DOE/OR/20722-139

Formerly Utilized Sites Remedial Action Program (FUSRAP)
Contract No. DE-AC05-81OR20722

CHARACTERIZATION REPORT FOR THE MAYWOOD INTERIM STORAGE SITE

Maywood, New Jersey

June 1987

Bechtel National, Inc.

045933

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JUL 0 1 1987

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Attention: S. W. Ahrends, Director
Technical Services Division

Subject: Bechtel Job No. 14501, FUSRAP Project
DOE Contract No. DE-AC05-81OR20722
Publication of the Characterization Report
for the Maywood Interim Storage Site
Code: 7310/WBS: 138

Dear Mr. Ahrends:

The following is the response to your letter dated May 28, 1987 Number 87-338 (our CCN 045163).

Enclosed are 25 copies of the subject report. The remaining DOE comments have been incorporated. If you need any additional copies, please contact Tom Dravecky at 576-4274.

Very truly yours,

for G.K. Hovey
J. R. Kannard
Project Manager - FUSRAP

TMD/gmt

cc: S.W. Ahrends
R.G. Atkin
G.K. Hovey
B.A. Hughlett
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CONCURRENCE

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DOE/OR/20722-139

CHARACTERIZATION REPORT FOR THE MAYWOOD INTERIM STORAGE SITE MAYWOOD, NEW JERSEY

JUNE 1987

Prepared for

UNITED STATES DEPARTMENT OF ENERGY

OAK RIDGE OPERATIONS OFFICE

Under Contract No. DE-AC05-81OR20722

By

C.P. Leichtweis, J.A. Liberatore,

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Bechtel Job No. 14501

ABSTRACT

This report describes the procedures used to conduct the radiological and limited chemical characterization of the Maywood Interim Storage Site (MISS) from May through August 1986, and summarizes the results of the characterization. The radiological characterization was performed to identify the extent of contamination exceeding Department of Energy (DOE) radiological guidelines. The limited chemical characterization was performed to assist with developing health and safety requirements for the protection of personnel during remedial action to be conducted at the site in the future.

Ultimately, the data generated during radiological and chemical characterizations will be used to define the complete scope of remedial action necessary to release the site for unrestricted use.

This characterization confirmed that thorium-232 is the primary radioactive contaminant at the MISS. Analysis also identified elevated levels of radium-226 and uranium-238. The surface soil sample results showed maximum concentrations of thorium-232 and radium-226 to be 95.2 and 7.9 pCi/g, respectively. In sediments, concentrations ranged from background levels to 18.3 pCi/g for thorium-232 and from background levels to 5.4 pCi/g for radium-226. Analyses of subsurface soil samples indicated thorium-232 concentrations ranging from background levels to 1699 pCi/g, radium-226 concentrations ranging from background levels to 447 pCi/g, and uranium-238 concentrations from less than 7 to 304 pCi/g. Gamma logging data showed subsurface contamination ranging from the surface to 15 ft deep.

Radon-222 measurements inside Building 76 and the pumphouse were 0.5 and 0.2 pCi/l, respectively.

Results of the limited chemical characterization indicate that there is chemical contamination at the MISS and that it is commingled with the radioactive contamination. However, because holding time

protocols were exceeded by the laboratory, only a general evaluation can be made. The combined results of air, water, and soil sample analyses indicate the presence of volatile organics at certain locations at the MISS. Analyses for base neutral/acid extractables showed a cluster of contamination where radioactive contamination was also identified. Results of analyses for priority pollutant metals indicated a number of hazardous constituents with concentrations above background levels.

Results of the analyses for pesticides and polychlorinated biphenyls (PCBs) showed no detectable levels of these constituents; analyses for Resource Conservation and Recovery Act characteristics showed trace levels.

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ABBREVIATIONS

cm	centimeter
cm^2	square centimeter
cpm	counts per minute
dpm	disintegrations per minute
ft	foot
h	hour
in.	inch
l	liter
m	meter
m^2	square meter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
uR/h	microroentgens per hour
mi	mile
mi^2	square mile
mg/cm^2	milligrams per square centimeter
mrad/h	millirad per hour
mrem	millirem
mrem/yr	millirem per year
min	minute
ppb	parts per billion
ppm	parts per million
pCi/g	picocuries per gram
pCi/l	picocuries per liter
WL	working level
yd	yard
yd^2	square yard
yd^3	cubic yards

1.0 INTRODUCTION AND SUMMARY

1.1 INTRODUCTION

The 1984 Energy and Water Appropriations Act directed the 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. A portion of this property has been designated the Maywood Interim Storage Site (MISS) and is being used for the interim storage of radioactive waste from remedial action operations until a permanent disposal site is developed. In addition to the stored waste, contamination from previous processing operations is buried on the site and will be subject to remedial action in the future. 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 United States 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. As the Project Management Contractor for FUSRAP, Bechtel National, Inc. (BNI) is responsible to DOE for planning, managing, and implementing FUSRAP.

1.2 PURPOSE AND OBJECTIVES

The radiological characterization of the MISS was performed to determine the horizontal and vertical limits of contamination and the ranges of radionuclide concentrations, and to estimate the

volume of contaminated material buried on-site. A limited chemical characterization was performed to provide the information needed to determine containment requirements for any mixed waste and to develop appropriate employee health protection measures to be implemented during remedial action at the MISS.

Additionally, the geological information obtained during the drilling operation was studied to determine where radioactively contaminated materials were deposited and the natural means by which they were transported from the former Maywood Chemical Works plant site.

1.3 SUMMARY

This report summarizes the procedures and results of the radiological and limited chemical characterization of the MISS conducted from May through August 1986.

Ultimately, the data generated during radiological and chemical characterizations will be used to define the complete scope of remedial action necessary to release the site for unrestricted use.

1.3.1 Radiological Summary

This characterization confirmed that thorium-232 is the primary radioactive contaminant at the MISS, although analysis also identified elevated levels of radium-226 and uranium-238. Results of surface soil samples showed maximum concentrations of thorium-232 and radium-226 to be 95.2 and 7.9 pCi/g, respectively. The maximum uranium-238 concentration was less than 68.7 pCi/g. Sediment sample concentrations ranged from background to 18.3 pCi/g for thorium-232 and from background to 5.4 pCi/g for radium-226. Analyses of subsurface soil samples indicated thorium-232 concentrations ranging from background levels to 1699 pCi/g, radium-226 concentrations ranging from background levels to 447 pCi/g, and uranium-238

concentrations from less than 7 to 304 pCi/g. Gamma logging data showed subsurface contamination ranging from the surface to 15 ft deep.

The radon-222 measurements inside Building 76 and the pumphouse were 0.5 and 0.2 pCi/l, respectively.

1.3.2 Chemical Summary

The results of the limited chemical characterization indicate that there is chemical contamination at the MISS and that it is commingled with the radioactive contamination. Results of the volatile organic analyses (VOA) indicated chemical contamination from benzene and toluene at specific locations. Analysis of the base neutral/acid extractables (BNAE) showed a cluster of contamination where radioactive contamination was also identified. The priority pollutant metals analysis results indicated a number of hazardous constituents that showed concentrations above background levels.

Results of the analyses for pesticides and polychlorinated biphenyls (PCB) showed no detectable levels of these constituents; analyses for Resource Conservation and Recovery Act (RCRA) characteristics [i.e., ignitability, corrosivity, reactivity, and the extraction procedure (EP) toxicity test] showed trace levels.

2.0 SITE DESCRIPTION AND HISTORY

2.1 LOCATION AND DESCRIPTION

The MISS is in a highly developed area on the border between the Borough of Maywood and Township of Rochelle Park in the County of Bergen, New Jersey. It is located approximately 12 mi north-northwest of New York city and 13 mi northeast of Newark, New Jersey (Figure 2-1). The population density of this area is approximately 10,000 people per square mile. The MISS is bounded by New Jersey Route 17 on the west; a New York, Susquehanna, and Western Railroad line on the north; and commercial areas to the south and east. Additionally, residential areas are located just north of the railroad and within 300 yd on the west side of Route 17. Figure 2-2 provides an aerial view of the site and surrounding area.

The MISS is a fenced vacant lot occupying 11.7 acres. The site had been part of a 30-acre property owned by the Stepan Company (SC), which was formerly owned by the Maywood Chemical Works. An on-site storage pile covers approximately 2 acres and contains 34,400 yd^3 of low-level radioactive waste; an adjacent area has been cleared and prepared for a second storage pile. There are also access roads and a decontamination facility on SC property. The SC property is also enclosed by a fence, and its buildings are currently used for processing chemicals.

2.2 HISTORY OF SITE AND VICINITY

From 1916 through 1956, the Maywood Chemical Works processed monazite sand (thorium ore) for use in the manufacture of industrial products such as mantles for gas lanterns. Building 76 was constructed on top of the area formerly used for thorium processing. During this time, slurry containing process wastes from the thorium operations was pumped to diked areas west of the plant. In 1932, New Jersey Route 17 was built through this disposal area.

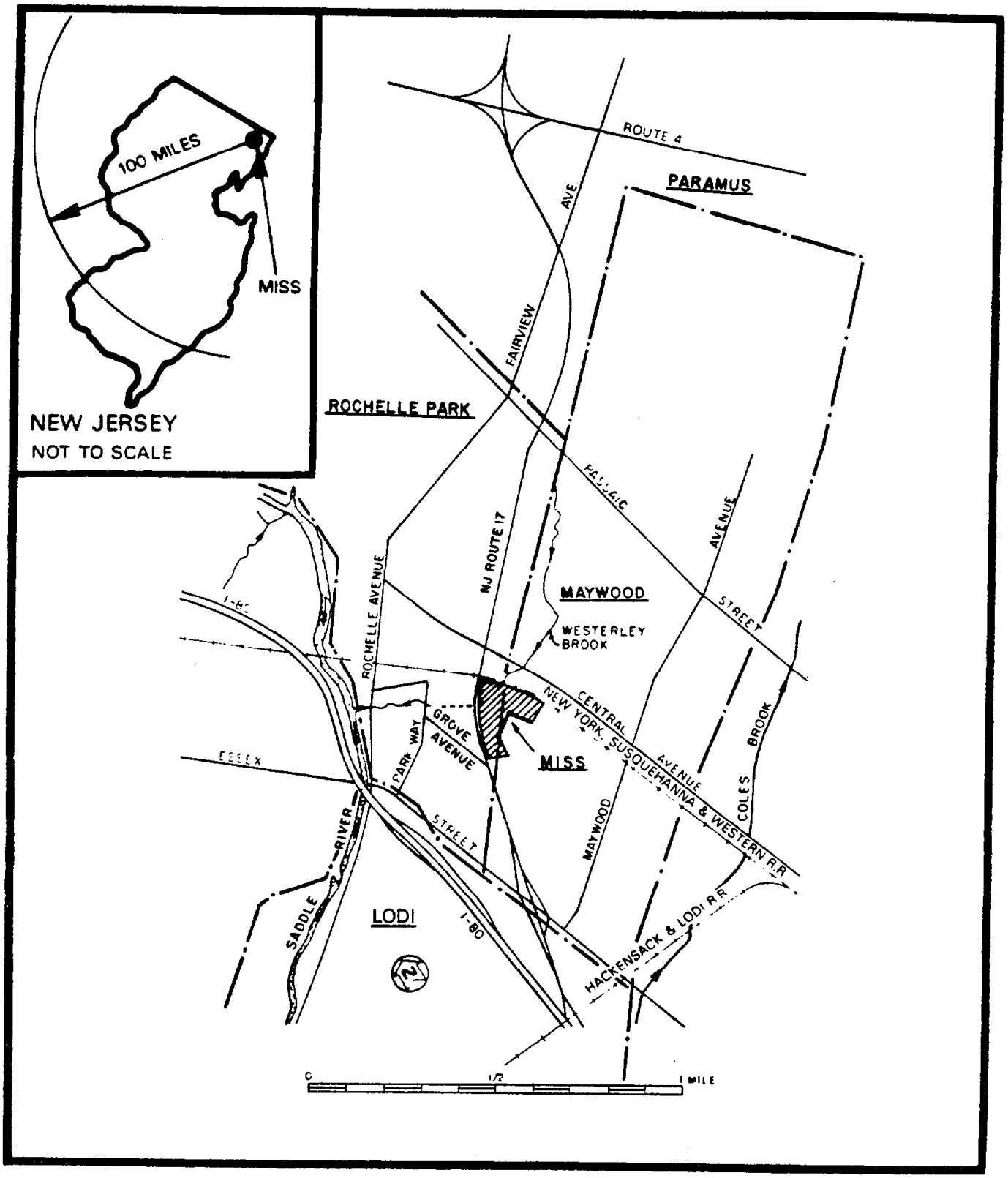

FIGURE 2-1 LOCATION OF THE MISS

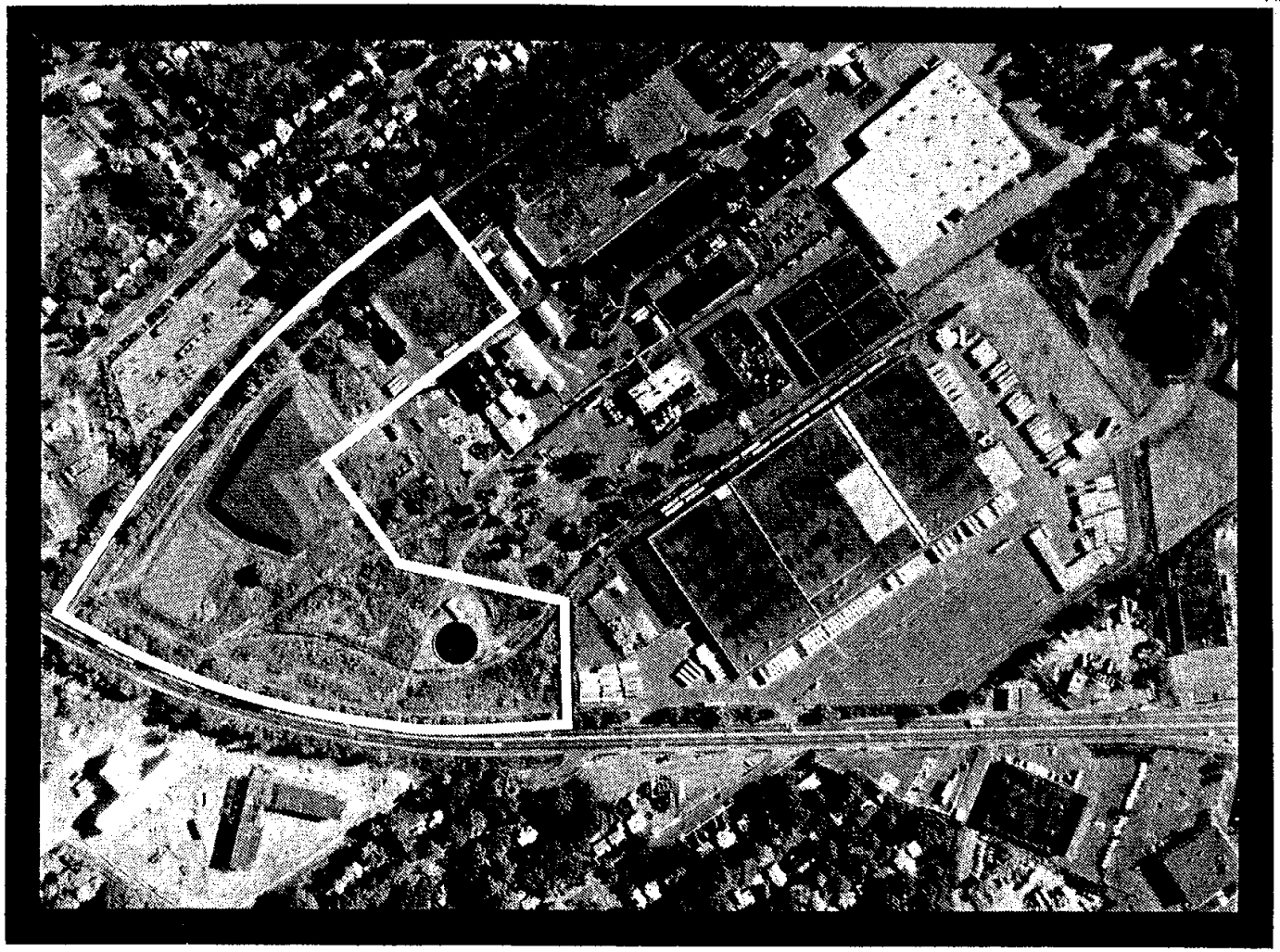

FIGURE 2-2 AERIAL VIEW OF THE MISS AND ITS VICINITY

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. 2). 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 and was sold to the SC in 1959 (Ref. 2).

In 1961, the SC was issued an AEC radioactive materials license (STC-130). Based on AEC inspections and information regarding the property on the west side of New Jersey State Route 17 (the Ballod property), the SC agreed to take certain remedial actions. The cleanup began in 1963; in 1966, 8360 yd^3 of waste was removed from the area west of Route 17 and buried on SC property at Burial Site No. 1, which is now overlain by grass. In 1967, 2050 yd^3 of waste were removed from the same general area and buried on SC property at Burial Site No. 2, which is now a parking lot. In 1968, the SC obtained permission from the AEC to transfer an additional 8600 yd^3 of waste from the south end of the Ballod property and bury it on SC property at Burial Site No. 3, an area where a warehouse was later built (Ref. 2). The waste materials discussed above are located on SC property and are not within the scope of this report; characterization of the SC property is planned in the future.

At the request of the SC, a radiological survey of the south end of the Ballod property was conducted by the AEC in 1968. Based on the findings of that survey, clearance was granted for release of the property for unrestricted use. At the time of the survey, the AEC was not aware of contaminated waste materials still present in the

northwest corner of the property (across Route 17). In 1968, this portion of the SC property was sold to a private citizen who later sold it to Ballod Associates (Ref. 2).

In 1980, the U.S. Nuclear Regulatory Commission (NRC) was notified of elevated radiation levels on the Ballod Associates' property (Ref. 3). This information prompted the NRC to conduct a survey in late 1980 and then direct that a comprehensive survey be conducted to assess the radiological condition of the property. The survey was performed in February 1981 by Oak Ridge Associated Universities (ORAU) with the assistance of a representative from the Region I office of the NRC (Ref. 4). In addition, an aerial radiological survey of the SC site, the Ballod Associates' property, and the surrounding area was conducted by EG&G Energy Measurements Group for the NRC in January 1981 (Ref. 5).

The 1984 Energy and Water Appropriations Act directed DOE to conduct a decontamination research and development project at the site of the former Maywood Chemical Works and properties in its vicinity. During that year, DOE negotiated with the SC to obtain a lease on the land on which the MISS would be established for the storage of contaminated materials removed from the vicinity properties. The land was transferred to DOE ownership in September 1985 to provide an interim storage site for waste from DOE decontamination activities (other than the SC) until a permanent disposal site is available to receive the waste stored at the MISS.

The waste currently stored at the MISS (34,400 yd^3) is the result of remedial actions performed in 1984 and 1985 at several vicinity properties in Maywood, Rochelle Park, and Lodi, New Jersey. In 1984, remedial action was conducted at eight residential properties on Davison and Latham in Maywood, nine residential properties on Grove Avenue and Parkway in Rochelle Park, and the part of the southern portion of the Ballod property that is adjacent to Grove Avenue in Rochelle Park. Remedial action in 1985 was conducted at

eight residential properties in Lodi and the remaining portion of the Ballod property that is south of the railroad spur dividing the property.

2.3 PREVIOUS RADIOLOGICAL SURVEYS

The radiological survey history presented here covers the period from 1980 to the present.

October 1980 - The NJDEP conducted a survey on the SC and Ballod properties in response to information that elevated levels of radioactivity still existed at the Ballod property, which is across Route 17 from the MISS. The New Jersey Department of Environmental Protection (NJDEP) verified the information and notified the NRC Region I office of its findings in November 1980 (Ref. 3).

November - December 1980, January 1981 - The NRC conducted its own survey and verified elevated measurements of thorium-232. It found thorium-232 concentrations of up to 3000 pCi/g on the SC property (Ref. 3).

January 1981 - The NRC directed that a comprehensive survey of the SC property and its vicinity be conducted. Using the SC plant as the center, a 4-mi^2 aerial survey conducted by EG&G identified anomalous concentrations of thorium-232 to the north and south of the SC property (Ref. 5). An ORAU ground survey of the Ballod property conducted at that time confirmed previous survey results (Ref. 4).

June 1981 - In a separate survey, the SC commissioned Henry W. Morton and Nuclear Safety Associates to conduct a survey of the SC and Ballod properties (Ref. 2). The Morton survey also corroborated previous survey results.

2.4 PRESENT SITE CONDITIONS

The MISS currently consists of a storage pile encompassing approximately 2 acres and containing 34,400 yd^3 of low-level radioactive waste, and an area that has been prepared for a second storage pile. The site has two buildings (Building 76 and the pumphouse) and a reservoir. A vehicle decontamination facility is located adjacent to the storage pile on SC property. The majority of the 3-in. diameter and smaller vegetation was cleared from the site before the characterization work to facilitate site activities. Some of this vegetation grows back each spring. The MISS is enclosed by a fence that separates it from the SC property; however, because of the location of this fence, some of the SC property was surveyed.

2.5 REMEDIAL ACTION GUIDELINES

Previous radiological characterizations of the MISS property established the presence of radioactive contamination that was identified as primarily thorium-232, with lesser amounts of radium-226 and uranium-238. Table 2-1 summarizes the DOE guidelines for residual contamination. The thorium-232 and radium-226 limits listed in Table 2-1 will be used to determine the extent of remedial action required at the MISS. DOE developed these guidelines to be consistent with the guidelines established by the Environmental Protection Agency (EPA) for the Uranium Mill Tailings Remedial Action Program.

Although the concentrations for uranium-238 have higher values than thorium-232 concentrations (see Section 5.0), thorium-232 is considered the primary contaminant. As shown in Table 2-1, 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 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

TABLE 2-1

SUMMARY OF RESIDUAL CONTAMINATION GUIDELINES AT THE MISS

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 Surface Residual 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 2-1

(continued)

Indoor/Outdoor Structure Surface Contamination (continued)

Radionuclide[f]	Allowable Surface Residual 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 over a 100-m^2 area is not exceeded.

[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.

concentrations of thorium-232 exceed its guidelines by a greater percentage than uranium-238, thorium-232 is considered the primary contaminant.

Chemical contamination will also be subject to remedial action. To the extent that it is commingled with radioactive contamination, no additional guidelines are required because it will be removed. Chemical contamination that is not commingled with radioactive contamination will be evaluated and appropriate guidelines will be defined to determine what remedial action will be required.

3.0 HEALTH AND SAFETY PLAN

BNI is responsible for protecting the health of personnel assigned to work at the site. As such, all subcontractors and their personnel are required to comply with the provisions of the applicable project instructions cited in this section or as directed by the on-site BNI representative.

3.1 SUBCONTRACTOR TRAINING

Before the start of work, all subcontractor personnel attend an orientation session presented by the BNI representative to explain the nature of the material to be encountered in the work and the required personnel monitoring and safety measures.

3.2 SAFETY REQUIREMENTS

Subcontractor personnel must comply with the following BNI requirements.

- Bioassay - Subcontractor personnel submit bioassay samples before or at the beginning of on-site activity, upon completion of the activity, and periodically during site activities as requested by BNI.
- Protective Clothing/Equipment - Subcontractor personnel are required to wear the protective clothing/equipment specified in the subcontract or as directed by the BNI representative.
- Dosimetry - Subcontractor personnel are required to wear, and return daily, the dosimeters and monitors issued by BNI.
- Controlled Area Access/Egress - Subcontractor personnel and equipment entering areas wherein access and egress are controlled for radiation and/or chemical safety purposes are surveyed by the BNI representative for contamination before leaving those areas.
- Medical Surveillance - Upon written direction from BNI, subcontractor personnel, who work in areas where hazardous chemicals might exist, are given a baseline and periodic health assessment defined in BNI's Medical Surveillance Program.

Radiation and/or chemical safety surveillance of all activities related to the scope of work is under the direct supervision of personnel representing BNI.

The health physics requirements for all activities involving radiation or radioactive material are defined in Project Instruction No. 20.01, the Project Radiation Protection Manual, and implementing procedures.

The industrial hygiene requirements for activities involving chemicals or chemically contaminated materials are defined in Project Instruction No. 26.00, the Environmental Hygiene Manual, and implementing procedures.

Copies of these project instructions and manuals are located on-site for subcontractor's use.

For this characterization effort, environmental hygiene monitoring was conducted continuously during drilling operations with an ENMET CGS-100 and Draeger pump using gas-specific detector tubes. The monitoring was conducted to determine the need of upgrading the level of personnel protection (i.e., the use of respirators), and to assess potential chemical exposure hazards to site personnel. Air sampling protocols were also used to determine the exposure of site personnel to hazardous chemicals during drilling operations. Sampling results showed that on-site personnel received no harmful exposures from hazardous chemicals during characterization activities (Ref. 6).

Additionally, there were no reported injuries or lost-time accidents during the characterization activities.

4.0 SURVEY PROCEDURES

A land survey was conducted in April 1986 to establish a 50-ft grid over the entire MISS. The grid origin (E10000, N10000, Figure 4-1) allows the grid to be reestablished during remedial action and is tied to the New Jersey state grid system. All characterization data correspond to coordinates on this grid.

Before field work began, BNI conducted a site tour with Henry Morton, who was a radiological consultant for the SC (Ref. 2). Discussions with Mr. Morton provided information regarding his experience at the site.

4.1 FIELD RADIOLOGICAL CHARACTERIZATION

4.1.1 Measurements Taken and Methods Used

The characterization plan called for an initial walkover survey using unshielded gamma scintillation detectors to identify areas of elevated radionuclide activity. However, radiation from on-site surface contamination made the unshielded surveys unreliable. Consequently, the near-surface gamma measurements taken using a cone-shielded gamma scintillation detector were used more extensively than anticipated in determining the areas of surface contamination. Using the shielded detector ensured that the majority of the radiation detected by the instrument originated from the ground directly beneath the unit. Shielding against lateral gamma flux, or shine, from nearby areas of contamination minimized potential sources of error in the measurements. The measurements were taken 12 in. above the ground at the intersections of 10-ft grid lines. 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). This calibration demonstrated that 11,000 cpm corresponds to the DOE guideline for surface contamination of 5 pCi/g for thorium-232. This correlation has been corroborated in previous characterization work (Ref. 7).

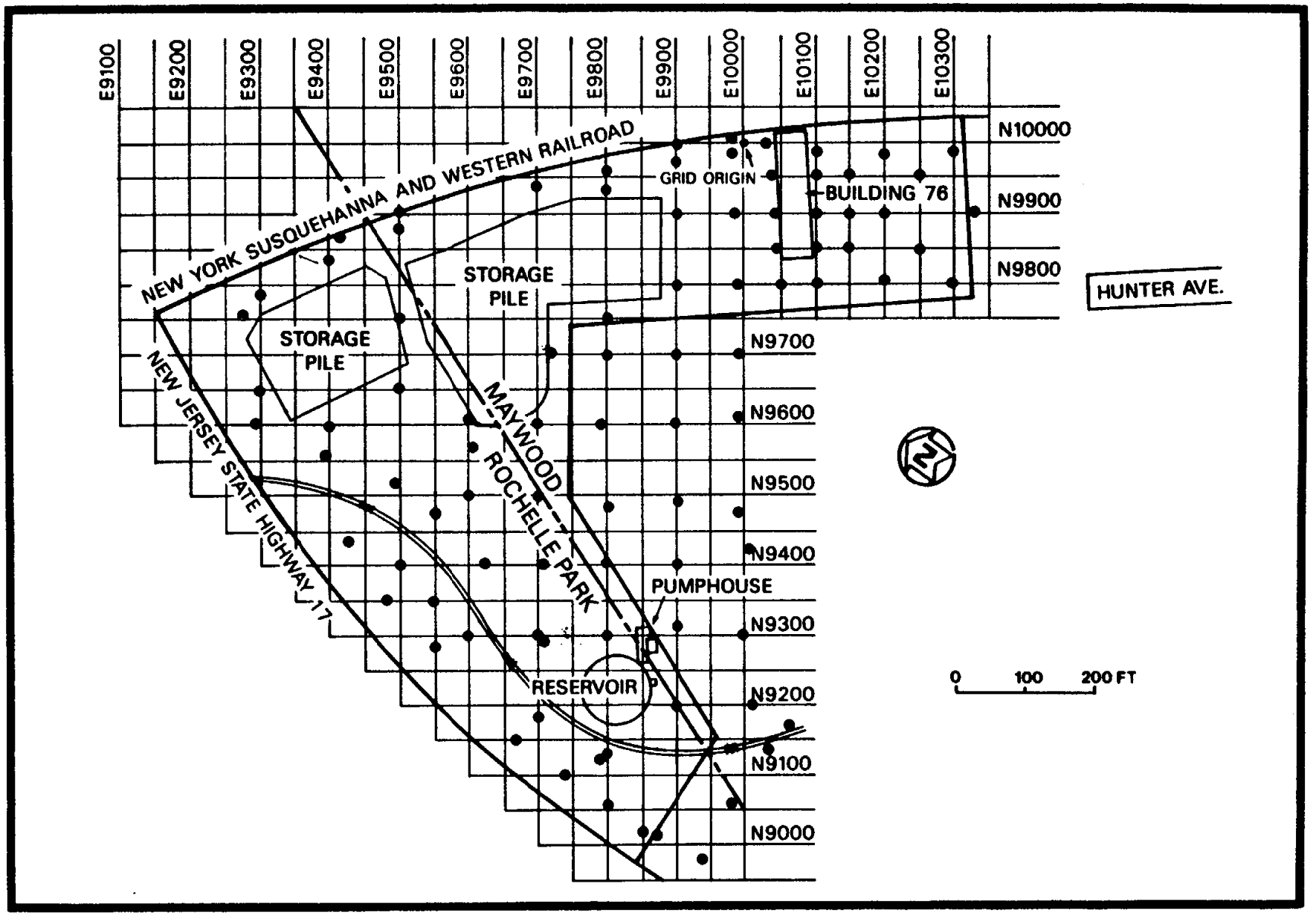

FIGURE 4-1 GRID AND BOREHOLE LOCATIONS AT THE MISS

The subsurface investigation was conducted to determine the depth to which the previously identified surface contamination extends, and to locate subsurface contamination where there is no surface manifestation. The subsurface characterization consisted of drilling and gamma logging 92 boreholes (Figure 4-1) using a 6-in.-diameter auger bit; holes were drilled to depths determined in the field by the radiological and geological support representatives.

The downhole gamma logging technique was used because the procedure can be completed more quickly than collecting soil samples, and it eliminates the need for analyzing these samples in a laboratory. 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 subsurface contamination guideline for thorium-232. This relationship has also been corroborated in results from previous characterizations where thorium-232 was found (Ref. 7).

Gamma radiation measurements were taken at 6-in. vertical intervals, and determined the depth and concentration of the contamination. The gamma logging data were reviewed to identify trends, regardless of whether concentrations exceeded the guidelines. These trends were compared to data from previous radiological characterizations to corroborate the current data and to ensure that contamination limits were correctly established.

4.1.2 Sample Collection and Analysis

To identify surface areas where the level of contamination exceeded the DOE guideline of 5-pCi/g for thorium-232, areas with measurements of more than 11,000 cpm were plotted. Using these data as well as data from previous surveys (Refs. 2, 3, 4, and 5), the locations of bias surface soil samples were selected to better define the limits of contamination. Surface soil samples were taken

at 13 locations (Figure 4-2) and analyzed for thorium-232, radium-226, and uranium-238. Each sample was dried, pulverized, and counted for 10 min using an intrinsic germanium detector housed in a lead counting cave lined with cadmium and copper. The pulse height distribution was sorted using a computer-based, multi-channel analyzer. Radionuclide concentrations were determined by comparing the gamma spectrum of each sample with the spectrum of a certified counting standard for that radionuclide.

Sediment samples were taken from a storm drain and two manholes (Figure 4-2). Each sample was placed in a 0.5-liter plastic container which was then capped and labeled. The sediment samples were analyzed for radium-226 and thorium-232 using the counting procedure described for surface soil samples.

Using the split-spoon sampling method, subsurface soil samples were collected at 30 locations (Figure 4-3) and analyzed to compare laboratory soil sample results to downhole gamma radiation measurements. The subsurface soil samples were analyzed for uranium-238, radium-226, and thorium-232 in the same manner as the surface soil samples.

4.2 BUILDING RADIOLOGICAL CHARACTERIZATION

4.2.1 Measurements Taken and Methods Used

After evaluating previous radiological survey data as well as data from this characterization, it was suspected that there was contamination under the foundation of Building 76. A radon/thoron measurement was obtained to verify the presence of contaminated material under Building 76 and to estimate potential occupational exposures during future remedial actions. A similar measurement was taken in the pumphouse.

Ambient external exposure in Building 76 was also measured. The measurement was taken at 1 m above the floor in the center of the

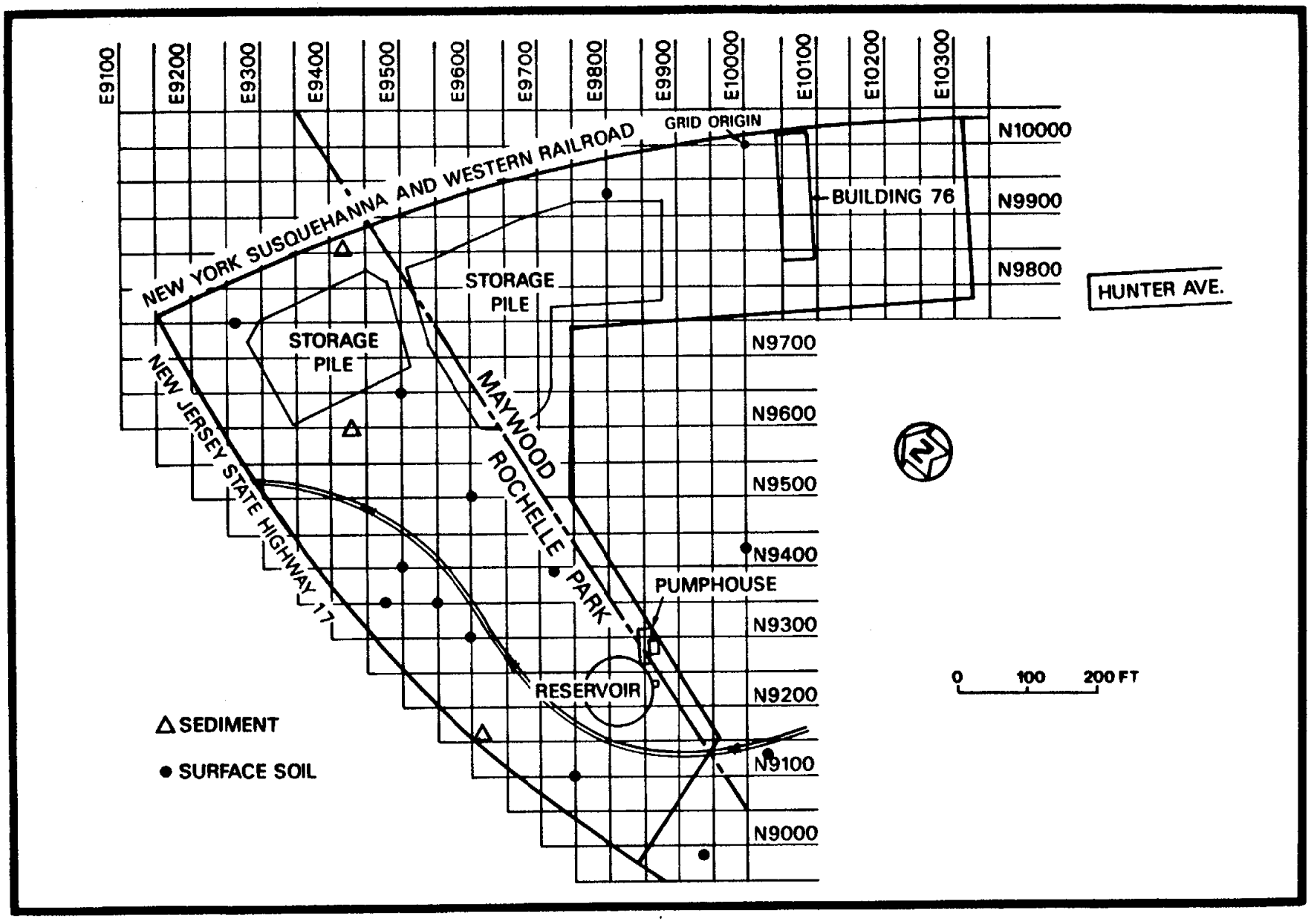

FIGURE 4-2 SURFACE SOIL AND SEDIMENT SAMPLE LOCATIONS AT THE MISS

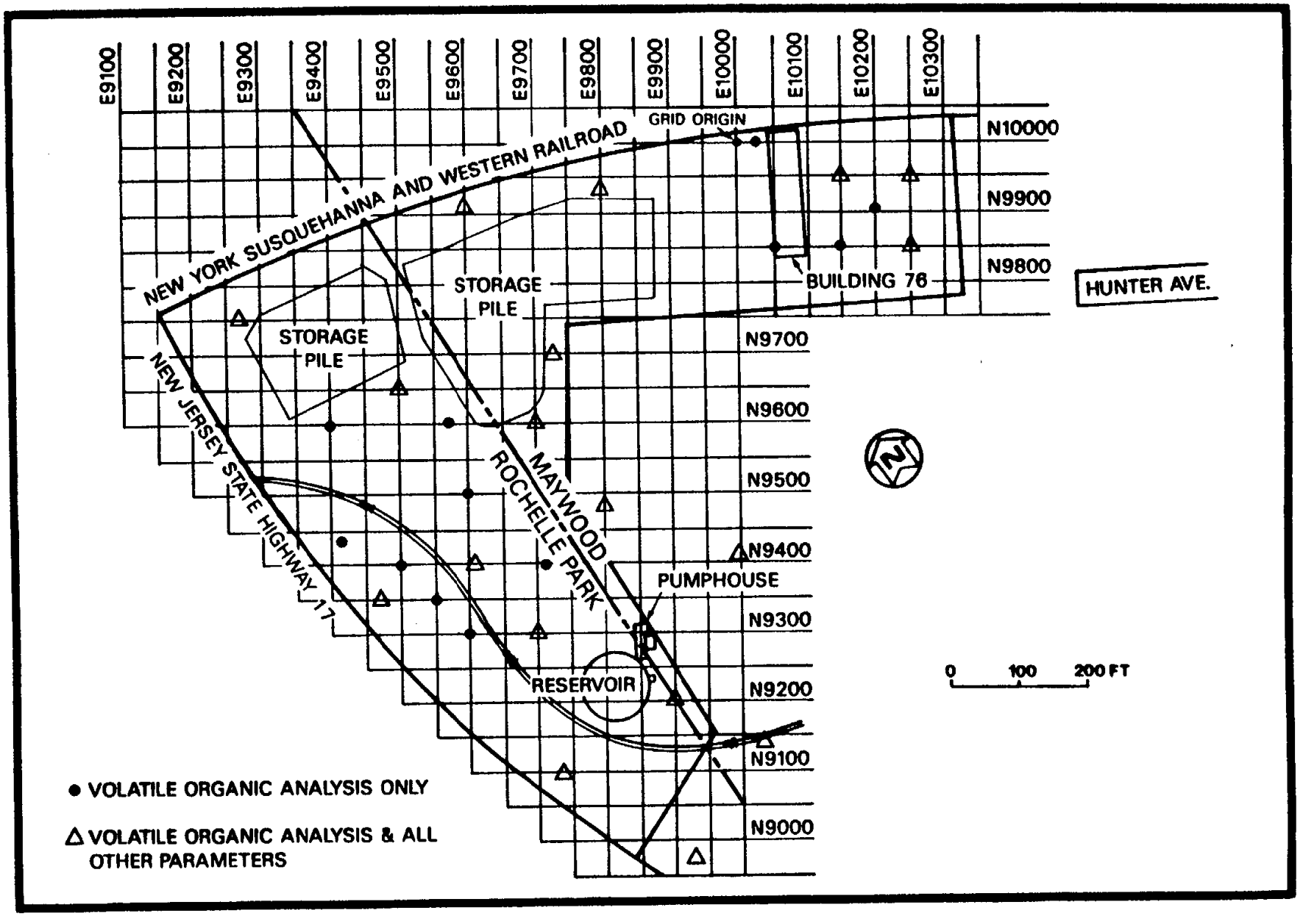

FIGURE 4-3 SUBSURFACE SOIL AND CHEMICAL SAMPLE LOCATIONS AT THE MISS

structure with a pressurized ionization chamber. An external exposure measurement was also taken in the pumphouse.

4.2.2 Sample Collection and Analysis

Radon/thoron samples were obtained by pumping air into a Tedlar bag at a rate of approximately 2 l/min. The samples were transferred directly into scintillation cells with an interior coating of zinc sulfide and end windows for detecting the scintillations. Analysis of the sample was simplified by allowing the radon decay products to reach equilibrium with their parent radioisotopes. The end window of the scintillation cell was placed in contact with a photomultiplier tube, and the scintillations were counted using standard nuclear counting instrumentation. In both Building 76 and the pumphouse, the samples were taken from the center of the structure.

4.3 CHEMICAL CHARACTERIZATION

Limited chemical characterization of the MISS property was performed to determine whether hazardous waste is commingled with the radioactive waste, and to provide the information needed to design an appropriate employee health protection program to be implemented during any full-scale chemical characterization and/or remedial action activities. To identify any hazardous chemicals on-site, soil samples were collected from the same 29 boreholes as the radiological subsurface soil samples (Figure 4-3). Samples were acquired by continuous split-spoon methodology, i.e., driving a split-spoon sampler in advance of the auger. The spoon had a 1.4-in. inside diameter and was 2 ft long. Before each sample was taken, spoons were decontaminated pursuant to EPA methods. Split-spoon samplers were driven in 2-ft increments. Spoons were opened, and volatile organic samples were taken and packaged immediately and placed on ice according to accepted procedures. Spoon samples were then split, with half designated for chemical analysis and the other half for radiological analysis.

Personnel exposure and downhole air monitoring surveys were also performed to identify volatile organics present inside selected boreholes. An air sampling train consisting of an air sampling pump, tygon tubing, and charcoal tube absorbing medium, was used to collect volatile organics present in the hole for laboratory analysis.

During drilling, material thought to be radioactively or chemically contaminated was composited to a maximum drill hole depth of 16 ft. Because the purpose of this characterization was to investigate the presence of chemical contamination rather than to provide a detailed account of contaminants and concentrations, soil samples were composited as a cost-effective measure. Samples were analyzed for volatile organics, acid extractables, base/neutral extractables, priority pollutant metals, pesticides, PCBs, and applicable RCRA characteristics (i.e., EP toxicity, corrosivity, reactivity, and ignitability). These parameters were selected as a representative cross section of the hazardous constituents listed in RCRA (40 CFR 261, Appendix VIII).

Quality assurance and quality control procedures were used during soil sampling and analysis to verify the precision and accuracy of the analytical results from the chemical characterization. Method/reagent blank samples were analyzed to identify interferences associated with chemical reagents and analytical methods at the laboratory. Potential sources of laboratory interferences include contaminants in solvents, reagents, glassware, and other sample processing hardware that could lead to discrete artifacts (false positive results) and/or elevated chemical results.

A method/reagent blank is a volume of deionized, distilled laboratory water for water samples, or a purified solid matrix (kaolin) for soil/sediment samples carried through the entire analytical process. Acceptable limits for common laboratory solvents are established by the laboratory. A method/reagent blank

analysis for VOA must not contain more than five times the detection limit for common laboratory solvents (i.e., methylene chloride, acetone, and toluene).

For semi-volatile analysis, the method/reagent blank must not contain more than five times the detection limit for any phthalate.

Duplicate sample analyses are performed to demonstrate the reproducibility of the analytical method and to determine the degree of analytical precision obtained. Spiked sample analyses are performed to verify that acceptable recovery was attained and to identify possible matrix interferences in the sample.

5.0 CHARACTERIZATION RESULTS

5.1 FIELD RADIOLOGICAL CHARACTERIZATION

Near-surface gamma radiation measurements on the property ranged from a background level of 5000 cpm to approximately 994,000 cpm. A measurement of 11,000 cpm is approximately equal to the 5-pCi/g DOE guideline. Using this correlation, the near-surface gamma measurements were used to determine the extent of surface contamination as well as the basis for selecting the locations of bias soil samples. Bias surface soil samples were taken from the 13 locations shown in Figure 4-2 and analyzed for uranium-238, radium-226, and thorium-232. Results showed concentrations of thorium-232 and radium-226 in excess of DOE guidelines, with maximum concentrations of 95.2 pCi/g and 7.9 pCi/g, respectively. The maximum uranium-238 concentration was less than 68.7 pCi/g; however, DOE guidelines for uranium in soil have not yet been established for the MISS.

Results of the analyses performed on surface soil samples are presented in Table 5-1. Use of the "less than" (<) notation indicates that the radionuclide was not present in measurable concentrations. In such instances, the value in the table 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. Furthermore, in the radioactive decay process the number of disintegrations that occur within a given period of time varies statistically; therefore, the exact concentration of the radionuclide cannot be determined. For this reason, each measurable result is associated with an uncertainty term ($\pm$), which represents the range in which the respective value may fall. The uncertainty term has an associated confidence factor of approximately 95 percent. (The discussion of the "less than" and uncertainty term also apply to Tables 5-2 and 5-4.)

Surface sediment samples were taken from a storm drain and two manholes (Figure 4-2). These samples were analyzed for radium-226

and thorium-232. Analysis was planned for uranium-238, but was not performed because of a laboratory error. The concentrations in these samples ranged from background, 1.7 pCi/g, to 18.3 pCi/g for thorium-232, and from background, 0.8 pCi/g, to 5.4 pCi/g for radium-226. Analysis results for sediments are provided in Table 5-2.

The downhole gamma logging results are provided in Table 5-3. The results showed a range from the background level of 2000 cpm to approximately 4,300,000 cpm. A measurement of 40,000 cpm is approximately equal to the DOE guideline for subsurface contamination of 15 pCi/g. Analysis results for subsurface soil samples are given in Table 5-4 and are consistent with the gamma logging data in Table 5-3. Analyses of subsurface soil samples indicated thorium-232 concentrations ranging from background levels to 1699 pCi/g, and radium-226 concentrations ranging from background levels to 447 pCi/g, and uranium-238 concentrations from less than 7 to 304 pCi/g. .

The field survey at the MISS indicates areas of elevated concentrations of thorium-232, radium-226, and uranium-238 in surface and subsurface samples. Thorium-232 was identified as the major contaminant. As discussed in Subsection 4.1.1, the extent of surface contamination was determined using results from surface soil samples and near-surface gamma measurements. These data indicated surface contamination covering a total area of 40,000 yd^2 (Figure 5-1). This total excludes any contamination under the existing storage pile and the area cleared for an additional storage pile, although data from the Morton report (Ref. 2) indicate surface and subsurface contamination in these areas.

The vertical and horizontal limits of contamination as determined by this characterization effort are being evaluated to determine the volume of contaminated material that will require remedial action. To develop this estimate, BNI will consider the location of the contamination, construction techniques, and safety procedures in its evaluation.

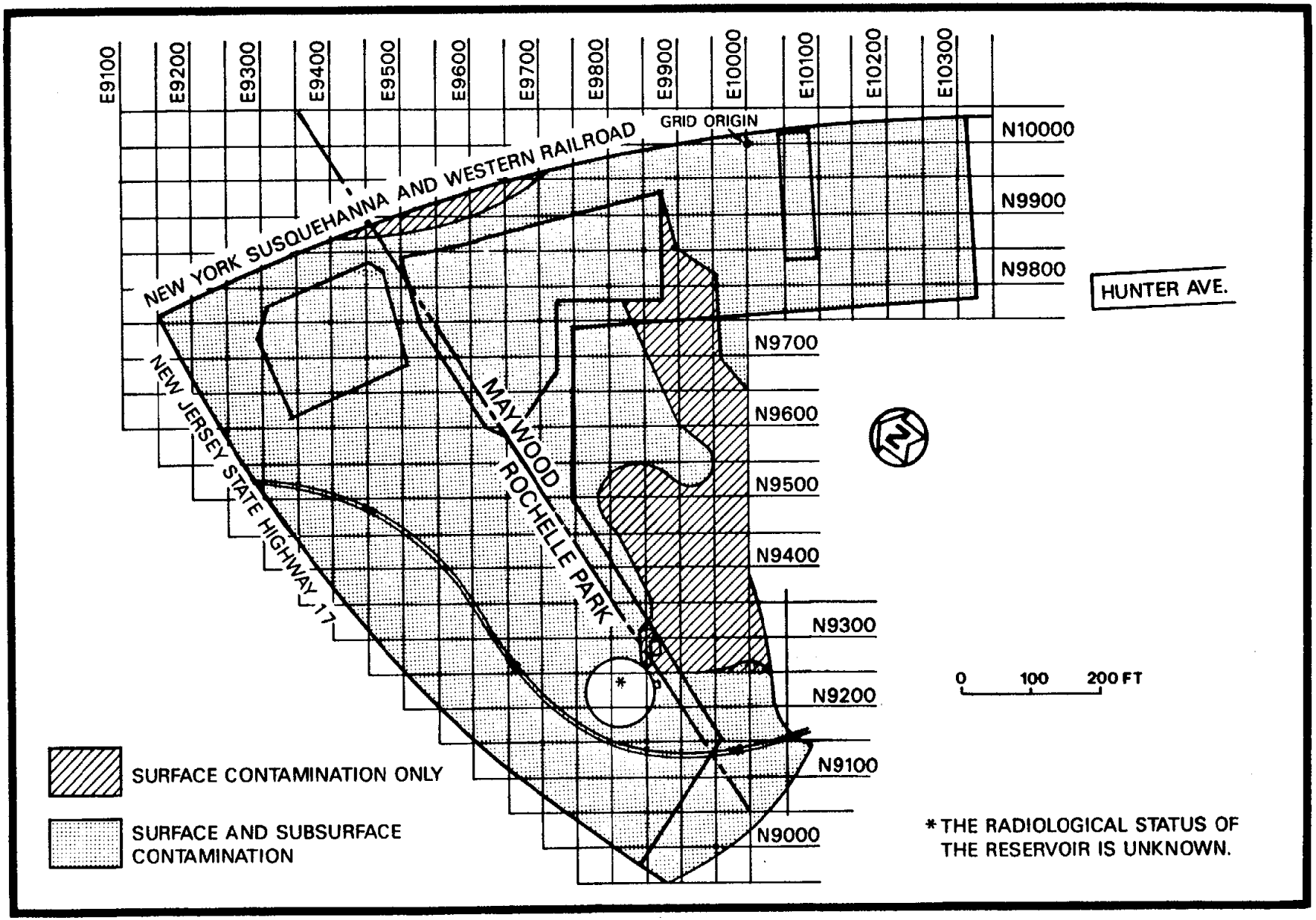

FIGURE 5-1 AREAS OF SURFACE AND SUBSURFACE CONTAMINATION AT THE MISS

Geologic drill logs for the MISS and Route 17 are included as Appendix A to this report. Appendix A contains geologic data for each radiological borehole shown in Table 5-3. Appendix A also contains a geologic log for the borehole at coordinates E09290, N09600, for which no radiological log is included. An evaluation of the geologic data from the drill logs showed that there are several different materials in the holes drilled to characterize the site. These materials include chemical plant tailings, which are generally a white, silty, fine-grained sand; and natural soils. The natural materials were often found to have been used as a cover for tailings accumulations or otherwise displaced by plant operational activities.

The sequence of the materials found in most of the boreholes where radioactive materials were encountered indicates that the tailings ponds used during plant operation were most likely constructed by placing retention structures across an existing stream channel. The stream had carried the discharge from the swampy area that provided the storage volume needed for tailings retention (Figure 5-2). A series of retention structures appears to have been constructed such that as one basin was filled with tailings, another dike was built across the stream to form another basin.

After the discharges ceased, the tailings areas were covered with clean material, although some mechanical mixing of the covering fill and the underlying tailings occurred. Some of the tailings were also mixed with underlying swamp sediments during excavation operations. Those mixing events have obscured the clear demarcation between white sandy tailings and underlying black organic silt locally. Where the tailings deposition is undisturbed, the tailings base is readily recognizable.

An analysis of the geological data showed that, in general, the tailings deposition occurred within the stream channel, the swampy area, and closely adjacent areas affected by flood or high water events. Transport of the tailings down the stream channel probably

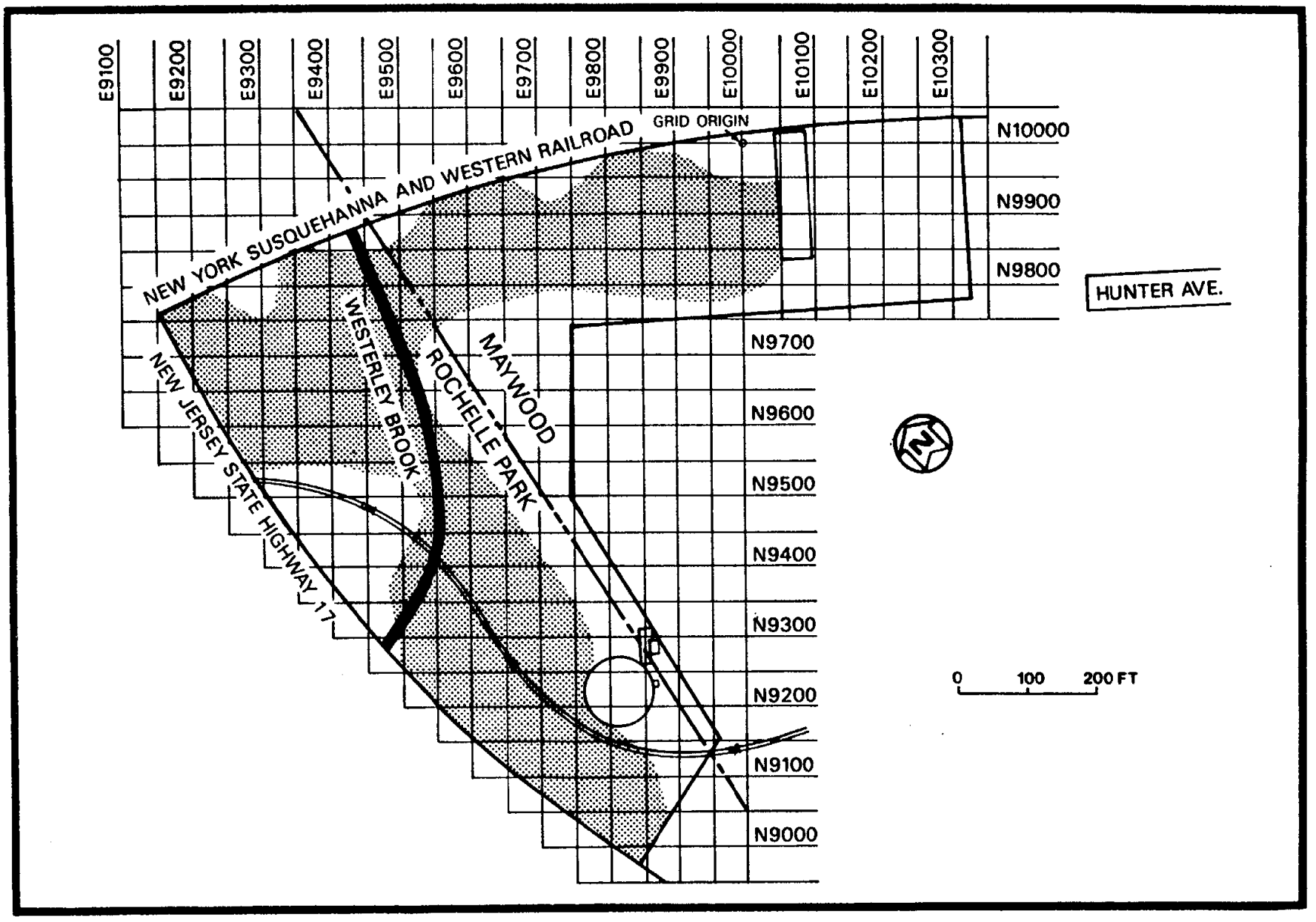

FIGURE 5-2 GENERAL LOCATION OF FORMER SWAMPY AREA AND ORIGIN OF STREAM CHANNEL AT THE MISS

occurred with each flood or high water event when some of the fine-grained materials were remobilized.

5.2 BUILDING RADIOLOGICAL CHARACTERIZATION

The ambient radon level in the center of Building 76 was 0.5 pCi/l. This measurement did not confirm the presence of contamination under the structure; however, the analysis may not have been representative because of the constant ventilation of that building. The exposure rate in Building 76 was 85 uR/h, or eight times the average background level for Maywood, New Jersey. This exposure rate is believed to result from the high concentrations of the materials directly to the east of and beneath the structure. The ambient radon measurement taken in the center of the pumphouse was 0.2 pCi/l.

5.3 CHEMICAL CHARACTERIZATION

5.3.1 Volatile Organic Analysis

Analyses were performed on 29 soil samples, with six duplicate analyses performed for volatile organics. One volatile organic, methylene chloride, was identified in four samples at levels above the laboratory's specified detection level. The mass spectral (MS) data for four soil samples indicated the presence of three other volatile organics that met the analytical identification criteria, but the results were below the laboratory's specified detection limit. According to the USEPA Contract Laboratory Program (CLP) Statement of Work for Organic Analysis (May 1984), only analytical results greater than or equal to the laboratory's specified detection limit are required to be reported. However, these results appear to indicate the presence of volatile organics at two locations. The following volatile organics (with maximum concentrations) were identified: methylene chloride, 88 ppb; acetone, 11 ppb; benzene, less than 5 ppb; toluene, less than 13 ppb. No organic volatiles were identified when analyzing blanks in which related soil samples had exhibited volatile organics.

Methylene chloride was detected in more than half of the volatile organic samples; however, it is a common chemical contaminant in normal laboratory operations, as is acetone, which was detected in two samples.

The results for benzene (N9910, E9600) and toluene (N10000, E10030) indicate the presence of chemical contamination at these borehole locations. Groundwater data in the 1985 environmental monitoring report for the MISS indicated the presence of benzene in a monitoring well near the location where the soil sample containing benzene was taken (Ref. 8). The presence of toluene in one borehole is consistent with the BNAE analysis results, which show semi-volatile chemical contaminants clustered in that area.

Downhole air monitoring surveys were performed at grid coordinates N9295, E9705, and the following volatile organics, with maximum concentrations, were identified in air samples: toluene, 4.3 ppm; benzene, 22.7 ppm; 2-hexanone, 3.7 ppm; cyclohexene, 1.6 ppm; methylchlorobenzene, 1.2 ppm. An air monitoring survey was also performed in the MISS sump area and the following volatile organics, with maximum concentrations, were identified in air samples: toluene, 1.4 ppm; cyclohexene, 0.2 ppm; methylcyclopentanine, 0.3 ppm; hexanoic acid, 2.3 ppm; and heptanoic acid, 0.7 ppm.

The presence of toluene and cyclohexene in the borehole at N9295, E9705 and the MISS sump area suggests an on-site source of chemical contamination. These air samples were obtained from a borehole near monitoring wells that showed benzene and toluene concentrations of 420, 1240, 660 ug/l, and 20 and 55 ug/l, respectively (Ref. 8). The combined results of air, water, and soil sample analyses indicate the presence of volatile organics at certain locations at the MISS.

5.3.2 Base Neutral/Acid Extractable Organic Analysis

There were 19 soil sample analyses and five duplicate analyses performed for BNAE (semi-volatile) organics. A number of

semi-volatiles were found to be present in concentrations that were below the detection limit specified by the laboratory. As mentioned previously, it is not required that these results be reported, but the results indicate the presence of semi-volatiles that met MS identification criteria. In addition, all of the maximum analytical results for specific semi-volatiles identified form a cluster to the east of Building 76 where radioactive contamination was identified. Although analysis results identified the presence of semi-volatiles in two blanks, analysis of the blank from this cluster did not reveal any of the specific semi-volatiles identified in the soil samples. The semi-volatiles in these blanks were mainly phthalates, a constituent of most plastics and a common chemical contaminant in laboratory operations, and polynuclear aromatic hydrocarbons (PNAs), a coal tar by-product. Table 5-5 gives analysis results for the cluster of soil samples.

At two other sampling locations, specific semi-volatile components were identified in addition to those found in the area east of Building 76. At grid coordinates N9420, E10005, the following additional semi-volatile compounds were identified: benzyl alcohol, 39 ppb; benzoic acid, 55 ppb; and 1,2,4-trichlorobenzene, 12 ppb.

At grid coordinates N9650, E9500, the following additional semi-volatile compounds were identified: phenol, 120 ppb; nitrobenzene, 13 ppb; 2,4 dichlorophenol, 5 ppb.

Even though these semi-volatile compounds were identified at low concentrations (below the laboratory's specified detection limit), current data in conjunction with previous data (Ref. 8) indicate the presence of chemical contamination.

Low concentrations of PNAs were identified in two other sampling locations (N9300, E9700 and N9485, E9800) at the MISS. These results are significant in that they were obtained near the location where air sampling results (from the borehole at N9295, E9705) identified numerous volatile organic compounds.

5.3.3 Pesticides and PCB Analysis

Nineteen soil sample were analyzed, and one duplicate analysis was performed for priority pollutant pesticides and PCBs. No detectable concentrations of priority pollutant pesticides or PCBs were found to be present in the soil samples or blank samples.

5.3.4 Priority Pollutant Metals Analysis

There were 19 soil samples analyzed for priority pollutant metals. Table 5-6 summarizes these results and compares the range of concentrations (ppm) found in the soil samples to background soil concentration ranges for that priority pollutant metal. The number of soil sample results that exceeded the background range was also noted. A comparison of the maximum concentration observed for each priority pollutant metal was compared with the EP toxicity test result for that metal at the designated coordinate.

The following priority pollutant metals exceeded the range for background soils and are also listed by the NJDEP as hazardous constituents under the New Jersey Administrative Code (NJAC) 7.26 through 8.16: arsenic, cadmium, chromium, lead, mercury, selenium, copper, thallium, zinc, and antimony. Cadmium and thallium results exceeded the range for background soils in 11 and 10 samples, respectively. A comparison of the maximum priority pollutant results with the respective EP toxicity test results showed that all results were below criteria (40 CFR 261.24). This may be an indication that these metals are not readily leachable from the soil or are not present in concentrations high enough to produce leachate that exceeds the EPA criteria for hazardous waste according to EP toxicity characteristics.

5.3.5 RCRA Characteristics Analysis

There were 19 soil samples analyzed for EP toxicity pesticides and metals and 12 soil samples analyzed for EP toxicity PCBs. In

addition, 18 soil samples were analyzed for RCRA corrosivity, reactivity, and ignitability characteristics.

The EP toxicity analyses did not indicate detectable quantities of pesticides and PCBs. There were trace levels of metals, namely arsenic and barium that were well below the maximum concentration specified under 40 CFR 261.24. In addition, no samples exhibited corrosivity, reactivity, or ignitability.

Detailed chemical characterization data are on file with DOE (Ref. 9).

TABLE 5-1

SURFACE SOIL SAMPLING RESULTS

AT THE MISS

Grid Coordinates E,W	Grid Coordinates N,S	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09270	N09755	<34.0	<5.0	13.8 ± 2.4
E09415	N09430	<23.8	<5.0	16.4 ± 7.3
E09475	N09350	<34.2	3.5 ± 1.6	41.6 ±18.9
E09500	N09400	<29.9	2.5 ± 0.8	21.7 ± 4.7
E09550	N09350	<68.7	3.6 ± 1.6	36.1 ± 4.8
E09600	N09300	34.4 ±11.1	7.9 ± 1.9	66.0 ± 8.0
E09600	N09500	<25.4	<5.6	<8.6
E09715	N09397	<14.1	1.8 ± 1.0	3.1 ± 0.8
E09740	N09100	<39.6	6.2 ± 1.9	95.2 ± 9.4
E09800	N09930	<17.3	<4.1	<8.3
E09930	N08980	<12.2	<3.1	4.1 ± 1.7
E10005	N09420	<13.0	1.7 ± 1.0	4.1 ± 0.8
E10035	N09135	<10.6	<6.0	3.3 ± 0.5

[a] The low level of detectability was proportional to the quantity of the sample, the heterogeneity of the sample, moisture content, and counting geometry.

TABLE 5-2

SEDIMENT SAMPLING RESULTS

AT THE MISS

Grid Coordinates E,W	Grid Coordinates N,S	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E9420	N9850	b	5.4 ± 0.8	18.3 ± 2.6
E9435	N9610	b	0.8 ± 0.3	1.7 ± 0.3
E9570	N9175	b	0.8 ± 0.3	2.5 ± 0.6

[a] The low level of detectability was proportional to the quantity of the sample, the heterogeneity of the sample, moisture content, and counting geometry.
'A' denotes less than detectable activity.

[b] Analysis for uranium-238 not performed because of laboratory error.

TABLE 5-3

DOWNHOLE GAMMA LOGGING RESULTS[a]

AT THE MISS

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09275	N09755	0.5	43,000
E09275	N09755	1.0	86,000
E09275	N09755	1.5	130,000
E09275	N09755	2.0	148,000
E09275	N09755	2.5	171,000
E09275	N09755	3.0	198,000
E09275	N09755	3.5	201,000
E09275	N09755	4.0	66,000
E09275	N09755	4.5	39,000
E09275	N09755	5.0	50,000
E09275	N09755	5.5	80,000
E09275	N09755	6.0	169,000
E09275	N09755	6.5	285,000
E09275	N09755	7.0	357,000
E09275	N09755	7.5	368,000
E09275	N09755	8.0	319,000
E09275	N09755	8.5	253,000
E09275	N09755	9.0	181,000
E09275	N09755	9.5	93,000
E09275	N09755	10.0	50,000
E09275	N09755	10.5	31,000
E09275	N09755	11.0	23,000
E09275	N09755	11.5	16,000
E09275	N09755	12.0	12,000
E09275	N09755	12.5	11,000
E09275	N09755	13.0	10,000
E09275	N09755	13.5	10,000
E09275	N09755	14.0	11,000
E09275	N09755	14.5	11,000
E09275	N09755	15.0	11,000
E09275	N09755	15.5	12,000
E09275	N09755	16.0	11,000
E09275	N09755	16.5	11,000
E09275	N09755	17.0	10,000
E09275	N09755	17.5	11,000
E09290	N09600[b]	0.5	30,000
E09290	N09600	1.0	28,000
E09290	N09600	1.5	23,000
E09290	N09600	2.0	25,000
E09290	N09600	2.5	28,000
E09290	N09600	3.0	39,000
E09290	N09600	3.5	68,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09290	N09600	4.0	180,000
E09290	N09600	4.5	368,000
E09290	N09600	5.0	217,000
E09290	N09600	5.5	71,000
E09290	N09600	6.0	32,000
E09290	N09600	6.5	12,000
E09290	N09600	7.0	9,000
E09290	N09600	7.5	5,000
E09290	N09600	8.0	4,000
E09290	N09600	8.5	6,000
E09290	N09600	9.0	8,000
E09290	N09600	9.5	10,000
E09290	N09600	10.0	10,000
E09290	N09600	10.5	10,000
E09290	N09600	11.0	12,000
E09290	N09600	11.5	11,000
E09290	N09600	12.0	9,000
E09290	N09600	12.5	8,000
E09290	N09600	13.0	8,000
E09290	N09600	13.5	7,000
E09290	N09600	14.0	7,000
E09290	N09600	14.5	8,000
E09290	N09600	15.0	8,000
E09290	N09600	15.5	8,000
E09290	N09600	16.0	8,000
E09290	N09600	16.5	7,000
E09290	N09600	17.0	8,000
E09290	N09600	17.5	7,000
E09290	N09600	18.0	7,000
E09290	N09600	18.5	9,000
E09290	N09600	19.0	10,000
E09290	N09600	19.5	14,000
E09290	N09600	20.0	16,000
E09290	N09600	20.5	16,000
E09290	N09600	21.0	17,000
E09290	N09600	21.5	17,000
E09290	N09600	22.0	16,000
E09290	N09600	22.5	17,000
E09300	N09650	0.5	20,000
E09300	N09650	1.0	23,000
E09300	N09650	1.5	24,000
E09300	N09650	2.0	21,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09300	N09650	2.5	21,000
E09300	N09650	3.0	26,000
E09300	N09650	3.5	23,000
E09300	N09650	4.0	21,000
E09300	N09650	4.5	20,000
E09300	N09650	5.0	15,000
E09300	N09650	5.5	14,000
E09300	N09650	6.0	15,000
E09300	N09650	6.5	27,000
E09300	N09650	7.0	50,000
E09300	N09650	7.5	29,000
E09300	N09650	8.0	10,000
E09300	N09650	8.5	5,000
E09300	N09650	9.0	3,000
E09300	N09650	9.5	3,000
E09300	N09650	10.0	3,000
E09300	N09650	10.5	6,000
E09300	N09650	11.0	9,000
E09300	N09650	11.5	11,000
E09300	N09650	12.0	12,000
E09300	N09650	12.5	13,000
E09300	N09650	13.0	14,000
E09300	N09650	13.5	13,000
E09300	N09650	14.0	13,000
E09300	N09650	14.5	13,000
E09300	N09650	15.0	14,000
E09300	N09650	15.5	15,000
E09300	N09650	16.0	14,000
E09300	N09650	16.5	14,000
E09300	N09650	17.0	14,000
E09300	N09790	0.5	35,000
E09300	N09790	1.0	38,000
E09300	N09790	1.5	37,000
E09300	N09790	2.0	41,000
E09300	N09790	2.5	65,000
E09300	N09790	3.0	127,000
E09300	N09790	3.5	178,000
E09300	N09790	4.0	172,000
E09300	N09790	4.5	126,000
E09300	N09790	5.0	42,000
E09300	N09790	5.5	22,000
E09300	N09790	6.0	10,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09300	N09790	6.5	9,000
E09300	N09790	7.0	9,000
E09300	N09790	7.5	10,000
E09300	N09790	8.0	10,000
E09300	N09790	8.5	10,000
E09300	N09790	9.0	11,000
E09300	N09790	9.5	10,000
E09300	N09790	10.0	11,000
E09300	N09790	10.5	10,000
E09300	N09790	11.0	11,000
E09300	N09790	11.5	11,000
E09300	N09790	12.0	11,000
E09300	N09790	12.5	11,000
E09300	N09790	13.0	12,000
E09300	N09790	13.5	12,000
E09300	N09790	14.0	12,000
E09300	N09790	14.5	12,000
E09300	N09790	15.0	11,000
E09300	N09790	15.5	11,000
E09300	N09790	16.0	12,000
E09300	N09790	16.5	12,000
E09300	N09790	17.0	11,000
E09300	N09790	17.5	11,000
E09300	N09790	18.0	12,000
E09300	N09790	18.5	12,000
E09300	N09790	19.0	13,000
E09300	N09790	19.5	14,000
E09300	N09790	20.0	16,000
E09390	N09555	0.5	23,000
E09390	N09555	1.0	23,000
E09390	N09555	1.5	23,000
E09390	N09555	2.0	22,000
E09390	N09555	2.5	21,000
E09390	N09555	3.0	23,000
E09390	N09555	3.5	36,000
E09390	N09555	4.0	67,000
E09390	N09555	4.5	124,000
E09390	N09555	5.0	174,000
E09390	N09555	5.5	139,000
E09390	N09555	6.0	101,000
E09390	N09555	6.5	48,000
E09390	N09555	7.0	34,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09390	N09555	7.5	22,000
E09390	N09555	8.0	20,000
E09390	N09555	8.5	19,000
E09400	N09595[C]	0.5	20,000
E09400	N09595	1.0	18,000
E09400	N09595	1.5	16,000
E09400	N09595	2.0	8,000
E09400	N09595	2.5	5,000
E09400	N09595	3.0	4,000
E09400	N09595	3.5	4,000
E09400	N09595	4.0	4,000
E09400	N09595	4.5	4,000
E09400	N09595	5.0	3,000
E09400	N09595	5.5	3,000
E09400	N09595	6.0	3,000
E09400	N09595	6.5	3,000
E09400	N09595	7.0	3,000
E09400	N09595	7.5	3,000
E09400	N09595	8.0	2,000
E09400	N09595	8.5	2,000
E09400	N09595	9.0	2,000
E09400	N09595	9.5	3,000
E09400	N09595	10.0	4,000
E09400	N09595	10.5	4,000
E09400	N09595	11.0	4,000
E09400	N09595	11.5	9,000
E09400	N09595	12.0	27,000
E09400	N09595	12.5	90,000
E09400	N09595	13.0	168,000
E09400	N09595	13.5	194,000
E09400	N09845	0.5	18,000
E09400	N09845	1.0	16,000
E09400	N09845	1.5	16,000
E09400	N09845	2.0	14,000
E09400	N09845	2.5	14,000
E09400	N09845	3.0	16,000
E09400	N09845	3.5	17,000
E09400	N09845	4.0	19,000
E09400	N09845	4.5	21,000
E09400	N09845	5.0	23,000
E09400	N09845	5.5	19,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09400	N09845	6.0	15,000
E09400	N09845	6.5	11,000
E09400	N09845	7.0	8,000
E09400	N09845	7.5	9,000
E09400	N09845	8.0	10,000
E09400	N09845	8.5	10,000
E09400	N09845	9.0	11,000
E09400	N09845	9.5	10,000
E09400	N09845	10.0	10,000
E09400	N09845	10.5	10,000
E09400	N09845	11.0	9,000
E09400	N09845	11.5	7,000
E09400	N09845	12.0	7,000
E09400	N09845	12.5	6,000
E09400	N09845	13.0	6,000
E09400	N09845	13.5	6,000
E09400	N09845	14.0	7,000
E09400	N09845	14.5	7,000
E09400	N09845	15.0	9,000
E09400	N09845	15.5	10,000
E09400	N09845	16.0	11,000
E09400	N09845	16.5	11,000
E09400	N09845	17.0	10,000
E09400	N09845	17.5	11,000
E09400	N09845	18.0	11,000
E09400	N09845	18.5	11,000
E09400	N09845	19.0	11,000
E09400	N09845	19.5	11,000
E09400	N09845	20.0	12,000
E09415	N09430	0.5	20,000
E09415	N09430	1.0	33,000
E09415	N09430	1.5	30,000
E09415	N09430	2.0	19,000
E09415	N09430	2.5	15,000
E09415	N09430	3.0	10,000
E09415	N09430	3.5	10,000
E09415	N09430	4.0	10,000
E09415	N09430	4.5	10,000
E09415	N09430	5.0	10,000
E09415	N09430	5.5	11,000
E09415	N09430	6.0	11,000
E09415	N09430	6.5	11,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09415	N09430	7.0	12,000
E09415	N09430	7.5	13,000
E09415	N09430	8.0	13,000
E09415	N09430	8.5	13,000
E09415	N09430	9.0	13,000
E09415	N09430	9.5	13,000
E09415	N09430	10.0	12,000
E09415	N09430	10.5	12,000
E09415	N09430	11.0	11,000
E09415	N09430	11.5	12,000
E09415	N09430	12.0	12,000
E09415	N09430	12.5	12,000
E09415	N09430	13.0	12,000
E09415	N09430	13.5	14,000
E09415	N09430	14.0	15,000
E09415	N09430	14.5	16,000
E09415	N09430	15.0	16,000
E09415	N09860	0.5	39,000
E09415	N09860	1.0	40,000
E09415	N09860	1.5	28,000
E09415	N09860	2.0	20,000
E09415	N09860	2.5	15,000
E09415	N09860	3.0	14,000
E09415	N09860	3.5	10,000
E09415	N09860	4.0	11,000
E09415	N09860	4.5	11,000
E09415	N09860	5.0	11,000
E09415	N09860	5.5	11,000
E09415	N09860	6.0	10,000
E09415	N09860	6.5	9,000
E09415	N09860	7.0	9,000
E09415	N09860	7.5	9,000
E09415	N09860	8.0	10,000
E09415	N09860	8.5	10,000
E09415	N09860	9.0	9,000
E09475	N09350	0.5	92,000
E09475	N09350	1.0	100,000
E09475	N09350	1.5	85,000
E09475	N09350	2.0	50,000
E09475	N09350	2.5	22,000
E09475	N09350	3.0	14,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09475	N09350	3.5	13,000
E09475	N09350	4.0	12,000
E09475	N09350	4.5	12,000
E09475	N09350	5.0	12,000
E09475	N09350	5.5	12,000
E09475	N09350	6.0	14,000
E09475	N09350	6.5	19,000
E09475	N09350	7.0	21,000
E09475	N09350	7.5	26,000
E09475	N09350	8.0	24,000
E09475	N09350	8.5	23,000
E09475	N09350	9.0	19,000
E09475	N09350	9.5	12,000
E09475	N09350	10.0	11,000
E09475	N09350	10.5	10,000
E09475	N09350	11.0	8,000
E09475	N09350	11.5	7,000
E09475	N09350	12.0	6,000
E09475	N09350	12.5	6,000
E09475	N09350	13.0	7,000
E09475	N09350	13.5	7,000
E09475	N09350	14.0	8,000
E09490	N09520	0.5	29,000
E09490	N09520	1.0	39,000
E09490	N09520	1.5	36,000
E09490	N09520	2.0	36,000
E09490	N09520	2.5	27,000
E09490	N09520	3.0	17,000
E09490	N09520	3.5	13,000
E09490	N09520	4.0	9,000
E09490	N09520	4.5	9,000
E09490	N09520	5.0	9,000
E09490	N09520	5.5	11,000
E09490	N09520	6.0	11,000
E09490	N09520	6.5	12,000
E09490	N09520	7.0	12,000
E09490	N09520	7.5	11,000
E09490	N09520	8.0	11,000
E09490	N09520	8.5	12,000
E09490	N09520	9.0	12,000
E09490	N09520	9.5	13,000
E09500	N09400	0.5	32,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09500	N09400	1.0	25,000
E09500	N09400	1.5	9,000
E09500	N09400	2.0	8,000
E09500	N09400	2.5	6,000
E09500	N09400	3.0	7,000
E09500	N09400	3.5	7,000
E09500	N09400	4.0	8,000
E09500	N09400	4.5	10,000
E09500	N09400	5.0	12,000
E09500	N09400	5.5	16,000
E09500	N09400	6.0	38,000
E09500	N09400	6.5	56,000
E09500	N09400	7.0	124,000
E09500	N09400	7.5	216,000
E09500	N09400	8.0	275,000
E09500	N09400	8.5	221,000
E09500	N09400	9.0	106,000
E09500	N09400	9.5	56,000
E09500	N09400	10.0	38,000
E09500	N09400	10.5	21,000
E09500	N09400	11.0	13,000
E09500	N09400	11.5	12,000
E09500	N09400	12.0	14,000
E09500	N09400	12.5	12,000
E09500	N09400	13.0	13,000
E09500	N09400	13.5	13,000
E09500	N09400	14.0	13,000
E09500	N09400	14.5	13,000
E09500	N09650	0.5	6,000
E09500	N09650	1.0	4,000
E09500	N09650	1.5	5,000
E09500	N09650	2.0	3,000
E09500	N09650	2.5	3,000
E09500	N09650	3.0	3,000
E09500	N09650	3.5	2,000
E09500	N09650	4.0	3,000
E09500	N09650	4.5	4,000
E09500	N09650	5.0	6,000
E09500	N09650	5.5	14,000
E09500	N09650	6.0	28,000
E09500	N09650	6.5	35,000
E09500	N09650	7.0	23,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09500	N09650	7.5	18,000
E09500	N09650	8.0	17,000
E09500	N09650	8.5	18,000
E09500	N09650	9.0	10,000
E09500	N09650	9.5	7,000
E09500	N09650	10.0	9,000
E09500	N09650	10.5	10,000
E09500	N09650	11.0	10,000
E09500	N09650	11.5	10,000
E09500	N09650	12.0	9,000
E09500	N09650	12.5	9,000
E09500	N09650	13.0	10,000
E09500	N09650	13.5	8,000
E09500	N09650	14.0	7,000
E09500	N09750	0.5	19,000
E09500	N09750	1.0	20,000
E09500	N09750	1.5	13,000
E09500	N09750	2.0	11,000
E09500	N09750	2.5	7,000
E09500	N09750	3.0	6,000
E09500	N09750	3.5	10,000
E09500	N09750	4.0	20,000
E09500	N09750	4.5	25,000
E09500	N09750	5.0	28,000
E09500	N09750	5.5	47,000
E09500	N09750	6.0	45,000
E09500	N09750	6.5	35,000
E09500	N09750	7.0	30,000
E09500	N09750	7.5	26,000
E09500	N09750	8.0	26,000
E09500	N09750	8.5	29,000
E09500	N09750	9.0	28,000
E09500	N09750	9.5	35,000
E09500	N09750	10.0	27,000
E09500	N09750	10.5	20,000
E09500	N09750	11.0	18,000
E09500	N09750	11.5	15,000
E09500	N09750	12.0	12,000
E09500	N09750	12.5	11,000
E09500	N09750	13.0	10,000
E09500	N09750	13.5	9,000
E09500	N09750	14.0	8,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09500	N09750	14.5	8,000
E09500	N09750	15.0	8,000
E09500	N09875	0.5	8,000
E09500	N09875	1.0	6,000
E09500	N09875	1.5	5,000
E09500	N09875	2.0	4,000
E09500	N09875	2.5	5,000
E09500	N09875	3.0	6,000
E09500	N09875	3.5	6,000
E09500	N09875	4.0	4,000
E09500	N09875	4.5	4,000
E09500	N09875	5.0	4,000
E09500	N09875	5.5	6,000
E09500	N09875	6.0	7,000
E09500	N09875	6.5	7,000
E09500	N09875	7.0	7,000
E09500	N09875	7.5	6,000
E09500	N09875	8.0	7,000
E09500	N09875	8.5	8,000
E09500	N09875	9.0	8,000
E09500	N09875	9.5	8,000
E09500	N09875	10.0	8,000
E09500	N09875	10.5	8,000
E09500	N09875	11.0	8,000
E09500	N09875	11.5	8,000
E09500	N09875	12.0	7,000
E09500	N09875	12.5	7,000
E09500	N09875	13.0	7,000
E09500	N09875	13.5	7,000
E09500	N09875	14.0	7,000
E09500	N09875	14.5	7,000
E09500	N09875	15.0	7,000
E09500	N09875	15.5	8,000
E09500	N09875	16.0	10,000
E09500	N09875	16.5	10,000
E09500	N09875	17.0	11,000
E09500	N09875	17.5	15,000
E09500	N09875	18.0	10,000
E09500	N09875	18.5	11,000
E09500	N09900	0.5	16,000
E09500	N09900	1.0	12,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09500	N09900	1.5	8,000
E09500	N09900	2.0	6,000
E09500	N09900	2.5	4,000
E09500	N09900	3.0	3,000
E09500	N09900	3.5	3,000
E09500	N09900	4.0	6,000
E09500	N09900	4.5	9,000
E09500	N09900	5.0	12,000
E09500	N09900	5.5	10,000
E09500	N09900	6.0	9,000
E09500	N09900	6.5	8,000
E09500	N09900	7.0	7,000
E09500	N09900	7.5	8,000
E09500	N09900	8.0	8,000
E09500	N09900	8.5	7,000
E09500	N09900	9.0	7,000
E09500	N09900	9.5	7,000
E09500	N09900	10.0	8,000
E09500	N09900	10.5	8,000
E09500	N09900	11.0	9,000
E09500	N09900	11.5	7,000
E09500	N09900	12.0	7,000
E09500	N09900	12.5	7,000
E09500	N09900	13.0	7,000
E09500	N09900	13.5	7,000
E09500	N09900	14.0	7,000
E09500	N09900	14.5	8,000
E09500	N09900	15.0	9,000
E09500	N09900	15.5	12,000
E09500	N09900	16.0	12,000
E09550	N09280	0.5	73,000
E09550	N09280	1.0	67,000
E09550	N09280	1.5	128,000
E09550	N09280	2.0	312,000
E09550	N09280	2.5	428,000
E09550	N09280	3.0	570,000
E09550	N09280	3.5	510,000
E09550	N09280	4.0	440,000
E09550	N09280	4.5	430,000
E09550	N09280	5.0	450,000
E09550	N09280	5.5	428,000
E09550	N09280	6.0	400,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09550	N09280	6.5	360,000
E09550	N09280	7.0	180,000
E09550	N09280	7.5	54,000
E09550	N09280	8.0	25,000
E09550	N09280	8.5	15,000
E09550	N09280	9.0	12,000
E09550	N09280	9.5	12,000
E09550	N09280	10.0	12,000
E09550	N09280	10.5	10,000
E09550	N09280	11.0	10,000
E09550	N09280	11.5	10,000
E09550	N09280	12.0	10,000
E09550	N09280	12.5	11,000
E09550	N09350	0.5	76,000
E09550	N09350	1.0	64,000
E09550	N09350	1.5	27,000
E09550	N09350	2.0	12,000
E09550	N09350	2.5	8,000
E09550	N09350	3.0	7,000
E09550	N09350	3.5	5,000
E09550	N09350	4.0	4,000
E09550	N09350	4.5	5,000
E09550	N09350	5.0	5,000
E09550	N09350	5.5	6,000
E09550	N09350	6.0	10,000
E09550	N09350	6.5	21,000
E09550	N09350	7.0	45,000
E09550	N09350	7.5	28,000
E09550	N09350	8.0	17,000
E09550	N09350	8.5	17,000
E09550	N09350	9.0	26,000
E09550	N09350	9.5	44,000
E09550	N09350	10.0	95,000
E09550	N09350	10.5	84,000
E09550	N09350	11.0	50,000
E09550	N09350	11.5	25,000
E09550	N09350	12.0	11,000
E09550	N09350	12.5	9,000
E09550	N09350	13.0	8,000
E09550	N09350	13.5	8,000
E09550	N09350	14.0	9,000
E09550	N09475	0.5	8,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09550	N09475	1.0	6,000
E09550	N09475	1.5	3,000
E09550	N09475	2.0	3,000
E09550	N09475	2.5	3,000
E09550	N09475	3.0	5,000
E09550	N09475	3.5	12,000
E09550	N09475	4.0	22,000
E09550	N09475	4.5	26,000
E09550	N09475	5.0	35,000
E09550	N09475	5.5	85,000
E09550	N09475	6.0	274,000
E09550	N09475	6.5	355,000
E09550	N09475	7.0	357,000
E09550	N09475	7.5	175,000
E09550	N09475	8.0	124,000
E09550	N09475	8.5	87,000
E09550	N09475	9.0	30,000
E09550	N09475	9.5	24,000
E09600	N09300	0.5	98,000
E09600	N09300	1.0	128,000
E09600	N09300	1.5	98,000
E09600	N09300	2.0	40,000
E09600	N09300	2.5	11,000
E09600	N09300	3.0	7,000
E09600	N09300	3.5	7,000
E09600	N09300	4.0	9,000
E09600	N09300	4.5	16,000
E09600	N09300	5.0	46,000
E09600	N09300	5.5	60,000
E09600	N09300	6.0	23,000
E09600	N09300	6.5	19,000
E09600	N09300	7.0	16,000
E09600	N09300	7.5	12,000
E09600	N09300	8.0	13,000
E09600	N09300	8.5	13,000
E09600	N09300	9.0	15,000
E09600	N09300	9.5	23,000
E09600	N09300	10.0	50,000
E09600	N09300	10.5	113,000
E09600	N09300	11.0	288,000
E09600	N09300	11.5	240,000
E09600	N09300	12.0	66,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09600	N09300	12.5	23,000
E09600	N09300	13.0	18,000
E09600	N09500	0.5	8,000
E09600	N09500	1.0	6,000
E09600	N09500	1.5	6,000
E09600	N09500	2.0	8,000
E09600	N09500	2.5	13,000
E09600	N09500	3.0	21,000
E09600	N09500	3.5	33,000
E09600	N09500	4.0	44,000
E09600	N09500	4.5	55,000
E09600	N09500	5.0	81,000
E09600	N09500	5.5	105,000
E09600	N09500	6.0	60,000
E09600	N09500	6.5	30,000
E09600	N09500	7.0	19,000
E09600	N09500	7.5	12,000
E09600	N09500	8.0	10,000
E09600	N09500	8.5	10,000
E09600	N09500	9.0	9,000
E09600	N09500	9.5	9,000
E09600	N09500	10.0	9,000
E09600	N09500	10.5	7,000
E09600	N09500	11.0	7,000
E09600	N09500	11.5	7,000
E09600	N09500	12.0	7,000
E09600	N09500	12.5	7,000
E09600	N09500	13.0	7,000
E09600	N09500	13.5	6,000
E09600	N09500	14.0	6,000
E09600	N09610 [d]	0.5	7,000
E09600	N09610	1.0	7,000
E09600	N09610	1.5	8,000
E09600	N09610	2.0	5,000
E09600	N09610	2.5	4,000
E09600	N09610	3.0	5,000
E09600	N09610	3.5	6,000
E09600	N09610	4.0	5,000
E09600	N09610	4.5	3,000
E09600	N09610	5.0	2,000
E09600	N09610	5.5	2,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09600	N09610	6.0	3,000
E09600	N09610	6.5	3,000
E09600	N09610	7.0	5,000
E09600	N09610	7.5	7,000
E09600	N09610	8.0	9,000
E09600	N09610	8.5	8,000
E09600	N09610	9.0	8,000
E09600	N09610	9.5	8,000
E09600	N09610	10.0	10,000
E09605	N09570	0.5	108,000
E09605	N09570	1.0	144,000
E09605	N09570	1.5	168,000
E09605	N09570	2.0	238,000
E09605	N09570	2.5	288,000
E09605	N09570	3.0	260,000
E09605	N09570	3.5	124,000
E09605	N09570	4.0	38,000
E09605	N09570	4.5	20,000
E09605	N09570	5.0	15,000
E09605	N09570	5.5	11,000
E09605	N09570	6.0	11,000
E09605	N09570	6.5	13,000
E09605	N09570	7.0	13,000
E09605	N09570	7.5	13,000
E09605	N09570	8.0	11,000
E09605	N09570	8.5	9,000
E09605	N09570	9.0	8,000
E09605	N09570	9.5	9,000
E09605	N09570	10.0	10,000
E09605	N09570	10.5	10,000
E09605	N09570	11.0	8,000
E09605	N09570	11.5	7,000
E09605	N09570	12.0	7,000
E09605	N09570	12.5	7,000
E09605	N09570	13.0	7,000
E09605	N09570	13.5	9,000
E09615	N09400	0.5	10,000
E09615	N09400	1.0	8,000
E09615	N09400	1.5	3,000
E09615	N09400	2.0	3,000
E09615	N09400	2.5	3,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09615	N09400	3.0	2,000
E09615	N09400	3.5	2,000
E09615	N09400	4.0	2,000
E09615	N09400	4.5	2,000
E09615	N09400	5.0	3,000
E09615	N09400	5.5	3,000
E09615	N09400	6.0	3,000
E09615	N09400	6.5	3,000
E09615	N09400	7.0	3,000
E09615	N09400	7.5	3,000
E09615	N09400	8.0	3,000
E09615	N09400	8.5	2,000
E09615	N09400	9.0	2,000
E09615	N09400	9.5	3,000
E09615	N09400	10.0	5,000
E09615	N09400	10.5	18,000
E09615	N09400	11.0	33,000
E09615	N09400	11.5	24,000
E09615	N09400	12.0	13,000
E09615	N09400	12.5	10,000
E09615	N09400	13.0	9,000
E09615	N09400	13.5	8,000
E09615	N09400	14.0	7,000
E09615	N09400	14.5	7,000
E09615	N09400	15.0	7,000
E09615	N09400	15.5	7,000
E09615	N09400	16.0	7,000
E09615	N09400	16.5	6,000
E09670	N09150	0.5	180,000
E09670	N09150	1.0	306,000
E09670	N09150	1.5	610,000
E09670	N09150	2.0	820,000
E09670	N09150	2.5	580,000
E09670	N09150	3.0	340,000
E09670	N09150	3.5	246,000
E09670	N09150	4.0	160,000
E09670	N09150	4.5	39,000
E09670	N09150	5.0	15,000
E09670	N09150	5.5	8,000
E09670	N09150	6.0	5,000
E09670	N09150	6.5	4,000
E09670	N09150	7.0	5,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09670	N09150	7.5	8,000
E09670	N09150	8.0	5,000
E09670	N09150	8.5	8,000
E09670	N09150	9.0	5,000
E09670	N09150	9.5	7,000
E09670	N09150	10.0	7,000
E09670	N09150	10.5	7,000
E09670	N09150	11.0	8,000
E09670	N09150	11.5	8,000
E09670	N09150	12.0	6,000
E09670	N09150	12.5	8,000
E09670	N09150	13.0	8,000
E09670	N09150	13.5	6,000
E09700	N09185	0.5	462,000
E09700	N09185	1.0	732,000
E09700	N09185	1.5	1,600,000
E09700	N09185	2.0	659,000
E09700	N09185	2.5	426,000
E09700	N09185	3.0	288,000
E09700	N09185	3.5	186,000
E09700	N09185	4.0	215,000
E09700	N09185	4.5	101,000
E09700	N09185	5.0	84,000
E09700	N09185	5.5	35,000
E09700	N09185	6.0	17,000
E09700	N09185	6.5	10,000
E09700	N09185	7.0	7,000
E09700	N09185	7.5	9,000
E09700	N09185	8.0	10,000
E09700	N09185	8.5	11,000
E09700	N09185	9.0	10,000
E09700	N09185	9.5	9,000
E09700	N09185	10.0	9,000
E09700	N09185	10.5	9,000
E09700	N09185	11.0	8,000
E09700	N09185	11.5	6,000
E09700	N09185	12.0	6,000
E09700	N09185	12.5	6,000
E09700	N09185	13.0	6,000
E09700	N09185	13.5	6,000
E09700	N09185	14.0	6,000
E09700	N09185	14.5	6,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09700	N09185	15.0	7,000
E09700	N09185	15.5	6,000
E09700	N09185	16.0	6,000
E09700	N09185	16.5	6,000
E09700	N09185	17.0	7,000
E09700	N09185	17.5	8,000
E09700	N09185	18.0	9,000
E09700	N09300	0.5	10,000
E09700	N09300	1.0	6,000
E09700	N09300	1.5	6,000
E09700	N09300	2.0	2,000
E09700	N09300	2.5	2,000
E09700	N09300	3.0	2,000
E09700	N09300	3.5	2,000
E09700	N09300	4.0	2,000
E09700	N09300	4.5	2,000
E09700	N09300	5.0	2,000
E09700	N09300	5.5	1,000
E09700	N09300	6.0	1,000
E09700	N09300	6.5	2,000
E09700	N09300	7.0	3,000
E09700	N09300	7.5	3,000
E09700	N09300	8.0	6,000
E09700	N09300	8.5	12,000
E09700	N09300	9.0	47,000
E09700	N09300	9.5	40,000
E09700	N09300	10.0	19,000
E09700	N09300	10.5	14,000
E09700	N09300	11.0	7,000
E09700	N09300	11.5	7,000
E09700	N09300	12.0	6,000
E09700	N09300	12.5	6,000
E09700	N09300	13.0	6,000
E09700	N09300	13.5	5,000
E09700	N09300	14.0	6,000
E09700	N09300	14.5	5,000
E09700	N09300	15.0	5,000
E09700	N09300	15.5	6,000
E09700	N09300	16.0	6,000
E09700	N09300	16.5	6,000
E09700	N09300	17.0	7,000
E09700	N09300	17.5	10,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09700	N09300	18.0	9,000
E09700	N09500	0.5	19,000
E09700	N09500	1.0	28,000
E09700	N09500	1.5	30,000
E09700	N09500	2.0	25,000
E09700	N09500	2.5	22,000
E09700	N09500	3.0	19,000
E09700	N09500	3.5	16,000
E09700	N09500	4.0	14,000
E09700	N09500	4.5	11,000
E09700	N09500	5.0	10,000
E09700	N09500	5.5	10,000
E09700	N09500	6.0	9,000
E09700	N09500	6.5	7,000
E09700	N09500	7.0	6,000
E09700	N09500	7.5	6,000
E09700	N09500	8.0	6,000
E09700	N09500	8.5	6,000
E09700	N09500	9.0	6,000
E09700	N09500	9.5	5,000
E09700	N09500	10.0	6,000
E09700	N09500	10.5	5,000
E09700	N09500	11.0	6,000
E09700	N09500	11.5	6,000
E09700	N09500	12.0	6,000
E09700	N09500	12.5	6,000
E09700	N09500	13.0	6,000
E09700	N09500	13.5	7,000
E09700	N09500	14.0	8,000
E09700	N09600	0.5	19,000
E09700	N09600	1.0	18,000
E09700	N09600	1.5	20,000
E09700	N09600	2.0	21,000
E09700	N09600	2.5	29,000
E09700	N09600	3.0	28,000
E09700	N09600	3.5	26,000
E09700	N09600	4.0	17,000
E09700	N09600	4.5	11,000
E09700	N09600	5.0	11,000
E09700	N09600	5.5	12,000
E09700	N09600	6.0	14,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09700	N09600	6.5	15,000
E09700	N09945	0.5	15,000
E09700	N09945	1.0	27,000
E09700	N09945	1.5	61,000
E09700	N09945	2.0	169,000
E09700	N09945	2.5	173,000
E09700	N09945	3.0	189,000
E09700	N09945	3.5	117,000
E09700	N09945	4.0	113,000
E09700	N09945	4.5	74,000
E09700	N09945	5.0	24,000
E09700	N09945	5.5	14,000
E09700	N09945	6.0	9,000
E09700	N09945	6.5	8,000
E09700	N09945	7.0	8,000
E09700	N09945	7.5	9,000
E09700	N09945	8.0	9,000
E09700	N09945	8.5	9,000
E09700	N09945	9.0	9,000
E09700	N09945	9.5	10,000
E09700	N09945	10.0	9,000
E09700	N09945	10.5	9,000
E09700	N09945	11.0	9,000
E09700	N09945	11.5	11,000
E09700	N09945	12.0	12,000
E09700	N09945	12.5	14,000
E09700	N09945	13.0	12,000
E09700	N09945	13.5	12,000
E09700	N09945	14.0	12,000
E09700	N09945	14.5	13,000
E09700	N09945	15.0	13,000
E09700	N09945	15.5	9,000
E09700	N09945	16.0	10,000
E09700	N09945	16.5	8,000
E09705	N09295	0.5	33,000
E09705	N09295	1.0	26,000
E09705	N09295	1.5	11,000
E09705	N09295	2.0	11,000
E09705	N09295	2.5	6,000
E09705	N09295	3.0	3,000
E09705	N09295	3.5	2,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09705	N09295	4.0	2,000
E09705	N09295	4.5	2,000
E09705	N09295	5.0	2,000
E09705	N09295	5.5	2,000
E09705	N09295	6.0	2,000
E09705	N09295	6.5	2,000
E09705	N09295	7.0	2,000
E09705	N09295	7.5	4,000
E09705	N09295	8.0	10,000
E09705	N09295	8.5	23,000
E09705	N09295	9.0	36,000
E09705	N09295	9.5	25,000
E09705	N09295	10.0	13,000
E09705	N09295	10.5	11,000
E09705	N09295	11.0	8,000
E09705	N09295	11.5	7,000
E09705	N09295	12.0	7,000
E09705	N09295	12.5	7,000
E09705	N09295	13.0	6,000
E09705	N09295	13.5	6,000
E09705	N09295	14.0	6,000
E09705	N09295	14.5	8,000
E09715	N09397	0.5	12,000
E09715	N09397	1.0	13,000
E09715	N09397	1.5	16,000
E09715	N09397	2.0	28,000
E09715	N09397	2.5	47,000
E09715	N09397	3.0	68,000
E09715	N09397	3.5	50,000
E09715	N09397	4.0	26,000
E09715	N09397	4.5	12,000
E09715	N09397	5.0	6,000
E09715	N09397	5.5	4,000
E09715	N09397	6.0	3,000
E09715	N09397	6.5	3,000
E09715	N09397	7.0	5,000
E09715	N09397	7.5	8,000
E09715	N09397	8.0	9,000
E09715	N09397	8.5	9,000
E09715	N09397	9.0	10,000
E09715	N09397	9.5	9,000
E09725	N09700	0.5	22,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09725	N09700	1.0	21,000
E09725	N09700	1.5	32,000
E09725	N09700	2.0	34,000
E09725	N09700	2.5	23,000
E09725	N09700	3.0	16,000
E09725	N09700	3.5	15,000
E09725	N09700	4.0	16,000
E09725	N09700	4.5	17,000
E09725	N09700	5.0	19,000
E09725	N09700	5.5	16,000
E09725	N09700	6.0	18,000
E09725	N09700	6.5	17,000
E09725	N09700	7.0	16,000
E09725	N09700	7.5	19,000
E09725	N09700	8.0	19,000
E09725	N09700	8.5	19,000
E09740	N09100	0.5	236,000
E09740	N09100	1.0	375,000
E09740	N09100	1.5	461,000
E09740	N09100	2.0	420,000
E09740	N09100	2.5	402,000
E09740	N09100	3.0	360,000
E09740	N09100	3.5	250,000
E09740	N09100	4.0	136,000
E09740	N09100	4.5	32,000
E09740	N09100	5.0	13,000
E09740	N09100	5.5	8,000
E09740	N09100	6.0	5,000
E09740	N09100	6.5	4,000
E09740	N09100	7.0	6,000
E09740	N09100	7.5	11,000
E09740	N09100	8.0	10,000
E09740	N09100	8.5	10,000
E09740	N09100	9.0	10,000
E09740	N09100	9.5	8,000
E09740	N09100	10.0	8,000
E09740	N09100	10.5	7,000
E09740	N09100	11.0	7,000
E09740	N09100	11.5	7,000
E09740	N09100	12.0	8,000
E09740	N09100	12.5	7,000
E09740	N09100	13.0	8,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09785	N09600	0.5	10,000
E09785	N09600	1.0	19,000
E09785	N09600	1.5	23,000
E09785	N09600	2.0	27,000
E09785	N09600	2.5	27,000
E09785	N09600	3.0	27,000
E09785	N09600	3.5	28,000
E09785	N09600	4.0	23,000
E09785	N09600	4.5	16,000
E09785	N09600	5.0	15,000
E09785	N09600	5.5	12,000
E09785	N09600	6.0	11,000
E09785	N09600	6.5	10,000
E09785	N09600	7.0	11,000
E09785	N09600	7.5	10,000
E09785	N09600	8.0	10,000
E09785	N09600	8.5	10,000
E09785	N09600	9.0	10,000
E09785	N09600	9.5	10,000
E09785	N09600	10.0	10,000
E09785	N09600	10.5	9,000
E09785	N09600	11.0	9,000
E09785	N09600	11.5	9,000
E09785	N09600	12.0	9,000
E09785	N09600	12.5	10,000
E09785	N09600	13.0	11,000
E09785	N09600	13.5	12,000
E09785	N09600	14.0	13,000
E09785	N09600	14.5	12,000
E09790	N09120	0.5	36,000
E09790	N09120	1.0	44,000
E09790	N09120	1.5	47,000
E09790	N09120	2.0	20,000
E09790	N09120	2.5	15,000
E09790	N09120	3.0	15,000
E09790	N09120	3.5	15,000
E09790	N09120	4.0	16,000
E09790	N09120	4.5	19,000
E09790	N09120	5.0	26,000
E09790	N09120	5.5	24,000
E09790	N09120	6.0	20,000
E09790	N09120	6.5	17,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09790	N09120	7.0	20,000
E09790	N09120	7.5	17,000
E09790	N09120	8.0	18,000
E09790	N09120	8.5	21,000
E09790	N09120	9.0	21,000
E09790	N09120	9.5	19,000
E09800	N09060	0.5	355,000
E09800	N09060	1.0	580,000
E09800	N09060	1.5	700,000
E09800	N09060	2.0	560,000
E09800	N09060	2.5	410,000
E09800	N09060	3.0	350,000
E09800	N09060	3.5	190,000
E09800	N09060	4.0	76,000
E09800	N09060	4.5	44,000
E09800	N09060	5.0	18,000
E09800	N09060	5.5	12,000
E09800	N09060	6.0	10,000
E09800	N09060	6.5	9,000
E09800	N09060	7.0	7,000
E09800	N09060	7.5	7,000
E09800	N09060	8.0	8,000
E09800	N09060	8.5	8,000
E09800	N09060	9.0	6,000
E09800	N09060	9.5	6,000
E09800	N09060	10.0	6,000
E09800	N09060	10.5	6,000
E09800	N09060	11.0	6,000
E09800	N09060	11.5	6,000
E09800	N09130	0.5	423,000
E09800	N09130	1.0	216,000
E09800	N09130	1.5	110,000
E09800	N09130	2.0	108,000
E09800	N09130	2.5	98,000
E09800	N09130	3.0	368,000
E09800	N09130	3.5	352,000
E09800	N09130	4.0	215,000
E09800	N09130	4.5	96,000
E09800	N09130	5.0	35,000
E09800	N09130	5.5	16,000
E09800	N09130	6.0	11,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09800	N09130	6.5	9,000
E09800	N09130	7.0	8,000
E09800	N09130	7.5	7,000
E09800	N09130	8.0	7,000
E09800	N09130	8.5	7,000
E09800	N09130	9.0	8,000
E09800	N09130	9.5	7,000
E09800	N09130	10.0	7,000
E09800	N09130	10.5	7,000
E09800	N09300	0.5	24,000
E09800	N09300	1.0	24,000
E09800	N09300	1.5	21,000
E09800	N09300	2.0	16,000
E09800	N09300	2.5	13,000
E09800	N09300	3.0	13,000
E09800	N09300	3.5	13,000
E09800	N09300	4.0	13,000
E09800	N09300	4.5	14,000
E09800	N09300	5.0	14,000
E09800	N09300	5.5	14,000
E09800	N09300	6.0	13,000
E09800	N09300	6.5	15,000
E09800	N09300	7.0	16,000
E09800	N09300	7.5	18,000
E09800	N09300	8.0	19,000
E09800	N09300	8.5	16,000
E09800	N09300	9.0	18,000
E09800	N09300	9.5	16,000
E09800	N09300	10.0	17,000
E09800	N09300	10.5	18,000
E09800	N09300	11.0	18,000
E09800	N09300	11.5	19,000
E09800	N09300	12.0	18,000
E09800	N09300	12.5	18,000
E09800	N09300	13.0	17,000
E09800	N09300	13.5	19,000
E09800	N09400	0.5	16,000
E09800	N09400	1.0	18,000
E09800	N09400	1.5	18,000
E09800	N09400	2.0	15,000
E09800	N09400	2.5	34,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09800	N09400	3.0	34,000
E09800	N09400	3.5	22,000
E09800	N09400	4.0	19,000
E09800	N09400	4.5	12,000
E09800	N09400	5.0	13,000
E09800	N09400	5.5	13,000
E09800	N09400	6.0	13,000
E09800	N09400	6.5	13,000
E09800	N09400	7.0	13,000
E09800	N09400	7.5	14,000
E09800	N09400	8.0	14,000
E09800	N09400	8.5	14,000
E09800	N09400	9.0	14,000
E09800	N09400	9.5	15,000
E09800	N09400	10.0	14,000
E09800	N09400	10.5	14,000
E09800	N09400	11.0	16,000
E09800	N09400	11.5	16,000
E09800	N09400	12.0	16,000
E09800	N09400	12.5	19,000
E09800	N09400	13.0	20,000
E09800	N09400	13.5	18,000
E09800	N09400	14.0	19,000
E09800	N09400	14.5	21,000
E09800	N09485	0.5	15,000
E09800	N09485	1.0	17,000
E09800	N09485	1.5	22,000
E09800	N09485	2.0	19,000
E09800	N09485	2.5	13,000
E09800	N09485	3.0	11,000
E09800	N09485	3.5	11,000
E09800	N09485	4.0	12,000
E09800	N09485	4.5	12,000
E09800	N09485	5.0	13,000
E09800	N09485	5.5	12,000
E09800	N09485	6.0	13,000
E09800	N09485	6.5	11,000
E09800	N09485	7.0	12,000
E09800	N09485	7.5	12,000
E09800	N09485	8.0	13,000
E09800	N09485	8.5	13,000
E09800	N09700	0.5	48,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09800	N09700	1.0	62,000
E09800	N09700	1.5	31,000
E09800	N09700	2.0	24,000
E09800	N09700	2.5	20,000
E09800	N09700	3.0	18,000
E09800	N09700	3.5	16,000
E09800	N09700	4.0	13,000
E09800	N09700	4.5	11,000
E09800	N09700	5.0	10,000
E09800	N09700	5.5	10,000
E09800	N09700	6.0	9,000
E09800	N09700	6.5	10,000
E09800	N09700	7.0	10,000
E09800	N09700	7.5	11,000
E09800	N09700	8.0	10,000
E09800	N09700	8.5	10,000
E09800	N09700	9.0	10,000
E09800	N09700	9.5	10,000
E09800	N09700	10.0	10,000
E09800	N09750	0.5	13,000
E09800	N09750	1.0	12,000
E09800	N09750	1.5	13,000
E09800	N09750	2.0	11,000
E09800	N09750	2.5	13,000
E09800	N09750	3.0	17,000
E09800	N09750	3.5	20,000
E09800	N09750	4.0	34,000
E09800	N09750	4.5	25,000
E09800	N09750	5.0	14,000
E09800	N09750	5.5	11,000
E09800	N09750	6.0	10,000
E09800	N09750	6.5	9,000
E09800	N09750	7.0	9,000
E09800	N09750	7.5	9,000
E09800	N09750	8.0	9,000
E09800	N09750	8.5	10,000
E09800	N09750	9.0	11,000
E09800	N09750	9.5	12,000
E09800	N09750	10.0	11,000
E09800	N09750	10.5	11,000
E09800	N09750	11.0	11,000
E09800	N09750	11.5	10,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09800	N09750	12.0	11,000
E09800	N09750	12.5	11,000
E09800	N09750	13.0	10,000
E09800	N09750	13.5	10,000
E09800	N09750	14.0	8,000
E09800	N09750	14.5	8,000
E09800	N09750	15.0	9,000
E09800	N09750	15.5	9,000
E09800	N09750	16.0	9,000
E09800	N09930	0.5	18,000
E09800	N09930	1.0	23,000
E09800	N09930	1.5	32,000
E09800	N09930	2.0	69,000
E09800	N09930	2.5	110,000
E09800	N09930	3.0	117,000
E09800	N09930	3.5	45,000
E09800	N09930	4.0	21,000
E09800	N09930	4.5	22,000
E09800	N09930	5.0	23,000
E09800	N09930	5.5	18,000
E09800	N09930	6.0	9,000
E09800	N09930	6.5	8,000
E09800	N09930	7.0	7,000
E09800	N09930	7.5	8,000
E09800	N09930	8.0	9,000
E09800	N09930	8.5	10,000
E09800	N09930	9.0	11,000
E09800	N09930	9.5	11,000
E09800	N09930	10.0	12,000
E09800	N09930	10.5	12,000
E09800	N09930	11.0	12,000
E09800	N09930	11.5	14,000
E09800	N09930	12.0	14,000
E09800	N09960	0.5	13,000
E09800	N09960	1.0	19,000
E09800	N09960	1.5	22,000
E09800	N09960	2.0	23,000
E09800	N09960	2.5	36,000
E09800	N09960	3.0	92,000
E09800	N09960	3.5	81,000
E09800	N09960	4.0	53,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09800	N09960	4.5	44,000
E09800	N09960	5.0	27,000
E09800	N09960	5.5	24,000
E09800	N09960	6.0	13,000
E09800	N09960	6.5	10,000
E09800	N09960	7.0	9,000
E09800	N09960	7.5	8,000
E09800	N09960	8.0	10,000
E09800	N09960	8.5	9,000
E09800	N09960	9.0	10,000
E09800	N09960	9.5	11,000
E09800	N09960	10.0	11,000
E09800	N09960	10.5	11,000
E09800	N09960	11.0	12,000
E09800	N09960	11.5	12,000
E09800	N09960	12.0	12,000
E09800	N09960	12.5	11,000
E09800	N09960	13.0	12,000
E09800	N09960	13.5	14,000
E09800	N09960	14.0	14,000
E09800	N09960	14.5	15,000
E09800	N09960	15.0	14,000
E09800	N09960	15.5	14,000
E09800	N09960	16.0	15,000
E09800	N09960	16.5	18,000
E09800	N09960	17.0	22,000
E09800	N09960	17.5	21,000
E09800	N09960	18.0	22,000
E09800	N09960	18.5	21,000
E09800	N09960	19.0	22,000
E09800	N09960	19.5	20,000
E09800	N09960	20.0	19,000
E09800	N09960	20.5	19,000
E09850	N09025	0.5	526,000
E09850	N09025	1.0	450,000
E09850	N09025	1.5	500,000
E09850	N09025	2.0	380,000
E09850	N09025	2.5	186,000
E09850	N09025	3.0	71,000
E09850	N09025	3.5	33,000
E09850	N09025	4.0	18,000
E09850	N09025	4.5	14,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09850	N09025	5.0	14,000
E09850	N09025	5.5	12,000
E09850	N09025	6.0	11,000
E09850	N09025	6.5	11,000
E09850	N09025	7.0	13,000
E09850	N09025	7.5	10,000
E09850	N09025	8.0	11,000
E09850	N09025	8.5	10,000
E09850	N09025	9.0	10,000
E09850	N09025	9.5	11,000
E09850	N09025	10.0	10,000
E09850	N09025	10.5	10,000
E09850	N09025	11.0	10,000
E09850	N09025	11.5	10,000
E09850	N09025	12.0	11,000
E09850	N09025	12.5	11,000
E09850	N09025	13.0	12,000
E09850	N09025	13.5	12,000
E09850	N09025	14.0	12,000
E09875	N09015	0.5	25,000
E09875	N09015	1.0	23,000
E09875	N09015	1.5	16,000
E09875	N09015	2.0	13,000
E09875	N09015	2.5	13,000
E09875	N09015	3.0	13,000
E09875	N09015	3.5	13,000
E09875	N09015	4.0	14,000
E09875	N09015	4.5	13,000
E09875	N09015	5.0	13,000
E09875	N09015	5.5	14,000
E09875	N09015	6.0	14,000
E09875	N09015	6.5	14,000
E09875	N09015	7.0	15,000
E09875	N09015	7.5	14,000
E09875	N09015	8.0	14,000
E09900	N09200	0.5	29,000
E09900	N09200	1.0	26,000
E09900	N09200	1.5	20,000
E09900	N09200	2.0	18,000
E09900	N09200	2.5	13,000
E09900	N09200	3.0	12,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09200	3.5	11,000
E09900	N09200	4.0	12,000
E09900	N09200	4.5	14,000
E09900	N09200	5.0	14,000
E09900	N09200	5.5	15,000
E09900	N09200	6.0	16,000
E09900	N09200	6.5	17,000
E09900	N09200	7.0	16,000
E09900	N09200	7.5	15,000
E09900	N09200	8.0	16,000
E09900	N09200	8.5	14,000
E09900	N09200	9.0	16,000
E09900	N09200	9.5	24,000
E09900	N09200	10.0	27,000
E09900	N09310	0.5	16,000
E09900	N09310	1.0	21,000
E09900	N09310	1.5	15,000
E09900	N09310	2.0	12,000
E09900	N09310	2.5	12,000
E09900	N09310	3.0	12,000
E09900	N09310	3.5	11,000
E09900	N09310	4.0	10,000
E09900	N09310	4.5	9,000
E09900	N09310	5.0	10,000
E09900	N09310	5.5	11,000
E09900	N09310	6.0	12,000
E09900	N09310	6.5	12,000
E09900	N09310	7.0	13,000
E09900	N09310	7.5	13,000
E09900	N09310	8.0	13,000
E09900	N09310	8.5	13,000
E09900	N09310	9.0	13,000
E09900	N09310	9.5	13,000
E09900	N09400	0.5	12,000
E09900	N09400	1.0	11,000
E09900	N09400	1.5	11,000
E09900	N09400	2.0	12,000
E09900	N09400	2.5	16,000
E09900	N09400	3.0	19,000
E09900	N09400	3.5	15,000
E09900	N09400	4.0	11,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09400	4.5	10,000
E09900	N09400	5.0	10,000
E09900	N09400	5.5	10,000
E09900	N09400	6.0	10,000
E09900	N09400	6.5	10,000
E09900	N09400	7.0	11,000
E09900	N09400	7.5	11,000
E09900	N09400	8.0	12,000
E09900	N09400	8.5	13,000
E09900	N09400	9.0	14,000
E09900	N09495	0.5	16,000
E09900	N09495	1.0	17,000
E09900	N09495	1.5	15,000
E09900	N09495	2.0	13,000
E09900	N09495	2.5	12,000
E09900	N09495	3.0	12,000
E09900	N09495	3.5	13,000
E09900	N09495	4.0	13,000
E09900	N09495	4.5	12,000
E09900	N09495	5.0	12,000
E09900	N09495	5.5	13,000
E09900	N09495	6.0	12,000
E09900	N09495	6.5	12,000
E09900	N09495	7.0	12,000
E09900	N09495	7.5	12,000
E09900	N09495	8.0	11,000
E09900	N09600	0.5	15,000
E09900	N09600	1.0	44,000
E09900	N09600	1.5	82,000
E09900	N09600	2.0	79,000
E09900	N09600	2.5	54,000
E09900	N09600	3.0	52,000
E09900	N09600	3.5	38,000
E09900	N09600	4.0	31,000
E09900	N09600	4.5	27,000
E09900	N09600	5.0	23,000
E09900	N09600	5.5	25,000
E09900	N09600	6.0	17,000
E09900	N09600	6.5	10,000
E09900	N09600	7.0	10,000
E09900	N09600	7.5	10,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09600	8.0	11,000
E09900	N09600	8.5	10,000
E09900	N09600	9.0	10,000
E09900	N09600	9.5	10,000
E09900	N09600	10.0	12,000
E09900	N09600	10.5	12,000
E09900	N09600	11.0	12,000
E09900	N09600	11.5	12,000
E09900	N09600	12.0	12,000
E09900	N09600	12.5	13,000
E09900	N09600	13.0	12,000
E09900	N09600	13.5	13,000
E09900	N09600	14.0	13,000
E09900	N09600	14.5	13,000
E09900	N09600	15.0	13,000
E09900	N09600	15.5	14,000
E09900	N09700	0.5	18,000
E09900	N09700	1.0	21,000
E09900	N09700	1.5	23,000
E09900	N09700	2.0	15,000
E09900	N09700	2.5	11,000
E09900	N09700	3.0	12,000
E09900	N09700	3.5	12,000
E09900	N09700	4.0	10,000
E09900	N09700	4.5	11,000
E09900	N09700	5.0	11,000
E09900	N09700	5.5	12,000
E09900	N09700	6.0	12,000
E09900	N09700	6.5	11,000
E09900	N09700	7.0	12,000
E09900	N09700	7.5	11,000
E09900	N09700	8.0	12,000
E09900	N09700	8.5	13,000
E09900	N09700	9.0	12,000
E09900	N09700	9.5	14,000
E09900	N09700	10.0	13,000
E09900	N09800	0.5	17,000
E09900	N09800	1.0	15,000
E09900	N09800	1.5	7,000
E09900	N09800	2.0	6,000
E09900	N09800	2.5	4,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09800	3.0	3,000
E09900	N09800	3.5	3,000
E09900	N09800	4.0	3,000
E09900	N09800	4.5	2,000
E09900	N09800	5.0	5,000
E09900	N09800	5.5	8,000
E09900	N09800	6.0	10,000
E09900	N09800	6.5	11,000
E09900	N09800	7.0	12,000
E09900	N09800	7.5	12,000
E09900	N09800	8.0	13,000
E09900	N09800	8.5	15,000
E09900	N09800	9.0	15,000
E09900	N09800	9.5	14,000
E09900	N09800	10.0	13,000
E09900	N09800	10.5	14,000
E09900	N09800	11.0	13,000
E09900	N09800	11.5	12,000
E09900	N09800	12.0	12,000
E09900	N09800	12.5	12,000
E09900	N09800	13.0	13,000
E09900	N09900	0.5	11,000
E09900	N09900	1.0	16,000
E09900	N09900	1.5	15,000
E09900	N09900	2.0	10,000
E09900	N09900	2.5	11,000
E09900	N09900	3.0	14,000
E09900	N09900	3.5	16,000
E09900	N09900	4.0	14,000
E09900	N09900	4.5	15,000
E09900	N09900	5.0	16,000
E09900	N09900	5.5	16,000
E09900	N09900	6.0	17,000
E09900	N09900	6.5	18,000
E09900	N09900	7.0	26,000
E09900	N09900	7.5	40,000
E09900	N09900	8.0	50,000
E09900	N09900	8.5	47,000
E09900	N09900	9.0	27,000
E09900	N09900	9.5	11,000
E09900	N09900	10.0	7,000
E09900	N09900	10.5	6,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09900	11.0	6,000
E09900	N09900	11.5	8,000
E09900	N09900	12.0	9,000
E09900	N09900	12.5	9,000
E09900	N09900	13.0	8,000
E09900	N09900	13.5	8,000
E09900	N09975	0.5	18,000
E09900	N09975	1.0	23,000
E09900	N09975	1.5	37,000
E09900	N09975	2.0	51,000
E09900	N09975	2.5	43,000
E09900	N09975	3.0	14,000
E09900	N09975	3.5	9,000
E09900	N09975	4.0	5,000
E09900	N09975	4.5	4,000
E09900	N09975	5.0	4,000
E09900	N09975	5.5	4,000
E09900	N09975	6.0	4,000
E09900	N09975	6.5	4,000
E09900	N09975	7.0	4,000
E09900	N09975	7.5	4,000
E09900	N09975	8.0	5,000
E09900	N09975	8.5	6,000
E09900	N09975	9.0	7,000
E09900	N09975	9.5	7,000
E09900	N09975	10.0	6,000
E09900	N09975	10.5	6,000
E09900	N09975	11.0	7,000
E09900	N09975	11.5	7,000
E09900	N09975	12.0	8,000
E09900	N09975	12.5	8,000
E09900	N09975	13.0	9,000
E09900	N09975	13.5	8,000
E09900	N09975	14.0	7,000
E09900	N09975	14.5	9,000
E09900	N09975	15.0	8,000
E09900	N09975	15.5	9,000
E09900	N09975	16.0	8,000
E09900	N09975	16.5	8,000
E09900	N09975	17.0	8,000
E09900	N09975	17.5	7,000
E09900	N09975	18.0	6,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09975	18.5	6,000
E09900	N09975	19.0	7,000
E09900	N09975	19.5	7,000
E09900	N09975	20.0	6,000
E09900	N09975	20.5	7,000
E09900	N09975	21.0	9,000
E09900	N09975	21.5	9,000
E09900	N09975	22.0	10,000
E09900	N09975	22.5	9,000
E09900	N09975	23.0	10,000
E09900	N09975	23.5	9,000
E09900	N09995	0.5	43,000
E09900	N09995	1.0	38,000
E09900	N09995	1.5	44,000
E09900	N09995	2.0	66,000
E09900	N09995	2.5	51,000
E09900	N09995	3.0	30,000
E09900	N09995	3.5	19,000
E09900	N09995	4.0	11,000
E09900	N09995	4.5	9,000
E09900	N09995	5.0	8,000
E09900	N09995	5.5	8,000
E09900	N09995	6.0	9,000
E09900	N09995	6.5	11,000
E09900	N09995	7.0	17,000
E09900	N09995	7.5	30,000
E09900	N09995	8.0	39,000
E09900	N09995	8.5	56,000
E09900	N09995	9.0	33,000
E09900	N09995	9.5	14,000
E09900	N09995	10.0	10,000
E09900	N09995	10.5	9,000
E09900	N09995	11.0	9,000
E09900	N09995	11.5	10,000
E09900	N09995	12.0	10,000
E09900	N09995	12.5	11,000
E09900	N09995	13.0	10,000
E09900	N09995	13.5	11,000
E09900	N09995	14.0	10,000
E09900	N09995	14.5	10,000
E09900	N09995	15.0	8,000
E09900	N09995	15.5	8,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09900	N09995	16.0	7,000
E09930	N08980	0.5	13,000
E09930	N08980	1.0	13,000
E09930	N08980	1.5	11,000
E09930	N08980	2.0	11,000
E09930	N08980	2.5	11,000
E09930	N08980	3.0	12,000
E09930	N08980	3.5	14,000
E09930	N08980	4.0	14,000
E09930	N08980	4.5	14,000
E09930	N08980	5.0	14,000
E09985	N09065	0.5	31,000
E09985	N09065	1.0	44,000
E09985	N09065	1.5	25,000
E09985	N09065	2.0	61,000
E09985	N09065	2.5	32,000
E09985	N09065	3.0	23,000
E09985	N09065	3.5	13,000
E09985	N09065	4.0	12,000
E09985	N09065	4.5	12,000
E09985	N09065	5.0	13,000
E09995	N09480 [c]	0.5	13,000
E09995	N09480	1.0	14,000
E09995	N09480	1.5	16,000
E09995	N09480	2.0	18,000
E09995	N09480	2.5	18,000
E09995	N09480	3.0	19,000
E09995	N09480	3.5	16,000
E09995	N09480	4.0	14,000
E09995	N09480	4.5	13,000
E09995	N09480	5.0	14,000
E09995	N09480	5.5	13,000
E09995	N09480	6.0	11,000
E09995	N09480	6.5	11,000
E09995	N09480	7.0	13,000
E09995	N09480	7.5	15,000
E09995	N09480	8.0	17,000
E09995	N09610	0.5	15,000
E09995	N09610	1.0	15,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09995	N09610	1.5	17,000
E09995	N09610	2.0	14,000
E09995	N09610	2.5	13,000
E09995	N09610	3.0	15,000
E09995	N09610	3.5	14,000
E09995	N09610	4.0	15,000
E09995	N09610	4.5	14,000
E09995	N09610	5.0	15,000
E09995	N09610	5.5	16,000
E09995	N09610	6.0	18,000
E09995	N09700	0.5	19,000
E09995	N09700	1.0	27,000
E09995	N09700	1.5	26,000
E09995	N09700	2.0	31,000
E09995	N09700	2.5	25,000
E09995	N09700	3.0	22,000
E09995	N09700	3.5	17,000
E09995	N09700	4.0	15,000
E09995	N09700	4.5	13,000
E09995	N09700	5.0	13,000
E09995	N09700	5.5	14,000
E09995	N09700	6.0	13,000
E09995	N09700	6.5	15,000
E09995	N09700	7.0	15,000
E09995	N09700	7.5	19,000
E09995	N09700	8.0	19,000
E09995	N09700	8.5	21,000
E09995	N09700	9.0	18,000
E09995	N09700	9.5	19,000
E09995	N09700	10.0	19,000
E09995	N09700	10.5	17,000
E09995	N09700	11.0	17,000
E09995	N09700	11.5	17,000
E09995	N09700	12.0	17,000
E09995	N09700	12.5	16,000
E09995	N09700	13.0	15,000
E09995	N09700	13.5	15,000
E09995	N09700	14.0	20,000
E09995	N09800	0.5	27,000
E09995	N09800	1.0	48,000
E09995	N09800	1.5	25,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09995	N09800	2.0	10,000
E09995	N09800	2.5	7,000
E09995	N09800	3.0	4,000
E09995	N09800	3.5	3,000
E09995	N09800	4.0	2,000
E09995	N09800	4.5	2,000
E09995	N09800	5.0	2,000
E09995	N09800	5.5	3,000
E09995	N09800	6.0	3,000
E09995	N09800	6.5	4,000
E09995	N09800	7.0	6,000
E09995	N09800	7.5	8,000
E09995	N09800	8.0	9,000
E09995	N09800	8.5	9,000
E09995	N09800	9.0	9,000
E09995	N09800	9.5	8,000
E09995	N09800	10.0	9,000
E09995	N09800	10.5	8,000
E09995	N09800	11.0	9,000
E09995	N09800	11.5	10,000
E09995	N09800	12.0	11,000
E09995	N09800	12.5	12,000
E09995	N09800	13.0	12,000
E09995	N09800	13.5	13,000
E09995	N09800	14.0	14,000
E09995	N09800	14.5	14,000
E09995	N09800	15.0	14,000
E09995	N09900	0.5	21,000
E09995	N09900	1.0	21,000
E09995	N09900	1.5	45,000
E09995	N09900	2.0	68,000
E09995	N09900	2.5	60,000
E09995	N09900	3.0	42,000
E09995	N09900	3.5	35,000
E09995	N09900	4.0	26,000
E09995	N09900	4.5	24,000
E09995	N09900	5.0	23,000
E09995	N09900	5.5	21,000
E09995	N09900	6.0	20,000
E09995	N09900	6.5	16,000
E09995	N09900	7.0	13,000
E09995	N09900	7.5	13,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09995	N09900	8.0	14,000
E09995	N09900	8.5	15,000
E09995	N09900	9.0	31,000
E09995	N09900	9.5	40,000
E09995	N09900	10.0	38,000
E09995	N09900	10.5	14,000
E09995	N09900	11.0	14,000
E09995	N09900	11.5	13,000
E09995	N09900	12.0	11,000
E09995	N09900	12.5	10,000
E09995	N09900	13.0	9,000
E09995	N09900	13.5	9,000
E09995	N09900	14.0	9,000
E09995	N09900	14.5	10,000
E09995	N09900	15.0	9,000
E09995	N09900	15.5	9,000
E09995	N09900	16.0	8,000
E09995	N09900	16.5	8,000
E09995	N09900	17.0	7,000
E09995	N09990	0.5	53,000
E09995	N09990	1.0	89,000
E09995	N09990	1.5	92,000
E09995	N09990	2.0	85,000
E09995	N09990	2.5	66,000
E09995	N09990	3.0	82,000
E09995	N09990	3.5	76,000
E09995	N09990	4.0	66,000
E09995	N09990	4.5	48,000
E09995	N09990	5.0	42,000
E09995	N09990	5.5	48,000
E09995	N09990	6.0	62,000
E09995	N09990	6.5	91,000
E09995	N09990	7.0	175,000
E09995	N09990	7.5	255,000
E09995	N09990	8.0	286,000
E09995	N09990	8.5	197,000
E09995	N09990	9.0	200,000
E09995	N09990	9.5	113,000
E09995	N09990	10.0	70,000
E09995	N09990	10.5	44,000
E09995	N09990	11.0	41,000
E09995	N09990	11.5	41,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E09995	N09990	12.0	40,000
E09995	N09990	12.5	35,000
E09995	N09990	13.0	25,000
E09995	N09990	13.5	24,000
E09995	N09990	14.0	21,000
E09995	N09990	14.5	19,000
E09995	N09990	15.0	19,000
E09995	N10010	0.5	42,000
E09995	N10010	1.0	40,000
E09995	N10010	1.5	29,000
E09995	N10010	2.0	22,000
E09995	N10010	2.5	19,000
E09995	N10010	3.0	18,000
E09995	N10010	3.5	19,000
E09995	N10010	4.0	21,000
E09995	N10010	4.5	22,000
E09995	N10010	5.0	25,000
E09995	N10010	5.5	36,000
E09995	N10010	6.0	60,000
E09995	N10010	6.5	116,000
E09995	N10010	7.0	142,000
E09995	N10010	7.5	189,000
E09995	N10010	8.0	103,000
E09995	N10010	8.5	79,000
E09995	N10010	9.0	65,000
E09995	N10010	9.5	50,000
E09995	N10010	10.0	48,000
E09995	N10010	10.5	46,000
E09995	N10010	11.0	42,000
E09995	N10010	11.5	38,000
E09995	N10010	12.0	30,000
E09995	N10010	12.5	30,000
E10000	N09300	0.5	10,000
E10000	N09300	1.0	14,000
E10000	N09300	1.5	14,000
E10000	N09300	2.0	13,000
E10000	N09300	2.5	14,000
E10000	N09300	3.0	12,000
E10000	N09300	3.5	12,000
E10000	N09300	4.0	11,000
E10000	N09300	4.5	11,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10000	N09300	5.0	10,000
E10000	N09300	5.5	11,000
E10000	N09300	6.0	10,000
E10000	N09300	6.5	10,000
E10000	N09300	7.0	11,000
E10005	N09420	0.5	20,000
E10005	N09420	1.0	21,000
E10005	N09420	1.5	16,000
E10005	N09420	2.0	13,000
E10005	N09420	2.5	11,000
E10005	N09420	3.0	12,000
E10005	N09420	3.5	12,000
E10005	N09420	4.0	13,000
E10005	N09420	4.5	12,000
E10005	N09420	5.0	11,000
E10005	N09420	5.5	11,000
E10005	N09420	6.0	10,000
E10005	N09420	6.5	10,000
E10005	N09420	7.0	11,000
E10005	N09420	7.5	13,000
E10005	N09420	8.0	14,000
E10005	N09420	8.5	14,000
E10015	N09200	0.5	14,000
E10015	N09200	1.0	19,000
E10015	N09200	1.5	27,000
E10015	N09200	2.0	35,000
E10015	N09200	2.5	23,000
E10015	N09200	3.0	14,000
E10015	N09200	3.5	12,000
E10015	N09200	4.0	11,000
E10015	N09200	4.5	11,000
E10015	N09200	5.0	11,000
E10015	N09200	5.5	11,000
E10015	N09200	6.0	12,000
E10015	N09200	6.5	12,000
E10015	N09200	7.0	11,000
E10015	N09200	7.5	12,000
E10015	N09200	8.0	12,000
E10015	N09200	8.5	12,000
E10015	N09200	9.0	11,000
E10015	N09200	9.5	10,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10030	N10000	0.5	71,000
E10030	N10000	1.0	186,000
E10030	N10000	1.5	274,000
E10030	N10000	2.0	411,000
E10030	N10000	2.5	465,000
E10030	N10000	3.0	293,000
E10030	N10000	3.5	98,000
E10030	N10000	4.0	85,000
E10030	N10000	4.5	56,000
E10030	N10000	5.0	55,000
E10030	N10000	5.5	74,000
E10030	N10000	6.0	132,000
E10030	N10000	6.5	108,000
E10030	N10000	7.0	44,000
E10030	N10000	7.5	24,000
E10030	N10000	8.0	19,000
E10030	N10000	8.5	18,000
E10030	N10000	9.0	17,000
E10035	N09135	0.5	16,000
E10035	N09135	1.0	21,000
E10035	N09135	1.5	16,000
E10035	N09135	2.0	12,000
E10035	N09135	2.5	11,000
E10035	N09135	3.0	10,000
E10035	N09135	3.5	11,000
E10035	N09135	4.0	11,000
E10035	N09135	4.5	12,000
E10035	N09135	5.0	11,000
E10040	N09950	0.5	36,000
E10040	N09950	1.0	44,000
E10040	N09950	1.5	68,000
E10040	N09950	2.0	115,000
E10040	N09950	2.5	150,000
E10040	N09950	3.0	217,000
E10040	N09950	3.5	349,000
E10040	N09950	4.0	326,000
E10040	N09950	4.5	323,000
E10040	N09950	5.0	176,000
E10040	N09950	5.5	182,000
E10040	N09950	6.0	294,000
E10040	N09950	6.5	179,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10040	N09950	7.0	200,000
E10040	N09950	7.5	261,000
E10040	N09950	8.0	306,000
E10040	N09950	8.5	152,000
E10040	N09950	9.0	87,000
E10040	N09950	9.5	30,000
E10040	N09950	10.0	21,000
E10040	N09950	10.5	18,000
E10040	N09950	11.0	18,000
E10040	N09950	11.5	19,000
E10040	N09950	12.0	15,000
E10040	N09950	12.5	13,000
E10040	N09950	13.0	12,000
E10040	N09950	13.5	13,000
E10040	N09950	14.0	13,000
E10040	N09950	14.5	14,000
E10040	N09950	15.0	14,000
E10040	N09950	15.5	14,000
E10040	N09950	16.0	14,000
E10040	N09950	16.5	12,000
E10040	N09950	17.0	10,000
E10045	N09905	0.5	188,000
E10045	N09905	1.0	195,000
E10045	N09905	1.5	361,000
E10045	N09905	2.0	508,000
E10045	N09905	2.5	698,000
E10045	N09905	3.0	682,000
E10045	N09905	3.5	625,000
E10045	N09905	4.0	833,000
E10045	N09905	4.5	1,600,000
E10045	N09905	5.0	868,000
E10045	N09905	5.5	682,000
E10045	N09905	6.0	667,000
E10045	N09905	6.5	588,000
E10045	N09905	7.0	366,000
E10045	N09905	7.5	319,000
E10045	N09905	8.0	138,000
E10045	N09905	8.5	91,000
E10045	N09905	9.0	68,000
E10045	N09905	9.5	59,000
E10045	N09905	10.0	58,000
E10045	N09905	10.5	64,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10045	N09905	11.0	59,000
E10045	N09905	11.5	46,000
E10045	N09905	12.0	46,000
E10045	N09905	12.5	38,000
E10045	N09905	13.0	33,000
E10045	N09905	13.5	28,000
E10045	N09905	14.0	21,000
E10050	N09800	0.5	236,000
E10050	N09800	1.0	233,000
E10050	N09800	1.5	154,000
E10050	N09800	2.0	168,000
E10050	N09800	2.5	214,000
E10050	N09800	3.0	129,000
E10050	N09800	3.5	58,000
E10050	N09800	4.0	26,000
E10050	N09800	4.5	13,000
E10050	N09800	5.0	10,000
E10050	N09800	5.5	10,000
E10050	N09800	6.0	11,000
E10050	N09800	6.5	10,000
E10050	N09800	7.0	11,000
E10050	N09800	7.5	11,000
E10050	N09800	8.0	11,000
E10050	N09800	8.5	12,000
E10050	N09800	9.0	13,000
E10050	N09800	9.5	13,000
E10050	N09800	10.0	13,000
E10050	N09800	10.5	13,000
E10050	N09800	11.0	13,000
E10050	N09800	11.5	12,000
E10050	N09800	12.0	14,000
E10050	N09800	12.5	14,000
E10050	N09800	13.0	14,000
E10050	N09800	13.5	15,000
E10050	N09800	14.0	16,000
E10050	N09850	0.5	403,000
E10050	N09850	1.0	648,000
E10050	N09850	1.5	1,200,000
E10050	N09850	2.0	1,800,000
E10050	N09850	2.5	2,200,000
E10050	N09850	3.0	2,100,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10050	N09850	3.5	2,400,000
E10050	N09850	4.0	2,100,000
E10050	N09850	4.5	1,900,000
E10050	N09850	5.0	2,300,000
E10050	N09850	5.5	1,800,000
E10050	N09850	6.0	779,000
E10050	N09850	6.5	396,000
E10050	N09850	7.0	185,000
E10050	N09850	7.5	94,000
E10050	N09850	8.0	80,000
E10050	N09850	8.5	73,000
E10050	N09850	9.0	59,000
E10050	N09850	9.5	43,000
E10050	N09850	10.0	27,000
E10050	N09850	10.5	22,000
E10065	N09175	0.5	12,000
E10065	N09175	1.0	12,000
E10065	N09175	1.5	11,000
E10065	N09175	2.0	10,000
E10065	N09175	2.5	10,000
E10065	N09175	3.0	9,000
E10065	N09175	3.5	9,000
E10065	N09175	4.0	8,000
E10065	N09175	4.5	8,000
E10065	N09175	5.0	8,000
E10065	N09175	5.5	8,000
E10065	N09175	6.0	9,000
E10065	N09175	6.5	10,000
E10065	N09175	7.0	11,000
E10065	N09175	7.5	12,000
E10065	N09175	8.0	12,000
E10065	N09175	8.5	13,000
E10065	N09175	9.0	13,000
E10065	N09175	9.5	13,000
E10100	N09800	0.5	61,000
E10100	N09800	1.0	77,000
E10100	N09800	1.5	141,000
E10100	N09800	2.0	144,000
E10100	N09800	2.5	126,000
E10100	N09800	3.0	52,000
E10100	N09800	3.5	44,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10100	N09800	4.0	18,000
E10100	N09800	4.5	12,000
E10100	N09800	5.0	9,000
E10100	N09800	5.5	7,000
E10100	N09800	6.0	8,000
E10100	N09800	6.5	8,000
E10100	N09800	7.0	9,000
E10100	N09800	7.5	10,000
E10100	N09800	8.5	11,000
E10100	N09800	8.5	12,000
E10100	N09800	9.0	12,000
E10100	N09800	9.5	12,000
E10100	N09800	10.0	11,000
E10100	N09800	10.5	10,000
E10100	N09800	11.0	10,000
E10100	N09850	0.5	2,000,000
E10100	N09850	1.0	2,600,000
E10100	N09850	1.5	3,100,000
E10100	N09850	2.0	2,500,000
E10100	N09850	2.5	2,500,000
E10100	N09850	3.0	2,300,000
E10100	N09850	3.5	1,700,000
E10100	N09850	4.0	455,000
E10100	N09850	4.5	448,000
E10100	N09850	5.0	149,000
E10100	N09850	5.5	42,000
E10100	N09850	6.0	40,000
E10100	N09850	6.5	30,000
E10100	N09850	7.0	26,000
E10100	N09850	7.5	18,000
E10100	N09850	8.0	16,000
E10100	N09850	8.5	15,000
E10100	N09850	9.0	15,000
E10100	N09850	9.5	14,000
E10100	N09900	0.5	808,000
E10100	N09900	1.0	1,600,000
E10100	N09900	1.5	1,400,000
E10100	N09900	2.0	3,500,000
E10100	N09900	2.5	3,800,000
E10100	N09900	3.0	1,700,000
E10100	N09900	3.5	2,000,000

TABLE 5-3

(continued)

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Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10100	N09900	4.0	2,700,000
E10100	N09900	4.5	1,000,000
E10100	N09900	5.0	941,000
E10100	N09900	5.5	426,000
E10100	N09900	6.0	420,000
E10100	N09900	6.5	162,000
E10100	N09900	7.0	108,000
E10100	N09900	7.5	64,000
E10100	N09900	8.0	62,000
E10100	N09900	8.5	29,000
E10100	N09900	9.0	22,000
E10100	N09900	9.5	17,000
E10100	N09950	0.5	1,000,000
E10100	N09950	1.0	4,000,000
E10100	N09950	1.5	3,600,000
E10100	N09950	2.0	2,400,000
E10100	N09950	2.5	1,000,000
E10100	N09950	3.0	600,000
E10100	N09950	3.5	674,000
E10100	N09950	4.0	1,900,000
E10100	N09950	4.5	2,100,000
E10100	N09950	5.0	2,000,000
E10100	N09950	5.5	1,400,000
E10100	N09950	6.0	612,000
E10100	N09950	6.5	606,000
E10100	N09950	7.0	314,000
E10100	N09950	7.5	307,000
E10100	N09950	8.0	115,000
E10100	N09950	8.5	68,000
E10100	N09950	9.0	34,000
E10100	N09950	9.5	30,000
E10100	N09950	10.0	31,000
E10100	N09950	10.5	30,000
E10100	N09950	11.0	31,000
E10100	N09950	11.5	32,000
E10100	N09950	12.0	26,000
E10100	N09950	12.5	25,000
E10100	N09950	13.0	22,000
E10100	N09950	13.5	21,000
E10100	N09950	14.0	16,000
E10100	N09990	0.5	1,800,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10100	N09990	1.0	1,800,000
E10100	N09990	1.5	2,600,000
E10100	N09990	2.0	2,800,000
E10100	N09990	2.5	4,300,000
E10100	N09990	3.0	2,400,000
E10100	N09990	3.5	2,700,000
E10100	N09990	4.0	1,800,000
E10100	N09990	4.5	792,000
E10100	N09990	5.0	674,000
E10100	N09990	5.5	667,000
E10100	N09990	6.0	219,000
E10100	N09990	6.5	165,000
E10100	N09990	7.0	148,000
E10100	N09990	7.5	92,000
E10100	N09990	8.0	57,000
E10100	N09990	8.5	27,000
E10100	N09990	9.0	16,000
E10100	N09990	9.5	15,000
E10100	N09990	10.0	14,000
E10100	N09990	10.5	15,000
E10100	N09990	11.0	16,000
E10100	N09990	11.5	18,000
E10100	N09990	12.0	16,000
E10100	N09990	12.5	16,000
E10100	N09990	13.0	15,000
E10100	N09990	13.5	16,000
E10150	N09850	0.5	2,300,000
E10150	N09850	1.0	1,800,000
E10150	N09850	1.5	1,700,000
E10150	N09850	2.0	1,900,000
E10150	N09850	2.5	1,700,000
E10150	N09850	3.0	1,800,000
E10150	N09850	3.5	2,300,000
E10150	N09850	4.0	2,200,000
E10150	N09850	4.5	1,300,000
E10150	N09850	5.0	533,000
E10150	N09850	5.5	263,000
E10150	N09850	6.0	163,000
E10150	N09850	6.5	93,000
E10150	N09850	7.0	72,000
E10150	N09850	7.5	58,000
E10150	N09850	8.0	39,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10150	N09850	8.5	27,000
E10150	N09850	9.0	20,000
E10150	N09850	9.5	16,000
E10150	N09850	10.0	16,000
E10150	N09900	0.5	875,000
E10150	N09900	1.0	2,600,000
E10150	N09900	1.5	2,600,000
E10150	N09900	2.0	2,100,000
E10150	N09900	2.5	2,500,000
E10150	N09900	3.0	2,300,000
E10150	N09900	3.5	2,700,000
E10150	N09900	4.0	2,400,000
E10150	N09900	4.5	1,000,000
E10150	N09900	5.0	451,000
E10150	N09900	5.5	448,000
E10150	N09900	6.0	341,000
E10150	N09900	6.5	339,000
E10150	N09900	7.0	287,000
E10150	N09900	7.5	202,000
E10150	N09900	8.0	135,000
E10150	N09900	8.5	81,000
E10150	N09900	9.0	33,000
E10150	N09900	9.5	24,000
E10150	N09950	0.5	647,000
E10150	N09950	1.0	1,600,000
E10150	N09950	1.5	2,100,000
E10150	N09950	2.0	2,200,000
E10150	N09950	2.5	2,200,000
E10150	N09950	3.0	1,600,000
E10150	N09950	3.5	1,600,000
E10150	N09950	4.0	1,900,000
E10150	N09950	4.5	874,000
E10150	N09950	5.0	441,000
E10150	N09950	5.5	186,000
E10150	N09950	6.0	120,000
E10150	N09950	6.5	50,000
E10150	N09950	7.0	48,000
E10150	N09950	7.5	74,000
E10150	N09950	8.0	78,000
E10150	N09950	8.5	205,000
E10150	N09950	9.0	208,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10150	N09950	9.5	136,000
E10200	N09810	0.5	625,000
E10200	N09810	1.0	765,000
E10200	N09810	1.5	2,100,000
E10200	N09810	2.0	1,500,000
E10200	N09810	2.5	811,000
E10200	N09810	3.0	600,000
E10200	N09810	3.5	395,000
E10200	N09810	4.0	213,000
E10200	N09810	4.5	208,000
E10200	N09810	5.0	67,000
E10200	N09810	5.5	32,000
E10200	N09810	6.0	21,000
E10200	N09810	6.5	13,000
E10200	N09810	7.0	11,000
E10200	N09810	7.5	12,000
E10200	N09810	8.0	13,000
E10200	N09810	8.5	13,000
E10200	N09810	9.0	15,000
E10200	N09810	9.5	14,000
E10200	N09810	10.0	14,000
E10200	N09810	10.5	16,000
E10200	N09810	11.0	16,000
E10200	N09810	11.5	18,000
E10200	N09810	12.0	17,000
E10200	N09810	12.5	16,000
E10200	N09810	13.0	16,000
E10200	N09810	13.5	17,000
E10200	N09810	14.0	16,000
E10200	N09900	0.5	172,000
E10200	N09900	1.0	183,000
E10200	N09900	1.5	189,000
E10200	N09900	2.0	279,000
E10200	N09900	2.5	484,000
E10200	N09900	3.0	650,000
E10200	N09900	3.5	826,000
E10200	N09900	4.0	935,000
E10200	N09900	4.5	1,100,000
E10200	N09900	5.0	1,900,000
E10200	N09900	5.5	1,200,000
E10200	N09900	6.0	693,000

TABLE 5-3
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10200	N09900	6.5	358,000
E10200	N09900	7.0	320,000
E10200	N09900	7.5	496,000
E10200	N09900	8.0	759,000
E10200	N09900	8.5	416,000
E10200	N09900	9.0	246,000
E10200	N09985	0.5	115,000
E10200	N09985	1.0	366,000
E10200	N09985	1.5	1,000,000
E10200	N09985	2.0	1,200,000
E10200	N09985	2.5	1,300,000
E10200	N09985	3.0	600,000
E10200	N09985	3.5	405,000
E10200	N09985	4.0	273,000
E10200	N09985	4.5	286,000
E10200	N09985	5.0	248,000
E10200	N09985	5.5	191,000
E10200	N09985	6.0	141,000
E10200	N09985	6.5	57,000
E10200	N09985	7.0	30,000
E10200	N09985	7.5	25,000
E10200	N09985	8.0	18,000
E10250	N09850	0.5	484,000
E10250	N09850	1.0	1,000,000
E10250	N09850	1.5	1,400,000
E10250	N09850	2.0	827,000
E10250	N09850	2.5	442,000
E10250	N09850	3.0	156,000
E10250	N09850	3.5	163,000
E10250	N09850	4.0	134,000
E10250	N09850	4.5	128,000
E10250	N09850	5.0	109,000
E10250	N09850	5.5	120,000
E10250	N09850	6.0	153,000
E10250	N09850	6.5	172,000
E10250	N09850	7.0	160,000
E10250	N09850	7.5	143,000
E10250	N09850	8.0	135,000
E10250	N09850	8.5	126,000
E10250	N09850	9.0	108,000
E10250	N09850	9.5	106,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10250	N09950[b]	0.5	197,000
E10250	N09950	1.0	556,000
E10250	N09950	1.5	395,000
E10250	N09950	2.0	225,000
E10250	N09950	2.5	223,000
E10250	N09950	3.0	277,000
E10250	N09950	3.5	1,000,000
E10250	N09950	4.0	602,000
E10250	N09950	4.5	426,000
E10250	N09950	5.0	333,000
E10250	N09950	5.5	332,000
E10250	N09950	6.0	293,000
E10250	N09950	6.5	313,000
E10250	N09950	7.0	249,000
E10250	N09950	7.5	168,000
E10250	N09950	8.0	93,000
E10295	N09805	0.5	243,000
E10295	N09805	1.0	278,000
E10295	N09805	1.5	173,000
E10295	N09805	2.0	175,000
E10295	N09805	2.5	183,000
E10295	N09805	3.0	221,000
E10295	N09805	3.5	320,000
E10295	N09805	4.0	237,000
E10295	N09805	4.5	134,000
E10295	N09805	5.0	45,000
E10295	N09805	5.5	24,000
E10295	N09805	6.0	24,000
E10295	N09805	6.5	18,000
E10295	N09805	7.0	16,000
E10300	N09985	0.5	42,000
E10300	N09985	1.0	55,000
E10300	N09985	1.5	143,000
E10300	N09985	2.0	275,000
E10300	N09985	2.5	214,000
E10300	N09985	3.0	136,000
E10300	N09985	3.5	104,000
E10300	N09985	4.0	57,000
E10300	N09985	4.5	59,000
E10300	N09985	5.0	56,000
E10300	N09985	5.5	49,000

TABLE 5-3

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Counts per Minute
E10300	N09985	6.0	32,000
E10300	N09985	6.5	29,000
E10300	N09985	7.0	32,000
E10300	N09985	7.5	37,000
E10300	N09985	8.0	37,000
E10300	N09985	8.5	41,000
E10300	N09985	9.0	51,000
E10315	N09900	0.5	42,000
E10315	N09900	1.0	88,000
E10315	N09900	1.5	85,000
E10315	N09900	2.0	51,000
E10315	N09900	2.5	49,000
E10315	N09900	3.0	19,000
E10315	N09900	3.5	15,000
E10315	N09900	4.0	13,000
E10315	N09900	4.5	11,000
E10315	N09900	5.0	11,000
E10315	N09900	5.5	10,000
E10315	N09900	6.0	10,000
E10315	N09900	6.5	11,000
E10315	N09900	7.0	14,000
E10315	N09900	7.5	16,000
E10315	N09900	8.0	19,000
E10315	N09900	8.5	21,000
E10315	N09900	9.0	29,000
E10315	N09900	9.5	39,000

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

[b] Radiological support subcontractor drilled hole as a data check without geologist present; consequently, there is no geologic drill log for this hole.

[c] Hole drilled specifically to obtain composite chemical samples and gamma logged only to provide additional data. As such, the last depth given does not represent undisturbed soil or indicate that the contamination was penetrated.

[d] Hole drilled to obtain composite chemical samples as a data check without geologist present; consequently, there is no geologic log for this hole.

TABLE 5-4

SUBSURFACE SOIL SAMPLING RESULTS AT THE MISS

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09270	N09755	0-1	<34.0	<5.0	14.0 ± 2.0
E09270	N09755	1-2	21.0 ± 2.0	<4.0	20.0 ± 4.0
E09270	N09755	2-3	<68.0	<7.0	36.0 ± 4.0
E09270	N09755	3-4	<35.0	<7.0	<11.0
E09270	N09755	4-5	<20.0	<3.0	<9.0
E09270	N09755	5-6	<36.0	<5.0	<14.0
E09270	N09755	6-7	<70.0	28.0 ± 1.0	324.0 ± 27.0
E09270	N09755	7-8	<87.0	17.0 ± 4.0	200.0 ± 19.0
E09270	N09755	8-9	<76.0	19.0 ± 1.0	173.0 ± 20.0
E09270	N09755	9-10	<52.0	15.0 ± 2.0	60.0 ± 10.0
E09400	N09595	0-1	<21.0	<2.0	5.0 ± 2.0
E09400	N09595	1-2	<14.0	<2.0	1.2 ± 1.0
E09400	N09595	2-3	<18.0	<5.0	<5.0
E09400	N09595	3-4	<20.0	<4.0	<3.0
E09400	N09595	4-5	<17.0	<4.0	<7.0
E09400	N09595	5-6	<52.0	61.0 ± 10.0	3.0 ± 4.0
E09400	N09595	6-7	<22.0	<5.0	<7.0
E09400	N09595	7-8	<18.0	<4.0	<4.0
E09400	N09595	8-9	<12.0	<2.0	<4.0
E09400	N09595	9-10	<13.0	<2.0	<4.0
E09400	N09595	10-11	<42.0	<7.0	<21.0
E09400	N09595	11-12	<48.0	<11.0	<24.0
E09400	N09595	12-13	<31.0	11.0 ± 1.0	9.0 ± 3.0
E09400	N09595	13-14	<12.0	1.3 ± 0.5	<2.0
E09400	N09595	14-15	<30.0	9.0 ± 1.0	12.0 ± 2.0
E09400	N09595	15-16	<28.0	8.0 ± 0.2	9.0 ± 3.0
E09415	N09430	0-1	<24.0	<5.0	16.0 ± 7.0
E09415	N09430	1-2	<14.0	<5.0	7.0 ± 2.0
E09415	N09430	2-3	10.0 ± 4.0	<3.0	<6.0
E09415	N09430	3-4	<15.0	<3.0	<7.0
E09415	N09430	4-5	<14.0	<4.0	<7.0
E09415	N09430	5-6	<18.0	<5.0	<8.0
E09415	N09430	6-7	<15.0	<3.0	<6.0
E09415	N09430	7-8	<14.0	<3.0	<4.0
E09415	N09430	8-9	4.0 ± 2.0	<4.0	<5.0
E09415	N09430	9-10	<17.0	3.0 ± 1.0	<6.0
E09475	N09350	0-1	<34.0	4.0 ± 2.0	42.0 ± 19.0
E09475	N09350	1-2	<23.0	<5.0	24.0 ± 7.0
E09475	N09350	2-3	<15.0	2.0 ± 0.3	10.0 ± 2.0
E09475	N09350	3-4	<11.0	<4.0	<5.0
E09475	N09350	4-5	<13.0	<3.0	<4.0
E09475	N09350	5-6	<11.0	<3.0	<5.0
E09475	N09350	6-7	<18.0	<4.0	<8.0

TABLE 5-4

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09475	N09350	7-8	<17.0	<4.0	2.0 ± 1.0
E09475	N09350	8-9	<17.0	2.0 ± 1.0	<9.0
E09475	N09350	9-10	<13.0	<4.0	<5.0
E09500	N09400	0-1	<30.0	3.0 ± 1.0	22.0 ± 5.0
E09500	N09400	1-2	<13.0	<2.0	4.0 ± 2.0
E09500	N09400	2-3	<24.0	<5.0	<7.0
E09500	N09400	3-4	<21.0	<5.0	<8.0
E09500	N09400	4-5	<7.0	1.0 ± 1.0	<3.0
E09500	N09400	5-6	<8.0	1.0 ± 1.0	<2.0
E09500	N09400	6-7	<14.0	2.0 ± 1.0	<5.0
E09500	N09400	7-8	<13.0	1.0 ± 1.0	<3.0
E09500	N09400	8-9	<101.0	19.0 ± 5.0	172.0 ± 29.0
E09500	N09400	9-10	<19.0	2.0 ± 0.1	16.0 ± 2.0
E09500	N09400	10-11	<28.0	3.0 ± 1.0	35.0 ± 4.0
E09500	N09400	11-12	<17.0	2.0 ± 1.0	<6.0
E09500	N09650	0-1	<34.0	<6.0	<8.0
E09500	N09650	1-2	<23.0	<5.0	<8.0
E09500	N09650	2-3	<25.0	<4.0	<4.0
E09500	N09650	3-4	<21.0	<3.0	<4.0
E09500	N09650	4-5	<17.0	<3.0	<5.0
E09500	N09650	5-6	<21.0	<4.0	<4.0
E09500	N09650	6-7	<66.0	6.0 ± 2.0	31.0 ± 6.0
E09500	N09650	7-8	<26.0	3.0 ± 1.0	<9.0
E09550	N09350	0-1	<69.0	4.0 ± 2.0	36.0 ± 5.0
E09550	N09350	1-2	<30.0	4.0 ± 1.0	14.0 ± 3.0
E09550	N09350	2-3	<12.0	2.0 ± 1.0	<5.0
E09550	N09350	3-4	<10.0	<2.0	<3.0
E09550	N09350	4-5	<9.0	1.0 ± 0.4	<3.0
E09550	N09350	5-6	<8.0	1.0 ± 1.0	<2.0
E09550	N09350	6-7	<22.0	2.0 ± 0.2	<7.0
E09550	N09350	8-9	<37.0	7.0 ± 1.0	35.0 ± 8.0
E09550	N09350	9-10	<21.0	2.0 ± 1.0	8.0 ± 1.0
E09550	N09350	10-11	<23.0	7.0 ± 2.0	16.0 ± 2.0
E09550	N09350	11-12	<8.0	<2.0	<4.0
E09570	N09605	0-1	<42.0	7.0 ± 2.0	19.0 ± 9.0
E09570	N09605	1-2	<51.0	9.0 ± 3.0	43.0 ± 6.0
E09570	N09605	2-3	<35.0	24.0 ± 5.0	98.0 ± 9.0
E09570	N09605	3-4	<21.0	2.0 ± 1.0	3.0 ± 1.0
E09570	N09605	4-5	<38.0	12.0 ± 4.0	93.0 ± 11.0
E09570	N09605	5-6	<38.0	<4.0	<14.0
E09570	N09605	6-7	<35.0	<7.0	13.0 ± 1.0
E09570	N09605	7-8	<24.0	<6.0	<9.0
E09600	N09300	0-1	34.0 ± 11.0	8.0 ± 2.0	66.0 ± 8.0

TABLE 5-4

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09600	N09300	1-2	<22.0	<5.0	19.0 ± 3.0
E09600	N09300	2-3	<18.0	<4.0	11.0 ± 2.0
E09600	N09300	3-4	<16.0	<2.0	8.0 ± 1.0
E09600	N09300	5-6	<34.0	4.0 ± 2.0	42.0 ± 19.0
E09600	N09300	6-7	<18.0	2.0 ± 1.0	19.0 ± 7.0
E09600	N09300	7-8	60.0 ± 16.0	<7.0	137.0 ± 22.0
E09600	N09300	8-9	<10.0	5.0 ± 1.0	<3.0
E09600	N09300	9-10	<28.0	2.0 ± 1.0	42.0 ± 4.0
E09600	N09500	0-1	<25.0	<6.0	<9.0
E09600	N09500	1-2	<31.0	<5.0	<7.0
E09600	N09500	2-3	<13.0	<3.0	<5.0
E09600	N09500	3-4	<16.0	<4.0	<7.0
E09600	N09500	4-5	<23.0	2.0 ± 1.0	12.0 ± 1.0
E09600	N09500	5-6	<26.0	2.0 ± 1.0	17.0 ± 2.0
E09600	N09500	6-7	<40.0	<5.0	53.0 ± 10.0
E09600	N09500	7-8	<15.0	<3.0	<7.0
E09600	N09500	8-9	<19.0	<4.0	<4.0
E09600	N09500	9-10	<15.0	2.0 ± 1.0	<7.0
E09600	N09910	0-1	<26.0	<2.0	<6.0
E09600	N09910	1-2	<22.0	<5.0	<7.0
E09600	N09910	2-3	<18.0	<3.0	<7.0
E09600	N09910	3-4	<18.0	<5.0	<5.0
E09600	N09910	4-6	<23.0	<6.0	<9.0
E09600	N09910	6-7	<19.0	<5.0	<3.0
E09600	N09910	7-8	<20.0	<5.0	<6.0
E09615	N09400	0-1	<36.0	<6.0	<15.0
E09615	N09400	1-2	<36.0	<5.0	<6.0
E09615	N09400	2-3	<41.0	<7.0	<14.0
E09615	N09400	3-4	<20.0	<3.0	<4.0
E09615	N09400	4-5	<17.0	<3.0	<6.0
E09615	N09400	6-7	<26.0	<6.0	<10.0
E09615	N09400	7-8	<18.0	<6.0	<7.0
E09615	N09400	8-9	<27.0	<6.0	<5.0
E09615	N09400	9-10	<18.0	<2.0	<5.0
E09615	N09400	10-11	<15.0	<3.0	<5.0
E09615	N09400	11-12	<17.0	<3.0	<5.0
E09615	N09400	12-13	<14.0	<2.0	<4.0
E09615	N09400	13-14	<14.0	<3.0	<6.0
E09615	N09400	14-15	<14.0	<2.0	<3.0
E09615	N09400	15-16	<10.0	<2.0	<4.0
E09700	N09300	0-1	<30.0	<7.0	<11.0
E09700	N09300	1-2	<18.0	<4.0	<6.0
E09700	N09300	2-3	<23.0	<6.0	<8.0

TABLE 5-4

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09700	N09300	3-4	<16.0	<4.0	<5.0
E09700	N09300	4-5	<11.0	<2.0	<4.0
E09700	N09300	5-6	<17.0	<4.0	<4.0
E09700	N09300	6-7	<14.0	<3.0	<4.0
E09700	N09300	7-8	<23.0	<4.0	<6.0
E09700	N09300	8-9	<20.0	<3.0	3.0 ± 1.0
E09700	N09300	9-10	<26.0	6.0 ± 1.0	13.0 ± 3.0
E09700	N09300	10-11	<21.0	<6.0	<14.0
E09700	N09300	11-12	<16.0	<4.0	<6.0
E09700	N09300	12-13	<15.0	<2.0	<2.0
E09700	N09300	13-14	<12.0	<4.0	<6.0
E09700	N09600	0-1	<31.0	<6.0	7.2 ± 2.0
E09700	N09600	1-2	<26.0	<6.0	<10.0
E09700	N09600	2-3	<33.0	5.0 ± 1.0	6.5 ± 1.0
E09700	N09600	3-4	<30.0	<4.0	<7.0
E09700	N09600	4-5	<30.0	2.4 ± 0.1	9.0 ± 4.0
E09700	N09600	5-6	<23.0	1.2 ± 0.3	<7.0
E09700	N09600	6-7	<33.0	2.6 ± 2.0	7.6 ± 2.0
E09715	N09397	0-1	<14.0	2.0 ± 1.0	3.0 ± 1.0
E09715	N09397	1-2	<16.0	1.0 ± 1.0	5.0 ± 1.0
E09715	N09397	2-3	<21.0	<4.0	7.0 ± 1.0
E09715	N09397	3-4	<22.0	4.0 ± 1.0	13.0 ± 1.0
E09715	N09397	4-5	<14.0	1.0 ± 1.0	3.0 ± 1.0
E09715	N09397	5-6	<11.0	<2.0	2.0 ± 1.0
E09715	N09397	6-7	<13.0	<2.0	<2.0
E09715	N09397	7-8	<16.0	<2.0	<4.0
E09715	N09397	8-9	<8.0	2.0 ± 0.2	2.0 ± 0.4
E09715	N09397	9-10	<10.0	<2.0	<4.0
E09725	N09700	0-1	<37.0	8.7 ± 2.0	4.4 ± 2.0
E09725	N09700	1-2	<36.0	6.3 ± 2.0	18.0 ± 8.0
E09725	N09700	2-3	<27.0	<8.0	34.0 ± 2.0
E09725	N09700	3-4	<20.0	2.6 ± 1.0	<4.0
E09725	N09700	4-5	<29.0	3.0 ± 2.0	4.5 ± 2.0
E09725	N09700	5-6	<16.0	2.4 ± 1.0	<8.0
E09740	N09100	0-1	<40.0	6.0 ± 2.0	95.0 ± 10.0
E09740	N09100	1-2	<138.0	11.0 ± 4.0	353.0 ± 44.0
E09740	N09100	2-3	<50.0	<7.0	160.0 ± 16.0
E09740	N09100	3-4	<27.0	<2.0	16.0 ± 4.0
E09740	N09100	4-5	<23.0	<3.0	16.0 ± 2.0
E09740	N09100	5-6	<14.0	<3.0	<6.0
E09740	N09100	6-7	<18.0	<3.0	26.0 ± 5.0
E09740	N09100	7-8	<11.0	3.0 ± 1.0	<6.0
E09740	N09100	8-9	<18.0	3.0 ± 1.0	23.0 ± 6.0

TABLE 5-4
(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E09740	N09100	9-10	<10.0	<2.0	<4.0
E09800	N09485	0-1	<23.0	<5.0	<7.0
E09800	N09485	1-2	<21.0	3.5 ± 2.0	<10.0
E09800	N09485	2-3	<24.0	<4.0	<10.0
E09800	N09485	3-4	<22.0	2.5 ± 1.0	<7.0
E09800	N09485	4-5	<18.0	1.0 ± 0.5	<5.0
E09800	N09485	5-6	<20.0	<4.0	<7.0
E09800	N09485	6-7	<21.0	<3.0	2.1 ± 1.0
E09800	N09485	7-8	<18.0	<5.0	<5.0
E09800	N09930	0-1	<17.0	<4.0	<8.0
E09800	N09930	1-2	<27.0	<4.0	<10.0
E09800	N09930	2-3	<23.0	<4.0	5.0 ± 1.0
E09800	N09930	3-4	<24.0	<6.0	<9.0
E09800	N09930	4-5	<24.0	<5.0	10.0 ± 2.0
E09800	N09930	5-6	<19.0	1.0 ± 1.0	<5.0
E09800	N09930	6-7	<7.0	<2.0	<3.0
E09800	N09930	7-8	<20.0	<3.0	<5.0
E09800	N09930	8-9	<11.0	1.0 ± 1.0	<3.0
E09800	N09930	9-10	<28.0	<4.0	7.0 ± 2.0
E09900	N09200	0-1	<21.0	<4.0	7.0 ± 2.0
E09900	N09200	1-2	<24.0	2.0 ± 1.0	5.0 ± 2.0
E09900	N09200	2-3	<19.0	<4.0	<9.0
E09900	N09200	3-4	<16.0	2.0 ± 1.0	<6.0
E09900	N09200	4-5	<17.0	<17.0	3.0 ± 2.0
E09900	N09200	5-6	<19.0	<19.0	6.0 ± 2.0
E09900	N09200	6-7	<17.0	<17.0	3.0 ± 1.0
E09900	N09200	7-8	<15.0	<15.0	4.0 ± 1.0
E09930	N08980	0-1	<12.0	<3.0	4.0 ± 1.0
E09930	N08980	1-2	<15.0	<4.0	2.0 ± 2.0
E09930	N08980	2-3	<8.0	2.0 ± 1.0	<6.0
E09930	N08980	3-4	<8.0	1.0 ± 0.4	<4.0
E09930	N08980	4-5	<10.0	1.0 ± 1.0	2.0 ± 0.2
E09930	N08980	5-6	<9.0	2.0 ± 1.0	<5.0
E10005	N09420	0-1	<13.0	2.0 ± 1.0	4.0 ± 1.0
E10005	N09420	1-2	<15.0	4.0 ± 1.0	6.0 ± 1.0
E10005	N09420	2-3	<11.0	2.0 ± 1.0	<4.0
E10005	N09420	3-4	<10.0	1.0 ± 1.0	2.0 ± 1.0
E10005	N09420	4-5	<9.0	2.0 ± 1.0	2.0 ± 1.0
E10005	N09420	5-6	<10.0	2.0 ± 1.0	<3.0
E10005	N09420	6-7	<7.0	1.0 ± 0.2	2.0 ± 1.0
E10005	N09420	7-8	<10.0	1.0 ± 1.0	<4.0
E10030	N10000	0-4	45.0 ± 21.0	<8.0	22.0 ± 9.0
E10030	N10000	4-8	53.0 ± 17.0	<10.0	40.0 ± 7.0

TABLE 5-4

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E10035	N09135	0-1	<11.0	<6.0	3.0 ± 1.0
E10035	N09135	1-2	<16.0	4.0 ± 1.0	<8.0
E10035	N09135	2-3	<13.0	<3.0	<6.0
E10035	N09135	3-4	<14.0	2.0 ± 0.3	<7.0
E10035	N09135	4-5	<12.0	<2.0	<5.0
E10035	N09135	5-6	<18.0	4.0 ± 1.0	<5.0
E10035	N09135	7-8	<26.0	<3.0	24.0 ± 2.0
E10050	N09850	0-1	<52.0	9.0 ± 3.0	58.7 ± 11.0
E10050	N09850	1-2	<23.0	<5.0	3.6 ± 0.2
E10050	N09850	2-4	<95.0	69.0 ± 17.0	350.0 ± 39.0
E10050	N09850	4-5	<121.0	206.0 ± 20.0	275.0 ± 26.0
E10050	N09850	5-6	<238.0	326.0 ± 43.0	1317.0 ± 58.0
E10050	N09850	6-7	<24.0	<5.0	<8.0
E10050	N09850	7-8	70.0 ± 17.0	85.0 ± 16.0	106.0 ± 17.0
E10050	N09850	8-9	<22.0	6.0 ± 2.0	4.0 ± 2.0
E10050	N09850	9-10	<37.0	<9.0	<8.0
E10050	N09850	10-11	<62.0	46.0 ± 8.0	56.0 ± 6.0
E10050	N09850	11-12	<28.0	<6.0	5.0 ± 2.0
E10150	N09850	0-1	<163.0	290.0 ± 20.0	1600.0 ± 40.0
E10150	N09850	1-2	<178.0	447.0 ± 10.0	1616.0 ±102.0
E10150	N09850	2-3	<264.0	384.0 ± 38.0	1699.0 ±512.0
E10150	N09850	3-4	<68.0	128.0 ± 15.0	200.0 ± 20.0
E10150	N09850	4-5	<137.0	200.0 ± 24.0	335.0 ± 52.0
E10150	N09850	5-6	<131.0	336.0 ± 20.0	458.0 ±149.0
E10150	N09850	6-7	<163.0	53.0 ± 10.0	96.0 ± 30.0
E10150	N09850	7-8	<42.0	7.0 ± 2.0	<10.0
E10150	N09950	0-1	<85.0	<10.0	17.0 ± 7.0
E10150	N09950	1-2	<208.0	260.0 ± 28.0	1472.0 ±123.0
E10150	N09950	2-3	<218.0	235.0 ± 12.0	1691.0 ± 87.0
E10150	N09950	3-4	<233.0	217.0 ± 43.0	1374.0 ± 97.0
E10150	N09950	4-5	172.0 ± 54.0	30.0 ± 0.5	415.0 ± 28.0
E10150	N09950	5-6	86.0 ± 19.0	<5.0	13.0 ± 2.0
E10150	N09950	6-7	130.0 ± 43.0	9.1 ± 4.0	74.0 ± 11.0
E10150	N09950	7-8	304.0 ± 15.0	<5.0	<10.0
E10200	N09900	0-1	<35.0	7.0 ± 2.0	15.0 ± 4.0
E10200	N09900	1-2	<40.0	15.0 ± 3.0	95.0 ± 2.0
E10200	N09900	2-3	<47.0	8.8 ± 1.0	87.0 ± 11.0
E10200	N09900	3-4	<42.0	131.0 ± 52.0	479.0 ±114.0
E10200	N09900	4-5	<316.0	51.0 ± 14.0	39.0 ± 32.0
E10200	N09900	5-6	<50.0	50.0 ± 10.0	1454.0 ± 55.0
E10200	N09900	6-7	<50.0	5.5 ± 3.0	143.0 ± 12.0
E10200	N09900	7-8	67.0 ± 16.0	<6.0	22.0 ± 3.0
E10250	N09850	0-1	<180.0	40.0 ± 5.0	334.0 ± 55.0

TABLE 5-4

(continued)

Grid Coordinates E,W	Grid Coordinates N,S	Depth (ft)	Concentrations (pCi/g +/- 2 sigma)[a] Uranium-238	Radium-226	Thorium-232
E10250	N09850	1-2	<133.0	237.0 ± 12.0	504.0 ± 35.0
E10250	N09850	2-3	<30.0	30.0 ± 1.0	87.0 ± 8.0
E10250	N09850	3-4	<42.0	6.0 ± 2.0	15.0 ± 3.0
E10250	N09850	4-5	<74.0	57.0 ± 4.0	220.0 ± 18.0
E10250	N09850	5-6	<37.0	3.2 ± 1.0	25.0 ± 10.0
E10250	N09850	6-7	<76.0	23.0 ± 4.0	95.0 ± 11.0
E10250	N09850	7-8	<53.0	6.0 ± 4.0	44.0 ± 7.0
E10250	N09950	0-1	<46.0	6.0 ± 2.0	18.0 ± 4.0
E10250	N09950	1-2	<110.0	28.0 ± 13.0	637.0 ± 63.0
E10250	N09950	2-3	<218.0	<38.0	365.0 ± 43.0
E10250	N09950	3-4	<178.0	36.0 ± 11.0	508.0 ± 34.0
E10250	N09950	4-5	<136.0	8.0 ± 2.0	365.0 ± 23.0
E10250	N09950	5-6	<121.0	18.0 ± 8.0	461.0 ±123.0
E10250	N09950	6-7	<51.0	<12.0	143.0 ± 18.0
E10250	N09950	7-8	<62.0	<9.0	35.0 ± 10.0

[a] The low level of detectability was proportional to the quantity of the sample, the heterogeneity of the sample, moisture content, and counting geometry.

TABLE 5-5

RESULTS OF SAMPLES FORMING A CLUSTER OF APPARENT CHEMICAL CONTAMINATION AT THE MISS

Constituent	Locations/Concentrations (ppb) N9950, E10150	N9950, E10250	N10000, E10030
Naphthalene	-	-	7
Acenaphthylene	-	-	10
Acenaphthene	-	7	6
Dibenzofuran	-	7	5
Fluorene	-	-	8
Phenanthrene	21	8	180
Dibutylphthalate	-	25	6
Fluoranthene	32	160	340[a]
Pyrene	37	200	230
Butylbenylphthalate	-	14	300
Benzo (a) anthracene	18	87	150
Bis (2-ethylhexyl) phthalate	-	15	7
Chrysene	18	76	120
Benzo (b) fluoranthene	27	110	-
Benzo (k) fluroranthene	28	-	150
Benzo (a) pyrene	16	70	110
Indeno (1,2,3-cd) pyrene	13	50	73
Dibenz (a,h) anthracene	5	18	34
Benzo (g,h,i) perylene	10	41	85

*Fluoranthene was the only constituent to have a measurement above the laboratory's specified detection limit of 300 ppb. Because a measurement is less certain when it is below the specified detection limit, the other values in this table are the laboratory's closest approximation. The particular constituents given in this table were pointed out to show that contamination exists rather than to quantify them.

TABLE 5-6
SUMMARY OF PRIORITY POLLUTANT METALS ANALYSIS AT THE MISS

	Range of Sample Concentrations (ppm)	Maximum Metal Results of EP Toxicity Test/ EPA Standard (ppm)	Mean (Range) of Background* Concentrations (ppm)	Number of Results Greater Than Background Range - Concentration (ppm)	Sample Location
Arsenic	1.9 - 51	0.07/5	2 (1-50)	1 - 51	N9500, E9600
Barium	5 - 105	0.0171/100	500 (100-3000)	0	NA
Cadmium	<0.4 - 20	<0.02/1	0.06 (0.01-0.7)	16 - 1	N8980, E9930
				1	N9135, E10035
				1	N9200, E9900
				10	N9300, E9700
				<0.8	N9350, E9475
				2	N9400, E9615
				20	N9420, E10005
				0.8	N9485, E9800
				<0.8	N9500, E9600
				9	N9650, E9500
				<1	N9700, E9725
				15	N9755, E9270
				1	N9850, E10250
				6	N9930, E9800
				<7	N9950, E10250
				<1	N10000, E10030
Chromium	5 - 3920	<0.002/5	100 (5-3000)	1 - 3920	N9485, E9800

TABLE 5-6
(continued)

	Range of Sample Concentrations (ppm)	Maximum Metal Results of EP Toxicity Test/ EPA Standard (ppm)	Mean (Range) of Background* Concentrations (ppm)	Number of Results Greater Than Background Range - Concentration (ppm)	Sample Location
Lead	<1 - 790	0.112/5	10 (2-200)	4 - 677	N9420, E10005
				258	N9850, E10250
				260	N9950, E10150
				790	N9950, E10250
Mercury	<0.03 - 93	<0.001/.2	0.03 (0.01-3)	1 - 93	N9700, E9725
Selenium	<0.14 - 3	<0.003/1	(0.01-2)	1 - 3	N9485, E9800
Silver	<0.2 - <18	<0.02/5	0.1 (0.01-5)	1 - <18	N9950, E10250
Beryllium	<0.06 - 3	NA	6 (0.1-40)	0	NA
Copper	<1 - 167	NA	20 (2-100)	2 - 100	N9850, E10250
				167	N9950, E10250
Nickel	5 - <73	NA	40 (10-1000)	0	NA
Thallium	<5 - 744	NA	0.1	19 - <5	N8980, E9930
				12	N9100, E9740
				<6	N9135, E10035
				6	N9200, E9900
				<12	N9300, E9700
				12	N9350, E9475
				66	N9400, E9615
				644	N9420, E10005

TABLE 5-6
(continued)

	Range of Sample Concentrations (ppm)	Maximum Metal Results of EP Toxicity Test/ EPA Standard (ppm)	Mean (Range) of Background* Concentrations (ppm)	Number of Results Greater Than Background Range - Concentration (ppm)	Sample Location
				26	N9845, E9800
				199	N9500, E9600
				229	N9650, E9500
				<6	N9700, E9725
				6	N9755, E9270
				<6	N9850 E10250
				<5	N9910, E9600
				744	N9930, E9800
				<41	N9950, E10150
				<110	N9950, E10250
				<6	N10000, E10030
Zinc	16 - 304	NA	50 (10-300)	1 - 304	N9300, E9700
Antimony	<1 - 44	NA	(2-10)	8 - 18	N9300, E9700
				16	N9400, E9615
				44	N9485, E9800
				<12	N9650, E9500
				<12	N9700, E9725
				19	N9755, E9270
				41	N9930, E9800
				<110	N9950, E10250

*See Reference 10.

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APPENDIX A

GEOLOGIC DRILL LOGS FOR THE MISS AND ROUTE 17

APPENDIX A

GEOLOGIC DRILL LOGS FOR THE MISS AND ROUTE 17

BECHTEL

045933

GEOLOGIC DRILL LOG

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

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N8700 E9900	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
4-30-86	4-30-86	MORETRENCH ENVIRONMENTAL SERVICE	MOBILE B-40L	6 IN.	8.5	2.0	10.5 FT.

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	57.9 FT.	3/54.9 FT.	8.5/49.4 FT.

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

ELEVATION	DEPTH	GRAPHIC LOG	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
57.9				
57.4	0.5		0-0.5 FT SAND (SM-SC) MODERATE BROWN (5YR 4/2), VERY FINE GRAINED WITH SOME CLAYEY SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
			0.5 -8.5 FT SILT (ML) DUSKY BROWN (5YR) 2/2 SOFT, WITH SAND, CLAY AND GRAVEL MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
				▽ 4/30/86
	5.0			*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
49.4	8.5		8.5-10.5 FT SANDSTONE PALE BROWN (5YR 5/2) TO VERY DARK RED (5R 2/6), SOFT TO MODERATE HARDNESS, WITH FINE SILTY SAND AND ROCK FRAGMENTS, WEATHERED.	
	10.0			
47.4	10.5			
			BOTTOM OF HOLE AT 10.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.	AUGER REFUSAL DEPTH AT 10.5 FT.

Other column headings (no entries): 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); SAMPLE.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE	MISS-1R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: W501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-2R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9800 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 4-30-86	COMPLETED: 4-30-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0
ROCK (FT.): 5.0	TOTAL DEPTH: 13 FT.				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.9 FT.	DEPTH/EL. GROUND WATER: 5/54.9 FT.
DEPTH/EL. TOP OF ROCK: 8.0/51.9 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							59.9					
AUGER 6 IN.							59.4	0.5			0-0.5 FT. SAND (SC-SM) MODERATE BROWN (5YR 4/2) VERY FINE-GRAINED WITH SOME CLAYEY SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION
											0.5-8.0 FT. SILT (ML-CL) GRAYISH BROWN (5YR 3/2) TO DUSKY BROWN (5YR 2/2), WITH SOME CLAY AND GRAVEL.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
											2.0-4.0 GRADES TO CLAYEY SILT, WHITE (N9) TO VERY LIGHT GRAY (N8), VERY MOIST, PLASTIC, SOFT.	
								5.0			4.0-5.5 BLACK (N1) TO GRAYISH BLACK (N2), MOIST, LOOSE.	▽ 4/30/86
							51.9				8.0-13.0 FT. SANDSTONE DUSKY BROWN (5YR 2/2) TO BLACKISH RED (5YR 2/2), SILTY, SOFT TO MODERATE HARDNESS; WEATHERED.	
								10.0				• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS
							46.9	13.0				
											BOTTOM OF HOLE AT 13.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.	AUGER REFUSAL DEPTH AT 13.0FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-2R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-3R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9900 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 4-30-86	COMPLETED: 4-30-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 12.0	ROCK (FT.): 3.0	TOTAL DEPTH: 15 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 61.4 FT.	DEPTH/EL. GROUND WATER: 3/58.4 FT.	DEPTH/EL. TOP OF ROCK: 12.0/49.4 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE: LENGTH CORE RUN	SAMPLE RECOVERY: CORE RECOVERY	SAMPLE BLOWS /ft. PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							61.4					
							60.9	0.5			0-0.5 FT. SAND (SM-SC) MODERATE BROWN (5YR 4/2), VERY FINE-GRAINED WITH SOME SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION
											0.5-12.0 FT. SILT (ML) BROWNISH BLACK (5YR 2/1), SOFT, SANDY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												▽ 4/30/86
								5.0				
											5.0-12.0 FT. GRAYISH BLACK (N2) WITH SLIGHT SULFIDE ODOR.	
								10.0				
							49.4	12.0			12.0-15.0 FT. SANDSTONE BLACKISH RED (5R 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-3R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-3R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							46.4	15.0				
AUGER 6 IN.											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.	AUGER REFUSAL DEPTH AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-3R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-4R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9980 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 4-30-86	COMPLETED: 4-30-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 21.5
ROCK (FT.): 3.5	TOTAL DEPTH: 25.0 FT				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.2 FT	DEPTH/EL. GROUND WATER: 5/55.2 FT.
DEPTH/EL. TOP OF ROCK: 21.5/38.7 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							60.2 59.7	0.5			0-0.5 FT. SAND (SM-SC) GRAYISH BROWN (5YR 3/2), FINE-GRAINED, LOOSE, SILTY, WITH SOME GRAVEL. 0.5-21.5 FT. SILT (ML) DUSKY BROWN (5YB 2/2) TO BROWNISH BLACK (5YR 2/1), SOFT, SANDY , SLIGHTLY CLAYEY, MOIST 2.0-4.0 FT. WHITE (N9) TO VERY LIGHT GRAY (N8), VERY SOFT, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 4/30/86
								5.0				
								10.0				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-4R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-4R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.								15.0				
								20.0				
							38.7	21.5			21.5-25.0 FT. SANDSTONE VERY DUSKY RED (10R 2/2) TO VERY DARK RED (5R 2/6), SOFT TO MODERATE HARDNESS, SILTY, WET	
							35.2	25.0			BOTTOM OF HOLE AT 25.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.	AUGER REFUSAL NOT OBTAINED.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-4R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP				JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MSS-5R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9960 E9800				ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-1-86	COMPLETED: 5-1-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE		DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 17.5	ROCK (FT.): 3.5	TOTAL DEPTH: 21.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.1 FT.	DEPTH/EL. GROUND WATER: 5/55.1 FT.		DEPTH/EL. TOP OF ROCK: 17.5/42.6 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A		LOGGED BY: P.YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /ft. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							60.1					
							59.6	0.5			0-0.5 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2), SOFT, FINE-GRAINED, SILTY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-17.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2, 0.5-2.0 FT.) WHITE (N9, 2.0-3.0 FT.) GRAYISH BLACK (N2, 3.0-5.0 FT.) DUSKY BROWN (5YR 2/2, 5.0-17.5 FT.) SOFT TO MODERATE HARDNESS, SANDY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5/1/86
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MSS-5R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-5R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.								15.0				
							42.6	17.5			17.5-21.0 FT. SANDSTONE BLACKISH RED (5R 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED, WET.	
								20.0				
							39J	21.0			BOTTOM OF HOLE AT 21.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	AUGER REFUSAL DEPTH AT 21.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-5R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-6R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9990 E9995	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-1-86	5-1-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	10.5	5.0	15.5 FT

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	60.0 FT	5/55.0 FT	10.5/49.5 FT

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

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 IN							60.0	0			0-10.5 FT. SAND (SM-SC) GRAYISH BROWN (5YR 3/2), SOFT, VERY FINE-GRAINED, VERY SILTY, SLIGHTLY CLAYEY, WITH OCCASIONAL GRAVEL, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5/1/86
								10.0				
							49.5	10.5			10.5-15.5 FT. SANDSTONE, DUSKY BROWN (5YR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, SOME SILTY ZONES, WET.	* 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	MISS-6R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-6R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							44.5	15.0 15.5			BOTTOM OF HOLE AT 15.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	AUGER REFUSAL AT 15.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-6R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-7R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9900 E9995	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-+86	5-+86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	15.0	4.0	19.0 FT

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	60.9 FT	5/55.9 FT	15/45.9 FT

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							60.9	5.0			0-15.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2 0-0.5 FT), BLACK (N1, 0.5-3.0 FT), WHITE (N9, 3.0-4.5 FT), BLACKISH RED (5R 2/2, 4.5-15.0 FT), SOFT, VERY SILTY, FINE-GRAINED, MOIST. 0.5-3.0 FT OILY, BLACK (N1) LAYER.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/1/86
								10.0				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-7R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-7R

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS /ft / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							45.9	15.0				
											15.0-19.0 FT. SANDSTONE, BLACKISH RED (5YR 2/2), SOFT TO MODERATELY HARD, FINE-GRAINED, SLIGHTLY SILTY, WEATHERED, WET.	
							41.9	19.0				
											BOTTOM OF HOLE AT 19.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	AUGER REFUSAL AT 19.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-7R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-BR
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9800 E9995	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-1-86	COMPLETED: 5-1-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 11.0	ROCK (FT.): 4.5	TOTAL DEPTH: 15.5 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 58.8 FT.	DEPTH/EL. GROUND WATER: 2.5/56.3	DEPTH/EL. TOP OF ROCK: 11.0/47.8 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							58.8				0-11.0 FT. SAND (SC-SM) GRAYISH RED (10R 4/2, 0-1.0 FT.), DUSKY BROWN TO DARK GRAY (5YR 2/2-N3, 1.0-4.0 FT.) GRAYISH BROWN (5YR 3/2, 4.0-11.0 FT.) SOFT, FINE-GRAINED, VERY SILTY, MOIST. 1.0-3.0 ASH LAYER, VERY SOFT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. ▽ 5/1/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
								10.0				
							47.8	11.0			11.0-15.5 FT. SANDSTONE VERY DUSKY RED (10R 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, SILTY, WEATHERED, WET.	• DESCRIPTION CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-BR

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-8R

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /ft PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							43.3	15.0 15.5				
AUGER 6 IN.											BOTTOM OF HOLE AT 15.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	AUGER REFUSAL AT 15.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-8R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-9R						
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9700 E9995		ANGLE FROM HORIZ.: 90	BEARING: N/A					
BEGUN: 5-1-86	COMPLETED: 5-1-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 7.0	ROCK (FT.): 6.5	TOTAL DEPTH: 13.5 FT.		
CORE RECOVERY-FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 58.2 FT.	DEPTH/EL. GROUND WATER: 5/53.2 FT.	DEPTH/EL. TOP OF ROCK: 7.0/51.2 FT.			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN							

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							58.2				0-7.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2), SOFT, FINE TO MEDIUM-GRAINED SILTY, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0				EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												▽ 5/1/86
							51.2	7.0			7.0-13.5 FT. SANDSTONE VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, VERY FINE GRAINED, SILTY WEATHERED, MOIST TO WET.	
								10.0				• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							44.7	13.5			BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	
											BOTTOM OF HOLE AT 13.5 FT.	AUGER REFUSAL AT 13.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-9R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-10R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9700 E9800	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-2-86	COMPLETED: 5-2-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 9.0
ROCK (FT.): 2.5	TOTAL DEPTH: 11.5 FT.				
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 57.9 FT.	DEPTH/EL. GROUND WATER: 3.5/54.4 FT.
DEPTH/EL. TOP OF ROCK: 9.0/48.9					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							57.9				0-9.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 4/4,0-1.0 FT.) DUSKY BROWN (5YR 1/2,1.0-4.0 FT.) AND BROWNISH BLACK (5YR 2/1,4.0-11.5 FT.),SOFT,VERY SILTY SLIGHTLY CLAYEY,MOIST.	SITE CHECKED FOR RADIACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0				▽ 5/2/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							48.9	9.0			9.0-11.5 FT. SANDSTONE BLACKISH RED (5R 2/2,SOFT TO MODERATE HARDNESS, WEATHERED.	
								10.0				* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							46.4	11.5			BOTTOM OF HOLE AT 11.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/2/86.	AUGER REFUSAL AT 11.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-10R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-11R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9750 E9800	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-2-86	COMPLETED: 5-2-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 9.5	ROCK (FT.): 7.0	TOTAL DEPTH: 16.5 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 60.1 FT.	DEPTH/EL. GROUND WATER: 3.0/57.1 FT.	DEPTH/EL. TOP OF ROCK: 9.5/50.6 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							60.1					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0-1.0 FT. SAND (SM-SC) GRAYISH BROWN (5YR 3/2), LOOSE, VERY SILTY.	
							59.1	1.0			1.0-9.5 FT. SILT (ML) DARK REDDISH BROWN (10R 3/4, 1.0-6.0 FT.) DUSKY BROWN (5YR 2/2, 6-9.5 FT.), SOFT, VERY SANDY, SLIGHTLY CLAYEY, MOIST.	▽ 5/2/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							50.6	9.5			9.5-16.5 FT. SANDSTONE BLACKISH RED (5R 2/2), SOFT TO MODERATELY HARD, FINE-GRAINED, WEATHERED, WET.	• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								10.0				

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-11R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-11R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							43.6	15.2				
								16.5			BOTTOM OF HOLE AT 16.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/2/86.	AUGER REFUSAL AT 16.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-11R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-12R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9600 E9785	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5/2/86	COMPLETED: 5/2/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 13.0
ROCK (FT.): 2.5	TOTAL DEPTH: 15.5 FT				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 56.3 FT	DEPTH/EL. GROUND WATER: 4/52.3 FT
DEPTH/EL. TOP OF ROCK: 13/43.3 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							56.3	5.0			0-13.0 FT. SAND (SC-SM), DUSKY BROWN (5YR 2/2) TO MODERATE BROWN (5YR 3/4), SOFT TO MODERATE HARDNESS, VERY FINE-GRAINED, MODERATELY SILTY, SLIGHTLY CLAYEY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/2/86
								10.0				
							43.3	13.0			13.0-15.5 FT. SANDSTONE, DUSKY BROWN (5YR 2/2), SOFT TO MODERATELY HARD,	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; PA=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-12R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-12R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							40.8	15.0 15.5			FINE-GRAINED, WEATHERED, SLIGHTLY TO MODERATELY SILTY, WET.	
											BOTTOM OF HOLE AT 15.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT 5/2/86.	AUGER REFUSAL AT 15.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-12R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-13R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9945 E9700		ANGLE FROM HORIZ.: 90	BEARING: N/A	
BEGUN: 5-2-86	COMPLETED: 5-2-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 12.0
ROCK (FT.): 4.5	TOTAL DEPTH: 16.5 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.0	DEPTH/EL. GROUND WATER: 5.5/53.5 FT.
DEPTH/EL. TOP OF ROCK: 12.0/47.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							59.0	5.0			0-12.0 FT. SAND (SC-SM) DUSKY RED (5R 3/4,0-1.0 FT.), WHITE TO GRAYISH PINK (N9-5R 8/2,1.0-2.0 FT.), BLACK TO GRAYISH BLACK (N1-N2,2.0-12.0 FT.), SOFT, VERY FINE-GRAINED, VERY SILTY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/2/86
								10.0				
							47.0	12.0			12.0-16.5 FT. SANDSTONE BLACKISH RED (5R 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED, WET.	• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-13R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-13R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							42.5	15.0				
								16.5			BOTTOM OF HOLE AT 16.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/2/86.	AUGER REFUSAL AT 16.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-13R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-14R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9875 E9500		ANGLE FROM HORIZ.: 90	BEARING: N/A	
BEGUN: 5-2-86	COMPLETED: 5-2-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 17.0
ROCK (FT.): LO	TOTAL DEPTH: 18.0 FT.				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 54.0	DEPTH/EL. GROUND WATER: 12/42.0 FT.
DEPTH/EL. TOP OF ROCK: 17/37.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							54.0	5.0			0-17.0 FT. SAND (SC-SM) DUSKY RED (5R 3/4,0-1.0 FT.) WHITE (N9,1.0-2.0 FT.) GRAYISH BROWN 5YR 3/2,2.0-17.0 FT.),SOFT TO MODERATE HARDNESS, VERY SILTY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10.0				

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

▽ 5/2/86

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-14R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-14R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.								15.0				
							37.0	17.0			17.0-18.0 FT. SANDSTONE BLACKISH RED (5R 2/2) SOFT TO MODERATE HARDNESS, VERY FINE GRAINED, SILTY, WEATHERED, WET.	
							36.0	18.0			BOTTOM OF HOLE AT 18.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/2/86.	AUGER REFUSAL AT 18.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-14R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-15R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9845 E9400	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-2-86	5-2-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	15.0	5.0	21.0 FT

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	53.0 FT	12/41.0 FT	16.0/37.0 FT

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							53.0	5.0 10.0			0-16.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2 0-2.5 FT), DUSKY BROWN (5YR2/2 2.5-16.0 FT), SOFT, VERY FINE-GRAINED, VERY SILTY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/2/86 *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

S=SPLIT SPOON; T=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-15R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-15R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN								15.0				
								16.0			16.0-21.0 FT. SANDSTONE, BLACKISH RED (5R 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, MODERATELY SILTY, WEATHERED, WET.	
							32.0	20.0				
								21.0			BOTTOM OF HOLE AT 21.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/2/86.	AUGER REFUSAL AT 21.0 FT.

SS=SPLIT SPOON, ST=SHELBY TUBE, D=DENNISON, P=PITCHER, O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-15R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-16R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9500 E9700	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-5-86	5-5-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	11.0	3.0	14.0 FT.

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	53.0 FT.	12.0/41.0 FT.	11.0/42.0 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /6" OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							53.0					
							52.5	0.5			0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), WITH RESIDUAL ORGANIC DETRITUS, ROOTS.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-11.0 FT. SAND (SC-SM) GRAYISH BLACK (N2, 0.5-1.5 FT.) GRAYISH BROWN (5YR 3/2, 1.5-2.5 FT.) DARK GREENISH GRAY (5G4/1, 2.5-4.5 FT.) BROWNISH BLACK (5YR 2/1, 4.5-11.0 FT.) FINE-GRAINED, MOIST TO DAMP, WITH SILTY, CLAYEY LAYERS FROM 2.5-11.0 FT. 0.5-1.5 FT. BLACKISH OILY MATERIAL. 2.5-4.5 FT. RESIDUAL COWHIDES.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
								10.0				
							42.0	11.0			11.0-14.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY TO HIGHLY WEATHERED TO 14.0 FT., WET.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
												▽ 5/5/86
											BOTTOM OF HOLE AT 14.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 14.0 FT.
							39.0	14.0				

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-16R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-17R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9495 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0	ROCK (FT.): 2.0	TOTAL DEPTH: 7.0 FT.
CORE RECOVERY/FT./%	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 54.9 FT.	DEPTH/EL. GROUND WATER: 2.5/52.4 FT.	DEPTH/EL. TOP OF ROCK: 5.0/49.9 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" or PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							54.9					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							54.4	0.5			0-0.5 FT. SILT (ML) DUSKY BROWN (5YR 2/2), RESIDUAL SOIL.	
											0.5-5.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2) FINE-GRAINED, VERY SILTY, MOIST.	▽ 5/5/86
												EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							49.9	5.0			5.0-7.0 FT. SANDSTONE VERY DARK RED (5R 2/6) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, WET.	
							47.9	7.0				
											BOTTOM OF HOLE AT 7.0 FT.	AUGER REFUSAL AT 7.0 FT.
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	
												*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-17R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-18R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9400 E9900		ANGLE FROM HORIZ.: 90	BEARING: N/A	
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0
ROCK (FT.): 4.0	TOTAL DEPTH: 9.0 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 56.0 FT.	DEPTH/EL. GROUND WATER: 7.0/49.0
DEPTH/EL. TOP OF ROCK: 5.0/51.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							56.0				0-5.0 FT. SAND DUSKY BROWN (5YR 2/2, 0-0.5 FT.) GREENISH GRAY (5G 6/1), 0.5-1.5 FT.) GRAYISH BROWN (5YR 3/2, 1.5-5.0 FT.) FINE-GRAINED, SILTY, MOIST. 0.5-1.5 RESIDUAL COBBLES.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							51.0	5.0			5.0-9.0 FT. SANDSTONE DUSKY RED (5R 3/4) TO VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SILTY.	▽ 5/5/86
							47.0	9.0			BOTTOM OF HOLE AT 9.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 9.0 FT.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-18R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-19R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9310 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0	ROCK (FT.): 5.0	TOTAL DEPTH: 10.0 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 54.8 FT.	DEPTH/EL. GROUND WATER: 4.0/50.8 FT.	DEPTH/EL. TOP OF ROCK: 5.0/49.8 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							54.8				0-5.0 FT. SAND (SC-SM) BROWNISH GRAY (5YR 4/1) TO DARK GREENISH GRAY (5GY 4/1), FINE-GRAINED, WITH SILTY AND CLAYEY ZONES, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/5/86
							49.8	5.0			5.0-10.0 FT. SANDSTONE DUSKY RED (5R-10.0) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, WET.	
							44.8	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 10.0 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-19R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-20R				
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9310 E10,000			ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0	ROCK (FT.): 0.5	TOTAL DEPTH: 7.5 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 54.9 FT.	DEPTH/EL. GROUND WATER: 3.0/51.9 FT.	DEPTH/EL. TOP OF ROCK: 7.0/47.9 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							54.9				0-7.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4), FINE TO MEDIUM-GRAINED, MODERATELY SILTY, MOIST. 0-2.0 FT. RUBBLE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. ▽ 5/5/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								6.0				
							57.9	7.0			7.0-7.5 FT. SANDSTONE DUSKY RED (5R 3/4) MODERATELY HARD, FINE GRAINED SLIGHTLY WEATHERED, WET.	
							47.4	7.5			BOTTOM OF HOLE AT 7.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 7.5 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-20R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-21R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9200 E10,015	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0
ROCK (FT.): 3.0	TOTAL DEPTH: 10.0 FT.				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 55.0 FT.	DEPTH/EL. GROUND WATER: 6.0/49.0 FT.
DEPTH/EL. TOP OF ROCK: 7.0/48.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							55.0				0-7.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2) TO DUSKY BROWN (5YR 2/2), FINE TO MEDIUM-GRAINED, VERY SILTY, DAMP TO WET.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/5/86
								6.0				
							78.0	7.0			7.0-10.0 FT. SANDSTONE DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY SILTY, WEATHERED, WET.	
							45.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 10.0 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-21R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-22R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9300 E9800	ANGLE FROM HORIZ.: 90	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-5-86	5-5-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	7.0	8.0	15 FT.

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	54.1 FT.	4.0/50.1 FT.	7.0/47.1 FT.

SAMPLER HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	P. YEN

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /ft PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							54.1				0-7.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0-3.0 FT.) GRAYISH BROWN (5YR 3/2, 3.0-7.0 FT.) FINE-GRAINED, VERY SILTY AND CLAYEY, DAMP TO WET.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/5/86
								6.0				
							47.1	7.0			7.0-15.0 FT. SANDSTONE DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SLIGHTLY SILTY MODERATELY WEATHERED, WET.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-22R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-22R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							39.1	15.0				
AUGER 6 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER RESISTANCE AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-22R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-23R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9400 E9800		ANGLE FROM HORIZ.: 90	BEARING: N/A	
BEGUN: 5-5-86	COMPLETED: 5-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0
ROCK (FT.): 7.5	TOTAL DEPTH: 14.5 FT.				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 57.1 FT.	DEPTH/EL. GROUND WATER: 10.0/47.1 FT.
DEPTH/EL. TOP OF ROCK: 7.0/50.1 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							57.1					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
											0-3.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), SANDY, MOIST, WITH RESIDUAL ORGANIC DETRITUS, ROOTS, AND SLOPEWASH.	
							53.6	3.5			3.5-7.0 FT. SAND (SC-SM) BROWNISH BLACK (5YR 2/1) TO BLACK (N1). FINE TO MEDIUM-GRAINED, VERY SILTY, MOIST. 4.0-7.0 FT BLACK OILY SUBSTANCE.	
								5.0				
							50.1	7.0			7.0-14.5 FT. SANDSTONE DUSKY RED (5R 3/4) TO BLACKISH RED (5R 2/2). SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, SLIGHTLY SILTY, MODERATELY WEATHERED, WET.	
								10.0				5/5/86

*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

HOLE NO.: MISS-23R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-23R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							42.6	14.5				
AUGER 6 INCH											BOTTOM OF HOLE AT 14.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 14.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-23R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-24R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9600 E9900	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-5-86	5-5-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	10.0	6.0	16.0 FT.

CORE RECOVERY(FT.)/ID	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	58.5 FT.	7.0/51.5 FT.	10.0/48.5 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /F, PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							58.5					
							58.0	0.5			0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL, ROOTS, SLOPEWASH.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-10.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0.5-8.0 FT.) GRAYISH BLACK TO BLACK (N2-N), 8.0-10.0 FT.) FINE-GRAINED, SILTY, DAMP TO WET. 0.5-8.0 FT. TRACE AMOUNTS OF GRAVEL, WITH BLACK SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5/5/86
							48.5	10.0			10.0-16.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SLIGHTLY SILTY MODERATELY WEATHERED, WET.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-24R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-24R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							42.5	15.0 16.0			BOTTOM OF HOLE AT 16.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	AUGER REFUSAL AT 16.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-24R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-25R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9610 E9995	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-6-86	COMPLETED: 5-6-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 2.0	ROCK (FT.): 4.0	TOTAL DEPTH: 6.0 FT.
CORE RECOVERY(FT.)/%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 58.9 FT.	DEPTH/EL. GROUND WATER: N/A	DEPTH/EL. TOP OF ROCK: 2.0/56.9 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							58.9				0.0-2.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4) TO GRAYISH BROWN (5YR 3/2), FINE TO MEDIUM-GRAINED, SILTY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							56.9	2.0			2.0-6.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, SLIGHTLY SILTY MODERATELY WEATHERED, WET.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							52.9	6.0			BOTTOM OF HOLE AT 6.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER RESISTANCE AT 6.0 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; PA=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-25R

045933

GEOLOGIC DRILL LOG

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

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9480 E9995	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-6-86	5-6-86	MORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	7.0	L5	8.5 FT

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	56.0 FT	2.5/53.5 FT	7.0/4.9 FT

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							56.0				0-7.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4, 0-0.5 FT), BLACK TO GRAYISH BLACK (N1-N2, 0.5-5.0 FT), GRAYISH BROWN (5YR 3:2, 5.0-7.0 FT), FINE TO MEDIUM-GRAINED, VERY SILTY, WET. 0.5-5.0 FT. WITH BLACK OILY SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. ▽ 5/6/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							49.0	7.0			7.0-8.5 FT. SANDSTONE, VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, WEATHERED, WET.	
							47.5	8.5			BOTTOM OF HOLE AT 8.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER REFUSAL AT 8.5 FT. *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

HOLE NO.: MISS-26R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-27R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9520 E9490	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-6-86	COMPLETED: 5-6-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.5	ROCK (FT.): 3.5	TOTAL DEPTH: 9.0 FT
CORE RECOVERY/FT./%: N/A	CORE BARREL: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 51.5 FT	DEPTH/EL. GROUND WATER: 2.0/49.5 FT	DEPTH/EL. TOP OF ROCK: 5.5/46.0 FT	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							51.5				0-5.5 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2, 0-0.5 FT), DUSKY BROWN (5YR 2/2, 0.5-5.5 FT), FINE-GRAINED, IN A SILTY AND CLAYEY MATRIX, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION ▽ 5/6/86
								5.0				EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING
							46.0	5.5			5.5-9.0 FT. SANDSTONE, MODERATE REDDISH-BROWN(10R 4/4) LOW TO MEDIUM PLASTICITY WITH SOME VERY FINE SAND, SATURATED, WEATHERED.	
							42.5	9.0			BOTTOM OF HOLE AT 9.0 FT.	AUGER REFUSAL AT 9.0 FT.
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-27R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 2	MISS-20R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9790 E9300	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-6-86	5-6-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	10.0	10.5	20.5 FT

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	58.0 FT	18.0/40.0 FT	10.0/48.0 FT

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

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN	58.0	0	0-10.0 FT SAND(SC-SM) PALE BROWN (5YR 5/2, 0-4.5 FT), LIGHT BROWNISH GRAY (5YR 7/1, 4.5-6.0 FT), VERY LIGHT GRAY (N8, 6.0-7.0 FT), PALE YELLOWISH BROWN (10YR 6/2, 7.0-8.0 FT), BROWNISH BLACK SPECKLED WITH WHITE (5YR 2/1, N9, 8.0-10.0 FT), FINE-GRAINED IN A SILTY MATRIX, DAMP, STRATIFIED. 2.0-2.5 FT. SANDSTONE BOULDER.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
		5.0		
	48.0	10.0	10.0-20.5 FT. SANDSTONE, GRAYISH RED (5R 4/2) TO DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, MEDIUM TO FINE-GRAINED, WEATHERED, SATURATED BELOW 18.0 FT.	*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	MISS-20R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-28R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 1/8								15.0				5/6/86
							37.5	20.0 20.5			BOTTOM OF HOLE AT 20.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER REFUSAL AT 20.5 FT.

SS=SPLIT SPOON, ST=SHELBY TUBE, D=DENNISON, P=PITCHER, O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-28R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-29R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9950 E10040	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-6-86	COMPLETED: 5-6-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 15.5
ROCK (FT.): 2.5	TOTAL DEPTH: 18.0 FT				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 58.0 FT	DEPTH/EL. GROUND WATER: 8.0/50.0 FT
DEPTH/EL. TOP OF ROCK: 15.5/42.5 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS TO PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							58.0	0.5			0-0.5 FT. SILT (ML) PALE BROWN (5YR 5/3) RESIDUAL SOIL, ROOTS.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0			0.5-15.5 FT. SAND (SM-SC) DUSKY BROWN (5YR 2/2, 0.5-2.0 FT) LIGHT GRAY (N8, 2.0-8.0 FT) LIGHT BROWNISH GRAY (5YR 7/1, 8.0-15.5 FT) FINE-GRAINED IN A SILTY CLAYEY MATRIX, LAYERS OF VISCOUS OOZE (2.0-9.0 FT) DAMP.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10.0				▽ 5/6/86

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-29R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-29R

SAMPLE TYPE AND DIAMETER	BARRELL ADVANCED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN								15.5				
							42.5	15.5			15.5-18.0 FT SANDSTONE, BLACKISH RED (5R 2/2) TO DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, MODERATELY WEATHERED, SATURATED.	
							40.0	18.0			BOTTOM OF HOLE AT 18.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER REFUSAL AT 18.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE | HOLE NO. MISS-29R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-30R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9905 E10040	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-6-86	COMPLETED: 5-6-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 13.0
ROCK (FT.): 2.0	TOTAL DEPTH: 15.0 FT				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.5 FT	DEPTH/EL. GROUND WATER: 8.0/52.5 FT
DEPTH/EL. TOP OF ROCK: 13.0/47.5 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /6" OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							60.5					
AUGER 6 IN							60.0	0.5			0-0.5 FT. SILT (ML) PALE BROWN (5YR 5/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-13.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0.5-3.0 FT) GRAYISH BROWN (5YR 3/2, 3.0-13.0 FT) FINE-GRAINED, WITH SILTY LAYERS, IN A SILT AND CLAY MATRIX.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
												▽ 5/6/86
								10.0				
							47.5	13.0			13.0-15.0 SANDSTONE, DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, POORLY TO WELL CEMENTED,	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-30R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-30R

SAMPLE TYPE AND DIAMETER	BARRELER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS "N" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							45.5	15.0			WEATHERED.	
AUGER 6 IN											BOTTOM OF HOLE AT 15.0 FT. BACKFILL WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER REFUSAL AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-30R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-31R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9800 E10050	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-6-86	COMPLETED: 5-6-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 12.0	ROCK (FT.): 2.0	TOTAL DEPTH: 14.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 58.5 FT	DEPTH/EL. GROUND WATER: 4.0/54.5 FT	DEPTH/EL. TOP OF ROCK: 12/46.5 FT
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN				

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							58.5					
AUGER 6 IN							58.0	0.5			0-0.5 FT. ASPHALT PAVING AND SILT (ML)	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-12.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2) TO BLACK (N1), FINE-GRAINED IN A SILTY AND CLAYEY MATRIX.	
											6.0-12.0 FT. CONTAINS MODERATE REDDISH ORANGE (10R 6/6) CLAY LAYERS.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												▽ 5/6/86
								5.0				
								10.0				
							46.5	12.0			12.0-14.0 FT SANDSTONE, BLACKISH RED (5R 2/2), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
											BACKFILLED WITH CEMENT BENTONITE GROUT, 5/6/86.	
							44.5	14.0			BOTTOM OF HOLE AT 14.0 FT.	

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; PP=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-31R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-32R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9950 E10100	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-7-86	5-7-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	10.0	5.0	15.0 FT

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	60.0 FT	10.0/50.0 FT	10.0/50.0 FT

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURNS, CHARACTER OF DRILLING, ETC.
							60.0					
AUGER 6 IN							59.0	1.0			0-1.0 FT. ASPHALT PAVING AND CRUSHED ROCK BASE COURSE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											1.0-10.0 FT. SAND (SC-SM), DUSKY YELLOWISH BROWN (10YR 2/2, 1.0-2.0 FT), WHITE (N9, 2.0-3.5 FT), MODERATE BROWN (5YR 4/4, 3.5-10.0 FT), CLAYEY MATRIX, DAMP TO MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
											3.5-10.0 FT. VERY SLIGHTLY SILTY.	
								5.0				
												▽ 5/7/86
							50.0	10.0			10.0-15.0 FT. SANDSTONE, BLACKISH RED (5R 2/2) TO VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE	MISS-32R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-32R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							45.0	15.0				
AUGER 6 IN											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER REFUSAL AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-32R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-33R				
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9990 E10100			ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-7-86	COMPLETED: 5-7-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 10.0	ROCK (FT.): 4.0	TOTAL DEPTH: 14.0 FT
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT	DEPTH/EL. GROUND WATER: 10.0/50.0 FT		DEPTH/EL. TOP OF ROCK: 10.0/50.0 FT
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							60.0				0-10.0 FT. SAND (SC-SM) PALE BROWN (5YR 5/2, 0-2.0 FT) WHITE TO VERY PALE ORANGE (N9-10YR 8/2, 2.0-4.0 FT) MODERATE BROWN (5YR 3/4, 4.0-10.0 FT) FINE-GRAINED WITH SILTY AND CLAYEY MATRIX, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0			2.0-4.0 FT. VISCOUS OOZE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							50.0	10.0			10.0-14.0 FT. SANDSTONE, BLACKISH RED (5R 2/2) TO VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, MODERATELY WEATHERED, SATURATED.	▽ 5/7/86 DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							46.0	14.0			BOTTOM OF HOLE AT 14.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER REFUSAL AT 14.0 FT.

SS=SPLIT SPOON; ST=SHELBY TUBE; OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-33R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 1	MISS-34R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9900 E10100	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-7-86	5-7-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	8.0	2.5	10.5 FT

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	60.0 FT	8.0/52.0 FT	8.0/52.0 FT

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE: LENGTH CORE RUN	SAMPLE RECOVERY: CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							60.0				0-2.0 FT. ASPHALT PAVING AND CRUSHED ROCK BASE COURSE	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								2.0			2.0-8.0 FT. SAND (SC-SM) WHITE (N9, 2.0-4.0 FT) PALE YELLOWISH BROWN (10YR 6/2, 4.0-8.0 FT) FINE TO MEDIUM-GRAINED IN A SILTY-CLAYEY MATRIX. 2.0-4.0 FT. VISCOUS OOZE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							52.0	8.0			8.0-10.5 FT. SANDSTONE, BLACKISH RED (5R 2/2) TO DUSKY BROWN (5YR 2/2), SOFT TO MODERATE HARDNESS, FINE TO MEDIUM-GRAINED, WEATHERED, SATURATED.	▽ 5/7/86
								10.				
							49.5	10.5			BOTTOM OF HOLE AT 10.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER RESISTANCE AT 10.5 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; [illegible]; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-34R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-35R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9850 E10100	ANGLE FROM HORIZ. 90	BEARING N/A
BEGUN 5-7-86	COMPLETED 5-7-86	DRILLER MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL MOBILE B-40L	HOLE SIZE 6 IN	OVERBURDEN (FT.) 8.0	ROCK (FT.) 2.5	TOTAL DEPTH 10.5 FT
CORE RECOVERY (FT./%) N/A	CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 60.0 FT	DEPTH/EL. GROUND WATER 8.0/52.0 FT	DEPTH/EL. TOP OF ROCK 8.0/52.0 FT
SAMPLE HAMMER WEIGHT/FALL N/A	CASING LEFT IN HOLE: DIA./LENGTH N/A	LOGGED BY: P. YEN				

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 IN							60.0				0-1.0 FT. ASPHALT PAVING AND CRUSHED ROCK BASE COURSE	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								1.0			1.0-8.0 FT. SAND (SC-SM) VERY PALE ORANGE (10YR 8/2, 1.0-3.0 FT) PALE BROWN (5YR 5/2, 3.0-8.0 FT), FINE-GRAINED IN A SILTY AND CLAYEY MATRIX, MOIST TO DAMP.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							52.0	8.0			8.0-10.5 FT. SANDSTONE, DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	▽ 5/7/86
							49.5	10.0 10.5			BOTTOM OF HOLE AT 10.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER REFUSAL AT 10.5 FT.

*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

HOLE NO. MISS-35R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-36R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9900 E10150	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-7-86	COMPLETED: 5-7-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 5.0	ROCK (FT.): 5.0	TOTAL DEPTH: 10.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 8.0/52.0 FT.	DEPTH/EL. TOP OF ROCK: 5.0/55.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							60.0				0 -2.0 FT. SILT (ML) PALE BROWN (5YR 5/2) RESIDUAL SOIL, ROOTS, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							58.0	2.0			2.0-5.0 FT. SAND (SC-SM) PALE YELLOWISH BROWN (10YR 6/2) FINE-GRAINED WITH A SILTY AND CLAYEY MATRIX.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							55.0	5.0			5.0-10.0 FT. SANDSTONE DARK REDDISH BROWN (10R 3/4) SOFT TO MODERATE HARD, FINE TO MEDIUM GRAINED, WEATHERED SATURATED, SOFT, RUBBLE.	▽ 5/7/86
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER REFUSAL AT 10.0 FT. • DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-36R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-37R			
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9985 E10,200		MILES FROM HOREL: 90	BEARING: N/A		
BEGUN: 5-8-86	COMPLETED: 5-8-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN.	OVERBURDEN (FT.): 10.0	ROCK (FT.): 3.5	TOTAL DEPTH: 13.5 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 8.0/52.0 FT.	DEPTH/EL. TOP OF ROCK: 10.0/50.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RESISTANCE/ CORE RECOVERY	SAMPLE BLOWS/ PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							60.0					
							59.5	0.5			0-0.5 FT. SILT (ML) PALE BROWN (5YR 5/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-10.0FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2,0.5-2.0 FT.) DUSKY BROWN (5YR 2/2,2.0-10.0 FT.) FINE-GRAINED WITH SILTY CLAYEY MATRIX.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							50.0	10.0			10.0-13.5 FT. SANDSTONE DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY WEATHERED, MOIST.	• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							46.5	13.5			BACKFILLED WITH CEMENT-BENTONITE GROUT. 5/8/86.	
											BOTTOM OF HOLE AT 13.5 FT.	AUGER REFUSAL AT 13.5 FT.

SS=SPLIT SPOON; ST=SHELBY TUBE; [illegible]; PP=POCKET PEN; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-37R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 1	MISS-38R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9985 E10,300	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-8-86	5-8-86	MORETRENCH ENVIRONMENTAL SERVICE	MOBILE B-40L	6 IN.	3.0	4.5	7.5 FT.

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	60.0 FT.	5.0/55.0	3.0/57.0 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS W/ PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN.							60.0				0-1.0 FT. SILT (ML) BLACKISH RED (5R 2/2) FINE GRAINED, SANDY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							59.0	1.0			1.0-3.0 FT. SAND (SC-SM) PALE BROWN (5YR 5/2) FINE GRAINED WITH A SILTY TO CLAYEY MATRIX, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							57.0	3.0			3.0-7.5 FT. SANDSTONE VERY DARK RED (5R 2/5), SOFT TO MODERATELY HARD, WEATHERED, WET AT BOTTOM.	▽ 5/8/86
								5.0				
							52.5	7.5			BOTTOM OF HOLE AT 7.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	AUGER REFUSAL AT 7.5 FT.

* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-38R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-39R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9900 E10,315	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/8/86	COMPLETED: 5/8/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 2.0	TOTAL DEPTH: 10.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 7.0/53.0 FT.	DEPTH/EL. TOP OF ROCK: 8.0/52.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							60.0				0-8.0 FT. SAND (SC-SM) VERY DARK RED (5R 2/6,0-0.5 FT.) DUSKY BROWN (5YR 2/2,0.5-2.0 FT.) VERY DARK RED (5R 2/6,2.0-3.0 FT.) GRAYISH BROWN (5YR 3/2,3.0-5.0 FT.) PALE BROWN (5YR 5/2,5.0-8.0 FT.) FINE-GRAINED, WITH SILTY AND CLAYEY MATRIX,DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5/8/86
							52.0	8.0			8.0-10.0 FT. SANDSTONE VERY DARK RED (5R 2/6),SOFT TO MODERATELY HARD, FINE-GRAINED,SILTY,MODERATLY WEATHERED SATURATED.	
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	AUGER REFUSAL AT 10.0 FT.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-39R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-40R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9805 E10,295	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/8/86	COMPLETED: 5/8/86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0	ROCK (FT.): 1.5	TOTAL DEPTH: 6.5 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.0 FT.	DEPTH/EL. GROUND WATER: 5.0/54.0 FT.	DEPTH/EL. TOP OF ROCK: 5.0/54.0 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.
							59.0					
AUGER 6 IN											0-0.5 FT. SILT (ML) PALE BROWN (5YR 5/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-5.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4) FINE-GRAINED, WITH SILTY MATRIX, CONTAINS RUBBLE, BRICKS.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5/8/86
							52.5	6.5			5.0-6.5 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	
											BOTTOM OF HOLE AT 6.5 FT.	AUGER REFUSAL AT 6.5 FT.
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	
												*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DRIVE/DRIVEN; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-40R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-41R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9810 E10,200	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5/8/86	5/8/86	MORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	11.0	4.0	15.0 FT.

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	59.0	6.0/53.0 FT.	11.0/48.0 FT.

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE; DIA./LENGTH	LOGGED BY:
N/A	N/A	P. YEN

SAMPLE TYPE AND NUMBER	SAMPLER ADVANCED, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							59.0				0-11.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0-2.0 FT.) BLACK TO LIGHT GRAY (N1-N7, 2.0-6.0 FT.) MODERATE BROWN (5YR 3/4, 6.0-8.0 FT.) PALE YELLOWISH BROWN (10YR 6/2, 8.0-11.0 FT.) FINE-GRAINED, IN A SILTY AND CLAYEY MATRIX, DAMP. 2.0-6.0 FT. WITH ASH. 8.0-11.0 FT. VERY SLIGHTLY SILTY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/8/86
								5.0				
								10.0				
							48.0	11.0			11.0-15.0 FT. SANDSTONE VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY, MODERATELY WEATHERED, SATURATED.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-41R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-41R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							44.0	15.0				
AUGER 6 IN.											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	AUGER REFUSAL AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-41R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-42R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9800 E10,100	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-8-86	COMPLETED: 5-8-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 3.5	TOTAL DEPTH: 11.5 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 59.0 FT.	DEPTH/EL. GROUND WATER: 2.0/57.0 FT.	DEPTH/EL. TOP OF ROCK: 8.0/51.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /ft. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							59.0				0-2.0 FT. ASPHALT PAVING AND CRUSHED ROCK BASE COURSE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 5/8/86
							57.0	2.0			2.0-8.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 2.0-3.0 FT.) BROWNISH BLACK (5YR 2/1, 3.0-6.0 FT.) GRAYISH BLACK (N2, 6.0-8.0 FT.) FINE GRAINED, IN A SILTY AND CLAYEY MATRIX, SATURATED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							51.0	8.0			8.0-11.5 FT. SANDSTONE VERY DARK RED (5R 2/6) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	
							47.5	11.5			BOTTOM OF HOLE AT 11.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT.	AUGER REFUSAL AT 11.5 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-42R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-43R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9185 E9700	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-9-86	5-9-86	MORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	19.5 FT.	0 FT.	19.5 FT.

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	53.5 FT.	19.0/34.5 FT.	N/A

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							53.5	5.0 10.0			0-19.5 FT. SAND (SC-SM) MEDIUM LIGHT GRAY (N6, 0-1.5 FT.), VERY LIGHT GRAY TO WHITE (N8-N9, 1.5-8.0 FT.) GRAYISH BLACK (N2, 8.0-19.5 FT.) FINE-GRAINED, WITH SILTY AND CLAYEY MATRIX, DAMP TO SATURATED. 0-1.5 FT. WITH ASH. 1.5-8.0 FT. WITH PLASTIC OOZE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-43R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-43R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH								15.0				
							34.0	19.5			BOTTOM OF HOLE AT 19.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/9/86.	▽ 5/9/86 AUGER REFUSAL AT 19.5 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-43R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-44R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9120 E9890	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-9-86	COMPLETED: 5-9-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 0.5 FT.
ROCK (FT.): 9.5 FT.	TOTAL DEPTH: 10.0 FT.				
CORE RECOVERY(FT.)/TD: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 53.0 FT.	DEPTH/EL. GROUND WATER: 10.0/43.0 FT.
DEPTH/EL. TOP OF ROCK: 0.5/52.5 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							53.0					
							52.5	0.5			0-0.5 FT. SILT (ML) DUSKY BROWN (5YR 2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-10.0 FT. SANDSTONE VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, MODERATELY WEATHERED, DAMP TO SATURATED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							43.0	10.0				▽ 5/9/86
											BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/9/86.	AUGER REFUSAL AT 10.0 FT.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SITE: MAYWOOD INTERIM STORAGE SITE — HOLE NO.: MISS-44R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-45C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N10,000 E10,030	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-12-86	COMPLETED: 5-12-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0
ROCK (FT.): 2.0	TOTAL DEPTH: 10.0 FT.				
CORE RECOVERY FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 9.0/51.0 FT.
DEPTH/EL. TOP OF ROCK: 8.0/52.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 6 INCH AUGER	24"	N/A	N/A				60.0			1	0-8.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0-2.0 FT.) PALE BROWN (5YR 5/2, 2.0-3.0 FT.) VERY PALE ORANGE (10YR 8/4, 3.0-5.0 FT.), GRAYISH BROWN (5YR 3/2, 5.0-8.0 FT.) FINE-GRAINED, SILTY, MOIST. 0-2.0 FT. WITH BRICK AND RUBBLE. 3.0-5.0 FT. WITH THIN LAYERS OF CEMENT MORTAR, MODERATELY HARD, AND INTERMEDIATE LAYERS OF SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							52.0	8.0			8.0-10.0 FT. SANDSTONE VERY DARK RED (5R 2/5) SOFT, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	▽ 5/14/86
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE — HOLE NO.: MISS-45C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-46C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9850 E10,050	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-12-86	COMPLETED: 5-12-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 10.0	ROCK (FT.): 2.0	TOTAL DEPTH: 12.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 10.0/50.0 FT.	DEPTH/EL. TOP OF ROCK: 10.0/50.0 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS /ft. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 6 INCH AUGER	24"	N/A	N/A				60.0			1	0-10.0 FT. SAND (SC-SM) GRAYISH BLACK (N2, 0-3.0 FT.) MEDIUM DARK GRAY (N4, 3.0-7.0 FT.) GRAYISH BLACK (N2, 7.0-10.0 FT.) FINE-GRAINED, SILTY, MOIST. 7.0-10.0 FT. WITH SLUDGE, SOFT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							50.0	10.0			10.0-12.0 FT. SANDSTONE GRAYISH BLACK (N2), SOFT, FINE-GRAINED, HIGHLY WEATHERED, SATURATED, MIXED WITH SLUDGE.	▽ 5/14/86
							48.0	12.0			BOTTOM OF HOLE AT 12.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*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

HOLE NO.: MISS-46C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-47C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9700 E9725	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-13-86	COMPLETED: 5-13-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0
ROCK (FT.): 5.0	TOTAL DEPTH: 10.0 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 57.5 FT.	DEPTH/EL. GROUND WATER: 9.0/48.5 FT.
DEPTH/EL. TOP OF ROCK: 5.0/52.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				57.5					
REAMED HOLE WITH 6 INCH AUGER							56.5	1.0		1	0-1.0 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
											1.0-5.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 1.0-2.0 FT.F) DARK GRAY (N3, 2-5.0 FT.) FINE-GRAINED, VERY SILTY, MOIST.	
							52.5	5.0			5.0-10.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, VERY SILTY, MODERATELY WEATHERED, PARTLY SATURATED.	▽ 5/14/86
							47.5	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENSION PENETROMETER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-47C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-48C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9850 E10,150	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-13-86	COMPLETED: 5-13-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0
ROCK (FT.): 4.5	TOTAL DEPTH: 11.5 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 5.0/55.0 FT.
DEPTH/EL. TOP OF ROCK: 7.0/53.0 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							60.0					
SS 1.5"	24"	N/A	N/A								0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							59.0	1.0		1	0.5-7.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0.5-4.5 FT.) DUSKY YELLOWISH BROWN (10YR 2/6, 4.5 -7.0 FT.), FINE-GRAINED, SILTY, MOIST. 4.5-7.0 FT. WITH SLUDGE, SOFT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER								5.0				▽ 5/14/86
							53.0	7.0			7.0-11.5 FT. SANDSTONE DUSKY RED (5R 3/2), SOFT TO MODERATELY HARD, FINE-GRAINED SILTY, WEATHERED, SATURATED.	
								10.0				
							48.5	11.5			BOTTOM OF HOLE AT 11.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-48C

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-49C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9900 E10,200	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-13-86	COMPLETED: 5-13-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 2.0	TOTAL DEPTH: 10.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 9.0/51.0 FT.	DEPTH/EL. TOP OF ROCK: 8.0/52.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 6 INCH AUGER	24"	N/A	N/A				60.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							59.0	1.0		1	0-1.0 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL.	
											1.0-8.0 FT. SAND (SC-SM) DUSKY BROWN TO WHITE (5YR 2/2-N9, 1.0-2.5 FT.), BLACK TO DUSKY BROWN (N1-5YR 2/2, 2.5-6.0 FT.), GRAYISH BROWN (5YR 3/2, 6.0-8.0 FT.) FINE-GRAINED, VERY SILTY, MOIST. 2.5 FT. CONCRETE RUBBLE 2.5-6.0 FT. WITH ASH, MIXED.	
								6.0				
							52.0	8.0			8.0-10.0 FT. SANDSTONE MODERATE YELLOWISH BROWN (10YR 5/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	▽ 5/13/86
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-49C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-50C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9850 E10,250	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-13-86	COMPLETED: 5-13-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0	ROCK (FT.): 3.0	TOTAL DEPTH: 10.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 8.0/52.0 FT.	DEPTH/EL. TOP OF ROCK: 7.0/53.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							60.0					
SS 1.5"	24"	N/A	N/A				59.0	0.5		1	0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 INCH AUGER											0.5-7.0 FT. SAND (SC-SM) DUSKY BROWN TO BLACK (5YR 2/2-N1, 0.5-4.0 FT.), DUSKY BROWN TO WHITE, SPECKLED (5YR 2/2-N9, 4.0-7.0 FT.), FINE-GRAINED, VERY SILTY, MOIST. 0.5-4.0 FT. WITH SAND AND ASH. 4.0-6.0 FT. SLUDGE	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							53.0	7.0			7.0-10.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, VERY SILTY, MODERATELY WEATHERED, SATURATED.	▽ 5/14/86
							50.0	10.0				
											BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-50C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-51C						
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9950 E10,250			ANGLE FROM HORIZ.: 90	BEARING: N/A				
BEGUN: 5-14-86	COMPLETED: 5-14-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 6.8	ROCK (FT.): 0.2	TOTAL DEPTH: 7.0 FT.		
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 2	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 7.0/53.0 FT.	DEPTH/EL. TOP OF ROCK: 6.8/53.2 FT.			
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN							

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURNS, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				60.0					
							59.5	0.5		1	0-0.5 FT. SILT (ML) MODERATE BROWN (5 YR 3/4) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 INCH AUGER											0.5-6.8 FT. SAND (SC-SM) DUSKY RED (5R 3/4, 0.5-1.0 FT.), DUSKY BROWN TO BLACK (5YR 2/2-N1, 1.0-6.8 FT.), FINE-GRAINED, SILTY, CONTAINS SLUDGE, PLASTIC TO SLIGHTLY PLASTIC, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
	12"	N/A	N/A				53.2	6.8		2	6.8-7.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY, WEATHERED, SATURATED.	5/14/86
							53.0	7.0				
								10.0			BOTTOM OF HOLE AT 7.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*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

HOLE NO.: MISS-51C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-52C	
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9950 E10,150	ANGLE FROM HORIZ.: 90	BEARING: N/A	
BEGUN: 5-14-86	COMPLETED: 5-14-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN
OVERBURDEN (FT.): 8.0	ROCK (FT.): 2.0	TOTAL DEPTH: 10.0 FT.	CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A
SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 7.0/53.0 FT.	DEPTH/EL. TOP OF ROCK: 8.0/52.0 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN		

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.
							60.0					
SS 1.5"	24"	N/A	N/A				59.5	0.5		1	0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL. 0.5-8.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2, 0.5-2.0 FT.), VERY LIGHT GRAY (N8, 2.0-4.0 FT.), GRAYISH ORANGE (10YR 7/4, 4.0-6.0 FT.), DUSKY BROWN (5YR 2/2, 6.0-8.0 FT.), FINE-GRAINED, VERY SILTY, MOIST. 2.0-4.0 FT. SLUDGE, PLASTIC, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER								5.0				▽ 5/14/86
							52.0	8.0			8.0-10.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.	
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*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 — HOLE NO.: MISS-52C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-53C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9910 E9600	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-14-86	COMPLETED: 5-14-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.0	ROCK (FT.): 5.0	TOTAL DEPTH: 10.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 59.0 FT.	DEPTH/EL. GROUND WATER: 6.0/53.0 FT.	DEPTH/EL. TOP OF ROCK: 5.0/54.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS VS PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS = G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME = MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				59.0				0-1.5 ASPHALT PAVING, CRUSHED ROCK AND SAND. GRAYISH BLACK TO DARK GRAY (N2-N3) AND GRAYISH ORANGE (10YR 7/4).	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							57.5	1.5			1.5-5.0 FT. SAND AND SLUDGE (SC-SM) VERY LIGHT GRAY TO WHITE (N8-N9), SOFT VERY SILTY AND CLAYEY, PLASTIC, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER							54.0	5.0			5.0-10.0 FT. SANDSTONE BLACK (N1), SOFT, FINE-GRAINED, SILTY, HIGHLY WEATHERED, SATURATED.	▽ 5/14/86
							49.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; C=CORE BARREL; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-53C

045933

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-60C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9600 E9700	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/16/86	COMPLETED: 5/16/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 5.5	ROCK (FT.): 0.5	TOTAL DEPTH: 6.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 55.9 FT	DEPTH/EL. GROUND WATER: 4.5/51.4 FT	DEPTH/EL. TOP OF ROCK: 5.5/50.4 FT	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				55.9					
REAMED HOLE WITH 6 IN AUGER							54.9	1.0		1	0-1.0 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											1.0-5.5 FT. SAND (SC-SM) LIGHT GRAY (N7, 1.0-4.0 FT), DUSKY BROWN AND BLACK (5YR 2/2, N1, 4.0-5.5 FT), FINE-GRAINED, NON-COHESIVE, DRY	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												▽ 5/21/86
							50.4	5.0				
								5.5			5.5-6.0 FT. SANDSTONE, DUSKY BROWN (5YR 2/2).	
							49.9	6.0			BOTTOM OF HOLE AT 6.0 FT.	AUGER REFUSAL AT 6.0 FT.
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/21/86	

*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

HOLE NO.: MISS-60C

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-61C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9485 E9800	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-16-86	COMPLETED: 5-16-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0
ROCK (FT.): 2.0	TOTAL DEPTH: 9.0 FT				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 54.4 FT	DEPTH/EL. GROUND WATER: 4.0/50.4 FT
DEPTH/EL. TOP OF ROCK: 7.0/47.4 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS 'N' PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURNS, CHARACTER OF DRILLING, ETC.
							54.4					
SS 1.5"	24"	N/A	N/A				53.9	0.5		1	0-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 IN AUGER											0.5-7.0 FT. SAND (SC-SM) BLACK (N1), FINE-GRAINED, SILTY, CLAYEY, VISCOUS SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/21/86
								5.0				
							47.4	7.0			7.0-9.0 FT. SANDSTONE, BLACK (N1), FINE-GRAINED, VERY SILTY, SLUDGE, HIGHLY WEATHERED, SATURATED.	
							45.4	9.0			BOTTOM OF HOLE AT 9.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/21/86.	AUGER REFUSAL AT 9.0 FT.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON ST=SHELBY TUBE, D=DICKINSON P=PITCHER O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-61C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-62C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9570 E9605	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-19-86	COMPLETED: 5-19-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 6.0	ROCK (FT.): 9.0	TOTAL DEPTH: 15.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 59.5 FT	DEPTH/EL. GROUND WATER: 8.0/51.5 FT	DEPTH/EL. TOP OF ROCK: 6.0/53.5 FT	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /ft. PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 6 IN AUGER	24"	N/A	N/A				59.5	0.5		1	0-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0			0.5-6.0 FT. SAND (SC-SM), GRAYISH BROWN (5YR 3/2, 0.5-3.5 FT), DUSKY BROWN (5YR 2/2, 3.5-6.0 FT), FINE-GRAINED, SILTY, DRY. 3.5-4.0 FT. LEATHER HIDES, GRAYISH GREEN (10GY 5/2).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							53.5	6.0			6.0-15.0 FT. SANDSTONE, DUSKY BROWN (5YR 2/2), SOFT, FINE-GRAINED, HIGHLY WEATHERED, SATURATED SLUDGE.	▽ 5/21/86
								10.0				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

SS-SPLIT SPOON; ST-SHELBY TUBE; C-CORE BARREL; P-PITCHER; O-OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-62C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-62C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							44.5	15.0				
AUGER 6 IN											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

S=SPLIT SPOON; ST=SHELBY TUBE; B=BERMOCO; P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-62C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-63C

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9650 E9500	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-19-86	5-19-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	15.0	0	15.0 FT

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	1	N/A	58.5 FT	10/48.5 FT	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE: LENGTH CORE RUN	SAMPLE RECOVERY: CORE RECOVERY	SAMPLE BLOWS /FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				58.5					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 IN AUGER										1	0-4.0 FT. ASH, VERY LIGHT GRAY (N8), SILTY, DRY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							54.5	4.0			4.0-15.0 FT. SAND (SC-SM) WHITE TO PALE YELLOWISH BROWN (N9-10YR 6/2), FINE-GRAINED, SILTY AND CLAYEY, SLIGHTLY PLASTIC, WITH ASH.	
								5.0				
								10.0				▽ 5/19/86

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-63C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-63C

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /' PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							43.5	15.0				
AUGER 6 IN											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE | HOLE NO. MISS-63C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-64C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9595 E9400	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-19-86	COMPLETED: 5-19-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 14.0	ROCK (FT.): 6.0	TOTAL DEPTH: 20.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 59.5 FT.	DEPTH/EL. GROUND WATER: 12.0/47.5 FT.	DEPTH/EL. TOP OF ROCK: 14.0/45.5 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				59.5	5.0		1	0-14.0 FT. SAND (SC-SM) WHITE (N9, 0-11.0 FT.), LIGHT GRAY (N7, 11-14.0 FT.), VERY FINE-GRAINED, SILTY, MOIST TO SATURATED, SLIGHTLY PLASTIC TO NON-PLASTIC, WITH ASH AND SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER								10.0				▽ 5-21-86

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-64C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-64C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							45.5	14.0			14.0-20.0 FT. SANDSTONE LIGHT GRAY (N7), SOFT, FINE TO MEDIUM-GRAINED, VERY SILTY, POORLY CEMENTED, WEATHERED SATURATED.	
							39.5	15.0 20.0			BOTTOM OF HOLE AT 20.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE | HOLE NO. MISS-64C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-65C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9300 E9700	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-20-86	COMPLETED: 5-21-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 10.0	ROCK (FT.): 8.0	TOTAL DEPTH: 18.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 56.0 FT	DEPTH/EL. GROUND WATER: 12.0/44.0 FT	DEPTH/EL. TOP OF ROCK: 10/46.0 FT	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							56.0					
SS 1.5"	24"	N/A	N/A							1	0-10.0 FT. SILT (ML) WHITE (N9), SOFT, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC, MOIST, WITH ASH AND SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. BOREHOLE COMPLETED 5-20-86 WITH THE EXCEPTION OF GAMMA LOGGING, WHICH WAS COMPLETED 5-21-86.
REAMED HOLE WITH 6 IN AUGER								5.0				
							46.0	10.0			10.0-18.0 FT. SAND (SC-SM) MEDIUM GRAY (N5), SOFT, FINE TO MEDIUM-GRAINED, SILTY, NONCOHESIVE, MODERATELY WEATHERED, SATURATED.	▽ 5-21-86 *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-65C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-65C

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/ LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS/ft / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN								15.9				
							38.0	18.0			BOTTOM OF HOLE AT 18.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-65C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-66C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9400 E9615	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-21-86	COMPLETED: 5-21-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 18.0
ROCK (FT.): 0.0	TOTAL DEPTH: 18.0 FT				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 56.1 FT	DEPTH/EL. GROUND WATER: UNABLE TO MEASURE
DEPTH/EL. TOP OF ROCK: N/A					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GAL.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 6 IN AUGER	24"	N/A	N/A				56.1			1	0-11.0 FT. SILT (ML) WHITE (N9) TO VERY LIGHT GRAY (N8), SOFT, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC, WITH DRY, THINLY BEDDED ASH.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
								10.0				
							45.1	11.0			11.0-18.0 FT. SAND (SC-SM) BLACK (N1), SOFT, NONCOHESIVE, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-66C

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-66C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 IN							38.1	15.0 18.0			BOTTOM OF HOLE AT 18.0 FT. BECAUSE OF RIG TOWING OPERATIONS, THE BOREHOLE WAS LOST AND NOT BACKFILLED WITH CEMENT-BENTONITE GROUT.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-66C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-136	SHEET NO.: 1 OF 1	HOLE NO.: MISS-67C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9397 E9715	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-22-86	COMPLETED: 5-22-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 2.0	TOTAL DEPTH: 10.0 FT
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 57.2 FT	DEPTH/EL. GROUND WATER: 10.0/47.2 FT	DEPTH/EL. TOP OF ROCK: 8.0/49.2 FT
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /6" OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				57.2			1	0-6.0 FT. SILT (ML) DUSKY BROWN (5YR 2/2) SOFT, SILTY, NON-PLASTIC, WITH BRICK AND RUBBLE FRAGMENTS.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. VAPOR WAS EMITTED FROM THE HOLE ON COMPLETION OF DRILLING.
REAMED HOLE WITH 6 IN AUGER							51.2	5.0			6.0-8.0 FT. SAND (SC-SM) PALE BROWN (5YR 5/2) SOFT, SILTY, FINE-GRAINED, UNCOHESIVE, MOIST.	
							49.2	8.0			8.0-10.0 FT. SANDSTONE, BLACK (N1), SOFT, FINE GRAINED, SILTY MODERATELY WEATHERED, SATURATED.	▽ 5-23-86
							47.2	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-23-86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-67C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-68C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9930 E9800	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-22-86	COMPLETED: 5-22-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 4.5	TOTAL DEPTH: 12.5 FT
CORE RECOVERY/FT./% : N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 59.9 FT	DEPTH/EL. GROUND WATER: 12.5/47.4 FT	DEPTH/EL. TOP OF ROCK: 8.0/51.9 FT	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							59.9					
SS 1.5" REAMED HOLE WITH 6 IN AUGER	24"	N/A	N/A				59.4	0.5		1	0-0.5 FT. CRUSHED ROCK, MEDIUM GRAY (N5) CRUSHED BASALT ROAD BASE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-8.0 FT. SAND (SC-SM) DUSKY RED (5YR 3/4, 0.5-5.0 FT), WHITE (N9, 5.0-6.0 FT), BLACK (N1, 6.0-8.0 FT), SOFT, NONCOHESIVE TO SLIGHTLY PLASTIC, SILTY AND CLAYEY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0			5.0-6.0 FT. MAINLY SLUDGE.	
											6.0-8.0 FT. VERY SILTY.	
							51.9	8.0			8.0-12.5 FT. SANDSTONE, DUSKY RED (5YR 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY, SLIGHTLY CLAYEY, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.
								10.0				
							47.4	12.5				▽ 5/22/86
											BOTTOM OF HOLE AT 12.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-23-86.	

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-68C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-69C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9420 E10,005	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5/23/86	COMPLETED: 5/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0
ROCK (FT.): 2.0	TOTAL DEPTH: 9.0 FT.				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 56.1 FT.	DEPTH/EL. GROUND WATER: 5.5/50.6 FT.
DEPTH/EL. TOP OF ROCK: 7.0/49.1 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH.							56.1					
							55.6	0.5			0-0.5 FT. CRUSHED ROCK MEDIUM GRAY (N5), SILTY CRUSHED BASALT ROAD BASE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-7.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2, 0.5-5.0 FT.), MODERATE BROWN (5YR 3/4, 5.0-7.0 FT.) FINE TO MEDIUM GRAINED, SILTY, SLIGHTLY CLAYEY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5-28-86
							49.1	7.0			7.0-9.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, MODERATELY WEATHERED, SATURATED.	
							47.1	9.0			BOTTOM OF HOLE AT 9.0 FT.	
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	*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

HOLE NO.: MISS-69C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-69C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9420 E10,005	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/23/86	COMPLETED: 5/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 7.0	ROCK (FT.): 2.0	TOTAL DEPTH: 9.0 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 56.1 FT.	DEPTH/EL. GROUND WATER: 5.5/50.6 FT.	DEPTH/EL. TOP OF ROCK: 7.0/49.1 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /ft PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH.							56.1					
							55.6	0.5			0-0.5 FT. CRUSHED ROCK MEDIUM GRAY (N5), SILTY CRUSHED BASALT ROAD BASE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-7.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2, 0.5-5.0 FT.), MODERATE BROWN (5YR 3/4, 5.0-7.0 FT.) FINE TO MEDIUM GRAINED, SILTY, SLIGHTLY CLAYEY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				▽ 5-28-86
							49.1	7.0			7.0-9.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, MODERATELY WEATHERED, SATURATED.	
							47.1	9.0				
											BOTTOM OF HOLE AT 9.0 FT.	
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	
												*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-69C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-70R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9175 E10,065	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/23/86	COMPLETED: 5/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 11.0	ROCK (FT.): 1.0	TOTAL DEPTH: 12.0 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 49.9 FT.	DEPTH/EL. GROUND WATER: 3.0/46.9 FT.	DEPTH/EL. TOP OF ROCK: 11.0/38.9 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN				

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS TV PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							49.9					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							44.9	0.5			0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	
											0.5-11.0 FT. SAND (SC-SM) BLACK (N1, 0.5-3.0 AND 6.0-11.0 FT.), 0.5-3.0 AND 6.0-11.0 FT.), LIGHT GRAY TO MEDIUM GRAY (N7 TO N5, 3.0-6.0 FT.), FINE GRAINED, SILTY, WITH SLIGHTLY TO MODERATELY PLASTIC MOIST SLUDGE.	▽ 5/28/86
								6.0				EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10.0				
							38.9	11.0			11.0-12.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, SILTY, WEATHERED SATURATED.	
								12.0			BOTTOM OF HOLE AT 12.0 FT.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-70R

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-71C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9755 E9270	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5/23/86	COMPLETED: 5/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 9.0
ROCK (FT.): 8.5	TOTAL DEPTH: 17.5 FT.				
CORE RECOVERY/FT./ID: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 58.5 FT.	DEPTH/EL. GROUND WATER: 12.0/46.5 FT.
DEPTH/EL. TOP OF ROCK: 9.0/49.5 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				58.5					
REAMED HOLE WITH 6 INCH AUGER							57.5	1.0		1	0-1.0 FT. SILT (ML) PALE YELLOWISH BROWN (10YR 6/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											1.0-9.0 FT. SAND (SC-SM) GRAYISH ORANGE PINK (5YR 7/2), WHITE (N9), LIGHT GRAY (N7), FINE-GRAINED, SILTY AND CLAYEY, THINLY STRATIFIED, VARVE LIKE DEPOSIT OF SLIGHTLY PLASTIC SLUDGE, DAMP TO VERY MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							49.5	9.0			9.0-17.5 FT. SANDSTONE BLACK (N1) SOFT, FINE-GRAINED, SILTY, MODERATELY TO HIGHLY WEATHERED, SATURATED.	5-28-86
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON; ST-SHELBY TUBE; P-PISTON; O-OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-71C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-71C

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH OF CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH.							410	17.5			BOTTOM OF HOLE AT 17.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT ,5-28-86.	AUGER REFUSAL AT 17.5 FT.

SS=SPLIT SPOON, ST=SHELBY TUBE, D=DENNISON, P=PITCHER, O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-71C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 1	MISS-72R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9060 E9985	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-27-86	5-27-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	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	52.5 FT.	UNABLE TO DETERMINE	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE; DIA./LENGTH	LOGGED BY
N/A	N/A	P. YEN

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS /ft. / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							52.5				0-5.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, NON PLASTIC, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							47.5	5.0			BOTTOM OF HOLE AT 5.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	AUGER REFUSAL AT 5.0 FT. GROUND WATER LEVEL MEASURED ON 5-28-86.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; PT=PITCHER; O=OTHER

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE	MISS-72R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP							JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-73R
SITE: MAYWOOD INTERIM STORAGE SITE			COORDINATES: N9015 E9875				ANGLE FROM HORIZ.: 90		BEARING: N/A
BEGUN: 5-27-86	COMPLETED: 5-27-86	DRILLER: NORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 8.0	ROCK (FT.): 0.0		TOTAL DEPTH: 8.0 FT.
CORE RECOVERY (FT./%): N/A		CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 52.1 FT.	DEPTH/EL. GROUND WATER: UNABLE TO DETERMINE		DEPTH/EL. TOP OF ROCK: N/A	
SAMPLE HAMMER WEIGHT/FALL: N/A		CASING LEFT IN HOLE: DIA./LENGTH: N/A		LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							52.1				0-8.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, NON PLASTIC, SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5-28-86.
							44.1	8.0			BOTTOM OF HOLE AT 8.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	AUGER REFUSAL AT 8.0 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-73R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-74R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9065 E9800	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5/27/86	5/27/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	6.0	13.0	19.0 FT.

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	52.8 FT.	12.0/40.8 FT.	6/46.8 FT.

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							52.8					
							51.8	1.0			0-1.0 FT. SILT (ML) PALE BROWN (5YR 5/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								6.0			1.0-6.0 FT. SAND (SC-SM) WHITE TO PALE YELLOWISH BROWN (N9-10YR 6/2, 1.0-3.5 FT.), BLACK (N1, 3.5-6.0 FT.) SOFT, FINE-GRAINED, VERY SILTY, NON-PLASTIC, WITH ASH AND SLUDGE, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							46.8	6.0			6.0-19.0 FT. SANDSTONE DARK YELLOWISH BROWN (10YR 4/2) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, NON-PLASTIC, MODERATELY WEATHERED, SILTY, DAMP TO SATURATED UNCONSOLIDATED TO 14.0 FT.	▽ 5/28/86
								20.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-74R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-74R

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH DRIVE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							38.8	15.0				
								19.0			BOTTOM OF HOLE AT 19.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	AUGER REFUSAL AT 19.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-74R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-13B	1 OF 2	MISS-75R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9130 E9800	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5/27/86	5/27/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	5.0	10.0	15.0 FT.

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	51.5 FT.	UNABLE TO DETERMINE	5.0/46.5 FT.

SAMPLER HAMMER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	P. YEN

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6 INCH							51.5					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5-28-86.
							50.5	0.5			0-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	
											0.5-5.0 FT. SAND (SC-SM) WHITE (N9, 0.5-3.0 FT.) BLACK (N1, 3.0-5.0 FT.). SOFT, FINE TO MEDIUM-GRAINED VERY SILTY, NON-PLASTIC TO SLIGHTLY PLASTIC, WITH ASH AND SLUDGE, MOIST.	
							46.5	5.0			5.0-15.0 FT. SANDSTONE PALE YELLOWISH BROWN (10YR 6/2) TO MODERATE BROWN (5YR 3/4) VERY SOFT, FINE TO MEDIUM-GRAINED, MAINLY UNCEMENTED, SILTY, NON-PLASTIC, MODERATELY WEATHERED, DAMP TO SATURATED.	
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

BS=SPLIT SPOON; ST=SHELBY TUBE; PISTON P=PITCHER; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-75R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-75R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							36.5	15.0'				
AUGER 6 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT 5-28-86.	AUGER REFUSAL AT 15.0 FT.

SS=SPLIT SPOON, ST=SHELBY TUBE, D=DENNISON, P=PITCHER, O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-75R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-76C

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9100 E9740	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5/27/86	5/27/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	5.0	10.0	15.0

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	1	N/A	53.0 FT.	UNABLE TO DETERMINE	5.0/48.0 FT.

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				53.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							52.0	1.0		1	0-1.0 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	
											1.0-5.0 FT. SAND (SC-SM) WHITE (N9, 1.0-3.0 FT.) GRAYISH ORANGE (10YR 7/3, 3.0-5.0 FT.), FINE-GRAINED SILTY, NON-PLASTIC WITH ASH AND SLUDGE MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER							48.0	5.0			5.0-15.0 FT. SANDSTONE BLACK (N1, 5.0-15.0 FT.) SOFT, FINE TO MEDIUM-GRAINED, SILTY NON-PLASTIC TO POORLY CEMENTED, HIGHLY WEATHERED, MOIST TO SATURATED, WITH STRONG H_2S ODOR.	
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-76C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-76C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							38.0	15.0				
AUGER 6 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-76C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-77C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N8980 E9930	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5/28/86	COMPLETED: 5/28/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 1.0	ROCK (FT.): 5.0	TOTAL DEPTH: 6.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 51.0 FT.	DEPTH/EL. GROUND WATER: DRY	DEPTH/EL. TOP OF ROCK: 1.0/50.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/CORE RUN LENGTH	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				51.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							50.0	1.0		1	0-1.0 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	
REAMED HOLE WITH 6 INCH AUGER											1.0-6.0 FT. SANDSTONE DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, UNCEMENTED TO POORLY CEMENTED, VERY SILTY, DRY TO MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				GROUND WATER LEVEL MEASURED ON 5-28-86.
							46.0	6.0			BOTTOM OF HOLE AT 6.0 FT.	
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	
												*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-77C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-78C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9135 E10,035	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5/28/86	COMPLETED: 5/28/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 6 IN	OVERBURDEN (FT.): 0.5
ROCK (FT.): 5.5	TOTAL DEPTH: 6.0 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 53.0 FT.	DEPTH/EL. GROUND WATER: DRY
DEPTH/EL. TOP OF ROCK: 0.5/52.5 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLED ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE PSI	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							53.0					
SS 1.5"	24"	N/A	N/A				52.5	0.5		1	0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 INCH AUGER											0.5-6.0 FT. SANDSTONE DUSKY RED (5R 3/4) SOFT, FINE TO MEDIUM-GRAINED, SILTY, NON-PLASTIC, DRY TO MOIST, GENERALLY UNCEMENTED. 5.0-6.0 FT. MODERATELY HARD, CEMENTED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5/28/86
								5.0				
							47.0	6.0			BOTTOM OF HOLE AT 6.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON ST=SHELBY TUBE, P=PISTON O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-78C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-79R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9150 E9670	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-29-86	5-29-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	10.0	5.0	15.0 FT.

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	1	N/A	54.2 FT.	9.0/45.2 FT.	10.0/44.2 FT.

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				54.2			1	0-10.0 FT SILT (ML) YELLOWISH GRAY TO BROWNISH GRAY (5YR 7/2 TO 5YR 4/1, 0-1.0 FT.), VERY LIGHT GRAY TO WHITE (N8 TO N9, 1.0-10.0 FT.) SOFT, VERY SANDY, SLIGHTLY PLASTIC, MOIST, WITH ASH AND SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 6 INCH AUGER								5.0				
							44.2	10.0			10.0-15.0 FT. SANDSTONE BROWNISH GRAY (5YR 4/1), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, VERY SILTY, WEATHERED, SATURATED.	▽ 5/30/86 *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

HOLE NO.: MISS-79R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO.: 14501-138 | SHEET NO.: 2 of 2 | HOLE NO.: MISS-79R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								15.0				
AUGER 6 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-79R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-80C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9350 E9550	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-29-86	COMPLETED: 5-29-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 6 IN	OVERBURDEN (FT.): 9.0	ROCK (FT.): 6.0	TOTAL DEPTH: 15.0 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 56.8 FT.	DEPTH/EL. GROUND WATER: 8.0/48.8 FT.	DEPTH/EL. TOP OF ROCK: 9.0/47.8 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE RUNS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							56.8					
SS 1.5"	24"	N/A	N/A				56.3	0.5		1	0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
REAMED HOLE WITH 6 INCH AUGER											0.5-9.0 FT. SAND (SC-SM) WHITE (N9) AND TRACE OF BLACK (N1), SOFT, FINE-GRAINED, VERY SILTY AND CLAYEY, STRATIFIED, WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							47.8	9.0				▽ 5/30/86
								10.0			9.0-15.0 FT. SANDSTONE BLACK (N1, 9.0-14.0 FT.), DUSKY RED (5R 3/4, 14.0-15.0 FT.), SOFT, FINE-GRAINED, VERY SILTY UNCEMENTED TO SLIGHTLY CEMENTED, WEATHERED, SATURATED.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-80C

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-80C

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							41.8	15.0			14.0-15.0 MODERATELY HARD, CEMENTED.	
AUGER 6 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE | HOLE NO. MISS-80C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-81R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9280 E9550	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-29-86	COMPLETED: 5-29-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 10.0 FT.
ROCK (FT.): 3.0 FT.	TOTAL DEPTH: 13.0 FT.				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 57.1 FT.	DEPTH/EL. GROUND WATER: 12.0/45.1 FT.
DEPTH/EL. TOP OF ROCK: 10.0/47.1 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							57.1					
											0-1.0 FT. SILT (ML) PALE YELLOWISH BROWN (10YR 7/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							56.1	1.0			1-10.0 FT. SAND (SC-SM) WHITE (N9), FINE TO VERY FINE-GRAINED, SILTY, CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST, WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							47.1	10.0			10.0-13.0 FT. SANDSTONE BLACK (N1), SOFT, FINE TO MEDIUM-GRAINED, VERY SILTY, POORLY CEMENTED, WEATHERED, SATURATED.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. ▽ 5/30/86
							44.1	13.0				
											BOTTOM OF HOLE AT 13.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-81R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-82C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9300 E9600	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-29-86	COMPLETED: 5-29-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 10.0	ROCK (FT.): 5.0	TOTAL DEPTH: 15.0 FT.
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 56.6 FT.	DEPTH/EL. GROUND WATER: 10.0/46.6 FT.	DEPTH/EL. TOP OF ROCK: 10.0/46.6 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS W PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				56.6			1	0-10.0 FT. SAND (SC-SM) WHITE (N9), FINE TO MEDIUM-GRAINED, VERY SILTY, CLAYEY, MOIST, WITH ASH AND SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 5 INCH AUGER								5.0				
							46.6	10.0			10.0-15.0 FT. SANDSTONE BLACK (N1), SOFT, FINE-GRAINED, SILTY, WEATHERED, SATURATED.	▽ 5/30/86 *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-82C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-82C

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS PER PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							416	15.0				
AUGER 5 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-82C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-83C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9350 E9475	ANGLE FROM HORIZ.: 90	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
5-29-86	5-29-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	5 IN.	10.0	5.0	15.0 FT.

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	1	N/A	57.3 FT.	UNABLE TO DETERMINE	10.0/47.3 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				57.3			1	0-10.0 FT. SAND (SC-SM) PALE BROWN (5YR 5/2, 0-6.0 FT.), GRAYISH BROWN (5YR 3/2, 6-10.0 FT.) FINE GRAINED, VERY SILTY, SLIGHTLY CLAYEY, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5/30/86
REAMED HOLE WITH 5 INCH AUGER								6.0				
							47.3	10.0			10.0-15.0 FT. SANDSTONE BLACK (N1) TO GRAYISH BLACK (N2), SOFT, FINE TO MEDIUM-GRAINED, POORLY CEMENTED, SILTY WEATHERED, MOIST.	

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-83C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-83C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5"							42.3	15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

SS=SPLIT SPOON, ST=SHELBY TUBE, D=DENNISON, P=PITCHER, O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-83C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-84C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9400 E9500	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-29-86	COMPLETED: 5/30/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 11.0	ROCK (FT.): 5.0	TOTAL DEPTH: 16.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 56.5 FT.	DEPTH/EL. GROUND WATER: 10.0/46.5 FT.	DEPTH/EL. TOP OF ROCK: 11.0/45.5 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				56.5					
							56.0	0.5		1	1-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-11.0 FT. SAND (SC-SM) WHITE (N9) TO LIGHT GRAY (N7), FINE-GRAINED, SILTY, CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST TO SATURATED, WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
												ADVANCED HOLE BY AUGER DRILLING ON 5-30-86.
								10.0				▽ 5/30/86
							45.5	11.0			11.0-16.0 FT. SANDSTONE BLACK (N1) SOFT, FINE TO MEDIUM-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, SATURATED.	
REAMED HOLE WITH 5 INCH AUGER												*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-84C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-84C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							40.5	15.0 16.0			BOTTOM OF HOLE AT 16.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-84C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-85C		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9430 E9415	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 5-30-86	COMPLETED: 5-30-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 11.0	ROCK (FT.): 4.0	TOTAL DEPTH: 15.0 FT.
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A	GROUND EL.: 56.0 FT.	DEPTH/EL. GROUND WATER: UNABLE TO MEASURE	DEPTH/EL. TOP OF ROCK: 11.0/45.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5"	24"	N/A	N/A				56.0			1	0-11.0 FT. SAND (SC-SM) PALE YELLOWISH BROWN (10YR 7/2), FINE-GRAINED, SILTY, DRY TO MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5/30/86
REAMED HOLE WITH 5 INCH AUGER								5.0				
								10.0				
							45.0	11.0			11.0-15.0 FT. SANDSTONE DUSKY BROWN (5YR 2/2) TO DUSKY RED (5R 3/4), SOFT, FINE-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-85C

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-85C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							410	15.0				
AUGER 5 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-85C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-86C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9500 E9600	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 5-30-86	COMPLETED: 5-30-86	DRILLER: NORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 15.0	ROCK (FT.): 0	TOTAL DEPTH: 15.0 FT.
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 57.0 FT.	DEPTH/EL. GROUND WATER: UNABLE TO MEASURE	DEPTH/EL. TOP OF ROCK: N/A	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" REAMED HOLE WITH 5 INCH AUGER	24"	N/A	N/A				57.0			1	0-7.0 FT. SILT AND ASH (ML) WHITE (N9) CLAYEY, SANDY, SLIGHTLY PLASTIC, MOIST WITH SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5-30-86.
								7.0				
							50.0				7.0-15.0 FT. SAND (SC-SM) GRAYISH BROWN (5YR 3/2, 7.0-10.0 FT.) BLACK (N1, 10.0-15.0 FT.) FINE-GRAINED, SILTY, NON-PLASTIC, WEATHERED, SATURATED.	
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-86C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-86C

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							42.0	15.0				
AUGER 5 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-86C

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-87R		
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9995 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A		
BEGUN: 6-2-86	COMPLETED: 6-2-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 14.0 FT.
ROCK (FT.): 6.0 FT.	TOTAL DEPTH: 20.0 FT.				
CORE RECOVERY T./D: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.5 FT.	DEPTH/EL. GROUND WATER: UNABLE TO MEASURE
DEPTH/EL. TOP OF ROCK: 14.0/45.5 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH & CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /ft. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							59.5				0-4.0 FT. SILT (ML) DUSKY BROWN (5YR 2/2), SOFT, SLIGHTLY SANDY AND CLAYEY, DRY TO MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							55.5	4.0			4.0-14.0 FT. SAND (SC-SM) GRAYISH ORANGE (10YR 8/4) FINE-GRAINED, SILTY, MOIST, WITH SLUDGE.	GROUND WATER LEVEL MEASURED ON 6/6/86
								10.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-87R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-87R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							45.5	14.0			14.0-20.0 FT. SANDSTONE MODERATE BROWN (5YR 3/4), SOFT, FINE-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, SATURATED.	
								15.0				
							39.5	20.0			BOTTOM OF HOLE AT 20.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-87R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 of 2	MISS-89R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9295 E9705	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
6-3-86	6-3-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	5 IN.	13.0 FT.	3.0 FT.	16.0 FT.

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	56.5 FT.	UNABLE TO MEASURE	13.0/43.5 FT.

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

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							56.5				0-10.0 FT. SILT AND ASH (ML) MEDIUM GRAY (N5, 0-5.0 FT.), WHITE (N9, 5.0-10.0 FT.), SANDY, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC, MOIST, WITH SLUDGE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 6-6-86.
								5.0				
							46.5	10.0			10.0-13.0 FT. SAND (SC-SM) BLACK (N1), FINE TO MEDIUM-GRAINED, SILTY, SATURATED.	
							43.5	13.0			13.0-16.0 FT. SANDSTONE SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, POORLY TO MODERATELY CEMENTED, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-89R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO.: 14501-138 | SHEET NO.: 2 OF 2 | HOLE NO.: MISS-89R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							40.5	15.0 16.0			BOTTOM OF HOLE AT 16.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-88.	

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

SITE: MAYWOOD INTERIM STORAGE SITE | HOLE NO.: MISS-89R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-90C
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9200 E9900	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 6-3-86	COMPLETED: 6-3-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-40L
HOLE SIZE: 5 IN	OVERBURDEN (FT.): 7.0 FT.	ROCK (FT.): 4.5 FT.	TOTAL DEPTH: 11.5 FT.
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: 1	EL. TOP OF CASING: N/A
GROUND EL.: 55.0 FT.	DEPTH/EL. GROUND WATER: 9.0/46.0 FT.	DEPTH/EL. TOP OF ROCK: 7.0/48.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN	

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.
SS 1.5"	24"	N/A	N/A				55.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							54.0	1.0		1	0-1.0 FT. SILT (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL.	
											1.0-2.0 FT. SANDSTONE BLACKISH RED (5R 2/4), MODERATELY HARD, WITH 2 INCH GRAVEL.	
							53.0	2.0			2.0-7.0 FT. SAND (SC-SM) GRAYISH BROWN TO DUSKY BROWN (5YR 3/2, TO 5YR 2/2) FINE TO MEDIUM-GRAINED, SILTY, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
REAMED HOLE WITH 5 INCH AUGER								5.0				
							48.0	7.0			7.0-11.5 FT. SANDSTONE VERY DARK RED (5R 2/5), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, MOIST TO SATURATED.	▽ 6/6/86
								10.0				
							43.5	11.5			BOTTOM OF HOLE AT 11.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	*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

HOLE NO.: MISS-90C

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 2	MISS-92R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9650 E9300	- 90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
6-4-86	6-4-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	5 IN.	15.0 FT.	2.0 FT.	17.0 FT.

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	58.0 FT.	10.0/48.0 FT.	15.0/43.0 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS /F PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							58.0					
							56.5	1.5			0-1.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5.0			1.5-15.0 FT. SAND (SC-SM) WHITE (N9, 1.5-10.0 FT.), SCATTERED THIN VARVES OF BLACK (N1, 1.5-10.0 FT.), GRAYISH BROWN (5YR 3/2, 10.0-15.0 FT.), FINE-GRAINED, SILTY, WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 6-6-86.
								10.0				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-92R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-92R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							43.0	15.0				
											15.0-17.0 FT. SANDSTONE VERY DARK RED (5R 2/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	
							41.0	17.0				
											BOTTOM OF HOLE AT 17.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-92R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-13B	1 of 2	MISS-94R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9900 E9500	90	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
6-4-86	6-4-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	5 IN.	16.5 FT.	0 FT.	16.5 FT.

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	55.0 FT.	9.0/46.0 FT.	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS /ft. PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							55.0					
							54.5	0.5			0-0.5 FT. SILT (ML) DUSKY BROWN (5YR 2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-16.5 FT. SAND (SC-SM) WHITE TO PALE YELLOWISH BROWN (N9 TO 10YR 7/2, 0.5-7.5 FT.), MODERATE BROWN TO DUSKY BROWN (5YR 3/4, TO 5YR 2/2, 7.5-16.5 FT.) FINE-GRAINED, SILTY, CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST TO SATURATED, WITH SLUDGE AND ASH.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
								10.0				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE	MISS-94R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-94R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							38.5	15.0 16.5			BOTTOM OF HOLE AT 16.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-94R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-95R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9860 E9415	ANGLE FROM HORIZ.: 90	BEARING: N/A
BEGUN: 6-5-86	COMPLETED: 6-5-86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 8.0 FT.	ROCK (FT.): 5.0 FT.	TOTAL DEPTH: 13.0 FT.
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 51.5 FT.	DEPTH/EL. GROUND WATER: 9.0/42.5 FT.	DEPTH/EL. TOP OF ROCK: 8.0/43.5 FT.
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN					

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	*DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							51.5					
							51.0	0.5			0-0.5 FT. SILT (ML) DUSKY BROWN (5YR 2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-8.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4), FINE-GRAINED, SILTY, MOIST TO 4.0 FT., SATURATED 4.0-8.0 FT	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0				
							43.5	8.0			8.0-13.0 FT. SANDSTONE BLACK (N1), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	▽ 6/6/86
								10.0				
							38.5	13.0				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
											BOTTOM OF HOLE AT 13.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	AUGER REFUSAL AT 13.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-95R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 1	HOLE NO.: MISS-97R				
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N10010 E9995		ANGLE FROM HORIZ.: 90	BEARING: N/A			
BEGUN: 6-5-86	COMPLETED: 6-5-86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33	HOLE SIZE: 5 IN.	OVERBURDEN (FT.): 5.0 FT.	ROCK (FT.): 7.0 FT.	TOTAL DEPTH: 12.0 FT.
CORE RECOVERY (FT.)/%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.0 FT.	DEPTH/EL. GROUND WATER: 8.5/51.5 FT.	DEPTH/EL. TOP OF ROCK: 5.0/55.0 FT.	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE DIA./LENGTH: N/A	LOGGED BY: P. YEN					

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS/ft, PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							60.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							59.5	0.5			0-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	
											0.5-12.0 FT. SAND (SC-SM) WHITE (N9, 0.5-1.0 FT.), VERY DUSKY RED (10R 2/2, 1.0-5.0 FT.), FINE-GRAINED, SILTY, SLIGHTLY CLAYEY, MOIST WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							55.0	5.0			5.0-12.0 FT. SANDSTONE VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, MOIST TO SATURATED.	▽ 6/6/86
								10.0				
							48.0	12.0				
											BOTTOM OF HOLE AT 12.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	AUGER REFUSAL AT 12.0 FT. *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

HOLE NO.: MISS-97R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 of 2	HOLE NO.: MISS-98R
SITE: MAYWOOD INTERIM STORAGE SITE	COORDINATES: N9025 E9850	ANGLE FROM HORIZ.: 90	BEARING: N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
6-6-86	6-6-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	5 IN.	10.0 FT.	5.0 FT.	15.0 FT.

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	52.0 FT.	9.0/43.0 FT.	10.0/42.0 FT.

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT. OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 5 INCH							52.0					
							51.5	0.5			0-0.5 FT. ASH AND SILT (ML) WHITE (N9) AND PALE YELLOWISH BROWN (10YR 6/2), ASH MIXED WITH RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-10.0 FT. SAND (SC-SM) BLACK (N1, 0.5-2.0 FT.) DUSKY BROWN (5YR 2/2, 2.0-3.0 FT.), PALE BROWN (5YR 5/2, 3.0-10.0 FT.) FINE-GRAINED, SILTY, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST TO SATURATED, WITH ASH AND SLUDGE.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												▽ 6/6/86
							42.0	10.0			10.0-15.0 FT. SANDSTONE VERY DARK RED (5R 2/6) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-98R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-98R

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							37.0	15.0				
AUGER 5 INCH											BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	AUGER REFUSAL AT 15.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-98R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-206R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9750, E9500	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/16/86	7/16/86	MORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	25.0'	0.0'	25.0'

CORE RECOVERY/FT./%D	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	58.4'	10.0'/48.4'	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/6" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE PSI	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							58.4	0				
							57.8				0.0-0.6': SILTY SAND (SM-SC) MODERATE BROWN (5YR3/4); FINE GRAINED; SOFT; DENSE IN PLACE; CLAY BINDER; NUMEROUS ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							54.9				0.6-3.5': SANDY SILT (ML-CL); DISCONTINUOUS LENSES OF THE FOLLOWING COLORS: WHITE (N9), DARK GREENISH GRAY (5G4/1), BLACK, AND PALE YELLOWISH BROWN (10YR6/2); SOFT; DENSE IN PLACE; CLAY BINDER; FEW ORGANICS; VERY MOIST (SLUDGE?).	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5				
											3.5-18.0': SILTY SAND (SM-SC) SAME AS BETWEEN 0.0-0.6 FT EXCEPT: 3.5-18.0': BLACK; SPECKLED WITH A WHITE CLAYEY MATERIAL; SATURATED DRILL SPOILSAT 10.0 FT; FINE TO MEDIUM GRAINED.	▽ 7/17/86
								10				
								15				
											18.0-25.0': GRAYISH BLACK (N2); FINE TO MEDIUM GRAINED.	
								20				
							33.4	25				
											BOTTOM OF HOLE AT 25.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/10/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-206R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-211R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9555, E9390	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/18/86	7/18/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	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	57.0'	DRY	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 /FOOT 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.
					57.0	0				
AUGER, 6", THROUGHOUT.						5			0.0-9.0': SILTY SAND (SM-SC), FINE TO COARSE GRAINED, MODERATE BROWN (5YR3/4), SPECKLED WITH 0.5-1.0" LENSES OF A WHITE AND LIGHT GRAY (N7-8) CLAYEY MATERIAL, OCCASIONAL PIECES OF RED BRICK (FILL), SOFT, DENSE IN PLACE; CLAY BINDER, NUMEROUS ORGANICS ESPECIALLY IN UPPER 0.5 FT, SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
					48.0	9			BOTTOM OF HOLE AT 9.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/10/86.	• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. AUGER REFUSAL AT 9.0 FT.

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

SITE: MAYWOOD INTERIM STORAGE SITE

HOLE NO.: MISS-211R

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-212R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE	N9475,E9550	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/18/86	7/18/86	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	54.2'	5.0'/49.2'	N/A

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

SAMPLE TYPE AND DIAMETER	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.
							54.2	0				
AUGER, 6", THROUGHOUT.											0.0-10.0': SILTY SAND (SM-SC): FINE GRAINED; SOFT' DENSE IN PLACE; CLAY BINDER; MOIST. 0.0-0.5': GRAY(N6-9)FEW ORGANICS (FILL?) MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5			5.0-8.0': ALTERNATING 0.25-2.5" LENSES OF MODERATE YELLOWISH BROWN (10YR5/4) AND GREENISH GRAY (5G6/1); VERY CLAYEY. SATURATED. 8.0-10.0': GRAYISH BLACK (N2); NUMEROUS ORGANICS; SATURATED.	▽ 7/12/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							44.2	10			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/10/86.	* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. NO GROUND WATER LEVEL OBSERVED 8/10/86.

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

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE	MISS-212R

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	4501-138	1 OF 2	MISS-301S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9720.E9225	17°	S60W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/14/86	7/15/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	57.0'	0.0'	57.0'

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	60.0'	NONE OBSERVED	N/A

SAMPLE HAMMER WEIGHT/FALL	CASING LEFT IN HOLE; DIA./LENGTH	LOGGED BY:
N/A	N/A	P. YEN

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. (1ST 5')	WATER PRESSURE TESTS: PRESSURE P.S.I. (2ND 5')	WATER PRESSURE TESTS: TIME IN MINUTES (3RD 5')	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER 6' THROUGHOUT.							60.0	0			0.0-2.0': SILT (ML); DUSKY BROWN (5YR2/2), RESIDUAL SOIL, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							59.4				2.0-33.0': SAND (SC-SM); DUSKY RED (5R3/4), FINE GRAINED, SILTY, DRY, WITH COBBLES UP TO 6" IN DIAMETER AT 6 FT AND AT 13 FT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA-LOGGING.
								5				GROUND WATER LEVEL MEASURED ON 7/18/86.
								10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								15				
								20				
								25				
								30				
							50.4				33.0-35.0': SILT (ML); MODERATE BROWN (5YR3/4), WITH WHITE SPECKS, DRY, SANDY.	
							49.7	35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-301S

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-301S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40, 45, 50, 55			35.0-57.0': SLUDGE (SILT); VERY LIGHT GRAY TO LIGHT GRAY (N8-N7, 35-38 FT), MEDIUM GRAY TO DARK GRAY (N5-N3, 38-57 FT), SOFT, MOIST, SLIGHTLY PLASTIC.	
							43.3	57.0			BOTTOM OF HOLE AT 57.0 FT.	
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-301S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 3	HOLE NO.: MISS-302S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9715,E9225	ANGLE FROM HORIZ.: 9°	BEARING: S65W		
BEGUN: 7/15/86	COMPLETED: 7/16/86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 47.0'
ROCK (FT.): 33.0'	TOTAL DEPTH: 80'				
CORE RECOVERY(FT.)/%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 64.0'	DEPTH/EL. GROUND WATER: NONE OBSERVED
DEPTH/EL. TOP OF ROCK: 47 FT/56.6 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE/ DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/ LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS/ 6" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE 2ND 5' P.S.I.	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							64.0	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							63.7				0.0-2.0': SILT (ML); DUSKY BROWN (5YR2/2); RESIDUAL SOIL, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5			2.0-47.0': SAND (SC-SM); DUSKY RED (5R 3/4), FINE GRAINED, SILTY, DRY.	GROUND WATER LEVEL MEASURED ON 7/18/86.
								10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								15				
								20				
								25				
								30				
								35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-302S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 3 | HOLE NO. MISS-302S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							56.6	40 45 50 55 60 65 70 75			47.0-80.0': SANDSTONE: DUSKY RED (5R3/4), MODERATELY HARD, SILTY, DRY. SOME SOFT SANDSTONE BELOW 55 FT. LIGHT GRAY (N7) SLUDGE AT 74-80 FT.	

B=SPLIT SPOON ST=SHELBY TUBE; D=DIEDRICH P=PITCHER O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-302S

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	3 of 3	MISS-302S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							51.5	80			BOTTOM OF HOLE AT 80.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-302S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 2	MISS-303S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9755,E9200	10°	S78W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/16/86	7/17/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	39.0'	2.0'	41.0'

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	59.0'	NONE OBSERVED	39.0 FT / 52.2 FT

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/ LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS "N" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I. 2ND 5'	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							59.0	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							58.8				0.0-LO': SILT (ML); MODERATE BROWN (5YR3/4), RESIDUAL SOIL, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5			LO-35.0': SAND (SC-SM); DUSKY RED (5R3/4), FINE GRAINED, SILTY, TRACE OF 1/2" MAFIC ROUNDED GRAVEL AND SANDSTONE FRAGMENTS, DRY.	GROUND WATER LEVEL MEASURED ON 7/18/86.
								10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								15				
								20				
								25				
								30				
							52.9	35				

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

SITE	HOLE NO.
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	MISS-303S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-303S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							52.2				35.0-39.0': SLUDGE (SILT), MEDIUM GRAY (N5), SLIGHTLY PLASTIC, MOIST.	
							51.9	40 41.0			39.0-41.0': SANDSTONE: DUSKY RED (5R3/4), MODERATELY HARD, SILTY, FINE GRAINED, DRY. BOTTOM OF HOLE AT 41.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-303S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-304S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9590,E9290	ANGLE FROM HORIZ.: 10°	BEARING: S58W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/17/86	7/18/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	35.0'	0.0'	35.0'

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	59.0'	NONE OBSERVED	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE 2ND 5' P.S.I.	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							59.0	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							58.8				0.0-1.0': SILT (ML); DUSKY BROWN (5YR2/2), RESIDUAL SOIL, MOIST.	
								5			1.0-35.0': SAND (SC-SM); DUSKY RED (5R3/4), FINE GRAINED, SILTY, SLIGHTLY CLAYEY, DRY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				GROUND WATER LEVEL MEASURED ON 7/18/86.
								15				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								20				
								25				
								30			35.0': CONCRETE ENCOUNTERED AT 35.0 FT, SUSPECT BRIDGE PIER.	
							52.9	35			BOTTOM OF HOLE AT 35.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-304S

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 2	MISS-305S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9500,E9325	22.5°	S60W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/18/86	7/21/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	37.0'	0.0'	37.0'

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	60.0'	DRY	N/A

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

SAMPLE TYPE AND DIAMETER	ELEVATION	DEPTH	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.	60.0	0	0.0-1.0': SILT (ML): MODERATE BROWN (5YR3/4), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
	59.6	1.0	1.0-35.0': SAND (SC-SM): MODERATE BROWN (5YR3/4), FINE GRAINED, SILTY, DRY.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
	46.6	35	35.0-37.0': CLAY (MH-OL): LIGHT GRAY (N7), SLIGHTLY TO MODERATELY PLASTIC, MOIST. ENCOUNTERED CONCRETE AT 37.0 FT, SUSPECT BRIDGE PIER.	

Other column headings (blank): 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-ROUTE 17	MISS-305S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 OF 2 | HOLE NO. MISS-305S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LBS/G IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							45.8	37.0				
											BOTTOM OF HOLE AT 37.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17 | HOLE NO. MISS-305S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-306S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9400, E9400	ANGLE FROM HORIZ.: 23°	BEARING: S55W		
BEGUN: 7/21/86	COMPLETED: 7/21/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 60.0
ROCK (FT.): 0.0	TOTAL DEPTH: 60.0'				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 65.0'	DEPTH/EL. GROUND WATER: DRY
DEPTH/EL. TOP OF ROCK: N/A					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS "N"/PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN (ST. 5' ELEV.)	WATER PRESSURE TESTS: PRESSURE P.S.I. (200 6')	WATER PRESSURE TESTS: TIME IN MINUTES (300 6' MINUTES)	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							65.0	0				
							64.6	1.0			0.0-1.0': SILT (ML); DUSKY BROWN (5YR2/2), RESIDUAL SOIL. MOIST.	
								5			1.0-50.0': SAND (SC-SM); MODERATE BROWN (5YR4/4, 1.0-35.0 FT), LIGHT GRAY (N7, 35.0-50.0 FT), FINE GRAINED, SILTY, DRY TO 35.0 FT, MOIST 35.0-50.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBYRLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								10				
								15				
								20				
								25				
								30				
								35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-306S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 OF 2 | HOLE NO. MISS-306S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							45.5	40 45 50 55 60			BOTTOM OF HOLE AT 60.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-306S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-307S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9290,E9490	ANGLE FROM HORIZ.: 22.5°	BEARING: S46W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/21/86	7/22/86	MORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	30.0'	0.0	30.0'

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	60.0'	DRY	N/A

SAMPLE NUMBER (BOBINT/FALL)	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	P. YEN

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. (INT. 5')	WATER PRESSURE TESTS: PRESSURE P.S.I. (END 5')	WATER PRESSURE TESTS: TIME IN MINUTES (END 5')	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							60.0	0			0.0-30.0': SAND (SC-SM); MODERATE REDDISH ORANGE (10YR6/5, 0.0-25.0 FT), MEDIUM LIGHT GRAY (N6, 25.0-30.0 FT), FINE GRAINED, SILTY, DRY 0.0-25.0 FT, MOIST AND MORE SILTY 25.0-30.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							48.5	30			BOTTOM OF HOLE AT 30.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-307S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP							JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-308S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17			COORDINATES: N9290,E9490				ANGLE FROM HORIZ.: 14°		BEARING: S48W
BEGUN: 7/22/86	COMPLETED: 7/22/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 40.0	ROCK (FT.): 0.0		TOTAL DEPTH: 40.0'
CORE RECOVERY(FT.)/%: N/A		CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 62.0'	DEPTH/EL. GROUND WATER: DRY		DEPTH/EL. TOP OF ROCK: N/A	
SAMPLE HAMMER WEIGHT/FALL: N/A		CASING LEFT IN HOLE; DIA./LENGTH: N/A			LOGGED BY: P. YEN				

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS "N" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 15' @ GPM	WATER PRESSURE TESTS: PRESSURE P.S.I. 2ND 5'	WATER PRESSURE TESTS: TIME IN MINUTES 3RD 5'	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							62.0	0			0.0-40.0': SAND (SC-SM); MODERATE REDDISH ORANGE (10R6/5), FINE GRAINED, SILTY, DRY, BOULDER AT 15.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. CAVING BOULDER AT 15 FT DEPTH BEGAN TO BIND AUGERS WHEN AT 40 FT DEPTH, MAKING FURTHER ADVANCES DIFFICULT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

5 10 15 20 25 30 35

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-308S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-308S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							52.3	40			BOTTOM OF HOLE AT 40.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-308S

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-309S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9225,E9550	ANGLE FROM HORZ.: 22.5°	BEARING: S49W
BEGUN: 7/22/86	COMPLETED: 7/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 40.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 40.0'
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 60.0'	DEPTH/EL. GROUND WATER: DRY	DEPTH/EL. TOP OF ROCK: N/A
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN

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. (1ST 5')	WATER PRESSURE TESTS: PRESSURE P.S.I. (2ND 5')	WATER PRESSURE TESTS: TIME IN MINUTES (3RD 5')	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							60.0	0			0.0-40.0': SAND (SC-SM); DARK REDDISH BROWN (10R3/4), FINE GRAINED, SILTY, DRY, SANDSTONE FRAGMENTS AND CRUSHED BASALT (< 2 INCHES) AT 20-30 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. ROUGH DRILLING AT 20-30 FT DUE TO ROCK FRAGMENTS, SMOOTH DRILLING 30-40 FT. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								5				
								10				
								15				
								20				
								25				
								30				
								35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-309S

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 OF 2	MISS-309S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							44.7	40			BOTTOM OF HOLE AT 40.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

S=SPLIT SPOON ST=SHELBY TUBE D=DENNISON P=PITCHER O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-309S

BECHTEL

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-310S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9070,E9725	27°	S30W

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-80	6"	30.0'	0.0'	30.0'

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	53.0'	DRY	N/A

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

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.
							53.0	0				
AUGER, 6", THROUGHOUT.								0–20			0.0-20.0': SAND (SC-SM); DUSKY BROWN (5YR2/2), FINE GRAINED, SILTY, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							43.9	20			20.0-25.0': SILT (ML); MEDIUM GRAY (N5), SANDY, MOIST, CONTAINS SLUDGE.	
							41.7	25			25.0-30.0': SAND (SC-SM); DUSKY BROWN (5YR2/2, 25-28.0 FT), BLACKISH RED (5R2/3, 28-30.0 FT), FINE GRAINED, SILTY, SATURATED. POSSIBLE SANDSTONE CONTACT AT 30.0 FT.	AUGER REFUSAL AT 30.0 FT.
							39.4	30			BOTTOM OF HOLE AT 30.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER	SITE	HOLE NO.
	MAYWOOD INTERIM STORAGE SITE-ROUTE 17	MISS-310S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-311S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9070,E9725	ANGLE FROM HORIZ.: 18°	BEARING: S30W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
7/23/86	7/24/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	35.0	0.0	35.0'

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	54.0'	DRY	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLED ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN (FT. @ G.P.M.)	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DRILLED DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							54.0	0				
							53.8				0.0-0.5': SILT (ML), DUSKY BROWN (5YR2/2), RESIDUAL SOIL, MOIST.	
											0.5-5.0': ASH AND SILT (ML), VERY LIGHT GRAY (N8), ASH AND SILT, SOFT, SLIGHTLY MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							52.5	5			5.0-15.0': SILT AND SLUDGE (ML), MEDIUM GRAY (N5), SOFT, SLIGHTLY MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				GROUND WATER LEVEL MEASURED ON 7/25/86.
							49.4	15			15.0-30.0': SAND (SC-SM); BLACK (N1), MEDIUM GRAINED, SILTY, GRAVELLY, MOIST.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								20				
								25				
							44.7	30			30.0-35.0': GRAVEL (GM), BLACK (N1), SANDY, 1" DIA, SUBROUNDED, MOIST.	
											BOTTOM OF HOLE AT 35.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	
							43.2	35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-311S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-312S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N8975,E9880	ANGLE FROM HORIZ.: 16°	BEARING: S38W		
BEGUN: 7/24/86	COMPLETED: 7/25/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 35.0'
ROCK (FT.): 3.0'	TOTAL DEPTH: 38.0'				
CORE RECOVERY(FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 50.0'	DEPTH/EL. GROUND WATER: 10/47.2
DEPTH/EL. TOP OF ROCK: 35/40.4 FT.					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE; DIA./LENGTH: N/A	LOGGED BY: P.YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I. 2ND 5'	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							50.0	0				
							49.9				0.0-0.5': SILT (ML), DUSKY BROWN (5YR2/2), RESIDUAL SOIL, MOIST.	
								5			0.5-35.0': SAND (SC-SM); DUSKY RED (5R3/4), MEDIUM GRAINED, WITH SILT, FINE GRAINED SAND, AND GRAVEL (1/2", SUBROUNDED), PERCENTAGE OF GRAVEL INCREASES TO 20% AT 32 FT, SLIGHTLY WET AT 32 FT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				▽ 7/25/86
								15				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								20				
								25				
								30				
							40.4	35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-312S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 OF 2 | HOLE NO. MISS-312S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							39.5	38.0			35.0-38.0'; SANDSTONE, DUSKY RED (5R3/4), SOFT TO MODERATELY HARD, SILTY, WEATHERED, WET.	AUGER REFUSAL OBTAINED.
											BOTTOM OF HOLE AT 38.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

SS=SPLIT SPOON; ST=SHELBY TUBE; [illegible]

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-312S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 2	MISS-313S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9025,E9790	14°	S38W

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-80	6"	52.0'	0.0'	52.0'

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	53.0'	40/42.3	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS "N" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN (61 S.) G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I. (280 S.)	WATER PRESSURE TESTS: TIME IN (300 S.) MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							53.0	0			0.0-5.0': SILT (ML), DUSKY BROWN (5YR2/2), AND WHITE (N9), RESIDUAL SOIL AND ASH, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							51.8	5			5.0-52.0': SAND (SC-SM); DUSKY RED (5R3/4, 5-15 FT), GRAYISH BROWN (5YR3/2, 15-45 FT), DARK GRAY (N3, 45-52 FT), FINE TO MEDIUM GRAINED, SILTY, CONTAINS A TRACE OF GRAVEL (1" ROUNDED) AT 5-15 FT. BECOMES COARSE SAND AT 15-45.0 FT, BECOMES SATURATED AT 40-45.0 FT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				
								15				
								20				
								25				
								30				
								35				

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-313S

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 OF 2 | HOLE NO. MISS-313S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FT PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40				▽ 7/30/86
								45				
								50				
							40.4	52.0			BOTTOM OF HOLE AT 52.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/30/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-313S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-314S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9344,E9444	ANGLE FROM HORIZ.: 15°	BEARING: S52W		
BEGUN: 7/29/86	COMPLETED: 7/29/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	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.: 60.0'	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: P. YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PENCOAST CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GAL/MIN	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							60.0	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							59.9				0.0-0.5': SILT (ML), DUSKY BROWN (5YR2/2), RESIDUAL SOIL.	
								5			0.5-9.0': SAND (SC-SM); DUSKY RED (5R 3/4), FINE GRAINED, SILTY, WITH SANDSTONE COBBLES, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							57.7	9.0			9.0-10.0': CONCRETE, LIGHT GRAY ON7, HARD.	GROUND WATER LEVEL MEASURED ON 7/30/86.
							57.4	10			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/30/86.	*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-314S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-315S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9345,E9445	ANGLE FROM HORIZ.: 12°	BEARING: S54W		
BEGUN: 7/29/86	COMPLETED: 7/29/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 51.0
ROCK (FT.): 0.0	TOTAL DEPTH: 51.0'				
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.0'	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: P.YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" / 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.					59.0	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
					58.9	0.5			0.0-0.5': SILT (ML), DUSKY BROWN (5YR2/2), RESIDUAL SOIL.	
									0.5-51.0': SAND (SC-SM), DUSKY RED (5R 3/4, 0.5-16.0') MODERATE BROWN (5YR 3/4, 16-45.0'), MEDIUM GRAY (N5, 45-51.0') FINE GRAINED, DRY, SILTY WITH SANDSTONE COBBLES (0.5-16.0')	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
						5			SILTY WITHOUT COBBLES (16.0-45.0') FINE TO MEDIUM GRAINED (45-51.0')	GROUND WATER LEVEL MEASURED ON 8/15/86.
						10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
						15				
						20				
						25				
						30				
						35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-315S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-155	2 of 2	MISS-315S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS W PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE P.S.I	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							48.4	40 45 50 51			BOTTOM OF HOLE AT 51.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/15/86.	

SS-SPLIT SPOON ST-SHELBY TUBE, D-DIAMOND, P-PITCHER, O-OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-315S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 3	MISS-316S

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9425,E9231	15°	N53E

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/6/86	8/6/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	80.0	0.0	80.0'

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	53.7'	NONE OBSERVED	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE 2ND 5' P.S.I.	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLES	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							53.7	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							53.6				0.0-0.5': SILT (ML), MODERATE BROWN (5YR4/4), RESIDUAL SOIL, MOIST.	
								5			0.5-80.0': SAND (SC-SM), MODERATE BROWN (5YR3/4) FINE TO MEDIUM GRAINED, SILTY, CONTAINS GRAVEL AND SANDSTONE FRAGMENTS AT 20-22 FT, DRY TO MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				GROUND WATER LEVEL MEASURED ON 8/15/86.
								15				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								20				
								25				
								30				
								35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-316S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 3 | HOLE NO. MISS-316S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40				
								45				
								50				
								55				
								60				
								65				
								70				
								75				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-316S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	3 of 3	MISS-316S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS TO PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							33.0	80			BOTTOM OF HOLE AT 80.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/15/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-316S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-317S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9680,E9075	ANGLE FROM HORIZ.: 21°	BEARING: N8BE
BEGUN: 8/7/86	COMPLETED: 8/7/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 50.0	ROCK (FT.): 0.0	TOTAL DEPTH: 50.0'
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 58.6'	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: P. YEN

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE / LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS "N" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' G.P.M.	WATER PRESSURE TESTS: PRESSURE 2ND 5' P.S.I.	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							58.6	0				SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							58.4	0.5			0.0-0.5': SILTY GRAVEL, DUSKY BROWN (5YR2/2), RESIDUAL SOIL.	
											0.5-50.0': SAND (SC-SM): DUSKY RED (5R3/4, 0.5-20.0 FT), MEDIUM LIGHT GRAY (N6, 40-45.0 FT), MODERATE BROWN (5YR4/4, 45-50.0 FT) FINE GRAINED, SILTY, DRY, WITH COBBLES AT 20-23.0 FT, SLUDGE AT 40-45.0 FT, MEDIUM GRAINED AT 45-50 FT.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5				GROUND WATER LEVEL MEASURED ON 9/5/86.
								10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								15				DRILLING RESISTANCE AT 20-23.0 FT.
								20				
								25				
								30				
								35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-317S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 of 2 | HOLE NO. MISS-317S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40				
								45				
							40.6	50			BOTTOM OF HOLE AT 50.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT. 9/5/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-317S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-318S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9080,E9550	ANGLE FROM HORIZ.: 20°	BEARING: N60W
BEGUN: 8/8/86	COMPLETED: 8/8/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 67.0	ROCK (FT.): 0.5	TOTAL DEPTH: 67.5'
CORE RECOVERY (FT./%): N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 55.6'	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: 67/32.7
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: 3"/67	LOGGED BY: P.YEN

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE BLOWS "N", PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' GPM	WATER PRESSURE TESTS: PRESSURE 2ND 5' P.S.I	WATER PRESSURE TESTS: TIME IN 3RD 5' MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							55.6	0			0.0-30.0': SAND (SP-SM-SC), VERY DARK RED (5R2/6, 0-30 FT) FINE GRAINED, SILTY, WITH OCCASIONAL COBBLES, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 8/19/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								5				
								10				
								15				
								20				
								25				
							45.3	30			30.0-35.0': SILT (ML), WHITE (N9) SANDY, WITH SLUDGE, MOIST.	
							43.6	35				

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-318S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP | JOB NO. 14501-138 | SHEET NO. 2 OF 2 | HOLE NO. MISS-318S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/FOOT OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40			35.0-67.5': SAND (SP-SM-SC), DUSKY RED (5R3/4) FINE TO MEDIUM GRAINED, SILTY, WITH F GRAVEL, (5%), DRY TO MOIST (35-60 FT), SATURATED (60-67.0) FT.	
								45				
								50				
								55				
								60				
								65				
							32.7 32.5	67.5			67.0-67.5' SANDSTONE DUSKY RED (5R 3/4) MODERATELY HARD, SILTY, WEATHERED SATURATED.	AUGER REFUSAL OBTAINED.
											BOTTOM OF HOLE AT 67.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT (CASING AND ANNULUS), 8/19/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-318S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 3	HOLE NO.: MISS-319S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9305,E9345	ANGLE FROM HORIZ.: 8°	BEARING: N51W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/11/86	8/12/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	80.0'	0.0	80.0'

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	56.2'	NONE OBSERVED	N/A

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/ LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS/6" OR % PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN GPM	WATER PRESSURE TESTS: PRESSURE PSI	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							56.2	5 10 15 20 25 30 35			0.0-80.0': SAND (SC-SM); PALE BROWN (5YR5/2, 0-20 FT.) MEDIUM GRAY (N5), LIGHT GRAY (N7), AND PALE YELLOWISH BROWN (10YR6/2), AT 20-80 FT. FINE TO MEDIUM GRAINED, SILTY, MOIST, WITH LAYERS OF SLUDGE, 20-80.0 FT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 8/19/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17 — HOLE NO.: MISS-319S

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 3	MISS-319S

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED, LENGTH CORE RUN	SAMPLE RECOVERY / CORE RECOVERY	SAMPLE BLOWS / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								35				
								40				
								45				
								50				
								55				
								60				
								65				
								70				
								75				

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

SITE: HAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-319S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	3 of 3	MISS-319S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							45.1	80			BOTTOM OF HOLE AT 80.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-319S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-320S		
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9304,E9341	ANGLE FROM HORIZ.: 30°	BEARING: N52W		
BEGUN: 8/12/86	COMPLETED: 8/12/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-80	HOLE SIZE: 6"	OVERBURDEN (FT.): 28.0'
ROCK (FT.): 4.0'	TOTAL DEPTH: 32.0'				
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 59.0'	DEPTH/EL. GROUND WATER: NONE OBSERVED
DEPTH/EL. TOP OF ROCK: 28.0 FT/45.0 FT					
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEN			

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS/6" / PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M. AT 0"	WATER PRESSURE TESTS: PRESSURE P.S.I. AT 28ft	WATER PRESSURE TESTS: TIME IN MINUTES AT 28ft	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							59.0	0			0.0-5.0': SILT (ML); MODERATE BROWN (5YR4/4), SANDY, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							56.5	5			5.0-28.0': SAND (SC-SM); MEDIUM GRAY (N5), SOFT FINE TO MEDIUM GRAINED, SILTY, DRY TO MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								10				GROUND WATER LEVEL MEASURED ON 8/19/86.
								15				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								20				
								25				
							45.0				28.0-32.0': SANDSTONE; DUSKY RED (5R3/4) SOFT TO MODERATELY HARD, FINE GRAINED, SILTY, WEATHERED, MOIST.	
								30				
							43.0	32				
											BOTTOM OF HOLE AT 32.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.	
								35				

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-320S

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 2	HOLE NO.: MISS-321S
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9210,E9435	ANGLE FROM HORIZ.: 20°	BEARING: N55W

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/13/86	8/13/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	50.0'	0.0'	50.0'

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	55.2'	NONE OBSERVED	N/A

SAMPLE NUMBER WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH	LOGGED BY:
N/A	N/A	P.YEN

SAMPLE TYPE AND DIAMETER	BARREL ADVANCE/ LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOWS/ PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN G.P.M. (1ST 5')	WATER PRESSURE TESTS: PRESSURE P.S.I. (2ND 5')	WATER PRESSURE TESTS: TIME IN MINUTES (3RD 5')	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
AUGER, 6", THROUGHOUT.							55.2	0			0.0-25.0': SILT (ML); MODERATE BROWN (5YR4/4), SANDY, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BE EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 8/19/86. •DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							46.6	25			25.0-50.0': SAND (SC-SM); MEDIUM GRAY (N5), FINE GRAINED, SILTY, DRY.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-321S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	2 of 2	MISS-321S

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.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
								40				
								45				
							38.1	50			BOTTOM OF HOLE AT 50.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.	

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-321S

045933

GEOLOGIC DRILL LOG

PROJECT	JOB NO.	SHEET NO.	HOLE NO.
FUSRAP	14501-138	1 OF 1	MISS-322R

SITE	COORDINATES	ANGLE FROM HORIZ.	BEARING
MAYWOOD INTERIM STORAGE SITE-ROUTE 17	N9047,E9526	90°	N/A

BEGUN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH
8/14/86	8/14/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33	6"	13.0'	3.0'	16.0'

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	58.2'	NONE OBSERVED	13'/45.2'

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

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE: LENGTH CORE RUN	SAMPLE RECOVERY: CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN 1ST 5' (GPM)	WATER PRESSURE TESTS: PRESSURE 2ND 5' (P.S.I.)	WATER PRESSURE TESTS: TIME IN 3RD 5' (MINUTES)	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	REMARKS (WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.)
AUGER, 6", THROUGHOUT.							58.2	0			0.0-3.0': SILT (ML); GRAYISH BROWN (5YR3/2), SANDY, DRY TO MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							55.2	3.0			3.0-12.0': SAND (SP-SC-SM), DUSKY RED (5R3/4, 3-10.0 FT), DARK GRAY (N3, 10-12 FT), SOFT, SILTY, OCCASIONAL ROCK FRAGMENTS AND F ROUNDED GRAVELS AT 5.0 FT, DRY TO MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5				GROUND WATER LEVEL MEASURED ON 9/5/86.
								10				DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							46.2	12				
							45.2	13			12.0-13.0': SILT (ML), GRAY (N5), CONTAINS SLUDGE, MOIST.	
											13.0-16.0': SANDSTONE, DUSKY RED (5R3/4) SOFT TO MODERATELY HARD, DRY, WEATHERED.	
							42.2	15 16				AUGER REFUSAL OBTAINED.
											BOTTOM OF HOLE AT 16.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 9/5/86.	

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

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-322R

045933

GEOLOGIC DRILL LOG

PROJECT: FUSRAP	JOB NO.: 14501-138	SHEET NO.: 1 OF 1	HOLE NO.: MISS-323R
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17	COORDINATES: N9021,E9651	ANGLE FROM HORIZ.: 90°	BEARING: N/A
BEGUN: 8/14/86	COMPLETED: 8/14/86	DRILLER: MORE TRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL: MOBILE B-33
HOLE SIZE: 6"	OVERBURDEN (FT.): 13.0'	ROCK (FT.): 2.0'	TOTAL DEPTH: 15.0'
CORE RECOVERY/FT./%: N/A	CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A
GROUND EL.: 57.3	DEPTH/EL. GROUND WATER: NONE OBSERVED	DEPTH/EL. TOP OF ROCK: 13/44.3	
SAMPLE HAMMER WEIGHT/FALL: N/A	CASING LEFT IN HOLE: DIA./LENGTH: N/A	LOGGED BY: P.YEH	

SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/CORE RECOVERY	SAMPLE BLOWS "N" PERCENT CORE RECOVERY	WATER PRESSURE TESTS: LOSS IN FT. @ P.S.I.	WATER PRESSURE TESTS: PRESSURE P.S.I.	WATER PRESSURE TESTS: TIME IN MINUTES	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
							57.3	0				
AUGER, 6", THROUGHOUT.							56.8				0.0-0.5': SILT (ML) GRAYISH BROWN (5YR3/2), SANDY, DRY, RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
											0.5-13.0': SAND (SP-SM-SC), MODERATE BROWN (5YR4/4), VERY SILTY, CONTAINS COBBLES, P ROUNDED GRAVELS, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5				GROUND WATER LEVEL MEASURED ON 9/5/86.
								10				*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							44.3	13			13.0-15.0': SANDSTONE DUSKY RED (5R3/4), SOFT TO MODERATELY HARD, SILTY, WEATHERED, MOIST TO WET.	AUGER REFUSAL OBTAINED.
							42.3	15				
											BOTTOM OF HOLE AT 15.0 FT.	
											BACKFILLED WITH CEMENT-BENTONITE GROUT, 9/5/86.	

SS=SPLIT SPOON; ST=SHELBY TUBE; P=PISTON; O=OTHER

SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.: MISS-323R