1430	<5.5	<1.6	<2.9
E1333	N1340	<4.9	1.6 ± 0.4	<2.1
E1333	N1560	<5.9	0.6 ± 0.3	<3.3
E1350	N0710	<7.7	0.7 ± 0.1	5.0 ± 1.3
E1365	N0730	<14.3	1.7 ± 0.5	10.1 ± 2.2
E1370	N0695	<5.6	0.9 ± 0.2	1.2 ± 0.7
E1370	N0825	<4.9	1.0 ± 0.6	1.1 ± 0.4
E1370	N1735	<6.3	0.8 ± 0.1	7.5 ± 1.7
E1375	N0720	<9.9	1.4 ± 0.4	7.5 ± 0.8
E1380	N1470	<6.3	0.8 ± 0.3	1.8 ± 0.1
E1380	N1540	<5.7	0.8 ± 0.4	1.1 ± 0.6
E1380	N1615	<12.3	0.7 ± 0.1	7.0 ± 0.5
E1420	N0960	<7.0	1.0 ± 0.1	1.9 ± 0.7
E1430	N1725	<9.2	<1.4	8.0 ± 1.2
E1480	N0725	<12.1	1.0 ± 0.2	5.9 ± 2.7

TABLE 3-2

(continued)

Grid Coordinates		Concentrations (pCi/g +/- 2 sigma)		
E,W	N,S	Uranium-238	Radium-226	Thorium-232
E1490	N1020	<4.9	0.8 ± 0.1	1.7 ± 0.1
E1490	N1270	<4.6	0.6 ± 0.2	<2.4
E1490	N1470	<5.4	0.7 ± 0.4	2.3 ± 0.5
E1490	N1670	<7.0	0.8 ± 0.3	3.5 ± 0.6
E1490	N1745	<9.4	1.3 ± 0.4	7.8 ± 0.9
E1505	N0900	<6.6	1.1 ± 0.4	3.1 ± 1.4
E1505	N1100	<9.1	<1.8	<4.9
E1505	N1600	<4.3	1.2 ± 0.2	1.4 ± 0.4
E1505	N1700	<7.1	0.7 ± 0.1	4.1 ± 1.7
E1505	N1750	<8.2	1.7 ± 0.3	5.9 ± 0.5

TABLE 3-3

DOWNHOLE GAMMA LOGGING RESULTS[a]

FOR THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1000	N0992	0.5	10,000
E1000	N0992	1.0	12,000
E1000	N0992	1.5	12,000
E1000	N0992	2.0	13,000
E1000	N1100	0.5	8,000
E1000	N1100	1.0	10,000
E1000	N1100	1.5	10,000
E1000	N1100	2.0	11,000
E1000	N1100	2.5	10,000
E1000	N1100	3.0	10,000
E1000	N1100	3.5	9,000
E1000	N1100	4.0	9,000
E1000	N1100	4.5	8,000
E1000	N1200	0.5	8,000
E1000	N1200	1.0	10,000
E1000	N1200	1.5	10,000
E1000	N1200	2.0	11,000
E1000	N1200	2.5	11,000
E1000	N1200	3.0	10,000
E1000	N1200	3.5	11,000
E1000	N1200	4.0	9,000
E1000	N1200	4.5	9,000
E1000	N1200	5.0	9,000
E1000	N1300	0.5	10,000
E1000	N1300	1.0	11,000
E1000	N1300	1.5	11,000
E1000	N1300	2.0	10,000
E1000	N1300	2.5	10,000
E1000	N1300	3.0	11,000
E1000	N1300	3.5	10,000
E1000	N1300	4.0	10,000
E1000	N1300	4.5	10,000
E1000	N1300	5.0	8,000
E1000	N1300	5.5	8,000
E1000	N1300	6.0	8,000
E1000	N1300	6.5	8,000
E1000	N1300	7.0	8,000
E1000	N1300	7.5	8,000
E1000	N1300	8.0	8,000
E1000	N1300	8.5	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1000	N1300	9.0	8,000
E1000	N1300	9.5	8,000
E1000	N1300	10.0	8,000
E1000	N1300	10.5	8,000
E1000	N1300	11.0	8,000
E1000	N1300	11.5	8,000
E1000	N1300	12.0	9,000
E1000	N1300	12.5	9,000
E1000	N1300	13.0	9,000
E1000	N1300	13.5	9,000
E1000	N1300	14.0	9,000
E1000	N1400	0.5	9,000
E1000	N1400	1.0	9,000
E1000	N1400	1.5	9,000
E1000	N1400	2.0	10,000
E1000	N1400	2.5	9,000
E1000	N1400	3.0	9,000
E1000	N1400	3.5	8,000
E1000	N1400	4.0	8,000
E1000	N1400	4.5	8,000
E1000	N1500	0.5	9,000
E1000	N1500	1.0	10,000
E1000	N1500	1.5	11,000
E1000	N1500	2.0	11,000
E1000	N1500	2.5	11,000
E1000	N1500	3.0	11,000
E1000	N1500	3.5	10,000
E1000	N1500	4.0	9,000
E1000	N1500	4.5	9,000
E1000	N1600	0.5	13,000
E1000	N1600	1.0	12,000
E1000	N1600	1.5	10,000
E1000	N1600	2.0	10,000
E1000	N1600	2.5	9,000
E1000	N1600	3.0	9,000
E1000	N1600	3.5	9,000
E1000	N1600	4.0	8,000
E1000	N1600	4.5	7,000
E1000	N1600	5.0	6,000
E1000	N1600	5.5	7,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1000	N1600	6.0	6,000
E1000	N1600	6.5	9,000
E1000	N1650	0.5	15,000
E1000	N1650	1.0	15,000
E1000	N1650	1.5	12,000
E1000	N1650	2.0	12,000
E1000	N1650	2.5	11,000
E1000	N1650	3.0	12,000
E1000	N1650	3.5	11,000
E1000	N1650	4.0	10,000
E1000	N1700	0.5	34,000
E1000	N1700	1.0	41,000
E1000	N1700	1.5	32,000
E1000	N1700	2.0	17,000
E1000	N1700	2.5	11,000
E1000	N1700	3.0	9,000
E1000	N1700	3.5	9,000
E1000	N1700	4.0	9,000
E1000	N1700	4.5	8,000
E1000	N1700	5.0	8,000
E1000	N1700	5.5	7,000
E1000	N1700	6.0	7,000
E1000	N1700	6.5	8,000
E1000	N1700	7.0	12,000
E1000	N1700	7.5	12,000
E1000	N1700	8.0	13,000
E1000	N1700	8.5	13,000
E1000	N1700	9.0	11,000
E1000	N1700	9.5	11,000
E1000	N1750	0.5	50,000
E1000	N1750	1.0	52,000
E1000	N1750	1.5	38,000
E1000	N1750	2.0	60,000
E1000	N1750	2.5	13,000
E1000	N1750	3.0	11,000
E1000	N1750	3.5	10,000
E1000	N1800	0.5	39,000
E1000	N1800	1.0	47,000
E1000	N1800	1.5	36,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1000	N1800	2.0	30,000
E1000	N1800	2.5	38,000
E1000	N1800	3.0	33,000
E1000	N1800	3.5	32,000
E1000	N1800	4.0	61,000
E1000	N1800	4.5	57,000
E1000	N1800	5.0	25,000
E1000	N1800	5.5	12,000
E1000	N1800	6.0	9,000
E1000	N1800	6.5	9,000
E1000	N1800	7.0	9,000
E1000	N1800	7.5	11,000
E1000	N1800	8.0	12,000
E1000	N1800	8.5	10,000
E1000	N1800	9.0	11,000
E1000	N1800	9.5	10,000
E1000	N1800	10.0	11,000
E1004	N1831	0.5	41,000
E1004	N1831	1.0	48,000
E1004	N1831	1.5	52,000
E1004	N1831	2.0	68,000
E1004	N1831	2.5	80,000
E1004	N1831	3.0	63,000
E1004	N1831	3.5	42,000
E1004	N1831	4.0	31,000
E1004	N1831	4.5	40,000
E1004	N1831	5.0	63,000
E1004	N1831	5.5	72,000
E1004	N1831	6.0	90,000
E1004	N1831	6.5	82,000
E1004	N1831	7.0	40,000
E1004	N1831	7.5	19,000
E1004	N1831	8.0	15,000
E1004	N1831	8.5	14,000
E1008	N1875	0.5	43,000
E1008	N1875	1.0	48,000
E1008	N1875	1.5	47,000
E1008	N1875	2.0	25,000
E1008	N1875	2.5	13,000
E1008	N1875	3.0	10,000
E1008	N1875	3.5	11,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1008	N1875	4.0	13,000
E1008	N1875	4.5	13,000
E1008	N1875	5.0	13,000
E1008	N1875	5.5	13,000
E1008	N1875	6.0	12,000
E1008	N1875	6.5	10,000
E1008	N1875	7.0	10,000
E1008	N1875	7.5	9,000
E1008	N1875	8.0	9,000
E1008	N1875	8.5	9,000
E1008	N1875	9.0	9,000
E1020	N1820	0.5	38,000
E1020	N1820	1.0	33,000
E1020	N1820	1.5	23,000
E1020	N1820	2.0	19,000
E1020	N1820	2.5	17,000
E1080	N1875	0.5	27,000
E1080	N1875	1.0	30,000
E1080	N1875	1.5	30,000
E1080	N1875	2.0	31,000
E1080	N1875	2.5	23,000
E1080	N1875	3.0	16,000
E1085	N1747	0.5	28,000
E1085	N1747	1.0	35,000
E1085	N1747	1.5	21,000
E1085	N1747	2.0	15,000
E1085	N1747	2.5	16,000
E1085	N1747	3.0	15,000
E1085	N1747	3.5	16,000
E1085	N1747	4.0	14,000
E1085	N1747	4.5	14,000
E1085	N1747	5.0	11,000
E1085	N1747	5.5	12,000
E1085	N1747	6.0	13,000
E1085	N1747	6.5	12,000
E1085	N1747	7.0	11,000
E1085	N1747	7.5	10,000
E1085	N1747	8.0	10,000
E1100	N0900	0.5	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1100	N0900	1.0	12,000
E1100	N0900	1.5	13,000
E1100	N0900	2.0	14,000
E1100	N0900	2.5	13,000
E1100	N0900	3.0	15,000
E1100	N0900	3.5	15,000
E1100	N0900	4.0	15,000
E1100	N0900	4.5	16,000
E1100	N1000	0.5	6,000
E1100	N1000	1.0	7,000
E1100	N1000	1.5	9,000
E1100	N1000	2.0	12,000
E1100	N1000	2.5	14,000
E1100	N1000	3.0	15,000
E1100	N1000	3.5	15,000
E1100	N1000	4.0	14,000
E1100	N1080	0.5	11,000
E1100	N1080	1.0	11,000
E1100	N1080	1.5	11,000
E1100	N1080	2.0	11,000
E1100	N1080	2.5	11,000
E1100	N1080	3.0	11,000
E1100	N1080	3.5	10,000
E1100	N1080	4.0	9,000
E1100	N1080	4.5	10,000
E1100	N1080	5.0	10,000
E1100	N1185	0.5	11,000
E1100	N1185	1.0	12,000
E1100	N1185	1.5	13,000
E1100	N1185	2.0	13,000
E1100	N1185	2.5	12,000
E1100	N1185	3.0	12,000
E1100	N1185	3.5	10,000
E1100	N1185	4.0	9,000
E1100	N1185	4.5	9,000
E1100	N1185	5.0	9,000
E1100	N1185	5.5	10,000
E1100	N1185	6.0	10,000
E1100	N1185	6.5	9,000
E1100	N1185	7.0	9,000

TABLE 3-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1100	N1185	7.5	8,000
E1100	N1185	8.0	8,000
E1100	N1185	8.5	8,000
E1100	N1300	0.5	6,000
E1100	N1300	1.0	6,000
E1100	N1300	1.5	8,000
E1100	N1300	2.0	9,000
E1100	N1300	2.5	9,000
E1100	N1300	3.0	10,000
E1100	N1300	3.5	9,000
E1100	N1300	4.0	9,000
E1100	N1300	4.5	9,000
E1100	N1400	0.5	20,000
E1100	N1400	1.0	19,000
E1100	N1400	1.5	14,000
E1100	N1400	2.0	12,000
E1100	N1400	2.5	9,000
E1100	N1400	3.0	10,000
E1100	N1400	3.5	9,000
E1100	N1400	4.0	8,000
E1100	N1400	4.5	8,000
E1100	N1500	0.5	9,000
E1100	N1500	1.0	9,000
E1100	N1500	1.5	11,000
E1100	N1500	2.0	10,000
E1100	N1500	2.5	9,000
E1100	N1500	3.0	9,000
E1100	N1500	3.5	9,000
E1100	N1500	4.0	8,000
E1100	N1500	4.5	8,000
E1100	N1500	5.0	9,000
E1100	N1700	0.5	23,000
E1100	N1700	1.0	13,000
E1100	N1700	1.5	10,000
E1100	N1700	2.0	12,000
E1100	N1700	2.5	12,000
E1100	N1700	3.0	14,000
E1100	N1700	3.5	10,000
E1100	N1700	4.0	9,000

TABLE 3-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1100	N1700	4.5	8,000
E1100	N1800	0.5	21,000
E1100	N1800	1.0	28,000
E1100	N1800	1.5	18,000
E1100	N1800	2.0	13,000
E1100	N1800	2.5	14,000
E1100	N1800	3.0	19,000
E1100	N1800	3.5	31,000
E1100	N1800	4.0	71,000
E1100	N1800	4.5	20,000
E1100	N1800	5.0	43,000
E1100	N1800	5.5	165,000
E1100	N1800	6.0	162,000
E1100	N1800	6.5	46,000
E1100	N1800	7.0	16,000
E1100	N1800	7.5	11,000
E1100	N1800	8.0	11,000
E1100	N1800	8.5	10,000
E1100	N1800	9.0	9,000
E1100	N1800	9.5	9,000
E1100	N1800	10.0	10,000
E1100	N1855	0.5	35,000
E1100	N1855	1.0	35,000
E1100	N1855	1.5	40,000
E1100	N1855	2.0	44,000
E1100	N1855	2.5	39,000
E1100	N1855	3.0	33,000
E1100	N1855	3.5	54,000
E1100	N1855	4.0	124,000
E1100	N1855	4.5	122,000
E1100	N1855	5.0	45,000
E1100	N1855	5.5	21,000
E1100	N1855	6.0	16,000
E1100	N1855	6.5	15,000
E1100	N1855	7.0	14,000
E1100	N1855	7.5	13,000
E1100	N1855	8.0	13,000
E1100	N1855	8.5	12,000
E1100	N1900	0.5	34,000
E1100	N1900	1.0	54,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1100	N1900	1.5	68,000
E1100	N1900	2.0	35,000
E1100	N1900	2.5	16,000
E1100	N1900	3.0	11,000
E1100	N1900	3.5	9,000
E1100	N1900	4.0	8,000
E1100	N1900	4.5	9,000
E1100	N1900	5.0	10,000
E1100	N1900	5.5	13,000
E1100	N1900	6.0	13,000
E1106	N1818	0.5	11,000
E1106	N1818	1.0	9,000
E1106	N1818	1.5	9,000
E1106	N1818	2.0	9,000
E1106	N1818	2.5	10,000
E1106	N1818	3.0	12,000
E1106	N1818	3.5	14,000
E1106	N1818	4.0	14,000
E1106	N1818	4.5	16,000
E1106	N1818	5.0	19,000
E1106	N1818	5.5	20,000
E1106	N1818	6.0	16,000
E1106	N1818	6.5	15,000
E1110	N1600	0.5	11,000
E1110	N1600	1.0	11,000
E1110	N1600	1.5	12,000
E1110	N1600	2.0	12,000
E1110	N1600	2.5	13,000
E1110	N1600	3.0	11,000
E1110	N1600	3.5	9,000
E1110	N1600	4.0	9,000
E1110	N1600	4.5	9,000
E1125	N1795	0.5	19,000
E1125	N1795	1.0	27,000
E1125	N1795	1.5	23,000
E1125	N1795	2.0	14,000
E1140	N1680	0.5	20,000
E1140	N1680	1.0	19,000
E1140	N1680	1.5	11,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1140	N1680	2.0	11,000
E1140	N1680	2.5	9,000
E1140	N1680	3.0	10,000
E1150	N1660	0.5	34,000
E1150	N1660	1.0	17,000
E1150	N1660	1.5	12,000
E1150	N1660	2.0	11,000
E1150	N1660	2.5	10,000
E1150	N1660	3.0	10,000
E1150	N1700	0.5	38,000
E1150	N1700	1.0	26,000
E1150	N1700	1.5	22,000
E1150	N1700	2.0	18,000
E1150	N1700	2.5	17,000
E1150	N1700	3.0	15,000
E1150	N1700	3.5	10,000
E1165	N1470	0.5	13,000
E1165	N1470	1.0	15,000
E1165	N1470	1.5	15,000
E1165	N1470	2.0	13,000
E1165	N1470	2.5	11,000
E1170	N1605	0.5	38,000
E1170	N1605	1.0	22,000
E1170	N1605	1.5	18,000
E1170	N1605	2.0	11,000
E1170	N1605	2.5	11,000
E1190	N1820	0.5	22,000
E1190	N1820	1.0	14,000
E1190	N1820	1.5	12,000
E1190	N1820	2.0	10,000
E1190	N1820	2.5	11,000
E1190	N1820	3.0	11,000
E1190	N1820	3.5	11,000
E1192	N1749	0.5	43,000
E1192	N1749	1.0	33,000
E1192	N1749	1.5	18,000
E1192	N1749	2.0	16,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1192	N1749	2.5	18,000
E1192	N1749	3.0	17,000
E1192	N1749	3.5	17,000
E1192	N1749	4.0	17,000
E1192	N1749	4.5	12,000
E1192	N1749	5.0	10,000
E1192	N1749	5.5	9,000
E1192	N1749	6.0	9,000
E1192	N1749	6.5	8,000
E1192	N1749	7.0	8,000
E1192	N1749	7.5	8,000
E1192	N1749	8.0	7,000
E1200	N1000	0.5	14,000
E1200	N1000	1.0	11,000
E1200	N1000	1.5	13,000
E1200	N1000	2.0	13,000
E1200	N1000	2.5	13,000
E1200	N1000	3.0	14,000
E1200	N1000	3.5	14,000
E1200	N1000	4.0	13,000
E1200	N1100	0.5	10,000
E1200	N1100	1.0	11,000
E1200	N1100	1.5	11,000
E1200	N1100	2.0	12,000
E1200	N1100	2.5	11,000
E1200	N1100	3.0	12,000
E1200	N1100	3.5	13,000
E1200	N1100	4.0	13,000
E1200	N1100	4.5	14,000
E1200	N1100	5.0	12,000
E1200	N1100	5.5	13,000
E1200	N1100	6.0	14,000
E1200	N1300	0.5	8,000
E1200	N1300	1.0	10,000
E1200	N1300	1.5	10,000
E1200	N1300	2.0	9,000
E1200	N1300	2.5	9,000
E1200	N1300	3.0	9,000
E1200	N1300	3.5	9,000
E1200	N1300	4.0	9,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1200	N1400	0.5	8,000
E1200	N1400	1.0	10,000
E1200	N1400	1.5	11,000
E1200	N1400	2.0	11,000
E1200	N1400	2.5	10,000
E1200	N1400	3.0	9,000
E1200	N1400	3.5	9,000
E1200	N1400	4.0	9,000
E1200	N1400	4.5	9,000
E1200	N1400	5.0	8,000
E1200	N1400	5.5	9,000
E1200	N1400	6.0	10,000
E1200	N1400	6.5	8,000
E1200	N1400	7.0	8,000
E1200	N1400	7.5	7,000
E1200	N1400	8.0	7,000
E1200	N1400	8.5	9,000
E1200	N1400	9.0	9,000
E1200	N1500	0.5	17,000
E1200	N1500	1.0	14,000
E1200	N1500	1.5	11,000
E1200	N1500	2.0	10,000
E1200	N1500	2.5	10,000
E1200	N1500	3.0	10,000
E1200	N1500	3.5	9,000
E1200	N1500	4.0	9,000
E1200	N1500	4.5	10,000
E1200	N1600	0.5	15,000
E1200	N1600	1.0	14,000
E1200	N1600	1.5	9,000
E1200	N1600	2.0	8,000
E1200	N1600	2.5	8,000
E1200	N1600	3.0	7,000
E1200	N1600	3.5	6,000
E1200	N1600	4.0	6,000
E1200	N1600	4.5	6,000
E1200	N1700	0.5	9,000
E1200	N1700	1.0	10,000
E1200	N1700	1.5	12,000
E1200	N1700	2.0	11,000

TABLE 3-3

(continued)

Page 13 of 30

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1200	N1700	2.5	11,000
E1200	N1700	3.0	16,000
E1200	N1700	3.5	17,000
E1200	N1700	4.0	16,000
E1200	N1700	4.5	17,000
E1200	N1700	5.0	18,000
E1200	N1808	0.5	22,000
E1200	N1808	1.0	14,000
E1200	N1808	1.5	11,000
E1200	N1808	2.0	10,000
E1200	N1808	2.5	12,000
E1200	N1808	3.0	11,000
E1200	N1808	3.5	10,000
E1200	N1808	4.0	11,000
E1200	N1808	4.5	9,000
E1200	N1808	5.0	9,000
E1200	N1808	5.5	11,000
E1200	N1808	6.0	11,000
E1200	N1808	6.5	10,000
E1200	N1808	7.0	9,000
E1203	N1776	0.5	11,000
E1203	N1776	1.0	10,000
E1203	N1776	1.5	12,000
E1203	N1776	2.0	14,000
E1203	N1776	2.5	13,000
E1203	N1776	3.0	13,000
E1203	N1776	3.5	14,000
E1203	N1776	4.0	13,000
E1203	N1776	4.5	12,000
E1203	N1776	5.0	11,000
E1203	N1776	5.5	13,000
E1203	N1776	6.0	14,000
E1203	N1776	6.5	14,000
E1203	N1776	7.0	11,000
E1203	N1776	7.5	11,000
E1203	N1776	8.0	15,000
E1203	N1776	8.5	17,000
E1203	N1776	9.0	15,000
E1203	N1776	9.5	11,000
E1210	N1755	0.5	56,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1210	N1755	1.0	33,000
E1210	N1755	1.5	16,000
E1210	N1755	2.0	12,000
E1210	N1755	2.5	11,000
E1210	N1910	0.5	16,000
E1210	N1910	1.0	19,000
E1210	N1910	1.5	12,000
E1210	N1910	2.0	9,000
E1210	N1910	2.5	9,000
E1210	N1910	3.0	9,000
E1210	N1910	3.5	8,000
E1210	N1910	4.0	7,000
E1210	N1910	4.5	7,000
E1210	N1910	5.0	7,000
E1210	N1910	5.5	6,000
E1210	N1910	6.0	6,000
E1215	N0840	0.5	18,000
E1215	N0840	1.0	18,000
E1215	N0840	1.5	16,000
E1215	N0840	2.0	16,000
E1215	N0840	2.5	16,000
E1215	N0840	3.0	16,000
E1215	N0840	3.5	14,000
E1215	N0840	4.0	14,000
E1215	N0840	4.5	14,000
E1265	N1880	0.5	36,000
E1265	N1880	1.0	27,000
E1265	N1880	1.5	14,000
E1265	N1880	2.0	12,000
E1265	N1880	2.5	11,000
E1265	N1880	3.0	10,000
E1270	N1220	0.5	27,000
E1270	N1220	1.0	28,000
E1270	N1220	1.5	14,000
E1270	N1220	2.0	11,000
E1270	N1220	2.5	10,000
E1270	N1220	3.0	10,000
E1270	N1220	3.5	9,000
E1270	N1220	4.0	10,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1270	N1220	4.5	10,000
E1290	N0775	0.5	11,000
E1290	N0775	1.0	11,000
E1290	N0775	1.5	11,000
E1290	N0775	2.0	11,000
E1290	N0775	2.5	9,000
E1300	N0700	0.5	14,000
E1300	N0700	1.0	12,000
E1300	N0700	1.5	10,000
E1300	N0700	2.0	12,000
E1300	N0700	2.5	14,000
E1300	N0700	3.0	12,000
E1300	N0700	3.5	12,000
E1300	N0700	4.0	13,000
E1300	N0700	4.5	13,000
E1300	N0800	0.5	6,000
E1300	N0800	1.0	8,000
E1300	N0800	1.5	11,000
E1300	N0800	2.0	10,000
E1300	N0800	2.5	10,000
E1300	N0800	3.0	9,000
E1300	N0800	3.5	10,000
E1300	N0800	4.0	11,000
E1300	N0800	4.5	12,000
E1300	N0800	5.0	11,000
E1300	N0900	0.5	13,000
E1300	N0900	1.0	11,000
E1300	N0900	1.5	10,000
E1300	N0900	2.0	11,000
E1300	N0900	2.5	11,000
E1300	N0900	3.0	10,000
E1300	N0900	3.5	11,000
E1300	N0900	4.0	11,000
E1300	N0900	4.5	11,000
E1300	N0900	5.0	11,000
E1300	N0900	5.5	10,000
E1300	N0900	6.0	11,000
E1300	N0900	6.5	11,000
E1300	N0900	7.0	11,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1300	N0900	7.5	11,000
E1300	N0900	8.0	12,000
E1300	N0900	8.5	12,000
E1300	N0900	9.0	12,000
E1300	N0900	9.5	12,000
E1300	N1000	0.5	11,000
E1300	N1000	1.0	11,000
E1300	N1000	1.5	11,000
E1300	N1000	2.0	11,000
E1300	N1000	2.5	12,000
E1300	N1000	3.0	13,000
E1300	N1000	3.5	12,000
E1300	N1000	4.0	13,000
E1300	N1100	0.5	15,000
E1300	N1100	1.0	12,000
E1300	N1100	1.5	12,000
E1300	N1100	2.0	13,000
E1300	N1100	2.5	14,000
E1300	N1100	3.0	13,000
E1300	N1100	3.5	14,000
E1300	N1100	4.0	13,000
E1300	N1200	0.5	18,000
E1300	N1200	1.0	17,000
E1300	N1200	1.5	13,000
E1300	N1200	2.0	12,000
E1300	N1200	2.5	12,000
E1300	N1200	3.0	11,000
E1300	N1200	3.5	10,000
E1300	N1200	4.0	11,000
E1300	N1200	4.5	10,000
E1300	N1200	5.0	11,000
E1300	N1200	5.5	9,000
E1300	N1200	6.0	9,000
E1300	N1200	6.5	8,000
E1300	N1200	7.0	8,000
E1300	N1200	7.5	9,000
E1300	N1200	8.0	7,000
E1300	N1300	0.5	6,000
E1300	N1300	1.0	8,000

TABLE 3-3
(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1300	N1300	1.5	8,000
E1300	N1300	2.0	9,000
E1300	N1300	2.5	9,000
E1300	N1300	3.0	8,000
E1300	N1300	3.5	9,000
E1300	N1300	4.0	9,000
E1300	N1300	4.5	10,000
E1300	N1300	5.0	10,000
E1300	N1400	0.5	8,000
E1300	N1400	1.0	10,000
E1300	N1400	1.5	11,000
E1300	N1400	2.0	13,000
E1300	N1400	2.5	11,000
E1300	N1400	3.0	9,000
E1300	N1400	3.5	9,000
E1300	N1400	4.0	9,000
E1300	N1400	4.5	9,000
E1300	N1400	5.0	9,000
E1300	N1400	5.5	9,000
E1300	N1500	0.5	7,000
E1300	N1500	1.0	8,000
E1300	N1500	1.5	8,000
E1300	N1500	2.0	8,000
E1300	N1500	2.5	8,000
E1300	N1500	3.0	8,000
E1300	N1500	3.5	8,000
E1300	N1500	4.0	8,000
E1300	N1500	4.5	7,000
E1300	N1500	5.0	7,000
E1300	N1500	5.5	7,000
E1300	N1600	0.5	15,000
E1300	N1600	1.0	14,000
E1300	N1600	1.5	9,000
E1300	N1600	2.0	8,000
E1300	N1600	2.5	9,000
E1300	N1600	3.0	8,000
E1300	N1600	3.5	7,000
E1300	N1600	4.0	7,000
E1300	N1600	4.5	6,000
E1300	N1700	0.5	9,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1300	N1700	1.0	9,000
E1300	N1700	1.5	10,000
E1300	N1700	2.0	13,000
E1300	N1700	2.5	10,000
E1300	N1700	3.0	10,000
E1300	N1700	3.5	10,000
E1300	N1700	4.0	14,000
E1300	N1700	4.5	16,000
E1300	N1700	5.0	10,000
E1300	N1700	5.5	8,000
E1300	N1700	6.0	8,000
E1300	N1700	6.5	8,000
E1300	N1700	7.0	9,000
E1300	N1700	7.5	9,000
E1300	N1700	8.0	10,000
E1300	N1700	8.5	11,000
E1300	N1750	0.5	10,000
E1300	N1750	1.0	11,000
E1300	N1750	1.5	13,000
E1300	N1750	2.0	14,000
E1300	N1750	2.5	13,000
E1300	N1750	3.0	13,000
E1300	N1750	3.5	13,000
E1300	N1750	4.0	18,000
E1300	N1750	4.5	19,000
E1300	N1750	5.0	15,000
E1300	N1750	5.5	11,000
E1300	N1750	6.0	9,000
E1300	N1750	6.5	8,000
E1300	N1775	0.5	41,000
E1300	N1775	1.0	66,000
E1300	N1775	1.5	64,000
E1300	N1775	2.0	26,000
E1300	N1775	2.5	15,000
E1300	N1775	3.0	11,000
E1300	N1775	3.5	10,000
E1300	N1775	4.0	10,000
E1300	N1775	4.5	10,000
E1300	N1775	5.0	10,000
E1300	N1775	5.5	10,000
E1300	N1790	0.5	17,000

TABLE 3-3

(continued)

Page 19 of 30

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1300	N1790	1.0	17,000
E1300	N1790	1.5	18,000
E1300	N1790	2.0	14,000
E1300	N1790	2.5	14,000
E1300	N1790	3.0	21,000
E1300	N1790	3.5	18,000
E1300	N1790	4.0	15,000
E1300	N1790	4.5	11,000
E1300	N1790	5.0	9,000
E1300	N1790	5.5	9,000
E1300	N1790	6.0	9,000
E1300	N1790	6.5	9,000
E1300	N1790	7.0	9,000
E1300	N1790	7.5	7,000
E1300	N1790	8.0	7,000
E1300	N1822	0.5	11,000
E1300	N1822	1.0	9,000
E1300	N1822	1.5	9,000
E1300	N1822	2.0	10,000
E1300	N1822	2.5	9,000
E1300	N1822	3.0	11,000
E1300	N1822	3.5	14,000
E1300	N1822	4.0	14,000
E1300	N1822	4.5	15,000
E1300	N1822	5.0	12,000
E1300	N1822	5.5	10,000
E1300	N1822	6.0	10,000
E1300	N1822	6.5	9,000
E1300	N1822	7.0	9,000
E1300	N1822	7.5	9,000
E1300	N1822	8.0	9,000
E1300	N1915	0.5	33,000
E1300	N1915	1.0	19,000
E1300	N1915	1.5	12,000
E1300	N1915	2.0	11,000
E1300	N1915	2.5	10,000
E1300	N1915	3.0	9,000
E1300	N1915	3.5	9,000
E1300	N1915	4.0	8,000
E1300	N1915	4.5	7,000
E1300	N1915	5.0	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1307	N1890	0.5	17,000
E1307	N1890	1.0	11,000
E1307	N1890	1.5	11,000
E1307	N1890	2.0	11,000
E1307	N1890	2.5	10,000
E1307	N1890	3.0	10,000
E1307	N1890	3.5	9,000
E1307	N1890	4.0	8,000
E1307	N1890	4.5	7,000
E1307	N1890	5.0	7,000
E1307	N1890	5.5	7,000
E1307	N1890	6.0	7,000
E1307	N1890	6.5	7,000
E1307	N1890	7.0	8,000
E1307	N1890	7.5	8,000
E1315	N1835	0.5	19,000
E1315	N1835	1.0	18,000
E1315	N1835	1.5	15,000
E1315	N1835	2.0	10,000
E1315	N1835	2.5	10,000
E1315	N1835	3.0	9,000
E1320	N1540	0.5	7,000
E1320	N1540	1.0	8,000
E1320	N1540	1.5	8,000
E1320	N1540	2.0	8,000
E1320	N1540	2.5	9,000
E1350	N0710	0.5	32,000
E1350	N0710	1.0	33,000
E1350	N0710	1.5	31,000
E1350	N0710	2.0	24,000
E1350	N0710	2.5	20,000
E1370	N1735	0.5	16,000
E1370	N1735	1.0	12,000
E1370	N1735	1.5	11,000
E1370	N1735	2.0	11,000
E1370	N1735	2.5	11,000
E1380	N1615	0.5	35,000
E1380	N1615	1.0	30,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1380	N1615	1.5	16,000
E1380	N1615	2.0	10,000
E1380	N1615	2.5	8,000
E1390	N1783	0.5	31,000
E1390	N1783	1.0	47,000
E1390	N1783	1.5	24,000
E1390	N1783	2.0	14,000
E1390	N1783	2.5	12,000
E1390	N1783	3.0	11,000
E1390	N1783	3.5	8,000
E1390	N1783	4.0	8,000
E1390	N1783	4.5	7,000
E1395	N1763	0.5	49,000
E1395	N1763	1.0	57,000
E1395	N1763	1.5	33,000
E1395	N1763	2.0	24,000
E1395	N1763	2.5	37,000
E1395	N1763	3.0	77,000
E1395	N1763	3.5	106,000
E1395	N1763	4.0	55,000
E1395	N1763	4.5	24,000
E1395	N1763	5.0	14,000
E1395	N1763	5.5	14,000
E1395	N1763	6.0	12,000
E1395	N1763	6.5	11,000
E1395	N1763	7.0	11,000
E1396	N1892	0.5	8,000
E1396	N1892	1.0	10,000
E1396	N1892	1.5	11,000
E1396	N1892	2.0	11,000
E1396	N1892	2.5	11,000
E1396	N1892	3.0	11,000
E1396	N1892	3.5	10,000
E1396	N1892	4.0	11,000
E1396	N1892	4.5	9,000
E1396	N1892	5.0	9,000
E1396	N1892	5.5	8,000
E1396	N1892	6.0	7,000
E1396	N1892	6.5	7,000
E1396	N1892	7.0	7,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1396	N1892	7.5	7,000
E1396	N1892	8.0	7,000
E1396	N1892	8.5	7,000
E1400	N0700	0.5	19,000
E1400	N0700	1.0	22,000
E1400	N0700	1.5	25,000
E1400	N0700	2.0	18,000
E1400	N0700	2.5	15,000
E1400	N0700	3.0	17,000
E1400	N0700	3.5	16,000
E1400	N0700	4.0	14,000
E1400	N0700	4.5	14,000
E1400	N0700	5.0	14,000
E1400	N0800	0.5	10,000
E1400	N0800	1.0	11,000
E1400	N0800	1.5	12,000
E1400	N0800	2.0	11,000
E1400	N0800	2.5	12,000
E1400	N0800	3.0	11,000
E1400	N0800	3.5	11,000
E1400	N0800	4.0	12,000
E1400	N0800	4.5	11,000
E1400	N0800	5.0	11,000
E1400	N0900	0.5	11,000
E1400	N0900	1.0	10,000
E1400	N0900	1.5	11,000
E1400	N0900	2.0	11,000
E1400	N0900	2.5	11,000
E1400	N0900	3.0	10,000
E1400	N0900	3.5	11,000
E1400	N0900	4.0	11,000
E1400	N0900	4.5	11,000
E1400	N0900	5.0	11,000
E1400	N0900	5.5	12,000
E1400	N0900	6.0	12,000
E1400	N0900	6.5	13,000
E1400	N1000	0.5	13,000
E1400	N1000	1.0	13,000
E1400	N1000	1.5	13,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1400	N1000	2.0	13,000
E1400	N1000	2.5	14,000
E1400	N1000	3.0	13,000
E1400	N1000	3.5	13,000
E1400	N1100	0.5	10,000
E1400	N1100	1.0	12,000
E1400	N1200	0.5	10,000
E1400	N1200	1.0	11,000
E1400	N1200	1.5	13,000
E1400	N1200	2.0	13,000
E1400	N1200	2.5	13,000
E1400	N1200	3.0	13,000
E1400	N1200	3.5	13,000
E1400	N1200	4.0	13,000
E1400	N1300	0.5	5,000
E1400	N1300	1.0	7,000
E1400	N1300	1.5	8,000
E1400	N1300	2.0	8,000
E1400	N1300	2.5	9,000
E1400	N1300	3.0	9,000
E1400	N1300	3.5	9,000
E1400	N1300	4.0	8,000
E1400	N1300	4.5	8,000
E1400	N1400	0.5	10,000
E1400	N1400	1.0	12,000
E1400	N1400	1.5	11,000
E1400	N1400	2.0	10,000
E1400	N1400	2.5	9,000
E1400	N1400	3.0	9,000
E1400	N1400	3.5	9,000
E1400	N1400	4.0	8,000
E1400	N1400	4.5	8,000
E1400	N1500	0.5	8,000
E1400	N1500	1.0	11,000
E1400	N1500	1.5	8,000
E1400	N1500	2.0	9,000
E1400	N1500	2.5	9,000
E1400	N1500	3.0	9,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1400	N1500	3.5	8,000
E1400	N1500	4.0	8,000
E1400	N1500	4.5	8,000
E1400	N1500	5.0	9,000
E1400	N1500	5.5	9,000
E1400	N1600	0.5	22,000
E1400	N1600	1.0	20,000
E1400	N1600	1.5	11,000
E1400	N1600	2.0	9,000
E1400	N1600	2.5	9,000
E1400	N1600	3.0	7,000
E1400	N1600	3.5	6,000
E1400	N1600	4.0	6,000
E1400	N1600	4.5	7,000
E1400	N1600	5.0	9,000
E1400	N1600	5.5	9,000
E1400	N1600	6.0	9,000
E1400	N1600	6.5	9,000
E1400	N1600	7.0	9,000
E1400	N1600	7.5	10,000
E1400	N1600	8.0	10,000
E1400	N1600	8.5	10,000
E1400	N1600	9.0	10,000
E1400	N1640	0.5	20,000
E1400	N1640	1.0	20,000
E1400	N1640	1.5	13,000
E1400	N1640	2.0	11,000
E1400	N1640	2.5	10,000
E1400	N1640	3.0	9,000
E1400	N1640	3.5	10,000
E1400	N1640	4.0	10,000
E1400	N1640	4.5	10,000
E1400	N1700	0.5	25,000
E1400	N1700	1.0	26,000
E1400	N1700	1.5	21,000
E1400	N1700	2.0	14,000
E1400	N1700	2.5	13,000
E1400	N1700	3.0	12,000
E1400	N1700	3.5	10,000
E1400	N1700	4.0	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1400	N1700	4.5	8,000
E1400	N1730	0.5	17,000
E1400	N1730	1.0	31,000
E1400	N1730	1.5	53,000
E1400	N1730	2.0	70,000
E1400	N1730	2.5	44,000
E1400	N1730	3.0	18,000
E1400	N1730	3.5	13,000
E1400	N1730	4.0	12,000
E1400	N1730	4.5	13,000
E1400	N1730	5.0	12,000
E1400	N1850	0.5	16,000
E1400	N1850	1.0	12,000
E1400	N1850	1.5	10,000
E1400	N1850	2.0	10,000
E1400	N1850	2.5	8,000
E1400	N1850	3.0	8,000
E1400	N1850	3.5	7,000
E1400	N1850	4.0	8,000
E1400	N1900	0.5	11,000
E1400	N1900	1.0	10,000
E1400	N1900	1.5	10,000
E1400	N1900	2.0	9,000
E1400	N1900	2.5	9,000
E1400	N1900	3.0	9,000
E1400	N1900	3.5	9,000
E1400	N1900	4.0	9,000
E1400	N1900	4.5	8,000
E1475	N1935	0.5	11,000
E1475	N1935	1.0	11,000
E1475	N1935	1.5	11,000
E1475	N1935	2.0	12,000
E1475	N1935	2.5	10,000
E1475	N1935	3.0	10,000
E1475	N1935	3.5	9,000
E1475	N1935	4.0	9,000
E1475	N1935	4.5	8,000
E1475	N1935	5.0	7,000
E1475	N1935	5.5	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1475	N1935	6.0	8,000
E1475	N1935	6.5	7,000
E1475	N1935	7.0	7,000
E1480	N0725	0.5	26,000
E1480	N0725	1.0	23,000
E1480	N0725	1.5	16,000
E1480	N0725	2.0	15,000
E1480	N0725	2.5	13,000
E1480	N0725	3.0	13,000
E1490	N1700	0.5	25,000
E1490	N1700	1.0	30,000
E1490	N1700	1.5	36,000
E1490	N1700	2.0	34,000
E1490	N1700	2.5	20,000
E1490	N1700	3.0	15,000
E1490	N1700	3.5	13,000
E1490	N1700	4.0	13,000
E1490	N1700	4.5	12,000
E1490	N1700	5.0	11,000
E1490	N1745	0.5	46,000
E1490	N1745	1.0	51,000
E1490	N1745	1.5	82,000
E1490	N1745	2.0	98,000
E1490	N1745	2.5	85,000
E1490	N1745	3.0	53,000
E1490	N1745	3.5	20,000
E1490	N1745	4.0	15,000
E1490	N1745	4.5	9,000
E1490	N1745	5.0	9,000
E1499	N1773	0.5	39,000
E1499	N1773	1.0	57,000
E1499	N1773	1.5	26,000
E1499	N1773	2.0	15,000
E1499	N1773	2.5	12,000
E1499	N1773	3.0	11,000
E1499	N1773	3.5	10,000
E1499	N1773	4.0	10,000
E1500	N0700	0.5	20,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1500	N0700	1.0	14,000
E1500	N0700	1.5	13,000
E1500	N0700	2.0	12,000
E1500	N0700	2.5	13,000
E1500	N0700	3.0	13,000
E1500	N0700	3.5	12,000
E1500	N0700	4.0	11,000
E1500	N0700	4.5	11,000
E1500	N0700	5.0	9,000
E1500	N0700	5.5	8,000
E1500	N0700	6.0	7,000
E1500	N0800	0.5	12,000
E1500	N0800	1.0	12,000
E1500	N0800	1.5	12,000
E1500	N0800	2.0	13,000
E1500	N0800	2.5	17,000
E1500	N0800	3.0	15,000
E1500	N0800	3.5	13,000
E1500	N0800	4.0	13,000
E1500	N0800	4.5	12,000
E1500	N0800	5.0	12,000
E1500	N0800	5.5	11,000
E1500	N0800	6.0	12,000
E1500	N0800	6.5	12,000
E1500	N0900	0.5	12,000
E1500	N0900	1.0	13,000
E1500	N0900	1.5	14,000
E1500	N0900	2.0	14,000
E1500	N0900	2.5	14,000
E1500	N0900	3.0	13,000
E1500	N0900	3.5	14,000
E1500	N0900	4.0	14,000
E1500	N0900	4.5	13,000
E1500	N0900	5.0	13,000
E1500	N1000	0.5	11,000
E1500	N1000	1.0	14,000
E1500	N1000	1.5	13,000
E1500	N1100	0.5	11,000
E1500	N1200	0.5	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1500	N1200	1.0	9,000
E1500	N1200	1.5	12,000
E1500	N1300	0.5	10,000
E1500	N1300	1.0	11,000
E1500	N1300	1.5	11,000
E1500	N1300	2.0	9,000
E1500	N1300	2.5	9,000
E1500	N1300	3.0	10,000
E1500	N1300	3.5	10,000
E1500	N1300	4.0	9,000
E1500	N1300	4.5	9,000
E1500	N1300	5.0	8,000
E1500	N1300	5.5	8,000
E1500	N1300	6.0	8,000
E1500	N1300	6.5	8,000
E1500	N1300	7.0	8,000
E1500	N1300	7.5	9,000
E1500	N1300	8.0	11,000
E1500	N1300	8.5	12,000
E1500	N1300	9.0	11,000
E1500	N1400	0.5	10,000
E1500	N1400	1.0	12,000
E1500	N1400	1.5	11,000
E1500	N1400	2.0	10,000
E1500	N1400	2.5	9,000
E1500	N1400	3.0	9,000
E1500	N1400	3.5	9,000
E1500	N1400	4.0	8,000
E1500	N1400	4.5	8,000
E1500	N1400	5.0	9,000
E1500	N1400	5.5	8,000
E1500	N1500	0.5	9,000
E1500	N1500	1.0	10,000
E1500	N1500	1.5	10,000
E1500	N1500	2.0	10,000
E1500	N1500	2.5	10,000
E1500	N1500	3.0	8,000
E1500	N1500	3.5	8,000
E1500	N1500	4.0	7,000
E1500	N1500	4.5	8,000

TABLE 3-3

(continued)

Grid Coordinates E,W	N,S	Depth (ft)	Counts per Minute
E1500	N1500	5.0	8,000
E1500	N1600	0.5	13,000
E1500	N1600	1.0	11,000
E1500	N1600	1.5	10,000
E1500	N1600	2.0	9,000
E1500	N1600	2.5	8,000
E1500	N1600	3.0	8,000
E1500	N1600	3.5	7,000
E1500	N1600	4.0	8,000
E1500	N1600	4.5	8,000
E1500	N1650	0.5	36,000
E1500	N1650	1.0	37,000
E1500	N1650	1.5	49,000
E1500	N1650	2.0	31,000
E1500	N1650	2.5	19,000
E1500	N1650	3.0	18,000
E1500	N1650	3.5	14,000
E1500	N1650	4.0	15,000
E1500	N1800	0.5	22,000
E1500	N1800	1.0	15,000
E1500	N1800	1.5	11,000
E1500	N1800	2.0	10,000
E1500	N1800	2.5	9,000
E1500	N1800	3.0	9,000
E1500	N1800	3.5	8,000
E1500	N1800	4.0	8,000
E1500	N1800	4.5	8,000
E1500	N1850	0.5	25,000
E1500	N1850	1.0	18,000
E1500	N1850	1.5	15,000
E1500	N1850	2.0	13,000
E1500	N1850	2.5	13,000
E1500	N1850	3.0	12,000
E1500	N1850	3.5	12,000
E1500	N1850	4.0	10,000
E1500	N1850	4.5	10,000
E1500	N1850	5.0	9,000
E1500	N1875	0.5	13,000

TABLE 3-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E1500	N1875	1.0	12,000
E1500	N1875	1.5	13,000
E1500	N1875	2.0	13,000
E1500	N1875	2.5	12,000
E1500	N1875	3.0	13,000
E1500	N1875	3.5	12,000
E1500	N1875	4.0	11,000
E1500	N1900	0.5	9,000
E1500	N1900	1.0	11,000
E1500	N1900	1.5	11,000
E1500	N1900	2.0	11,000
E1500	N1900	2.5	9,000
E1500	N1900	3.0	10,000
E1500	N1900	3.5	10,000
E1500	N1900	4.0	9,000
E1500	N1900	4.5	10,000
E1507	N1735	0.5	18,000
E1507	N1735	1.0	16,000
E1507	N1735	1.5	14,000
E1507	N1735	2.0	10,000
E1507	N1735	2.5	9,000
E1507	N1735	3.0	9,000
E1507	N1735	3.5	9,000
E1507	N1735	4.0	10,000

[a] The results given in this table are based on penetrating the contamination or the drill reaching refusal. Any other circumstances are noted for the hole to which they apply.

TABLE 3-4

GAMMA RADIATION EXPOSURE RATE MEASUREMENTS
FOR THE NEW JERSEY VEHICLE INSPECTION STATION PROPERTY

Location Number	Grid Coordinates E,W	N,S	Exposure Rate (μR/h)
1	E1275	N1190	5
2	E1280	N1180	4
3	E1160	N1175	4
4	E1250	N1150	4
5	E1200	N1150	4
6	E1275	N1110	4
7	E1280	N1125	4
8	E1160	N1130	4

REFERENCES

1. U.S. Department of Energy. Description of the Formerly Utilized Sites Remedial Action Program, ORO-777, Oak Ridge, TN, September 1980 (as modified by DOE in October 1983).

2. Oak Ridge National Laboratory. Results of the Radiological Survey at 8 Mill Street, Lodi, New Jersey, Oak Ridge, TN, August 1984.

3. Morton, Henry W., Natural Thorium in Maywood, New Jersey, Nuclear Safety Associates, Inc., Potomac, MD, September 29, 1982.

4. U.S. Department of Energy. "U.S. Department of Energy Guidelines for Residual Radioactivity at Formerly Utilized Sites Remedial Action Program and Remote Surplus Facilities Management Program Sites," Rev. 1, July 1985.

5. Trip Report, C. P. Leichtweis, Bechtel National, Inc., to File. "Calibration and Functional Checks of Eberline Instrumentation," CCN 35677, March 25, 1986.

6. U.S. Code of Federal Regulations. 40 CFR 192, "Health and Environmental Protection Standards for Uranium and Thorium Mill Tailings," Washington, DC, July 1986.

7. National Council on Radiation Protection and Measurements. Environmental Radiation Measurements, NCRP Report No. 50, Washington, DC, December 27, 1986.

APPENDIX A

GEOLOGIC DRILL LOGS FOR THE

MAYWOOD INTERIM STORAGE SITE

- NEW JERSEY VEHICLE INSPECTION STATION

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-213R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N1875,E1008	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.25'	8.5'/87.75'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	"R" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.								96.25	0			0.0-3.5': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								92.75	5			3.5-10.0': SILTY SAND (SM-SC); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; MOSTLY DRY (SEE DRILL NOTES). 3.5-4.5': MODERATE BROWN (5YR3/4); FINE GRAINED; CLAY BINDER; FEW ORGANICS. 4.5-10.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO COARSE GRAINED; SATURATED(8.5-10.0 FT).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 7/21/86
								86.25	10			BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. SATURATED DRILL SPOILS FROM 8.5-10.0 FT.
									15				
									20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
									25				
									30				
									35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-NJVIS	MISS-213R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	NISS-214R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N1900,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	7.5'	0.0'	7.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.25'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							96.25	0				
AUGER, 6", THROUGHOUT.							93.75				0.0-2.5': SANDY SILT (ML): DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); POORLY CONSOLIDATED; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5			2.5-7.5': SILTY SAND (SM-SC): FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; DRY TO SLIGHTLY MOIST. 3.5-4.5': MODERATE BROWN (5YR3/4); FINE GRAINED; CLAY BINDER; FEW ORGANICS. 4.5-7.5': DARK YELLOWISH ORANGE (10YR6/6); FINE TO COARSE GRAINED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							88.75	7.5			BOTTOM OF HOLE AT 7.5 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-NJVIS	NISS-214R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-215R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1910,E1210	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	7.5'	0.0'	7.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.3'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.3	0		
	94.8		0.0-1.5': SANDY SILT (ML): DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; DRY TO SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
		5	1.5-7.5': SILTY SAND (SM): DARK YELLOWISH ORANGE (10YR6/6); FINE TO COARSE GRAINED; SOFT; POORLY CONSOLIDATED; DRY TO SLIGHTLY MOIST. 1.5-5.0': FINE GRAINED. 5.0-7.5': FINE TO COARSE GRAINED; POORLY SORTED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	88.8	7.5	BOTTOM OF HOLE AT 7.5 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Other column headings: SAMPLER ADVANCE/LENGTH CORE RUN; SAMPLE RECOVERY/CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GPM, PRESSURE P.S.I., TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-215R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-216R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1915,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.89	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	PRESSURE PSI	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT							96.89	0			0.0-2.0': SANDY SILT (ML): MODERATE BROWN (5YR5/4) FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							94.89				2.0-5.0': SILTY SAND (SM): DARK YELLOWISH ORANGE (10YR6/6); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; SLIGHTLY MOIST.	
							91.89	5			BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-216R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: NISS-217R	
SITE: MAYWOOD INTERIM STORAGE SITE-NJVIS	COORDINATES: N1900,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/21/86	COMPLETED: 7/21/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 5.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'	CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A
SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 97.25'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.25	0	0.0-1.5': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	95.75		1.5-5.0': SILTY SAND (SM); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; DRY TO SLIGHTLY MOIST. 1.5-3.5': MODERATE BROWN (5YR3/4). 3.5-5.0': DARK YELLOWISH ORANGE (10YR6/6); SLIGHTLY MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	92.25	5	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-NJVIS | HOLE NO.: NISS-217R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-218R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N1900,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.4'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.4	0		
	96.4		0.0-1.0': SANDY SILT (OL); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	92.4	5	1.0-5.0': SILTY SAND (SM-SC); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; DRY; SLIGHTLY MOIST. 1.0-4.0': DARK YELLOWISH ORANGE (10YR6/6); WITH 1-2" PALE GREEN (5G7/2); CLAYEY ZONES. 4.0-5.0': MODERATE BROWN (5YR3/4); FINE GRAINED; SLIGHTLY MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-NJVIS	MISS-218R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-219R
SITE	MAYWOOD INTERIM STORAGE SITE-NJVIS
COORDINATES	N1800,E1500
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/21/86
COMPLETED	7/21/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY(FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	**
DEPTH/EL. GROUND WATER	NONE OBSERVED
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY:	D.McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	0–2.5	0.0-2.5': SANDY SILT (OL); DARK YELLOWISH BROWN (10YR4/2); WITH A MODERATE BROWN (5YR3/4) ZONE FROM 2.0-2.5 FT; FINE GRAINED WITH OCCASIONAL PEBBLES; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS)	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	2.5–5.0	2.5-5.0': SILTY SAND (SM); DARK YELLOWISH BROWN (10YR4/2); WITH A PALE YELLOWISH BROWN (10YR6/2) ZONE FROM 4.5-5.0 FT; FINE TO MEDIUM GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; SLIGHTLY MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	5.0	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION SOLELY BY VISUAL EXAMINATION OF CUTTINGS. ** GROUND ELEVATION NOT KNOWN

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS

HOLE NO. MISS-219R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-220R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1783,E1390	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	94.96'	4.0'/90.96'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	94.96	0	0.0-2.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); OCCASIONAL PEBBLES AND SMALL COBBLES; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. ▽ 7/21/86
	92.46	2.5	2.5-5.0': SILTY SAND (SM-SC); DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; SLIGHTLY MOIST; SATURATED(4.0-5.0 FT.).	
	89.96	5	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Other column headings (empty): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS "N" PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GAL.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-220R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-221R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-MJVIS	N1790,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/22/86	7/22/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.0'	8.5'/89.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.0	0	0.0-6.0': SANDY SILT (ML); FINE GRAINED; SOFT; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); SLIGHTLY MOIST. 0.0-4.5': MODERATE BROWN (5YR3/4); POORLY SORTED; POORLY CONSOLIDATED. 4.5-6.0': DARK REDDISH BROWN (10R3/4); DENSE IN PLACE; FEW ORGANICS; CLAY BINDER.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	91.0	6	6.0-10.0': SILTY SAND (SM-SC); DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; MOIST TO SATURATED (8.5-10.0 FT.).	▽ 7/22/86
	87.0	10	BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		20–25		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other column headings (blank): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS; % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GPM; PRESSURE PSI; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-MJVIS	MISS-221R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-222R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1808,E1200	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/22/86	7/22/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	7.5'	0.0'	7.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.0	0	0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	98.0		1.0-7.5': SILTY SAND (SM-SC); FINE TO COARSE GRAINED; SOFT; SLIGHTLY MOIST. 1.0-5.0': DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; POORLY CONSOLIDATED. 5.0-6.0': DARK REDDISH BROWN (10R3/4); CLAY BINDER; DENSE IN PLACE. 6.0-7.5': DARK YELLOWISH BROWN (10YR4/2); WITH 0.5-1.0" PALE GREEN (5G7/2) CLAYEY LENSES; DENSE IN PLACE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		5		
	91.5	7.5	BOTTOM OF HOLE AT 7.5 FT.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10	AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Column headings also include: SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GPM; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-222R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-223R	
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1000,E1100	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/22/86	COMPLETED: 7/22/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 10.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 10.0'		
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 96.25'
DEPTH/EL. GROUND WATER: 7.5'/88.75'	DEPTH/EL. TOP OF ROCK: N/A			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.25	0	0.0-1.0': SANDY SILT (OL); MODERATE BROWN (5YR3/4) MOTTLED WITH GRAY BLACK (N2) CLAYEY ZONES; FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS (GRASS ROOTS); SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	95.25		1.0-10.0': SILTY SAND (SM-SC); COLOR STRATIFIED; FINE TO COARSE GRAINED; SOFT WITH A DENSE CLAYEY ZONE FROM 4.5-6.0 FT; SLIGHTLY MOIST; SATURATED AT 7.5 FT. 1.0-3.0': DARK REDDISH BROWN (10R3/4); OCCASIONAL PEBBLES; POORLY SORTED. 3.0-4.5': MODERATE BROWN; OCCASIONAL PEBBLES; POORLY SORTED. 4.5-6.0': GRAYISH BLACK (N2); CLAY BINDER; DENSE IN PLACE; SMALL PIECES OF METAL (FILL). 6.0-10.0': DARK YELLOWISH BROWN (10YR4/2); POORLY CONSOLIDATED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 7/22/86
	86.25	10	BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO.: MISS-223R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-224R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1800,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/22/86	7/22/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.2'	7.5'/88.7'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.2	0	0.0-1.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	94.7		1.5-10.0': SILTY SAND (SM-SC); COLOR STATIFIED; FINE TO COARSE GRAINED; SOFT; POORLY CONSOLIDATED FROM 1.5-4.0 FT BUT DENSE FROM 4.0-10.0 FT; FEW ORGANICS TO 4.0 FT; SLIGHTLY MOIST TO SATURATED AT 7.5 FT. 1.4-4.0': DARK YELLOWISH BROWN (10YR4/2); POORLY CONSOLIDATED; FEW ORGANICS. 4.0-7.5': MODERATE BROWN (5YR3/4) WITH GRAYISH BLACK (N2) 0.5-1.0" CLAYEY LENSES; CLAY BINDER; DENSE IN PLACE. 7.5-8.5': GRAY (N3). 8.5-10.0': DARK REDDISH BROWN (10R3/4); CLAY BINDER; DENSE IN PLACE.	▽ 7/22/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		5		
	86.2	10	BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-224R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-225R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1700,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/22/86	7/22/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.0'	7.5'/88.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.0	0	0.0-4.5': SANDY SILT (ML-MC); DARK YELLOWISH BROWN (10YR4/2); WITH A GRAYISH BROWN (5YR3/2) CLAYEY ZONE FROM 3.5-4.0 FT; FINE GRAINED WITH AN OCCASIONAL COBBLE; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS IN UPPERMOST 0.5 FT (GRASS ROOTS); SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	91.5	5	4.5-10.0': SILTY SAND (SM-SC); COLOR STRATIFIED; FINE TO MEDIUM GRAINED; POORLY SORTED; MOIST TO SATURATED FROM 7.5-10.0 FT. 4.5-7.5': DARK YELLOWISH ORANGE (10YR6/6); POORLY CONSOLIDATED. 7.5-10.0': DARK YELLOWISH BROWN (10YR4/2); CLAY BINDER; DENSE IN PLACE.	▽ 7/22/86
	86.0	10	BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-225R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-226R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1700,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/22/86	7/22/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	95.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	95.0	0		
	94.5		0.0-0.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			0.5-5.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; MOIST.	
	90.0	5	0.5-1.5': DARK REDDISH BROWN (10R3/4); FINE GRAINED OCCASIONAL PEBBLES AND SMALL COBBLES.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			1.5-3.5': DARK YELLOWISH BROWN (10YR4/2); WITH DARK REDDISH BROWN SANDSTORE PEBBLES.	
			3.5-4.0': DARK REDDISH BROWN (10R3/4); FINE TO COARSE GRAINED.	
		10	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-226R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-227R
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N1700, E1400
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/22/86
COMPLETED	7/22/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	95.6'
DEPTH/EL. GROUND WATER	4.5'/91.1'
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY:	D.McGRANE

Column headings: SAMPLE TYPE AND DIAMETER; SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); ELEVATION; DEPTH; GRAPHIC LOG; SAMPLE; DESCRIPTION AND CLASSIFICATION *; NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.

Sample type	Elevation	Depth	Description and Classification *	Notes
AUGER, 6", THROUGHOUT.	95.6	0	0.0-0.5': SILTY SAND (SM-SC): MODERATE BROWN (5YR3/4); FINE GRAINED; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	95.1		0.5-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED; FINE TO COARSE GRAINED; SOFT; MOSTLY DENSE IN PLACE, BUT LOOSE (POORLY CONSOLIDATED) FROM 4.0-5.0 FT; MOIST TO SATURATED (4.5-5.0 FT).	▽ 7/22/86
	90.6	5	0.5-3.5': DARK REDDISH BROWN (10R3/4) WITH 1-2" DARK YELLOWISH BROWN (10YR4/2) CLAYEY LENSES AND PIECES OF RED BRICK (FILL). 4.0-5.0': DARK YELLOWISH BROWN (10YR4/2); POORLY SORTED; POORLY CONSOLIDATED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		10	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS — HOLE NO. MISS-227R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-22BR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1700,E1200	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	95.4'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							95.4	0				
							95.1				0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.3-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL PROFILE; FINE TO COARSE GRAINED; SOFT; MOIST. 0.3-1.5': DARK REDDISH BROWN (10R3/4); OCCASIONAL GRAVEL; POORLY CONSOLIDATED; POORLY SORTED.	
							90.4	5			1.5-5.0': DARK YELLOWISH BROWN (10YR4/2) WITH 1-2" PALE GREEN (5G7/2) CLAY-RICH LENSES; DENSE IN PLACE.	
											BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS REFILLED WITH ASPHALT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-22BR

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-229R	
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1700,E1300	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/23/86	COMPLETED: 7/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 10.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 10.0'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A
SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 95.6'	DEPTH/EL. GROUND WATER: 8.0'/87.6'	DEPTH/EL. TOP OF ROCK: N/A
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	95.6	0	0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (ML-SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; POORLY SORTED; POORLY CONSOLIDATED; MOIST. 1.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	90.6	5	5.0-6.0': SANDY SILT (ML-CL); PALE GREEN (5G7/2); SOFT; DENSE IN PLACE; MOIST.	
	89.6		6.0-10.0': SILTY SAND (SM); DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED; SOFT; DENSE IN PLACE; MOIST TO SATURATED AT 8.0 FT.	▽ 7/23/86
	85.6	10	BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS — HOLE NO.: MISS-229R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-230R		
SITE: MAYWOOD INTERIM STORAGE SITE-NJVIS	COORDINATES: N1600,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A		
BEGUN: 7/23/86	COMPLETED: 7/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"	OVERBURDEN (FT.): 10.0'
ROCK (FT.): 0.0'	TOTAL DEPTH: 10.0'	CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 95.9'	DEPTH/EL. GROUND WATER: 6.0'/89.9'	DEPTH/EL. TOP OF ROCK: N/A	SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	95.9	0		
	94.9		0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); MOSTLY FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
		5	1.0-10.0': SILTY SAND (SM); DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST TO SATURATED AT 6.0 FT.	▽ 7/23/86
	85.9	10		
			BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		35		

Other column headings: SAMPLER ADVANCE / LENGTH CORE RUN; SAMPLE RECOVERY / CORE RECOVERY; SAMPLE BLOWS / % / PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-NJVIS

HOLE NO.: MISS-230R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-231R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N1600,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.5'	5.0'/91.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.5	0		
	95.5		0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; POORLY CONSOLIDATED (LOOSE); NUMEROUS ORGANICS (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	91.5	5	1.0-5.0': SILTY SAND (SM); DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST TO SATURATED AT 5.0 FT.	
			BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		10		
		15		
		20		
				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other column headings (no entries): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE-NJVIS	HOLE NO. MISS-231R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-232R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1500,E1200	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							97.0	0			0.0-1.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); SOFT; POORLY CONSOLIDATED(LOOSE); NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							95.5				1.5-5.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; POORLY CONSOLIDATED (LOOSE); MOIST. 1.5-3.0': DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	
							92.0	5			BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-232R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-233R
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N1600,E1200
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/23/86
COMPLETED	7/23/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	96.0
DEPTH/EL. GROUND WATER	NONE OBSERVED
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.0	0	0.0-1.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	94.5		1.5-5.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; POORLY CONSOLIDATED (LOOSE); MOIST. 1.5-3.0': DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	
	91.0	5	BOTTOM OF HOLE AT 5.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Column headings with no entries: SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO. MISS-233R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-234R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1600,E1110	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.0	0		
	95.7		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-3.0': DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	
	91.0	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH 0.3 FT OF ASPHALT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	HOLE NO. MISS-234R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-235R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N1600,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.1'	8.0'/88.1'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	% PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								96.1	0				
AUGER, 6", THROUGHOUT.								94.6				0.0-1.5': SANDY SILT (OL); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; POORLY CONSOLIDATED (LOOSE); NUMEROUS ROOTS AND ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
									5			1.5-10.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST TO SATURATED AT 8.0 FT. 1.5-5.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 5.0-10.0': DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED WITH A FEW ROUNDED PEBBLES.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 7/23/86
								86.1	10			BOTTOM OF HOLE AT 10.0 FT. DRILL SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
									15				
									20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
									25				
									30				
									35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-NJVIS	MISS-235R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-236R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1500,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.6'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.6	0		
	95.6		0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	91.6	5	1.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL PROFILE; FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); SLIGHTLY MOIST. 1.0-3.5': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 3.5-5.0': DARK YELLOWISH BROWN (10YR4/2); FEW ORGANICS.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-236R

GEOLOGIC DRILL LOG

GEOLOGIC DRILL LOG	PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-237R
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1400,E1000	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/23/86	COMPLETED: 7/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 5.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'		
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 97.0
DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.0	0		
	96.0		0.0-1.0': SANDY SILT (ML): MODERATE BROWN (5YR3/4); FINE GRAINED, CLAY BINDER; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND OTHER ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	92.0	5	1.0-5.0': SILTY SAND (SM): COLOR STRATIFIED SOIL PROFILE; FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); SLIGHTLY MOIST. 1.0-3.0': DARK YELLOWISH ORANGE (10YR6/6); FEW ROUNDED SMALL PEBBLES. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS | HOLE NO.: MISS-237R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-23BR
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1300,E1000	ANGLE FROM HORIZ.: 90°	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/23/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	20.0'	0.0'	20.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.0	0		
	96.0		0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR 3/4); FINE GRAINED; CLAY BINDER; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND OTHER ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
		5	1.0-20.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL PROFILE; SEQUENCE GRADES FROM FINE TO COARSE GRAINED (1.0-14.0 FT) TO A CLEAN FINE GRAINED SAND (14.0-20.0 FT); SOFT; POORLY CONSOLIDATED (LOOSE); SLIGHTLY MOIST TO SATURATED AT 13.0 FT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			1.0-6.0': DARK YELLOWISH ORANGE (10YR6/6); WITH OCCASIONAL 1" DARK REDDISH BROWN CLAYEY ZONES; FINE TO MEDIUM GRAINED; OCCASIONAL ROUNDED PEBBLES.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10	6.0-14.0': DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED.	
			14.0-20.0': DARK YELLOWISH BROWN (10YR4/2); MOSTLY FINE GRAINED; CLEAN (SM).	
				▽ 7/23/86
		15		
	77.0	20		
			BOTTOM OF HOLE AT 20.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS — HOLE NO.: MISS-23BR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-239R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1500,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.8'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.8	0		
	96.5		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	93.8		0.3-3.0': SANDY SILT (ML-CL); COLOR STRATIFIED SOIL HORIZON; FINE GRAINED; SOFT; POORLY SORTED; CLAY BINDER; DENSE IN PLACE; MOIST. 0.3-1.5': DARK YELLOWISH BROWN (10YR4/2). 1.5-3.0': MODERATE BROWN (5YR3/4).	
	91.8	5	3.0-5.0': SILTY SAND (SM); COLOR STRATIFIED; FINE TO MEDIUM GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST. 3.0-3.5': DARK YELLOWISH ORANGE (10YR6/6). 3.5-5.0': DARK YELLOWISH BROWN (10YR4/2).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		10	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Column headings also include: SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS "N"; PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-239R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-240R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1200,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.6'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.6	0		
	96.6		0.0-1.0': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	92.6	5	1.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO COARSE GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST. 1.0-3.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	HOLE NO. MISS-240R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-241R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1100,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.2'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.2	0		
	97.2		0.0-1.0': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			1.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO COARSE GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST.	
	93.2	5	1.0-3.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); CONTAINS ROUNDED PEBBLES OF VARIOUS LITHOLOGIES.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-241R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-242R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N992,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	2.0'	1.0'	3.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.5'	NONE OBSERVED	2.0'/97.5'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.5	0		0.0-1.0': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); DRY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
				1.0-2.0': SILTY SAND (SM); DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED; POORLY SORTED; POORLY CONSOLIDATED; SOFT; SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	96.5	3.0		2.0-3.0': DECOMPOSED SANDSTONE; DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOME SILT; TOTALLY DECOMPOSED TO HIGHLY WEATHERED; SOFT WITH NUMEROUS MODERATELY HARD PIECES OF CONSOLIDATED SANDSTONE; MOIST.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
				BOTTOM OF HOLE AT 3.0 FT.	AUGER REFUSAL AT 3.0 FT.
				AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		5			
		10			
		15			
		20			ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25			
		30			
		35			

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-242R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-243R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N800,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	2.0'	2.0'	4.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.1'	NONE OBSERVED	2.0'/96.2'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.1	0		
	97.1		0.0-1.0'; SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	96.1		1.0-2.0'; SILTY SAND (SM); DARK YELLOWISH ORANGE (10YR6/6) WITH OCCASIONAL 0.5-2.0" PIECES OF DARK REDDISH BROWN (10R3/4) SANDSTONE; MOSTLY FINE TO MEDIUM GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); SOFT; MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	94.1	4.0	2.0-4.0'; DECOMPOSED SANDSTONE; DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOME SILT; SOFT TO MODERATELY HARD (REFUSAL AT 4.0 FT); TOTALLY DECOMPOSED TO HIGHLY WEATHERED; POORLY CONSOLIDATED WITH NUMEROUS PIECES OF WELL CONSOLIDATED SANDSTONE; MOIST.	
			BOTTOM OF HOLE AT 4.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	AUGER REFUSAL AT 4.0 FT.
				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-243R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-244R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-NJVIS	N000,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.6'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.6	0		
	96.1		0.0-1.5': SANDY SILT (OL-ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	94.1		1.5-3.5': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO COARSE GRAINED WITH A FEW 0.5-2.0" PIECES OF WELL CONSOLIDATED SANDSTONE; SOFT; POORLY SORTED; POORLY CONSOLIDATED; MOIST.	
	93.6		3.5-4.0': SANDY SILT (ML-CL); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; CLAYEY; STICKY; DENSE IN PLACE; MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	92.6	5	4.0-5.0': SILTY SAND (SM); AS IN 1.5-3.5' ABOVE.	
		10	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-NJVIS	MISS-244R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-245R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N700,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.3'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.3	0	0.0-2.0': SANDY SILT (OL-ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS).	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	95.3		2.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT WITH PIECES OF MODERATELY HARD SANDSTONE; POORLY SORTED; POORLY CONSOLIDATED; MOIST. 2.0-4.0': MODERATE BROWN (5YR3/4) SPECKLED WITH A LIGHT GRAY (N7) SILTY MATERIAL (FILL?). 4.0-5.0': DARK REDDISH BROWN (10R3/4).	
	92.3	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-245R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-246R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N700,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.7'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.7	0		
	97.2		0.0-0.5': SANDY SILT (ML); DARK YELLOWISH BROWN (5YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS GRASS ROOTS AND OTHER ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	92.7	5	0.5-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; MOSTLY FINE TO MEDIUM GRAINED WITH 20% ROUNDED GRAVEL OF VARIOUS LITHOLOGIES. 0.5-2.0': SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); DRY. 0.5-1.0': DARK YELLOWISH ORANGE (10YR6/6). 1.0-2.0': DARK YELLOWISH BROWN. 2.0-5.0': DARK REDDISH BROWN (10R3/4); VERY SILTY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

	SITE	HOLE NO.
SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-246R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-247R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N700,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.1'	6.5'/90.6'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.1	0		
	95.6		0.0-1.5': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED; NUMEROUS ORGANICS, ESPECIALLY IN UPPER 0.5 FT (GRASS ROOTS); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	93.6		1.5-3.5': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); MOSTLY FINE TO MEDIUM GRAINED WITH A FEW ROUNDED PEBBLES OF VARIOUS LITHOLOGIES; SOFT; POORLY SORTED; POORLY CONSOLIDATED; SLIGHTLY MOIST.	
	91.6	5	3.5-5.5': SANDY SILT (ML-CL); GRAYISH BLACK (N2) WITH 0.5-1.0" PALE GREEN (5G7/2) CLAYEY LENSES; SOFT; DENSE IN PLACE; NUMEROUS ORGANICS (POSSIBLE REDUCING ZONE); MOIST.	▽ 7/25/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	87.1	10	5.5-10.0': SILTY SAND (SM); AS 1.5-3.5 FT, COLOR STRATIFIED; MOIST TO SATURATED AT 6.5 FT. 5.5-7.5': LIGHT OLIVE GRAY (5Y5/2); FINE TO MEDIUM GRAINED. 7.5-10.0': DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED. BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-247R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-248R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N000,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/25/86	7/25/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	8.5'	0.0'	8.5'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.1'	8.0'/89.1'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							97.1	0				
AUGER, 6", THROUGHOUT.							93.6				0.0-3.5': SANDY SILT (OL-ML); DARK YELLOWISH BROWN (10YR4/2) WITH OCCASIONAL PIECES OF DARK REDDISH BROWN (10R3/4) SANDSTONE; MOSTLY FINE GRAINED WITH OCCASIONAL PEBBLES AND COBBLES; POORLY SORTED; HUMIC ROOTS (0.0-0.5 FT) AND ORGANICS; DRY; PIECES OF RED BRICK AND GLASS (FILL).	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5			3.5-8.5': SILTY SAND (SM) WITH TWO CLAYEY (SC) LENSES; COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; LOOSE TO DENSE IN PLACE; MOIST TO SATURATED AT 8.0 FT. 3.5-5.5': MODERATE BROWN (5YR3/4) WITH A FEW 1.0-2.0" GRAYISH BLACK (N2) CLAYEY LENSES; DENSE IN PLACE; OCCASIONAL PIECES OF BRICK, GLASS, AND SANDSTONE (FILL). 5.5-6.0': CLAYEY LENSE (SC); PALE BLUE (5PB7/2); DENSE; STICKY. 6.0-8.5': DARK REDDISH BROWN (10R3/4) WITH A FEW 1.0-3.0" DENSE, GRAYISH BLACK LENSES; CLAY BINDER; OCCASIONAL PIECES OF POORLY TO WELL CEMENTED SANDSTONE.	▽ 7/25/86
							88.6	8.5			BOTTOM OF HOLE AT 8.5 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	AUGER REFUSAL AT 8.5 FT.
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-248R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-249R	
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N900,E1500	ANGLE FROM HORIZ. 90°	BEARING N/A	
BEGUN 7/28/86	COMPLETED 7/28/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE 6"
OVERBURDEN (FT.) 5.0'	ROCK (FT.) 0.0'	TOTAL DEPTH 5.0'		
CORE RECOVERY (FT./%) N/A	CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 97.9'
DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK N/A			
SAMPLE HAMMER WEIGHT/FALL N/A	CASING LEFT IN HOLE: DIA./LENGTH N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.9	0	0.0-5.0': SILTY SAND (SM); DARK REDDISH BROWN 5YR3/4; FINE TO MEDIUM GRAINED WITH NUMEROUS SANDSTONE PEBBLES AND GRAVEL; POORLY SORTED; POORLY CONSOLIDATED NUMEROUS GRASS ROOTS AND ORGANICS IN UPPERMOST 0.5 FT; DECOMPOSED SANDSTONE; DRY TO SLIGHTLY	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	92.9	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		

Column headings also include: SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS | HOLE NO. MISS-249R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-250R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1000,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	0.0'	2.5'	2.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.7'	NONE OBSERVED	0.0'/99.7'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION *	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.7	0		0.0-2.5': DECOMPOSED SANDSTONE: DARK REDDISH BROWN (10R3/4) ARGILLACEOUS (SAND FINE TO MEDIUM GRAINED; TOTALLY DECOMPOSED TO HIGHLY WEATHERED; AUGER SPOILS CONSIST OF UNCONSOLIDATED (LOOSE), SOFT, SILTY SAND AND MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; FEW GRASS ROOTS AND ORGANICS IN UPPERMOST 0.5 FT. DRY.	
	97.2	2.5		BOTTOM OF HOLE AT 2.5 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. AUGER REFUSAL AT 2.5 FT.
		10			
		15			SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
		20			ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25			
		30			
		35			

Other column headings (no entries): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GAL. PER 5'; PRESSURE P.S.I.; TIME IN MINUTES); SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-250R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-25IR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1100,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	0.0'	1.0'	1.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	100.7'	NONE OBSERVED	1.0'/99.7'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	100.7	0		
	99.7	1.0	0.0-1.0': DECOMPOSED SANDSTONE: DARK REDDISH BROWN (10R3/4) ARGILLACEOUS; FINE TO MEDIUM GRAINED; TOTALLY DECOMPOSED TO HIGHLY WEATHERED; AUGER SPOILS CONSIST OF UNCONSOLIDATED (LOOSE), SOFT, SILTY SAND (SM) AND MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; FEW GRASS ROOTS AND ORGANICS IN UPPERMOST 0.5 FT. DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			BOTTOM OF HOLE AT 1.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		5, 10, 15, 20, 25, 30, 35		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other column headings (empty): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS; PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M., PRESSURE P.S.I., TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-25IR

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-252R
SITE	MAYWOOD INTERIM STORAGE SITE - NJVIS
COORDINATES	N1200,E1500
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/28/86
COMPLETED	7/28/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	2.0'
ROCK (FT.)	1.5'
TOTAL DEPTH	3.5'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	100.6'
DEPTH/EL. GROUND WATER	NONE OBSERVED
DEPTH/EL. TOP OF ROCK	2.0'/98.6'
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	100.6	0	0.0-2.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO COARSE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); DRY. 0.0-0.5': DARK REDDISH BROWN (10R3/4); FEW ORGANICS; NUMEROUS PIECES OF SANDSTONE GRAVEL. 0.5-2.0': DARK YELLOWISH BROWN (10YR4/2).	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	98.6	2.0	2.0-3.5': DECOMPOSED SANDSTONE; DARK REDDISH BROWN ARGILLACEOUS; FINE TO MEDIUM GRAINED; TOTALLY DECOMPOSED; HIGHLY WEATHERED. AUGER SPOILS CONSIST OF UNCONSOLIDATED (LOOSE), SOFT, SILTY SAND (SM) AND MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; DRY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
	97.1	3.5	BOTTOM OF HOLE AT 3.5 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS — HOLE NO.: MISS-252R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-253R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1300,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	N/A	10.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							99.0	0			0.0-1.0': SANDY SILT (ML); DARK YELLOWISH BROWN (10YR4/2); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
							98.0				1.0-10.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO COARSE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE) WITH ONE DENSE CLAYEY (SC) ZONE (7.0-7.5 FT); DRY TO VERY MOIST.	
								5			1.0-4.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED; DRY.	
											4.0-7.0': DARK YELLOWISH BROWN; CLEAN (SW); MOIST.	
											7.0-7.5': CLAYEY SILTY SEAM WITH NUMEROUS ROUNDED PEBBLES OF VARIOUS LITHOLOGIES; DARK REDDISH BROWN (10R3/4); MOIST.	
							89.0	10			7.5-10.0': DARK REDDISH BROWN; OCCASIONAL ROUNDED PEBBLES; VERY MOIST (NEAR GROUND WATER LEVEL).	
											BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-253R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-254R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1400,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.9'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.9	0		
	97.9		0.0-1.0': SANDY SILT (OL); DARK REDDISH BROWN (10R3/4); SOFT; FINE TO MEDIUM GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); NUMEROUS ROUNDED PEBBLES; NUMEROUS ROOTS AND ORGANICS; DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	93.9	5	1.0-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; SOFT; FINE TO MEDIUM GRAINED; MOSTLY POORLY CONSOLIDATED (LOOSE); SLIGHTLY MOIST TO MOIST. 1.0-3.0': DARK YELLOWISH BROWN (10YR4/2) WITH A 1.0" DENSE, CLAYEY, GRAYISH BLACK (N2) ORGANIC LAYER (2.5-2.6 FT). 3.0-4.0': DARK YELLOWISH ORANGE (10YR6/6). 4.0-5.0': DARK REDDISH BROWN.	
		10	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-254R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-255R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1500,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	97.0'	4.5'/92.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							97.0	0				
							96.5				0.0-0.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
							92.0	5			0.5-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY SORTED; POORLY CONSOLIDATED (LOOSE); MOIST TO SATURATED AT 4.0 FT. 0.5-3.0': DARK YELLOWISH ORANGE (10YR6/6). 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2).	∇ 7/28/86
											BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
								10				
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-255R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-256R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1600,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.0	0	0.0-3.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED BUT DENSE IN PLACE; CLAY BINDER; NUMEROUS GRASS ROOTS (0.0-0.5 FT) AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	93.0		3.0-5.0': SILTY SAND (SM); MOTTLED DARK YELLOWISH BROWN (10YR4/2) AND DARK YELLOWISH ORANGE (10YR6/6) WITH A FEW PALE GREEN (5G7/2) SILTY LENSES(3.0-4.0 FT); FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST.	
	91.0	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-256R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-257R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1700,E1490	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/28/86	7/28/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.1'	4.5'/91.6'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.1	0		
	95.6		0.0-0.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	
	91.1	5	0.5-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED WITH NUMEROUS CLAYEY LENSES OF VARIOUS COLORS; FINE TO MEDIUM GRAINED; SOFT; UNCONSOLIDATED (LOOSE)/OCCASIONALLY DENSE (TIGHTLY PACKED CLAYEY LENSES); MOIST TO SATURATED AT 4.5 FT. 0.5-2.0': DARK REDDISH BROWN (10R3/4) WITH DENSE GRAYISH BLACK (N2) CLAYEY LENSES. 2.0-5.0': DARK YELLOWISH BROWN (10YR4/2) WITH DENSE DARK YELLOWISH ORANGE (10YR6/6) AND PALE GREEN (5G7/2) CLAYEY LENSES.	▽ 7/28/86 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		10	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other column headings (blank): SAMPLER ADVANCE, LENGTH CORE RUN; SAMPLE RECOVERY, SOLID CORE RECOVERY; SAMPLE BLOWS; % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M., PRESSURE P.S.I., TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-257R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-25BR	
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1500,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/28/86	COMPLETED: 7/28/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 5.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'		
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 97.0'
DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.0	0	(0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	96.0		1.0-5.0': SILTY SAND (SM-SC); MOTTLED DARK YELLOWISH BROWN (10YR4/2) AND DARK YELLOWISH ORANGE (10YR6/6) WITH OCCASIONAL 1.0' DENSE, PALE GREEN (5G7/2) SILT LENSES AND DARK REDDISH BROWN (10R3/4) SANDSTONE GRAVEL; SOFT; POORLY CONSOLIDATED (LOOSE);	
	92.0	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS | HOLE NO.: MISS-25BR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-26IR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1400,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/30/86	7/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.9'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							98.9	0				
AUGER, 6", THROUGHOUT.							97.9				0.0-1.0': SANDY SILT (ML); BLACK; FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
							93.9	5			1.0-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE) BUT CLAYEY AND DENSE (1.0-3.3 FT); MOIST. 1.0-3.0': DARK REDDISH BROWN (10R3/4). 3.0-3.3': ORGANIC LAYER, BLACK. 3.3-4.0': DARK YELLOWISH BROWN (10YR4/2). 4.0-5.0': DARK YELLOWISH ORANGE (10YR6/6).	
								10			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
								15				
								20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
								25				
								30				
								35				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-26IR

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-262R
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N1400,E1300
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/30/86
COMPLETED	7/30/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	98.8'
DEPTH/EL. GROUND WATER	NONE OBSERVED
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.8	0		
	97.8		0.0-1.0': SANDY SILT (ML); BLACK; FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	93.8	5	1.0-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE) BUT CLAYEY AND DENSE (1.0-3.3 FT); MOIST. 1.0-3.0': DARK REDDISH BROWN (10R3/4). 3.0-3.3': ORGANIC LAYER, BLACK. 3.3-4.0': DARK YELLOWISH BROWN (10YR4/2).	
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO.: MISS-262R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	NISS-263R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1500,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/30/86	7/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	96.8'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	96.8	0		
	94.8		0.0-2.0': SANDY SILT (OL-ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT-POORLY CONSOLIDATED (LOOSE); NUMEROUS ROOTS (0.0-0.5 FT) AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	91.8	5	2.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 2.0-4.0': DARK YELLOWISH ORANGE (10YR6/6). 4.0-5.0': DARK YELLOWISH BROWN (10YR4/2); MOSTLY MEDIUM GRAINED.	
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	NISS-263R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-264R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1400,E1200	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/30/86	7/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.5'	8.0'/90.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.5	0		
	98.0		0.0-0.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		5	0.5-10.0': SILTY SAND(SM); COLOR STRATIFIED SOIL HORIZONS; FINE-COARSE GRAINED; POORLY SORTED; POORLY CONSOLIDATED (LOOSE) WITH A DENSE CLAYEY ZONE. 0.5-2.0': DARK REDDISH BROWN (10R3/4); CLAY BINDER; FINE TO MEDIUM GRAINED; FEW ORGANICS. 0.5-2.0': MOIST-SATURATED AT 8.0 FT. 2.0-6.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 6.0-10.0': DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED.	▽ 7/30/86
	88.5	10	BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-264R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-265R	
SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	COORDINATES: N1300,E1200	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 7/30/86	COMPLETED: 7/30/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 5.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A
SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 99.1'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.1	0		
	98.8		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM) COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-1.0': MODERATE BROWN (5YR3/4) WITH PIECES OF DARK REDDISH BROWN (10R3/4) SANDSTONE GRAVEL. 1.0-5.0': DARK YELLOWISH BROWN (10YR4/2); OCCASIONAL ROUNDED QUARTZ PEBBLES.	
	94.1	5	BOTTOM OF HOLE AT 5.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		
				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS

HOLE NO.: MISS-265R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-266R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1300,1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/30/86	7/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.3'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.3	0		
	98.0		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM) COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-2.5': DARK YELLOWISH BROWN (10YR4/2). 2.5-3.5': DARK YELLOWISH ORANGE (10YR6/6). 3.5-5.0': DARK YELLOWISH BROWN.	
	93.3	5	BOTTOM OF HOLE AT 5.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		
				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-266R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-267R
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N1185,E1188
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	7/30/86
COMPLETED	7/30/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	10.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	10.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	99.5'
DEPTH/EL. GROUND WATER	9.8'/89.7'
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D.McGRANE

Sample type and diameter	Elevation	Depth	Description and classification*	Notes on water levels, water return, character of drilling, etc.
AUGER, 6", THROUGHOUT.	99.5	0	0.0-2.0': SANDY SILT (OL-ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS (0.0-0.5 FT) AND ORGANICS; SLIGHTLY MOIST. OCCASIONAL ROUNDED PEBBLES AND 1.0-2.0" GRAVEL; SLIGHTLY MOIST TO SATURATED AT 9.8 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	97.5			
		5	2.0-10.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE-MEDIUM GRAINED; SOFT POORLY CONSOLIDATED (LOOSE) WITH ONE DENSE PALE GREEN (5G 7/2) CLAYEY ZONE (6.0-6.5') OCCASIONAL ROUNDED PEBBLES AND 1-2 IN. GRAVEL. SLIGHTLY MOIST-SATURATED AT 9.8 FT. 2.0-4.0': DARK REDDISH BROWN (10R3/4). 4.0-10.0': MOTTLED DARK YELLOWISH BROWN (10YR4/2) AND DARK YELLOWISH ORANGE (10YR6/6).	
	89.5	10	BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	▽ 7/30/86
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO. MISS-267R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP				JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-26BR
SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS		COORDINATES: N1000,E1100			ANGLE FROM HORIZ. 90°	BEARING N/A
BEGUN 7/30/86	COMPLETED 7/30/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE 6"	OVERBURDEN (FT.) 5.0'	ROCK (FT.) 0.0' / TOTAL DEPTH 5.0'
CORE RECOVERY(FT./%) N/A	CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 99.5'	DEPTH/EL. GROUND WATER NONE OBSERVED	DEPTH/EL. TOP OF ROCK N/A
SAMPLE HAMMER WEIGHT/FALL N/A		CASING LEFT IN HOLE: DIA./LENGTH N/A		LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.5	0		
	98.5		0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			1.0-5.0': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED WITH NUMEROUS PIECES OF SANDSTONE; SOFT; POORLY SORTED; POORLY CONSOLIDATED; MOIST.	
	94.5	5	BOTTOM OF HOLE AT 5.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS | HOLE NO. MISS-26BR

GEOLOGIC DRILL LOG

GEOLOGIC DRILL LOG	PROJECT: FUSRAP	JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-26SR
SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	COORDINATES: N1400,E1100		ANGLE FROM HORIZ. 90°	BEARING N/A
BEGUN 7/30/86	COMPLETED 7/30/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE 6"
OVERBURDEN (FT.) 5.0'	ROCK (FT.) 0.0'	TOTAL DEPTH 5.0'		
CORE RECOVERY (FT./%) N/A	CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 98.5'
DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.5	0	0.0-1.0': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	97.5		1.0-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE) WITH OCCASIONAL DENSE CLAYEY LENSES (1.0-2.5 FT AND 4.0-4.3 FT); SLIGHTLY MOIST.	
			1.0-2.5': MODERATE BROWN (5YR3/4); OCCASIONAL PIECES OF RED BRICK AND GRAVEL, AND A FEW 1.0-2.0" CLAYEY LENSES.	
			2.5-5.0': DARK REDDISH BROWN (10R3/4) WITH A GRAYISH BLACK (N2) ORGANIC LAYER (4.0-4.3 FT); NUMEROUS PIECES OF SANDSTONE GRAVEL.	
	93.5	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other columns (empty): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS "N" PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GALS. PER MIN.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-26SR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-270R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE NJVIS	N1300,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/30/86	7/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.5'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.5	0	0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED, BY EBERLINE ANALYTICAL CORPORATION.
	98.2		0.3-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-1.0': MODERATE BROWN (5YR3/4). 1.0-3.0': DARK YELLOWISH ORANGE (10YR6/6). 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); LESS FINES.	
	93.5	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE NJVIS	MISS-270R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-27IR
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N900,E1400
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	8/4/86
COMPLETED	8/4/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.5'
ROCK (FT.)	1.5'
TOTAL DEPTH	7.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	97.9'
DEPTH/EL. GROUND WATER	3.5'/94.4'
DEPTH/EL. TOP OF ROCK	5.5'/92.4'
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	97.9	0		
	97.6		0.0-0.3 FT ASPHALT.	
	94.4		0.3-3.5': SILTY SAND (SM); MODERATE BROWN (5YR3/4); FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); OCCASIONAL DARK REDDISH BROWN (10R3/4) SANDSTONE GRAVEL; DRY.	▽ 8/10/86
	92.4	5	3.5-5.5': SILTY SAND (SM-SC); GRAY (N6) WITH 0.25-0.5' LENSES OF PALE GREEN (5G7/2); FINE GRAINED SOFT; POORLY CONSOLIDATED (LOOSE) BUT DENSE IN PLACE; CLAYEY; OCCASIONAL WOOD CHIPS; SATURATED; FILL?.	
	90.9	7.0	5.5-7.0': DECOMPOSED SANDSTONE: DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED (ARGILLACEOUS); SOFT TO MODERATELY HARD DRILL SPOILS CONSIST OF SILTY SAND WITH NUMEROUS PIECES OF POORLY TO WELL CEMENTED GRAVEL; TOTALLY DECOMPOSED, HIGHLY WEATHERED.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		10	BOTTOM OF HOLE AT 7.0 FT.	AUGER REFUSAL AT 7.0 FT.
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO. MISS-27IR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-272R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1000,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	0.3'	3.2'	3.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.5'	NONE OBSERVED	0.3'/99.2'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.5	0		
	99.2		0.0-0.3': ASPHALT.	
	96.0	3.5	0.3-3.5': DECOMPOSED SANDSTONE; DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED (ARGILLACEOUS); SOFT TO MODERATELY HARD; DRILL SPOILS CONSIST OF SILTY SAND (SM) WITH NUMEROUS PIECES OF POORLY TO WELL CEMENTED SANDSTONE GRAVEL; TOTALLY DECOMPOSED HIGHLY WEATHERED, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		5	BOTTOM OF HOLE AT 3.5 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-272R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-273R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1100,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	0.3'	0.7'	1.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	100.7'	NONE OBSERVED	0.3'/100.4'

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT	100.7	0	0.0-0.3': ASPHALT.	
	99.7	1.0	0.3-1.0': DECOMPOSED SANDSTONE; DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED (ARGILLACEOUS); SOFT TO MODERATELY HARD; DRILL SPOILS CONSIST OF SILTY SAND (SM) WITH NUMEROUS PIECES OF POORLY TO WELL CEMENTED SANDSTONE GRAVEL; TOTALLY DECOMPOSED TO HIGHLY WEATHERED; DRY.	AUGER REFUSAL AT 1.0 FT.
			BOTTOM OF HOLE AT 1.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	

Other column headings: SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS | HOLE NO.: MISS-273R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-274R		
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1200,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A		
BEGUN: 8/4/86	COMPLETED: 8/4/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"	OVERBURDEN (FT.): 5.0'
ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'	CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 100.0'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A	SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	100.0	0		
	99.7		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOFT; WITH NUMEROUS PIECES OF MODERATELY HARD, POORLY TO WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED (LOOSE); DRY; DECOMPOSED SANDSTONE.	
	95.0	5	BOTTOM OF HOLE AT 5.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		
				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS | HOLE NO.: MISS-274R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-275R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1300,E1400	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.1'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.1	0		
	98.8		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED (FEW FINES); SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-2.0': MODERATE BROWN (5YR3/4). 2.0-5.0': DARK YELLOWISH ORANGE (10YR6/6).	
	94.1	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	HOLE NO. MISS-275R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-27GR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1200,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.5'	7.0'/92.5'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							99.5	0				
AUGER, 6", THROUGHOUT.							89.5	0–10	SILTY SAND		0.0-10.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO COARSE GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; SLIGHTLY MOIST TO SATURATED AT 7.0 FT. 0.0-3.0': MODERATE BROWN (5YR3/4); VERY SILTY; FINE GRAINED. 3.0-6.0': DARK YELLOWISH ORANGE (10YR6/6); FINE TO MEDIUM GRAINED. 6.0-10.0': DARK YELLOWISH BROWN (10YR4/2); FINE TO COARSE GRAINED.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED, BY EBERLINE ANALYTICAL CORPORATION. ▽ 8/4/86
								10–35			BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM. * DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-27GR

GEOLOGIC DRILL LOG

GEOLOGIC DRILL LOG	PROJECT: FUSRAP	JOB NO.: 14501-130	SHEET NO.: 1 OF 1	HOLE NO.: MISS-277R

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	COORDINATES: N1100,E1300	ANGLE FROM HORIZ.: 90°	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.5'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
	99.5	0		
AUGER, 6", THROUGHOUT.	99.2		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	94.5	5	0.3-5.0': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOFT WITH NUMEROUS PIECES OF MODERATELY HARD, POORLY TO WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED (LOOSE); DRY; DECOMPOSED SANDSTONE?	
			BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10–35		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other column headings: SAMPLER ADVANCE / LENGTH CORE RUN; SAMPLE RECOVERY / CORE RECOVERY; SAMPLE BLOWS or PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS — HOLE NO.: MISS-277R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	NISS-278R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1000,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.4'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.4	0	0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOFT WITH NUMEROUS PIECES OF MODERATELY HARD, POORLY TO WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED (LOOSE); DRY; DECOMPOSED SANDSTONE?.	
	94.4	5	BOTTOM OF HOLE AT 5.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - NJVIS	NISS-278R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-279R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N900,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/4/86	8/4/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	98.2'	7.0'/91.2'	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.2	0		
	97.9		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-10.0': SILTY SAND (SM-SC); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT WITH OCCASIONAL PIECES OF MODERATELY HARD SANDSTONE GRAVEL (2.5-10.0 FT); POORLY CONSOLIDATED (LOOSE); FEW ORGANICS; MOIST TO SATURATED AT 7.0 FT.	
		5	2.5-6.0': DARK YELLOWISH BROWN (10YR4/2); CLAY BINDER (SC).	
			6.0-6.5': GRAYISH BLACK (N2); ORGANIC LAYER.	▽ 8/4/86
			6.5-10.0': DARK REDDISH BROWN (10R3/4); VERY SILTY; DECOMPOSED SANDSTONE.	
	88.2	10	BOTTOM OF HOLE AT 10.0 FT.	
			AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-279R

GEOLOGIC DRILL LOG

Project	Job No.	Sheet No.	Hole No.
FUSRAP	14501-138	1 OF 1	MISS-200R

Site	Coordinates	Angle from Horiz.	Bearing
MAYWOOD INTERIM STORAGE SITE - NJVIS	N1220,E1270	90°	N/A

Begun	Completed	Driller	Drill Make and Model	Hole Size	Overburden (Ft.)	Rock (Ft.)	Total Depth
8/5/86	8/5/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

Core Recovery (Ft./%)	Core Boxes	Samples	El. Top of Casing	Ground El.	Depth/El. Ground Water	Depth/El. Top of Rock
N/A	N/A	N/A	N/A	99.5'	NONE OBSERVED	N/A

Sample Hammer Weight/Fall	Casing Left in Hole: Dia./Length	Logged By
N/A	N/A	D.McGRANE

Sample Type and Diameter	Elevation	Depth	Description and Classification*	Notes on: Water Levels, Water Return, Character of Drilling, Etc.
AUGER, 6", THROUGHOUT.	99.5	0	0.0-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED WITH OCCASIONAL PIECES OF REDDISH BROWN (10YR4/2) SANDSTONE GRAVEL AND PEBBLES AT VARIOUS LITHOLOGIES; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.0-1.0': MODERATE BROWN (5YR3/4); NUMEROUS GRASS ROOTS AND ORGANICS. 1.0-4.0': DARK YELLOWISH ORANGE (10YR6/6).	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	94.5	5	BOTTOM OF HOLE AT 5.0 FT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
		35		

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

Site	Hole No.
MAYWOOD INTERIM STORAGE SITE - NJVIS	MISS-200R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-201R	
SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	COORDINATES: N1100,E1200	ANGLE FROM HORIZ.: 90°	BEARING: N/A	
BEGUN: 8/5/86	COMPLETED: 8/5/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"
OVERBURDEN (FT.): 1.0'	ROCK (FT.): 5.0'	TOTAL DEPTH: 6.0'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A
SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 99.5'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: 1.0'/98.5'
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE		

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT							99.5	0			0.0-1.0': SILTY SAND (SM): MODERATE BROWN (5YR3/4); FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
							98.5				1.0-6.0': DECOMPOSED SANDSTONE: DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; ARGILLACEOUS; SOFT TO MODERATELY HARD; DRILL SPOILS CONSIST OF SILTY SAND (SM) WITH NUMEROUS PIECES OF POORLY TO WELL CEMENTED SANDSTONE GRAVEL; TOTALLY DECOMPOSED.	
							93.5	6.0			BOTTOM OF HOLE AT 6.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	AUGER REFUSAL AT 6.0 FT.
								10, 15, 20, 25, 30, 35				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
												* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS	HOLE NO.: MISS-201R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-202R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - MJVIS	N1000,E1200	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/5/86	8/5/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.6'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D.McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	"N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	PRESSURE PSI	TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.								99.6	0			0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED, BY EBERLINE ANALYTICAL CORPORATION.
												0.3-5.0': SILTY SAND (SM); DARK REDDISH BROWN (5YR3/4); FINE TO MEDIUM GRAINED; SOFT WITH NUMEROUS PIECES OF MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED (LOOSE); MOIST; DECOMPOSED SANDSTONE?.	
								94.6	5			BOTTOM OF HOLE AT 5.0 FT.	
												AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
									10				
									15				
									20				ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
									25				
									30				
									35				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE - MJVIS	MISS-202R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-203R
SITE	MAYWOOD INTERIM STORAGE SITE - MJVIS
COORDINATES	N840,E1215
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	8/5/86
COMPLETED	8/5/86
DRILLER	MORETRENCH ENVIRONMENTAL SERVICES
DRILL MAKE AND MODEL	MOBILE B-33
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.	98.7'
DEPTH/EL. GROUND WATER	NONE OBSERVED
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY	D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	98.7	0	0.0-1.5': SANDY SILT (ML); MODERATE BROWN (5YR3/4); FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); NUMEROUS GRASS ROOTS AND ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED, BY EBERLINE ANALYTICAL CORPORATION.
			1.5-5.0': SILTY SAND (SM); DARK REDDISH BROWN (10R3/4); FINE TO MEDIUM GRAINED; SOFT WITH NUMEROUS PIECES OF MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED, BUT NEAR REFUSAL; MOIST; DECOMPOSED SANDSTONE?.	
	93.7	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - MJVIS

HOLE NO. MISS-203R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-204R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE - NJVIS	N900,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/5/86	8/5/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	99.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.0	0	0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	98.7		0.3-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED WITH NUMEROUS PIECES OF MODERATELY HARD, WELL CEMENTED SANDSTONE GRAVEL; POORLY CONSOLIDATED (LOOSE); DRY TO MOIST. 0.3-2.5': DARK YELLOWISH BROWN (10YR4/2); DRY. 2.5-5.0': DARK REDDISH BROWN (10R3/4); MOIST; DECOMPOSED SANDSTONE.	
	94.0	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other columns (empty): SAMPLER ADVANCE LENGTH/CORE RUN; SAMPLE RECOVERY/CORE RECOVERY; SAMPLE BLOWS / % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GPM; PRESSURE P.S.I.; TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	HOLE NO. MISS-204R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-28SR		
SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS	COORDINATES: N1000,E1100	ANGLE FROM HORIZ.: 90°	BEARING: N/A		
BEGUN: 8/5/86	COMPLETED: 8/5/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6"	OVERBURDEN (FT.): 5.0'
ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 99.6'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A	SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D.McGRANE

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	99.6	0		
	99.3		0.0-0.3': ASPHALT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION, AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			0.3-5.0': SILTY SAND (SM); COLOR STRATIFIED SOIL HORIZONS; FINE TO MEDIUM GRAINED; SOFT; POORLY CONSOLIDATED (LOOSE); MOIST. 0.3-1.0': MODERATE BROWN (5YR3/4). 1.0-5.0': DARK REDDISH BROWN (10R3/4); CONTAINS NUMEROUS PIECES OF SANDSTONE GRAVEL.	
	94.6	5	BOTTOM OF HOLE AT 5.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE AND THE HOLE WAS RESEALED WITH ASPHALT.	
		10		
		15		
		20		ELEVATIONS ESTABLISHED RELATIVE TO AN ARBITRARY DATUM.
		25		
		30		
		35		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

Other columns (blank): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M., PRESSURE P.S.I., TIME IN MINUTES); GRAPHIC LOG; SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE - NJVIS | HOLE NO.: MISS-28SR

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-130	SHEET NO.: 1 OF 1	HOLE NO.: MISS-624R

SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1892,E1396	ANGLE FROM HORIZ.: 90°	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/24/87	2/24/87	MORETRENCH ENV. SERV.	CME-55	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		5.0'/	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. MCGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	PRESSURE PSI	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER.									0			0.0-0.3': ASPHALT.	
												0.3-1.0': GRAVEL; 1.0-2.0'.	
												1.0-10.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (2.0-10.0'), COLOR STRATIFIED; FINE TO MEDIUM GRAINED WITH FEW TO NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST TO SATURATED AT 5.0'. 1.0-2.0': MODERATE BROWN; FEW ORGANICS; FILL? 2.0-10.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/24/87 (at 5) SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
									10			BOTTOM OF HOLE AT 10.0 FT. AUGER SPOILS WERE IMMEDIATELY REPLACED IN THE HOLE, 2/24/87.	
									15				
									20				
									25				
									30				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ** NOT AVAILABLE.
									35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: MISS - N.J. INSPECTION STATION	HOLE NO.: MISS-624R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-62SR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1890,E1307	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/24/87	2/24/87	MORETRENCH ENV. SERV.	CME-55	6"	10.0'	0.0'	10.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		5.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. MCGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–10	0.0-10.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (2.0-10.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-CH); MOIST - SATURATED AT 5.0'. 0.0-2.0': MODERATE BROWN (5YR3/4); NUMEROUS GRASS ROOTS (0.0-0.5') AND ORGANICS; DISTURBED UPPER SOIL HORIZON? 2.0-10.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/24/87 (at 5.0'). SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	10	BOTTOM OF HOLE AT 10.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/24/87.	

Other columns (Sampler advance length/core run; Sample recovery/core recovery; Sample blows "N" percent core recovery; Water pressure tests: Loss in G.P.M., Pressure P.S.I., Time in minutes; Elevation**; Graphic log; Sample) contain no entries. Depth scale: 0, 5, 10, 15, 20, 25, 30, 35.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-62SR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-626R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1935,E1475	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/24/87	2/24/87	MORETRENCH ENV. SERV.	CME-55	6"	9.0'	0.0'	9.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		5.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "N"	PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GAL.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER									0–9.0			0.0-9.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (2.0-9.0'), COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST -SATURATED AT 5.0'. 0.0-2.0': MODERATE BROWN (5YR3/4); FEW ORGANICS; FILL OR DISTURBED UPPER SOIL HORIZON? 2.0-9.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/24/87 (at 5)
									10–35			BOTTOM OF HOLE AT 9.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/24/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-626R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-627R		
SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1640,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A		
BEGUN: 2/25/87	COMPLETED: 2/25/87	DRILLER: MORETRENCH ENV. SERV.	DRILL MAKE AND MODEL: CME-55	HOLE SIZE: 6"	OVERBURDEN (FT.): 4.5'
ROCK (FT.): N/A	TOTAL DEPTH: 4.5'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.**:	DEPTH/EL. GROUND WATER**: 3.0' /	DEPTH/EL. TOP OF ROCK: N/A	SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–4.5	0.0-4.5': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (0.5-4.5'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 3.0'. 0.0-0.5': BLACK; NUMEROUS GRASS ROOTS AND ORGANICS. 0.5-1.5': MODERATE BROWN (5YR3/4); FEW ORGANICS; DISTURBED SOIL HORIZON? 1.5-4.5': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	∇ 2/25/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		BOTTOM OF HOLE AT 4.5 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/25/87.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION — HOLE NO.: MISS-627R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-62OR	
SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1730,E1400	ANGLE FROM HORIZ.: 90°	BEARING: N/A	

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/25/87	2/25/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		4.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	0.0-5.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (0.5-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED. 0.0-1.5': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS (0.0-0.5') AND ORGANICS; MIXED FILL AND STREAM SEDIMENTS. 1.5-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE. BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT, 2/25/87.	▽ 2/25/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION — HOLE NO.: MISS-62OR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-629R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1763,E1386	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/25/87	2/25/87	MORETRENCH ENV. SERV.	CME-55	6"	7.0'	0.0'	7.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		4.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–7.0	0.0-7.0': SILTY SAND (SM); FILL AND INDIGENOUS MATERIAL (3.5-7.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 4.0 FT. 0.0-3.5': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS; CLAYEY; MIXED FILL AND STREAM SEDIMENTS? 3.5-7.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/25/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		BOTTOM OF HOLE AT 7.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT, 2/25/87.	

Other columns (not filled): SAMPLER ADVANCE/LENGTH CORE RUN; SAMPLE RECOVERY/CORE RECOVERY; SAMPLE BLOWS % OR PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GAL. PER 5', PRESSURE P.S.I., TIME IN MINUTES); ELEVATION**; GRAPHIC LOG; SAMPLE.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-629R

GEOLOGIC DRILL LOG

Field	Value
PROJECT	FUSRAP
JOB NO.	14501-138
SHEET NO.	1 OF 1
HOLE NO.	MISS-630R
SITE	MISS - N.J. INSPECTION STATION
COORDINATES	N1850,E1400
ANGLE FROM HORIZ.	90°
BEARING	N/A
BEGUN	2/25/87
COMPLETED	2/25/87
DRILLER	MORETRENCH ENV. SERV.
DRILL MAKE AND MODEL	CME-55
HOLE SIZE	6"
OVERBURDEN (FT.)	5.0'
ROCK (FT.)	0.0'
TOTAL DEPTH	5.0'
CORE RECOVERY (FT./%)	N/A
CORE BOXES	N/A
SAMPLES	N/A
EL. TOP OF CASING	N/A
GROUND EL.**	
DEPTH/EL. GROUND WATER**	5.0' /
DEPTH/EL. TOP OF ROCK	N/A
SAMPLE HAMMER WEIGHT/FALL	N/A
CASING LEFT IN HOLE: DIA./LENGTH	N/A
LOGGED BY:	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–5			0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (0.5-5.0'), COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'. 0.0-0.5': MODERATE BROWN (5YR3/4); NUMEROUS GRASS ROOTS AND ORGANICS. 0.5-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/25/87
								5–35			BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/25/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-630R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-631R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1775,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/25/87	2/25/87	MORETRENCH ENVIRONMENTAL SERVICE	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		4.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–5			0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (0.0-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'.	▽ 2/25/87
											0.0-1.0': MODERATE BROWN (5YR 3/4), MOTTLED GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS; FILL AND STREAM SEDIMENT. 1.0-3.0': DARK REDDISH BROWN (10YR 4/2); DECOMPOSED SANDSTONE. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE. BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE. 2/25/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-631R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-632R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1750,E1300	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/25/87	2/25/87	MORETRENCH ENV. SERV.	CME-55	6"	7.0'	0.0'	7.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.**	DEPTH/EL. GROUND WATER**	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A		5.0' /	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–7			0.0-7.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (0.0-7.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'. 0.0-1.0': MODERATE BROWN (5YR3/4); NUMEROUS GRASS ROOTS AND ORGANICS. FILL? 1.0-4.5': MOTTLED MODERATE BROWN AND DARK REDDISH BROWN (10R3/4); DISTURBED UPPER SOIL HORIZON? 4.5-7.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/25/87 (at 5)
								7–35			BOTTOM OF HOLE AT 7.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/25/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

Depth scale: 0, 5, 7, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER	SITE	HOLE NO.
	MISS - N.J. INSPECTION STATION	MISS-632R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP		JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-633R
SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1822,E1300		ANGLE FROM HORIZ.: 90°	BEARING: N/A
BEGUN: 2/25/87	COMPLETED: 2/25/87	DRILLER: MORETRENCH ENV. SERV.	DRILL MAKE AND MODEL: CME-55	HOLE SIZE: 6"
OVERBURDEN (FT.): 7.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 7.0'	CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A
SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.**:	DEPTH/EL. GROUND WATER**: 5.0' /	DEPTH/EL. TOP OF ROCK: N/A
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE		

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–7.0	0.0-0.3': ASPHALT.	
		0.3-0.6': GRAVEL, 2.0".	
		0.6-7.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (3.5-7.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'.	▽ 2/25/87 (at 5.0)
		0.6-3.5': DARK YELLOWISH ORANGE (10YR6/6); FILL?	
		3.5-7.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	
	7.0	BOTTOM OF HOLE AT 7.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/25/87.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION | HOLE NO.: MISS-633R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP		JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-634R
SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1776,E1203		ANGLE FROM HORIZ.: 90°	BEARING: N/A
BEGUN: 2/25/87	COMPLETED: 2/25/87	DRILLER: MORETRENCH ENV. SERV.	DRILL MAKE AND MODEL: CME-55	HOLE SIZE: 6"
OVERBURDEN (FT.): 14.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 14.0'		
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: **
DEPTH/EL. GROUND WATER: 8.0' / **	DEPTH/EL. TOP OF ROCK: N/A			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE		

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0.0–14.0	0.0-0.3': ASPHALT. 0.3-0.6': GRAVEL, 2.0". 0.6-14.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (5.0-14.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY 0.6-14.0': (SC-OH); MOIST - SATURATED AT 8.0'. 0.6-5.0': DARK REDDISH BROWN (10R3/4); FILL. 5.0-14.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. ▽ 2/25/87
	14.0–35	BOTTOM OF HOLE AT 14.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS, 2/25/87.	* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ** ELEVATIONS NOT AVAILABLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION — HOLE NO.: MISS-634R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-635R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1749,E1192	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/25/87	2/25/87	MORETRENCH ENV. SERV.	CME-55	6"	7.0'	0.0'	7.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	4.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER.	0–7.0	0.0-7.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (4.0-7.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 4.0'. 0.0-1.0': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS. 1.0-4.0': DARK REDDISH BROWN (10R3/4). FILL OR ALLUVIAL SOIL?	▽ 2/25/87
	7.0	BOTTOM OF HOLE AT 7.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/25/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

Other columns (Sampler advance length core run; Sample recovery core recovery; Sample blows or percent core recovery; Water pressure tests: loss in G.P.M., pressure P.S.I., time in minutes; ** Elevation; Graphic log; Sample): blank.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-635R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	NISS-636R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
NISS - N.J. INSPECTION STATION	N1747,E1805	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	8.0'	0.0'	8.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	6.5' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	** ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER.								0–8.0			0.0-8.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (4.0-8.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 6.5'. 0.0-6.0': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS (0.0-0.5') AND ORGANICS; OCCASIONAL PIECE OF GLASS; NUMEROUS ROUNDED PEBBLES (5.5-6.0'); FILL AND STREAM SEDIMENT? 6.0-7.0': GRAY (N6); SOIL? 7.0-8.0': DARK YELLOWISH BROWN (10YR4/2) DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. ▽ 2/26/87
											BOTTOM OF HOLE AT 8.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ** NOT AVAILABLE.

Depth scale: 0, 5, 8.0, 10, 15, 20, 25, 30, 35

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER	SITE	HOLE NO.
	NISS - N.J. INSPECTION STATION	NISS-636R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-637R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1820,E1190	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	4.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (1.5-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 4.0'. 0.0-0.5': GRAYISH BLACK (N2) STREAM SEDIMENT USED AS TOPSOIL? 0.5-1.5': DARK REDDISH BROWN (10R3/4); FILL. 1.5-5.0': DARK YELLOWISH BROWN (10YR 4/2); DECOMPOSED SANDSTONE	▽ 2/26/87
		BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.

Other column headings: SAMPLER ADVANCE / LENGTH CORE RUN; SAMPLE RECOVERY / CORE RECOVERY; SAMPLE BLOWS "N" PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GAL. PER FT.; PRESSURE P.S.I.; TIME IN MINUTES); ** ELEVATION; GRAPHIC LOG; SAMPLE.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-637R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-63OR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1818,E1106	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	10.0'	0.0'	10.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	5.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–10			0.0-10.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (6.0-10.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'. 0.0-0.5': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); MIXED FILL AND STREAM SEDIMENT USED AS TOPSOIL. 0.5-6.0': DARK REDDISH BROWN (10R3/4); FILL. 6.0-7.0': GRAYISH BLACK; STREAM SEDIMENT. 7.0-10.0': DARK YELLOWISH BROWN; DECOMPOSED SANDSTONE.	▽ 2/26/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
								10–35			BOTTOM OF HOLE AT 10.0 FT. HOLE WAS IMMEDIATELY FACKFILLED WITH CLEAN AUGER SPOILS. 2/26/87.	* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MISS - N.J. INSPECTION STATION	MISS-63OR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	NISS-639R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
NISS - N.J. INSPECTION STATION	N1855,E1100	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	9.0'	0.0'	9.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	5.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–9.0			0.0-9.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (5.0-9.0'), COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 5.0'. 0.0-2.0': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); MIXED FILL AND STREAM SEDIMENTS? 2.0-5.0': DARK YELLOWISH BROWN (10YR4/2); MOTTLED GRAYISH BLACK; MIXED FILL AND STREAM SEDIMENTS. 5.0-6.0': GRAY (N5); RESIDUAL SOIL. 6.0-9.0': DARK YELLOWISH BROWN; DECOMPOSED SANDSTONE.	(5.0) ▽ 2/26/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
								9.0–35			BOTTOM OF HOLE AT 10.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE: NISS - N.J. INSPECTION STATION	HOLE NO. NISS-639R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-64OR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1831,E1004	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	9.0'	0.0'	9.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	5.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–9.0	0.0-9.0': SILTY SAND (SM) FILL AND INDIGENOUS MATERIAL (4.5-9.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED. 0.0-1.0': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); MIXED FILL AND STREAM SEDIMENT; NUMEROUS GRASS ROOTS AND ORGANICS. 1.0-4.5': DARK REDDISH BROWN (10R3/4); MOTTLED MODERATE BROWN; FILL. 4.5-6.5': GRAY (N5); NUMEROUS ORGANICS; STREAM SEDIMENTS. 6.5-9.0': DARK YELLOWISH BROWN (10YR 4/2); DECOMPOSED SANDSTONE.	▽ 2/26/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
		BOTTOM OF HOLE AT 9.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-64OR

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-130	SHEET NO.: 1 OF 1	HOLE NO.: MISS-64IR		
SITE: MISS - N.J. INSPECTION STATION	COORDINATES: N1750,E1000	ANGLE FROM HORIZ.: 90°	BEARING: N/A		
BEGUN: 2/26/87	COMPLETED: 2/26/87	DRILLER: MORETRENCH ENV. SERV.	DRILL MAKE AND MODEL: CME-55	HOLE SIZE: 6"	OVERBURDEN (FT.): 5.0'
ROCK (FT.): 0.0'	TOTAL DEPTH: 5.0'	CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: **	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: N/A	SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (3.0-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST. 0.0-3.0': MODERATE BROWN (5YR3/4); MOTTLED GRAYISH BLACK (N2); MIXED SOIL WITH STREAM SEDIMENTS. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. NO GROUND WATER OBSERVED, 2/26/87.
		BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	

Other columns (empty): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS OR PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GAL. G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); ELEVATION**; GRAPHIC LOG; SAMPLE.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION | HOLE NO.: MISS-64IR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-642R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1650,E1000	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							0.0	0				
6" AUGER.								0–5			0.0-5.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (0.0-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-CH); MOIST. 0.0-1.0': MODERATE BROWN (5YR3/4); FILL. 1.0-3.0': DARK YELLOWISH ORANGE (10YR6/6); SOIL. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. NO GROUND WATER OBSERVED, 2/26/87.
								10			BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS,2/26/87.	
								15				
								20				
								25				
								30				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ** NOT AVAILABLE
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MISS - N.J. INSPECTION STATION	MISS-642R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	NISS-643R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
NISS - N.J. INSPECTION STATION	N1660,E1150	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	4.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER.	0–5	SM	0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (1.0-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 4.0'. 0.0-1.0': MODERATE BROWN (5YR3/4); FILL MIXED WITH STREAM SEDIMENT AND USED AS FILL? 1.0-5.0': DARK YELLOWISH ORANGE (10YR6/6); INDIGENOUS RESIDUAL SOIL.	▽ 2/26/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
			BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/26/87.	

Other column headings (no entries): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS "N" PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN G.P.M.; PRESSURE P.S.I.; TIME IN MINUTES); ELEVATION**; SAMPLE

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
NISS - N.J. INSPECTION STATION	NISS-643R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	NISS-644R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
NISS - N.J. INSPECTION STATION	N1700,E1150	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/26/87	2/26/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	3.5' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	Silty sand	0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (3.0-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 3.5'. 0.0-1.5': GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS. FILL. PROBABLY FORMER STREAM SEDIMENTS. 1.5-3.0': DARK REDDISH BROWN (10R3/4); FILL. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/26/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	5–35		BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE. 2/26/87.	

Other columns (empty): SAMPLER ADVANCE LENGTH CORE RUN; SAMPLE RECOVERY CORE RECOVERY; SAMPLE BLOWS; % PERCENT CORE RECOVERY; WATER PRESSURE TESTS (LOSS IN GPM, PRESSURE P.S.I., TIME IN MINUTES); ELEVATION**; SAMPLE.

Depth scale: 0, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
NISS - N.J. INSPECTION STATION	NISS-644R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-645R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1650,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/27/87	2/27/87	MORETRENCH ENV. SERV.	CME-55	6"	4.5'	0.0'	4.5'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	0.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER								0–4.5			0.0-4.5': SILTY SAND (SM), COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); SATURATED. 0.0-0.5': BLACK; VERY SILTY; NUMEROUS ORGANICS; STREAM SEDIMENTS. 0.5-1.0': DARK YELLOWISH BROWN (10YR4/2); UPPER SOIL HORIZON? 1.0-3.0': GRAY (N5); LOWER SOIL HORIZON? 3.0-4.5': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	∇ 2/27/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
											BOTTOM OF HOLE AT 4.5 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/27/87.	

Depth scale: 0, 4.5, 5, 10, 15, 20, 25, 30, 35

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
** NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE	HOLE NO.
MISS - N.J. INSPECTION STATION	MISS-645R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-64GR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1735,E1507	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/27/87	2/27/87	MORETRENCH ENV. SERV.	CME-55	6"	4.0'	0.0'	4.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	1.5' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER									0–4.0			0.0-4.0': SILTY SAND (SM) FILL AND INDIGENOUS MATERIAL. COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 1.5'. 0.0-1.0': GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS. 1.0-4.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/27/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
												BOTTOM OF HOLE AT 4.0 FT.	
												HOLE WAS IMMEDIATELY BACKFILLED WITH CLEAN AUGER SPOILS, 2/27/87.	

Depth scale: 0, 4.0, 5, 10, 15, 20, 25, 30, 35

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MISS - N.J. INSPECTION STATION	MISS-64GR

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-647R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1773,E1499	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/27/87	2/27/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	3.0' / **	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	0.0-5.0': SILTY SAND (SM). FILL AND INDIGENOUS MATERIAL (0.5-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST - SATURATED AT 3.0'. 0.0-0.5': MODERATE BROWN (5YR3/4); NUMEROUS GRASS ROOTS AND ORGANICS. 0.5-3.0': DARK YELLOWISH ORANGE (10YR6/6); SOIL HORIZON? 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	▽ 2/27/87 SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION.
	10	BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/27/87.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

**NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MISS - N.J. INSPECTION STATION — HOLE NO. MISS-647R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-130	1 OF 1	MISS-64R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1850,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/27/87	2/27/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY(FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GAL. PER FT.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION**	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER.								0–5			0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (0.5-5.0'). COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST. 0.0-0.5': GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS. 0.5-1.5': DARK YELLOWISH ORANGE (10YR6/6); UPPER SOIL HORIZON. 1.5-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. NO GROUND WATER OBSERVED, 2/27/87.
								10			BOTTOM OF HOLE AT 5.0 FT. HOLE BACKFILLED IMMEDIATELY WITH CLEAN AUGER SPOILS AND CEMENT GROUT MIXTURE, 2/27/87.	
								15–35				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. **NOT AVAILABLE

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MISS - N.J. INSPECTION STATION	MISS-64R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-64SR

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MISS - N.J. INSPECTION STATION	N1875,E1500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
2/27/87	2/27/87	MORETRENCH ENV. SERV.	CME-55	6"	5.0'	0.0'	5.0'

CORE RECOVERY (FT./%)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER	DEPTH/EL. TOP OF ROCK
N/A	N/A	N/A	N/A	**	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	D. McGRANE

SAMPLE TYPE AND DIAMETER	DEPTH	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
6" AUGER	0–5	0.0-5.0': SILTY SAND (SM), FILL AND INDIGENOUS MATERIAL (0.0-5.0'), COLOR STRATIFIED; FINE - MEDIUM GRAINED WITH FEW - NUMEROUS PIECES OF SUBANGULAR - ROUNDED GRAVEL OF VARIOUS LITHOLOGIES; SOFT; UNCONSOLIDATED; SOMETIMES CLAYEY (SC-OH); MOIST. 0.0-0.5': GRAYISH BLACK (N2); NUMEROUS GRASS ROOTS AND ORGANICS. 0.5-3.0': DARK YELLOWISH ORANGE (10YR6/6); SOIL HORIZON. 1.0': PIECE OF METAL. 3.0-5.0': DARK YELLOWISH BROWN (10YR4/2); DECOMPOSED SANDSTONE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION AND HOLE GAMMA LOGGED BY EBERLINE ANALYTICAL CORPORATION. NO GROUND WATER OBSERVED, 2/27/87.
		BOTTOM OF HOLE AT 5.0 FT. HOLE WAS IMMEDIATELY BACKFILLED WITH CLEAN AUGER SPOILS, 2-27-87.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

**NOT AVAILABLE

SS-SPLIT SPOON; ST-SHELBY TUBE; D-DENISON; P-PITCHER; O-OTHER

SITE: MISS - N.J. INSPECTION STATION

HOLE NO.: MISS-64SR