
Formerly Utilized Sites Remedial
Action Program (FUSRAP)

Maywood Chemical Company Superfund Site

ADMINISTRATIVE RECORD

Document Number

MISS- 024.



**US Army Corps
of Engineers®**

045933

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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,


J. R. Kannard
Project Manager - FUSRAP

TMD/gmt

cc: S.W. Ahrends
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CONCURRENCE

<i>Jmd</i>	<i>CR</i>	<i>BB</i>		
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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

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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 yd³ 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.

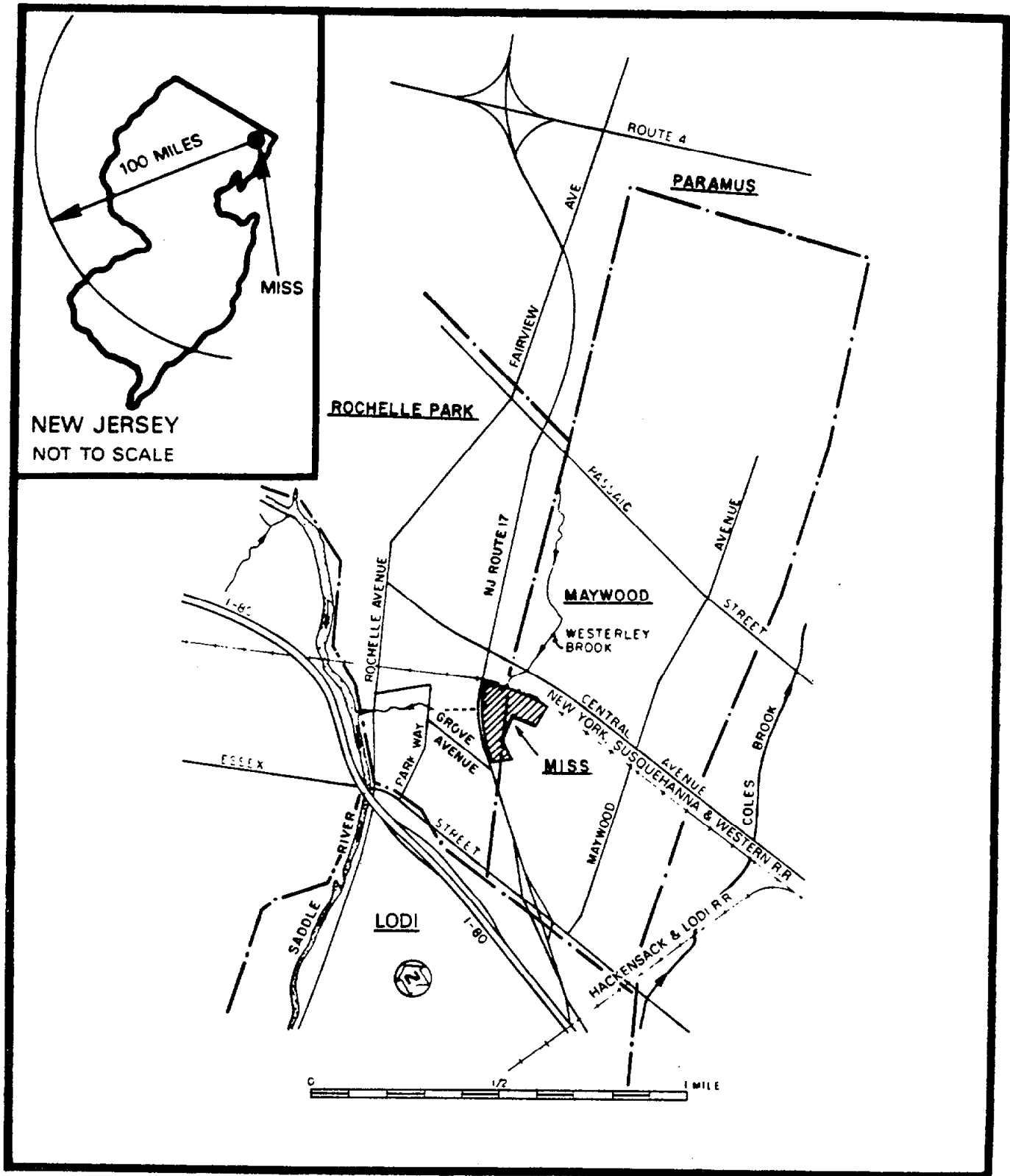


FIGURE 2-1 LOCATION OF THE MISS

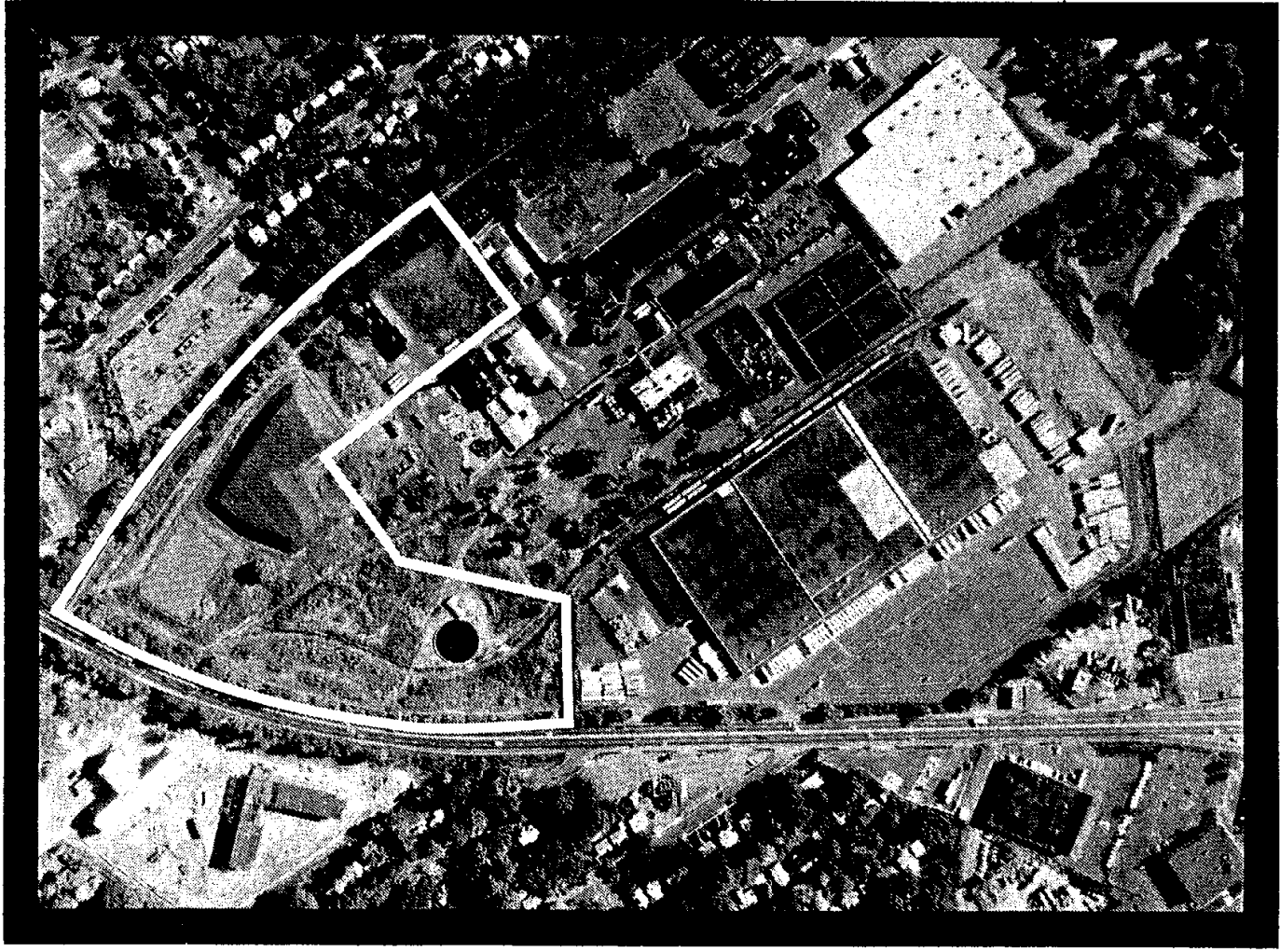


FIGURE 2-2 AERIAL VIEW OF THE MISS AND ITS VICINITY

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 yd³ 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 yd³ 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 yd³ 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 yd³) 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-mi² 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 yd³ 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

Page 1 of 2

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)

<u>Radionuclide</u>	<u>Soil Concentration (pCi/g) above background^{a,b,c}</u>
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 μ R/h.

Indoor/Outdoor Structure Surface Contamination

<u>Radionuclide^f</u>	<u>Allowable Surface Residual Contamination^e</u> (dpm/100 cm ²)		
	<u>Average^{g,h}</u>	<u>Maximum^{h,i}</u>	<u>Removable^{h,j}</u>
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)

Page 2 of 2

Indoor/Outdoor Structure Surface Contamination (continued)

<u>Radionuclide^f</u>	<u>Allowable Surface Residual Contamination^e</u> (dpm/100 cm ²)		
	<u>Average^{g,h}</u>	<u>Maximum^{h,i}</u>	<u>Removable^{h,j}</u>
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

^aThese 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.

^bThese guidelines represent unrestricted-use residual concentrations above background averaged across any 15-cm-thick layer to any depth and over any contiguous 100-m² surface area.

^cLocalized concentrations in excess of these limits are allowable provided that the average over a 100-m² area is not exceeded.

^dA 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.

^eAs 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.

^fWhere surface contamination by both alpha- and beta-gamma-emitting radionuclides exists, the limits established for alpha- and beta-gamma-emitting radionuclides should apply independently.

^gMeasurements of average contamination should not be averaged over more than 1 m². For objects of less surface area, the average shall be derived for each such object.

^hThe 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.

ⁱThe maximum contamination level applies to an area of not more than 100 cm².

^jThe amount of removable radioactive material per 100 cm² 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 cm² 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.

- o 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.
- o Protective Clothing/Equipment - Subcontractor personnel are required to wear the protective clothing/equipment specified in the subcontract or as directed by the BNI representative.
- o Dosimetry - Subcontractor personnel are required to wear, and return daily, the dosimeters and monitors issued by BNI.
- o 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.
- o 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).

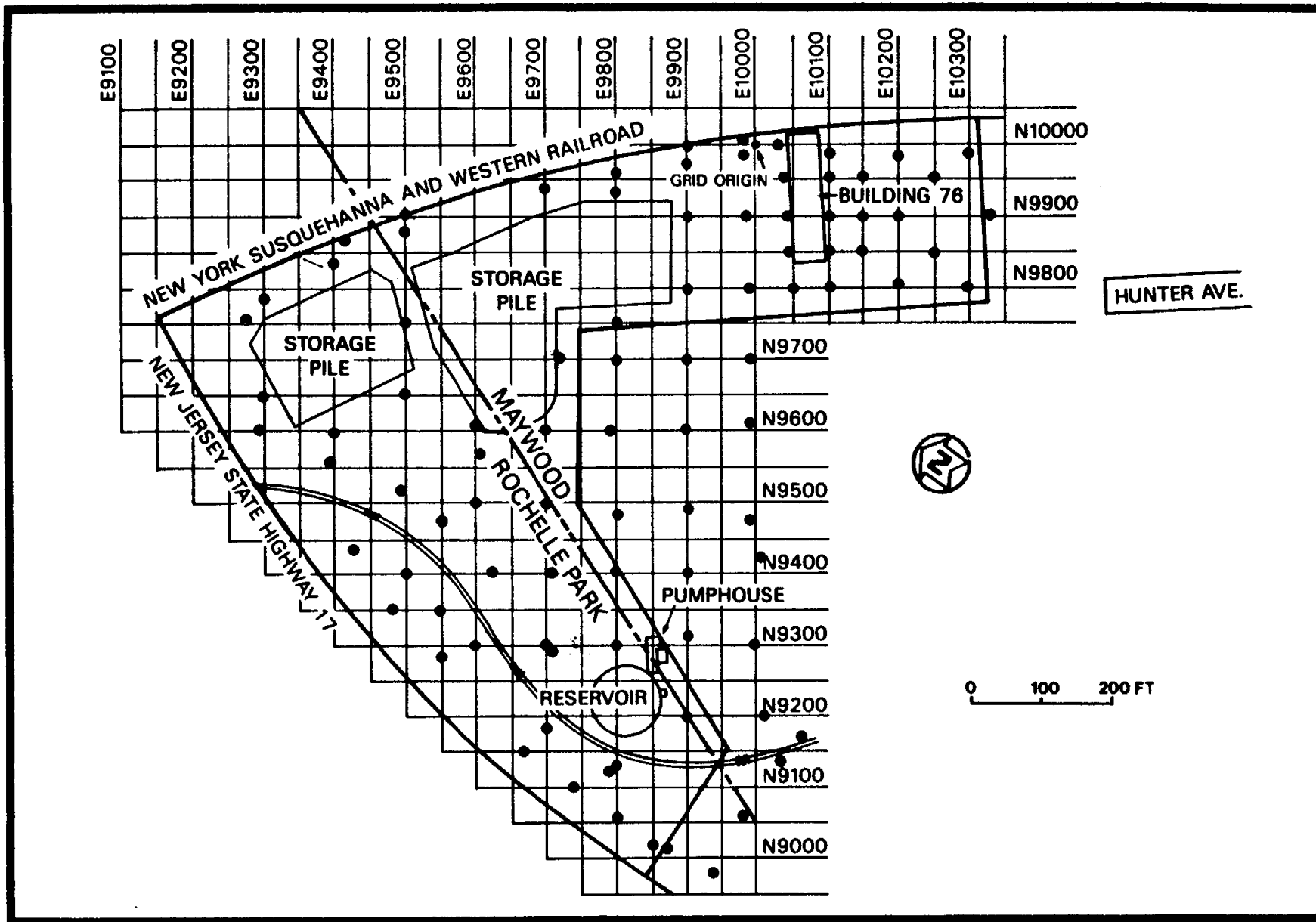


FIGURE 4-1 GRID AND BOREHOLE LOCATIONS AT THE MISS

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

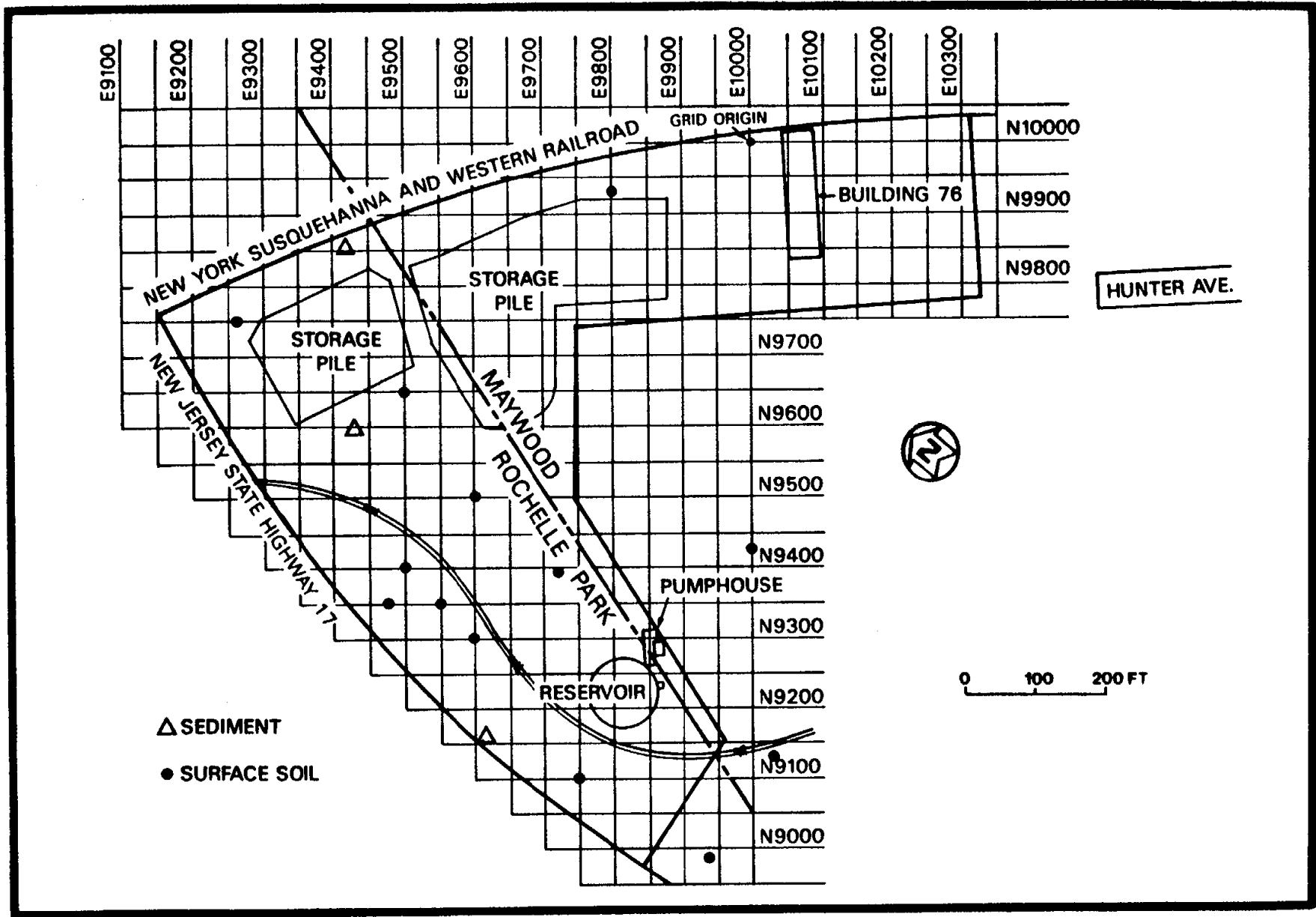


FIGURE 4-2 SURFACE SOIL AND SEDIMENT SAMPLE LOCATIONS AT THE MISS

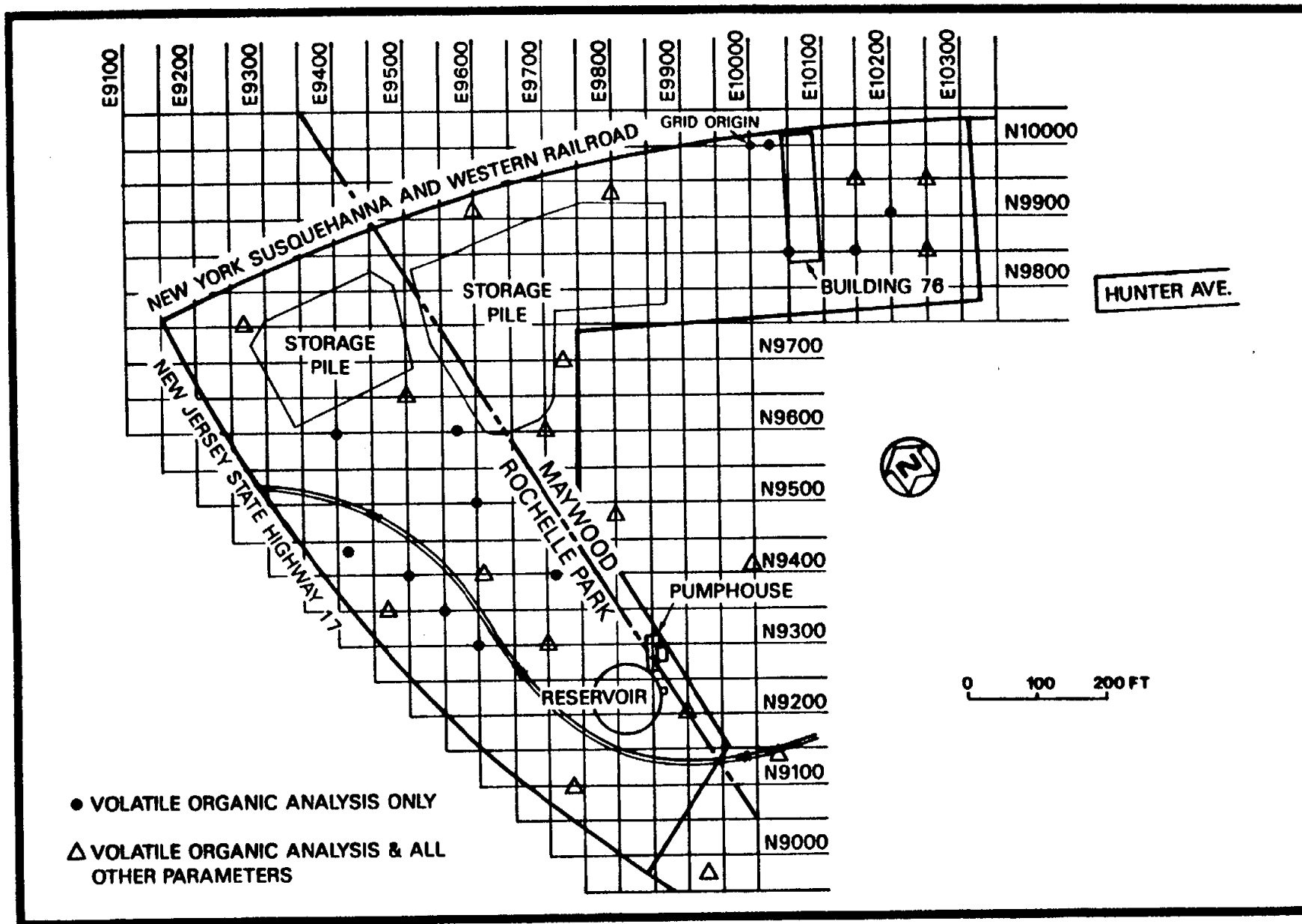


FIGURE 4-3 SUBSURFACE SOIL AND CHEMICAL SAMPLE LOCATIONS AT THE MISS

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 yd² (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.

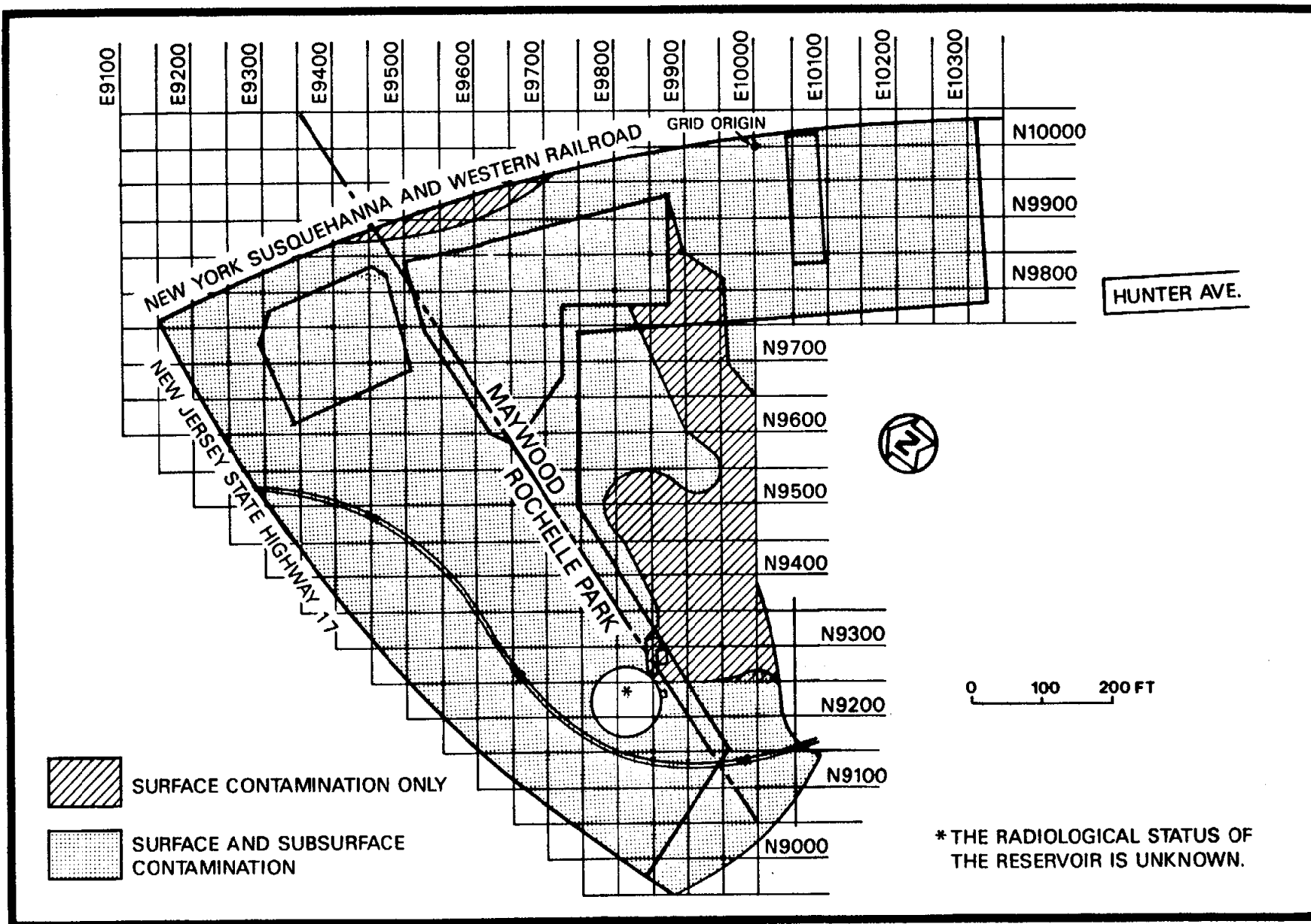


FIGURE 5-1 AREAS OF SURFACE AND SUBSURFACE CONTAMINATION AT THE MISS

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

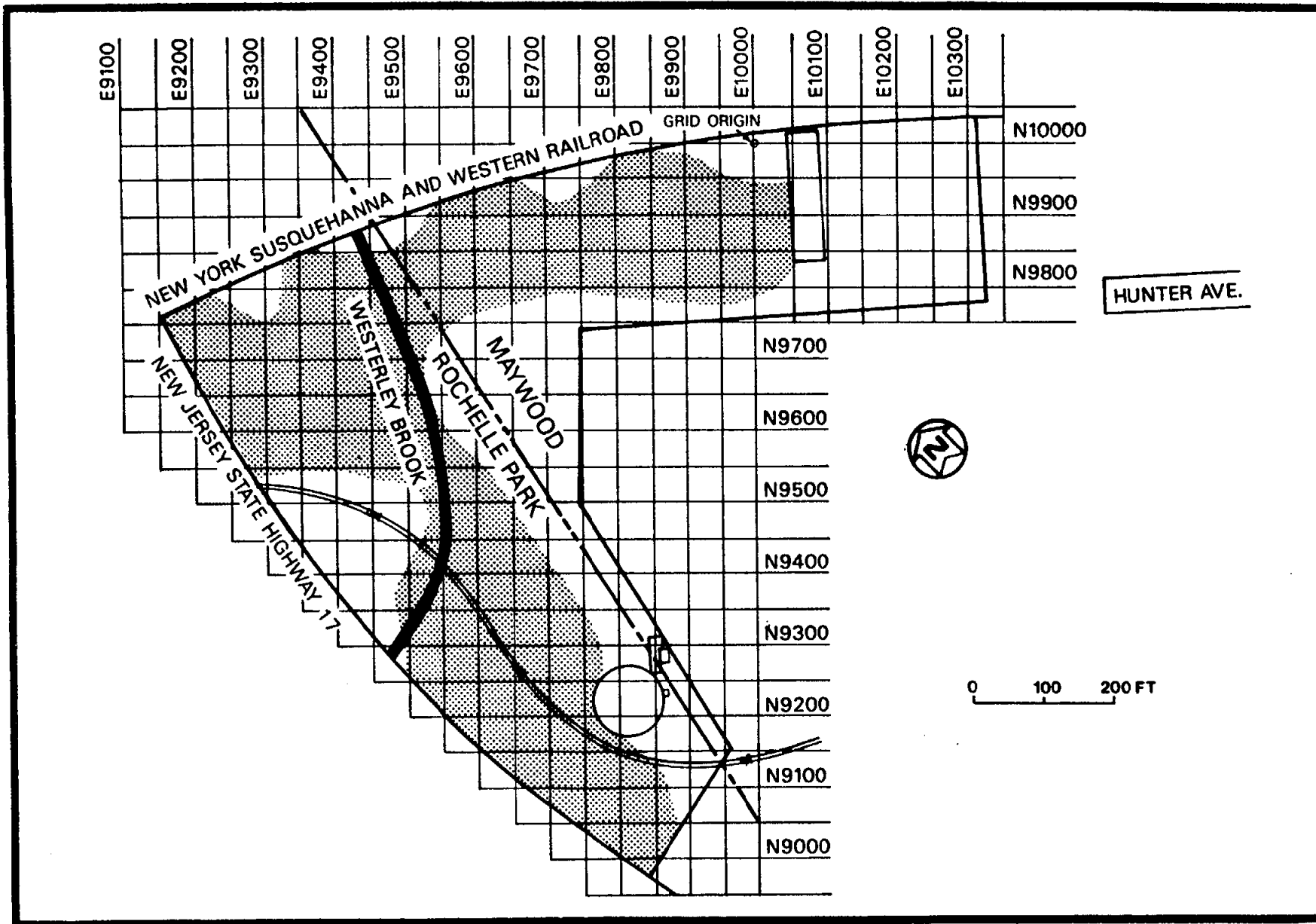


FIGURE 5-2 GENERAL LOCATION OF FORMER SWAMPY AREA AND ORIGIN OF STREAM CHANNEL AT THE MISS

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; methylcyclopentanone, 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 samples 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		Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S	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		Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S	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

Page 1 of 55

<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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<u>Grid Coordinates</u>		<u>Depth (ft)</u>	<u>Counts per Minute</u>
<u>E,W</u>	<u>N,S</u>		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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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<u>Grid Coordinates</u>		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> <u>per Minute</u>
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> <u>per Minute</u>
<u>E,W</u>	<u>N,S</u>		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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Grid Coordinates		Depth (ft)	Counts per Minute
E,W	N,S		
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)

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<u>Grid Coordinates</u>		<u>Depth</u> (ft)	<u>Counts</u> per Minute
<u>E,W</u>	<u>N,S</u>		
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

Page 1 of 7

Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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)

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Grid Coordinates		Depth (ft)	Concentrations (pCi/g +/- 2 sigma) ^a		
E,W	N,S		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
Butylbenzylphthalate	-	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

Page 1 of 3

	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)

Page 2 of 3

	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 - 677 258 260 790	N9420, E10005 N9850, E10250 N9950, E10150 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 - 100 167	N9850, E10250 N9950, E10250
Nickel	5 - <73	NA	40 (10-1000)	0	NA
Thallium	<5 - 744	NA	0.1	19 - <5 12 <6 6 <12 12 66 644	N8980, E9930 N9100, E9740 N9135, E10035 N9200, E9900 N9300, E9700 N9350, E9475 N9400, E9615 N9420, E10005

TABLE 5-6
(continued)

Page 3 of 3

	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



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			N9700 E9900			90		N/A						
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)						
4-30-86	4-30-86	MORETRENCH ENVIRONMENTAL SERVICE		MOBILE B-40L		6 IN.	8.5	2.0						
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	57.9 FT.	3/54.9 FT.		8.5/49.4 FT.						
SAMPLE NUMBER IDENT./ALL			CASING LEFT IN HOLE (OD/LNGTH)			LOGGED BY:								
N/A			N/A			P.YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLANK	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	DRIVING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN S.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
								57.9						
								57.4	0.5			0-0.5 FT. SAND (SM-SC) MODERATE BROWN (SYR 4/2) VERY FINE GRAINED WITH SOME CLAYEY SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 4/30/86	
												0.5 - 8.5 FT. SILT (ML) DUSKY BROWN (SYR) 2/2 SOFT WITH SAND, CLAY AND GRAVEL MOIST.		
								49.4	8.5			8.5-10.5 FT. SANDSTONE PALE BROWN (SYR 5/2) TO VERY DARK RED (SR 2/6) SOFT TO MODERATE HARDNESS WITH FINE SILTY SAND AND ROCK FRAGMENTS, WEATHERED.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	
								47.4	10.5					
													BOTTOM OF HOLE AT 10.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.	ALGER REFUSAL DEPTH AT 10.5 FT.

SD-SPLIT SPOON ST-SHELBY TUBE
D-DICKINSON PATCHER D-DTHER

SITE MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-IR



045933

GEOLOGIC DRILL LOG				PROJECT FUSRAP		JOB NO. M501-138	SHEET NO. 1 OF 1	HOLE NO. M55-2R					
SITE MAYWOOD INTERIM STORAGE SITE			COORDINATES N8000 E9900			ANGLE FROM HORIZ. 90		BEARING N/A					
BEGAN 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/VEL. GROUND WATER 5/54.9 FT.	DEPTH/VEL. TOP OF ROCK 8.0/54.9 FT.						
SAMPLE BANNER 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 BLOBS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
AUGER 6 IN.							59.9						
							59.4	0.5				0-0.5 FT. SAND (SC-SM) MODERATE BROWN (SYR 4/2) VERY FINE-GRAINED WITH SOME CLAYEY SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. <div style="text-align: center;"> 4/30/86 </div>
							51.9	5.0			0.5-8.0 FT. SILT (ML-CL) GRAYISH BROWN (SYR 3/2) TO DUSKY BROWN (SYR 2/2) WITH SOME CLAY AND GRAVEL. 2.0-4.0 GRADES TO CLAYEY SILT WHITE (NS) TO VERY LIGHT GRAY (NG), VERY MOIST, PLASTIC, SOFT. 4.0-5.5 BLACK (ND) TO GRAYISH BLACK (N2), MOIST, LOOSE.		
							46.9	13.0			8.0-13.0 FT. SANDSTONE DUSKY BROWN (SYR 2/2) TO BLACKISH RED (SYR 2/2), SILTY, SOFT TO MODERATE HARDNESS; WEATHERED.		
BOTTOM OF HOLE AT 13.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/86.										AUGER REFUSAL DEPTH AT 13.0 FT.			
SS=SPLIT SPOON ST=SHELLY TUBE; D=DIAMETER P=PISTON OTHER				SITE MAYWOOD INTERIM STORAGE SITE				HOLE NO. M55-2R					



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138	1 of 2	MSS-3R					
SITE				COORDINATES			ANGLE FROM HORIZ.	BEARING					
MAYWOOD INTERIM STORAGE SITE				N9900 E9900		90		N/A					
BEGIN	COMPLETED	DRILLER	MORE TRENCH	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
4-30-86	4-30-86	ENVIRONMENTAL SERVICE		MOBILE B-40L	6 IN.	12.0	3.0	5 FT.					
CORE RECOVERY (T/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	61.4 FT.	3/58.4 FT.		12.0/49.4 FT.					
SAMPLE BARREL WEIGHT/FALL			CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY:							
N/A			N/A			P.YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 IN.							61.4						
							60.9	0.5			0-0.5 FT. SAND (SM-SC) MODERATE BROWN (SYR 4/2), VERY FINE-GRAINED WITH SOME SILT.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 4/30/86	
											0.5-12.0 FT. SILT (ML) BROWNISH BLACK (SYR 2/0), SOFT, SANDY, MOIST.		
											5.0-12.0 FT. GRAYISH BLACK (M2) WITH SLIGHT SULFIDE ODOR.		
							49.4	12.0				12.0-15.0 FT. SANDSTONE BLACKISH RED (SR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON ST-SHELBY TUBE;
 DR-DRENNON; PHPT-PHPT; DR-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO. MSS-3R



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
						FLSRAP	14501-138	2 of 2	MISS-3R		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	WATER TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.F.						
						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-CHERRY TINE D-DIBSON P-PITCHER O-OTHER						SITE MAYWOOD INTERIM STORAGE SITE			HOLE NO. MISS-3R		



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138	1 of 2	MISS-4R					
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE			N9980 E9900			90		N/A					
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
4-30-86	4-30-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		6 IN	21.5	3.5	25.0 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	60.2 FT	5/55.2 FT.		21.5/38.7 FT					
SAMPLE BARRIER 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 BLOTS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES						
AUGER 6 IN								60.2					
								59.7	0.5			0-0.5 FT. SAND (SM-SC) GRAYISH BROWN (SYR 3/2), FINE-GRAINED, LOOSE, SILTY, WITH SOME GRAVEL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												0.5-21.5 FT. SILT (ML) DUSKY BROWN (SYR 2/2) TO BROWNISH BLACK (SYR 2/1), SOFT, SANDY, SLIGHTLY CLAYEY, MOIST	
												2.0-4.0 FT. WHITE (N9) TO VERY LIGHT GRAY (N8), VERY SOFT, MOIST.	
									5.0				
									10.0				

4/30/86

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS

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

NOTE MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-4R



045933

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 PER CENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 IN.													
							38.7	21.5			21.5-25.0 FT. SANDSTONE VERY DUSKY RED (SR 2/2) TO VERY DARK RED (SR 2/6). SOFT TO MODERATE HARDNESS, SILTY, WET		
							35.2	25.0			BOTTOM OF HOLE AT 25.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 4/30/85.	AUGER REFUSAL NOT OBTAINED.	
SS-SPLIT SPOON; ST-SHELBY TUBE; D-DEWISON; P-PITCHER; O-OTHER							SITE			MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-4R	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138		1 of 2		MSS-SR	
COORDINATES										N9960		E9800		ANGLE FROM HORIZ.		BEARING	
MAYWOOD INTERIM STORAGE SITE										N9960		E9800		90		N/A	
BEGIN		COMPLETED		DRILLER MORE TRENCH ENVIRONMENTAL SERVICE			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-1-86		5-9-86		ENVIRONMENTAL SERVICE			MOBILE B-40L		6 IN.	17.5	3.5	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		60J FT.		5/56J FT.		17.5/42.6 FT.					
SAMPLE NUMBER HEIGHT/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 BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	CHRONIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
							60J										
							59.6	0.5			0-0.5 FT. SAND (SC-SM) GRAYISH BROWN (SYR 3/2), SOFT, FINE-GRAINED, SILTY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY FIBERLINE ANALYTICAL CORPORATION. FIBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.					
								5.0			0.5-17.5 FT. SILT (ML) GRAYISH BROWN (SYR 3/2 0.5-2.0 FT.) WHITE OR 2.0-3.0 FT. GRAYISH BLACK (SYR 3.0-5.0 FT.) DUSKY BROWN (SYR 2/2 5.0-17.5 FT.) SOFT TO MODERATE HARDNESS, SANDY, MOIST.						
								10.0									

5/1/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE MAYWOOD INTERIM STORAGE SITE

HOLE NO. MSS-SR



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FLSRAP	14501-138	2 of 2	MISS-5R		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.F.	TIME IN MINUTES						
AUGER 6 IN.							42.6	15.0				
							39J	17.5 20.0 21.0			17.5-21.0 FT. SANDSTONE BLACKISH RED (SR 272), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED, WET.	
											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=DIAMOND P=PITCHER O=OTHER

SITE

MAYWOOD INTERM 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 NOISE	BEARING				
MAYWOOD INTERIM STORAGE SITE			N9990 E9995				90	N/A				
DESIGN	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	6.5 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 BARREL WEIGHT/FILL			CASING LEFT IN HOLE(DIA./LENGTH)			LOGGED BY:						
N/A			N/A			P. YEN						
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE DIA.	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLANK	PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOGS IN G.P.A.	TIME IN MINUTES						
AUER 6 IN							60.0					
								5.0			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.
							49.5	10.0				
								10.5			10.5-15.5 FT. SANDSTONE DUSKY BROWN (5YR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, SOME SILTY ZONES, WET.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
											DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	
SS-SPLIT SPOON ST-SHELBY TUBE D-CORROSION PARTS-20 OTHER				SITE				MAYWOOD INTERIM STORAGE SITE				HOLE NO. 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	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.J.	TIME IN MINUTES						
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=DENISON P=PITCHER O=OTHER

SITE

MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-6R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138	1 of 2	MISS-7R					
SITE		COORDINATES				ANGLE FROM HORIZ.		BEARING					
		N9900 E9995				90		N/A					
BEHIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH						
5+86	5+86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-4DL	6 IN	5.0	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	60.9 FT	5/55.9 FT		5/45.9 FT					
SAMPLE NUMBER		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 "BY"	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN								60.9				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.
									5.0				
									10.0				
SS-SPLIT SPOON ST-SHELBY TUBE; DR-DRENDSON; P-PITCHER; O-OTHER													
SITE											MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-7R

▽ 5/1/86

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
										FUSRAP		14501-138	2 of 2	MISS-TR
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE RECOVERY PERCENT CORE RECOVERY	WATER PRESSURE TESTS				ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 IN							45.9	15.8			15.0-19.0 FT. SANDSTONE, BLACKISH RED (SYR 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		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				FLSRAP		14501-138	1 of 2	MISS-BR					
SITE		COORDINATES				ANGLE FROM HORZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE		N9800 E9995				90		N/A					
BEGIN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)					
5-1-86	5-1-86	MORETRENCH ENVIRONMENTAL SERVICE		MOBILE B-40L		6 IN	0.0	4.5					
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER		DEPTH/EL. TOP OF ROCK					
N/A		N/A	N/A	N/A	58.8 FT.	2.5/56.3		0.0/47.8 FT.					
SAMPLE HAMMER BLOW/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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN.								58.8				0-1.0 FT. SAND (SC-SM) GRAYISH RED (OR 4/2, 0-1.0 FT.), DUSKY BROWN TO DARK GRAY (5YR 2/2-NS, 1.0-4.0 FT.) GRAYISH BROWN (5YR 3/2, 4.0-11.0 FT.) SOFT, FINE-GRAINED, VERY SILTY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 5/1/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								47.8	11.0		11.0-15.5 FT. SANDSTONE VERY DUSKY RED (OR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, SILTY, WEATHERED, WET.		

SS=SPLIT SPOON; ST=SHELBY TUBE;
D=DINSON; 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 IN	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN.								43.3	15.5 15.5			BOTTOM OF HOLE AT 15.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.	AUGER REFUSAL AT 15.5 FT.

SE-SPLIT SPOON ST-SHELBY TUBE; D-DEENSON P-PITCHER O-OTHER

SITE


MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-8R




045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FLURAP		14501-138		1 of 1		MSS-9R	
MAYWOOD INTERIM STORAGE SITE										COORDINATES				ANGLE FROM HORIZ.		BEARING	
										N9700		E9995		90		N/A	
MEMBER		COMPLETED		DRILLER			DRILL MAKE AND MODEL			HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
5-1-86		5-1-86		MORETRENCH ENVIRONMENTAL SERVICE			MOBILE B-40L			6 IN.		7.0		6.5		13.5 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		58.2 FT.		5/53.2 FT.			7.0/58.2 FT.			
SAMPLE NUMBER				WEIGHT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:					
N/A				N/A				N/A				P. YEN					
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE/LENGTH CORE RUN	SAMPLE RECOVERY/ CORE RECOVERY	SAMPLE BLOBS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.				
					LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES										
AUGER 6 IN.							58.2										
											0-7.0 FT. SAND (SC-SM) DUSKY BROWN (SR 2/2), SOFT, FINE TO MEDIUM-GRAINED SILTY, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.  5/1/86					
							58.2				7.0-13.5 FT. SANDSTONE VERY DARK RED (SR 2/6), SOFT TO MODERATELY HARD, VERY FINE GRAINED, SILTY WEATHERED, MOIST TO WET.		* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.				
							44.7				BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/1/86.						
											BOTTOM OF HOLE AT 13.5 FT.	AUGER REFUSAL AT 13.5 FT.					
SS-SPLIT SPONS; ST-SHELBY TUB; B-BEARDON P-PITCHER; O-OTHER										SITE				MAYWOOD INTERIM STORAGE SITE			
														HOLE NO. MSS-9R			



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138	1 OF 1	MISS-10R
SITE					COORDINATES					ANGLE FROM HORIZ.		BEARING		
MAYWOOD INTERIM STORAGE SITE					N9700		E9800			90		N/A		
BEGIN		COMPLETED		DRILLER MORE TRENCH ENVIRONMENTAL SERVICE			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH		
5-2-86		5-2-86		ENVIRONMENTAL SERVICE			MOBILE B-40L		6 IN.	9.0	2.5	11.5 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.	3.5/54.4 FT.		9.0/48.9			
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:						
N/A				N/A				P.YEN						
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 IN.							57.9				0-9.0 FT. SAND (SC-SM) MODERATE BROWN (SYR 4/4,0-LO FT.) DUSKY BROWN (SYR 1/2,1.0-4.0 FT.) AND BROWNISH BLACK (SYR 2/1,4.0-11.5 FT.), SOFT, VERY SILTY SLIGHTLY CLAYEY, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.  5/2/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.		
						48.9	9.0			9.0-11.5 FT. SANDSTONE BLACKISH RED (SR 2/2, SOFT TO MODERATE HARDNESS, WEATHERED.				
							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=DEWISON; P=PITCHER; O=OTHER


SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.
MISS-10R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
				FUSRAP		145D1-138	1 OF 2	MISS-11R					
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE			N9750 E9800			90		N/A					
BEGIN	COMPLETED	DRILLER/MORETRENCH	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH						
5-2-86	5-2-86	ENVIRONMENTAL SERVICE	MOBILE B-40L	6 IN.	9.5	7.0	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	60.1 FT.	3.0/57.1 FT.		9.5/50.6 FT.					
SAMPLE NUMBER WEIGHT/FALL			CASING LEFT IN HOLE DIA./LENGTH			LOGGED BY:							
N/A			N/A			P.YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	LOSS IN G.P.M.	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAIN LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					PERCENT CORE RECOVERY	TIME IN MINUTES							
AUGER 6 IN.							60.1				0-1.0 FT. SAND (SM-SC) GRAYISH BROWN (SYR 3/2), LOOSE, VERY SRTY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.  5/2/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.	
							59.1	1.0		1.0-9.5 FT. SILT (ML) DARK REDDISH BROWN OR 3/4, 1.0-6.0 FT. DUSKY BROWN (SYR 2/2, 6-9.5 FT.), SOFT, VERY SANDY, SLIGHTLY CLAYEY, MOIST.			
							50.6	9.5	10.0		9.5-16.5 FT. SANDSTONE BLACKISH RED (SR 2/2), SOFT TO MODERATELY HARD, FINE-GRAINED, WEATHERED, WET.		
SS=SPLIT SPOON ST=SHELBY TUBE; B=DEENIGON P=PTITCHER; O=OTHER												SITE MAYWOOD INTERIM STORAGE SITE	HOLE NO. MISS-11R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
										FLSRAP		14501-138	2 OF 2	MISS-11R
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 IN.							43.6	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-DEWISON P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-11R



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FUSRAP			14501-138	1 of 2	MISS-12R				
SITE				COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE				N9600 E9785			90		N/A				
BEGIN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK FT/J	TOTAL DEPTH				
5/2/86	5/2/86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	0.0	2.5	6.5 FT				
CORE RECOVERY (FT./2)		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	56.3 FT	4/52.3 FT		0/43.3 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			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
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.
									10.0				
								43.3	13.0			13.0-15.5 FT. SANDSTONE, DUSKY BROWN (5YR 2/2), SOFT TO MODERATELY HARD,	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
<small>SS=SPLIT SPOON; ST=SHELBY TUBE; B=BOHNER; P=PUTCHER; O=OTHER</small>											SITE		HOLE NO.
MAYWOOD INTERIM STORAGE SITE											MISS-12R		



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FUSRAP	14501-138	2 OF 2	MISS-12R		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.F.	TIME IN MINUTES						
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



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.	SHEET NO.	HOLE NO.									
MAYWOOD INTERIM STORAGE SITE				FLSRAP			14501-138	1 of 2	MISS-13R									
COORDINATES				N9945 E9700			MILE FROM HORIZ.		BEARINGS									
MAYWOOD INTERIM STORAGE SITE				N9945 E9700			90		N/A									
BEGIN	COMPLETED	DRILLER MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL	HOLE SIZE	OVERLAP/IN FT.	ROCK FT.	TOTAL DEPTH											
5-2-86	5-2-86		MOBILE B-40L	6 IN.	12.0	4.5	16.5 FT.											
CORE RECOVERY %/TD		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	5.5/53.5 FT.		12.0/47.0 FT.										
SAMPLE NUMBER WEIGHT/FALL		CASING LEFT IN HOLE DIA./LENGTH			LOGGED BY:													
N/A		N/A			P.YEN													
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE INCH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
ALUER 6 IN.								59.0										
									5.0			0-12.0 FT. SAND (SC-SM) DUSKY RED (SR 3/4, 0-1.0 FT.), WHITE TO GRAYSH PINK (N9-SR 8/2, 1.0-2.0 FT.), BLACK TO GRAYSH 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 * DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.					
								47.0	12.0			12.0-16.5 FT. SANDSTONE, BLACKISH RED (SR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, WEATHERED, WET.						
BS-SPLIT SPOON ST-SI TUBES B-DIBBSON, P-PITCHER, O-OTHER										SITE			MAYWOOD INTERIM STORAGE SITE		HOLE NO.		MISS-13R	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
										FLSRAP		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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF BILLING, ETC.		
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 IN.							42.5	15.0 16.0						
										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=DIBBONS P=PITCHER O=OTHER


SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.
MISS-13R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	MOLE NO.					
				FUSRAP		14501-138	1 of 2	MISS-14R					
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERM STORAGE SITE			N9875 E9500			90		N/A					
BEGUN	COMPLETED	DRILLER MORE TRENCH ENVIRONMENTAL SERVICE		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-2-86	5-2-86			MOBILE B-40L		6 IN.	17.0	LO	18.0 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	54.0	12/42.0 FT.		17/37.0 FT.					
SAMPLE NUMBER 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 BLOBS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN.								54.0				0-17.0 FT. SAND (SC-SM) DUSKY RED (SR 3/4, 0-1.0 FT.) WHITE (NS), 1.0-2.0 FT. GRAYISH BROWN (SYR 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.
									5.0				
													* DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.  5/2/86

BB-SPLIT SPOON ST-SHELBY TUBE; D-DRESDEN; P-PIPTCHEG; O-OTHER

SITE MAYWOOD INTERM STORAGE SITE

MOLE NO. MISS-14R



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.	
				FUSRAP			14501-138		2 of 2		MISS-14R	
SAMPLE TYPE AND DIAMETER	SAMPLE RECOVERY LENGTH CORE IN IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GROUP LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN.							37.0	15.0				
							17.0				17.0-18.0 FT. SANDSTONE BLACKISH RED (SR 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=DENISON; P=PITCHER; O=OTHER

SITE
MAYWOOD INTERM 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						
BEARIN		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-4DL		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		15.0/37.0 FT			
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE: DR./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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES									
AUGER 6 IN							53.0									
								5.0			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.				
								10.0								

5/2/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

BS-SPLIT BROOKS (SHELBY TUBE)
B-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.				
				FLUSRAP		14501-138	2 of 2	MISS-15R				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN								15.0				
								16.0			16.0-21.0 FT. SANDSTONE, BLACKISH RED (SR 2/2), SOFT TO MODERATE HARDNESS, FINE-GRAINED, MODERATELY SILTY, WEATHERED, WET.	
							32.0	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=DENISON P=PITCHER O=OTHER

SITE


MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-15R



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE				N9500 E9700				14501-138		1 of 1		MISS-16R	
MAYWOOD INTERIM STORAGE SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING			
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE GIZE		OVERBURDEN (FT.)		ROCK (FT.)	
5-5-86		5-5-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		11.0		3.0	
CORE RECOVERY (FT./%)				CORE BOXES		SAMPLES		TEL. TOP OF CASING		GROUND EL.		DEPTH/VEL. TOP OF ROCK	
N/A				N/A		N/A		N/A		53.0 FT.		11.0/42.0 FT.	
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE DIA./LENGTH				LOGGED BY:					
N/A				N/A				P. YEM					
SAMPLE TYPE AND DIAMETER	SAMPLER APPLIED LENGTH CORRECTION	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN Q.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.		
										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 DILY MATERIAL. 2.5-4.5 FT. RESIDUAL COHESIVES.			
							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.	
							39.0	14.0			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.		
												 5/5/86 AUGER REFUSAL AT 14.0 FT.	
BS-SPLIT SPOON ST-SHELBY TUBE; D-DENISON P-PITCHER; O-OTHER							SITE MAYWOOD INTERIM STORAGE SITE					HOLE NO. MISS-16R	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										N9400 E9900		14501-134		1 OF 1		MISS-18R	
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP (FT.)		ROCK (FT.)		TOTAL DEPTH			
5-5-86		5-5-86		MIDRENTRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		5.0		4.0		9.0 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		56.0 FT.		7.0/49.0		5.0/51.0 FT.					
SAMPLE HARDER 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 BLOBS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
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 COHESIVES.	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.							
							47.0	9.0			BOTTOM OF HOLE AT 9.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.						
											ALGER REFUSAL AT 9.0 FT.						
											DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.						

▽ 5/5/86

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-18R



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.				
				FUSRAP			14501-138		1 OF 1		MISS-19R				
SITE				COORDINATES				ANGLE FROM MORG.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9310 E9900				90		N/A					
BEGIN		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		5.0		5.0		10.0 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		54.8 FT.		4.0/50.8 FT.		5.0/49.8 FT.		
SAMPLE NUMBER 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	DRIVING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES									
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.			
BB=SPLIT SPOON; ST=SHELBY TUBE; D=DIAMETER; P=PITCHER; O=OTHER												SITE MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-19R	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										N9310 E10,000		14501-138	1 of 1	MISS-20R	
SITE	MAYWOOD INTERIM STORAGE SITE										COORDINATES		ANGLE FROM HORIZ.	BEARING	
BEGIN	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	0.5	7.5 FT.				
CORE RECOVERY (FT./TD)		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	54.9 FT.	3.0/51.9 FT.		7.0/47.9 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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
ALGER 6 INCH								54.9				0-7.0 FT. SAND (SC-SM) MODERATE BROWN (5R 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.		
								57.9 47.4	7.0 7.5		7.0-7.5 FT. SANDSTONE DUSKY RED (5R 3/4) MODERATELY HARD, FINE GRAINED SLIGHTLY WEATHERED, WET.				
												BOTTOM OF HOLE AT 7.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.	ALGER REFUSAL AT 7.5 FT.		
SS-SPLIT SPOON; ST-SHELBY TUBE; D-DISSOLV; P-PTT CHECK; O-OTHER											SITE		MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-20R




045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.			
				FUSRAP			14501-138		1 OF 1		MISS-21R			
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE				N9200 E10,D15				90		N/A				
BEGIN		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	3.0	10.0 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	55.0 FT.	6.0/49.0 FT.		7.0/48.0 FT.					
SAMPLE NUMBER 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES								
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		
							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.			
SS=SPLIT SPOON; ST=SHELBY TUBE; B=DEBRIS; P=PITCHER; O=OTHER											SITE	MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-21R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										N9300 E9800		14501-138	1 of 2	MISS-22R
BEGIN		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/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK			
N/A		N/A		N/A		N/A		54.1 FT.	4.0/50.1 FT.		7.0/47.1 FT.			
SAMPLE BITTER 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			ELEVATION	DEPTH	GRIPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES							
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	
							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=DENISON 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	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
							39.1	15.0					
AUGER 6 INCH													
<p>BOTTOM OF HOLE AT 15.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.</p>												<p>AUGER RESISTANCE AT 15.0 FT.</p>	
SS-SPLIT SPOON ST-SHELBY TUBE, D-DIMENSION 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	1 OF 2	MISS-23R				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9400 E9800			90		N/A				
DATE	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	7.5	14.5 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	57.1 FT.	10.0/47.1 FT.		7.0/50.1 FT.				
SAMPLE NUMBER		WEIGHT/FALL		CASING LEFT IN HOLE (DIA./LENGTH)		LOGGED BY:						
N/A		N/A		N/A		P. YEN						
SAMPLE TYPE AND DIAMETER	SAMPLER ATTACHED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH							57.1				0-3.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), SANDY, MOIST, WITH RESIDUAL ORGANIC DETRITUS, ROOTS, AND SLOPEWASH.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							53.6	3.5		3.5-7.0 FT. SAND (SC-SM) BROWNISH BLACK (5YR 2/1) TO BLACK (M1). FINE TO MEDIUM-GRAINED, VERY SILTY, MOIST. 4.0-7.0 FT BLACK OILY SUBSTANCE.		
							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.		
												5/5/86
BS=SPLIT BROOM ST+SHELBY TUBE DR=DRINSON PATTISON 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 OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRIPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	TIME IN MINUTES						
						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-DEWISON; P-PITCHER; O-OTHER						SITE MAYWOOD INTERIM STORAGE SITE				HOLE NO. MISS-23R	



045933


GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.											
MAYWOOD INTERIM STORAGE SITE				N9600 E9900		14501-138	1 of 2	MISS-24R											
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING											
MAYWOOD INTERIM STORAGE SITE			N9600 E9900			90		N/A											
BEGIN	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./%)		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 BARREL 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			ELEVATION	DEPTH	DRAINING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES												
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.						
												0.5-10.0 FT. SAND (SC-SM) DUSKY BROWN (5YR 2/2, 0.5-8.0 FT.) GRAYISH BLACK TO BLACK (N2-N1, 8.0-10.0 FT.) FINE-GRAINED, SILTY, DAMP TO WET. 0.5-8.0 FT. TRACE AMOUNTS OF GRAVEL, WITH BLACK SLUDGE.							
								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.							
<small>SS-SPLIT SPOON ST-SHELBY TUBE; B-BIRMINGHAM P-PITCHER; O-OTHER</small>												SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO.		MISS-24R	

▽ 5/5/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FUSRAP	14501-138	2 OF 2	MISS-24R			
SAMPLE TYPE AND DIAMETER	SAMPLE DISTANCE LENGTH CORE INCH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH							42.5	15.0 16.0				
											<p>BOTTOM OF HOLE AT 16.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/5/86.</p>	<p>AUGER REFUSAL AT 16.0 FT.</p>

SS-SPLIT SPOON ST-SHELBY TUBE
D-DODDSON 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	1 OF 1	MISS-25R					
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE			N9610 E9995			90		N/A					
BEGIN	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	2.0	4.0	6.0 FT.					
CORE RECOVERY (%)		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	58.9 FT.	N/A		2.0/56.9 FT.					
SAMPLE BARREL HEIGHT/FALL			CASING LEFT IN HOLE DIA./LENGTH			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN Q.P.A.	PRESSURE P.S.J.	TIME IN MINUTES						
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							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.		
								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;
D=DIAMETER, P=PITCHER, O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-25R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138		1 OF 1		MISS-26R	
COORDINATES										N94°00' E99°55'		ANGLE FROM HORIZ.		BEARING		90 N/A	
BEGIN		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	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 BARREL 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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.				
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES										
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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 5/6/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.				
								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;
BD-BIRMINGHAM P-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-26R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FLUSRAP		14501-138	1 OF 1	MISS-27R
COORDINATES										N95.20 E9490		HOLE FROM HORIZ.		BEARING
MAYWOOD INTERIM STORAGE SITE												90		N/A
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	RIGG (FT.)	TOTAL DEPTH			
5-6-86		5-6-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	5.5	3.5	9.0 FT			
CORE RECOVERY (FT./%)			CORE DIAM.		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	2.0/49.5 FT		5.5/46.0 FT				
SAMPLE NUMBER				CASING LEFT IN HOLE DIA./LENGTH				LOGGED BY:						
N/A				N/A				P. YEN						
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLINDS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
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. 5.5-9.0 FT. SANDSTONE, MODERATE REDDISH-BROWN (10R 4/4) LOW TO MEDIUM PLASTICITY WITH SOME VERY FINE SAND, SATURATED, WEATHERED.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION 5/6/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING	
						46.0	5.0							
							42.5	5.5						
												BOTTOM OF HOLE AT 9.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.	AUGER REFUSAL AT 9.0 FT.	
SS-SPLIT SPOON ST-SHELBY TUBE B-CORING P-PITCHER O-OTHER												SITE MAYWOOD INTERIM STORAGE SITE	HOLE NO. MISS-27R	



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.			
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-134	1 of 2	MISS-28R			
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE			N9790 E9300			90		N/A			
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERLAP (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 NUMBER RECOVERY/FULL		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 LOSS %	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN IN G.P.A.L.	TIME IN MINUTES						
AUGER 6 IN						58.0				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 (M8, 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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
						48.0	10.0		10.0-20.5 FT. SANDSTONE, GRAYISH RED (SR 4/2) TO DUSKY RED (SR 3/4), SOFT TO MODERATELY HARD, MEDIUM TO FINE-GRAINED, WEATHERED, SATURATED BELOW 18.0 FT.		

25-SPLIT SPEED ST-SHELBY TUBE
9-CORING PPT CHZ 0-0758

MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-28R



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FLSRAP	14501-138	2 OF 2	MISS-28R		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY TYPE RECOVERY	SAMPLE BLOBS % RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
Auger 6 in							37.5	15.0 20.0 20.5				<p>5/6/86</p> <p>△</p>
											<p>BOTTOM OF HOLE AT 20.5 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/6/86.</p>	<p>AUGER REFUSAL AT 20.5 FT.</p>

ES-SPLIT SPOON ST-SHELBY TUBE,
B-BENSON P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-28R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FUSRAP		14501-130	1 of 2	MISS-29R				
SITE			COORDINATES			ANGLE FROM MERID.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9950 E10040			90		N/A				
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH			
5-6-86	5-6-86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	15.5	2.5	18.0 FT			
CORE RECOVERY (FT./70)		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	0.0/50.0 FT		15.5/42.5 FT				
SAMPLE NUMBER 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 BLOCK % FULL CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN							58.0				0-0.5 FT. SILT (ML) PALE BROWN (SYR 5/3) RESIDUAL SOIL, ROOTS.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
										0.5-15.5 FT. SAND (SM-SC) DUSKY BROWN (SYR 2/2, 0.5-2.0 FT) LIGHT GRAY (NB, 2.0-8.0 FT) LIGHT BROWNISH GRAY (SYR 7/1, 8.0-15.5 FT) FINE-GRAINED IN A SILTY CLAYEY MATRIX, LAYERS OF VISCOUS OOZE (2.0-9.0 FT) DAMP.		
								10.0				

▽ 5/6/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.	
				FUSRAP			14501-138		2 of 2		MISS-29R	
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH CORRECTION	SAMPLE RECOVERY CORRECTION	SAMPLE BLOWS BY PERCENT CORRECTION	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN P.S.F.	PRESSURE P.S.F.	TIME IN MINUTES						
AUGER 6 IN							42.5	15.0			15.5-18.0 FT SANDSTONE, BLACKISH RED (SR 2/2) TO DUSKY RED (SR 3/4) SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, MODERATELY WEATHERED, SATURATED.	
							40.0	18.0				

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-29R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138	1 of 2	MISS-30R				
SITE				COORDINATES		ANGLE FROM MERID.		BEARING				
MAYWOOD INTERIM STORAGE SITE				N9905 E10040		90		N/A				
BEGAN	COMPLETED	DRILLER	DRILL MOUNT AND MODEL		HOLE SIZE	OVERLAP/INCH (FT.)	RICK (FT.)	TOTAL DEPTH				
5-6-86	5-6-86	MOORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		6 IN	13.0	2.0	15.0 FT				
CORE RECOVERY(FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK				
N/A		N/A	N/A	N/A	60.5 FT	8.0/52.5 FT		13.0/47.5 FT				
SAMPLE NUMBER WEIGHT/FALL		CASING LEFT IN HOLE (IN./LENGTH)		LOGGED BY								
N/A		N/A		P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER APPLIES LENGTH CORE RUN	SAMPLE RESIDUAL CORE RECOVERY	SAMPLE BLOCKS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN O.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN							60.5					
							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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								5.0			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.	
							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,	
SS-SPLF SPOON ST-SHELBY TUBS D-CORONA P-PATCHES Q-OTHER				SITE				MAYWOOD INTERIM STORAGE SITE			HOLE NO. MISS-30R	

5/6/86



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FUSRAP	14501-138	2 OF 2	MISS-30R		
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE RECOVERY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GROUP LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
							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=DENISON P=PITCHER O=OTHER

SITE

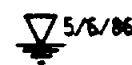
MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-30R



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.			
				FLUSRAP				14501-138		1 of 1		MISS-31R			
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9800 E10050				90		N/A					
BEGIN		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		12.0		2.0		14.0 FT	
CORE RECOVERY (FT./%)			CORE BOXES		SAMPLES		EL. TOP OF CASING		GROUND EL.		DEPTH/EL. GROUND WATER		DEPTH/EL. TIP OF ROCK		
N/A			N/A		N/A		N/A		58.5 FT		4.0/54.5 FT		12/46.5 FT		
SAMPLE NUMBER WEIGHT/FALL			CASING LEFT IN HOLE/DIA./LENGTH			LOGGED BY:									
N/A			N/A			P. YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE RUN	SAMPLE REPORT CORE RECOVERY	SAMPLE BLOSS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOGS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 IN							58.5						SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.  5/6/86		
							58.0	0.5			0-0.5 FT. ASPHALT PAVING AND SILT (ML) 0.5-12.0 FT. SAND (SC-SM) DUSKY BROWN (SYR 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.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.			
							46.5	12.0			12.0-14.0 FT SANDSTONE, BLACKISH RED (SR 2/2), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, WEATHERED, SATURATED. 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, D-COBBINS PITCHER, O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-31R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLUSRAP		14501-138	1 OF 2	MISS-32R				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9950 E10100			90		N/A				
BEGAN	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/VEL. GROUND WATER		DEPTH/VEL. 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 NUMBER WEIGHT / ALL		CASING LEFT IN HOLE / DIA. / LENGTH			LOGGED BY:							
N/A		N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE IN IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							59.0	1.0		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.		
								5.0		3.5-10.0 FT. VERY SLIGHTLY SILTY.		
							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.	

▽ 5/7/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPACING ST-BELLY TUBE, DISCHARGE PATCHED-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-32R



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FLURAP	14501-138	2 of 2	MISS-32R			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN						45.0	15.0				<p>BOTTOM OF HOLE AT 15.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.</p>	<p>AUGER REFUSAL AT 15.0 FT.</p>

SEPARATE SPOON BY TUBE, DEBBISSON, PITCHEL, OR OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-32R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138		1 OF 1		MISS-33R	
COORDINATES										N9990		E10100		ANGLE FROM HORIZ.		BEARING	
MAYWOOD INTERIM STORAGE SITE												90		N/A			
BEGIN		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		4.0		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		60.0 FT		10.0/50.0 FT		10.0/50.0 FT				
SAMPLE NUMBER IDENT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:									
N/A				N/A				P. YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAIN LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
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) MODERATELY 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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.					
							5.0			2.0-4.0 FT. VISCOUS OOZE.							
							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.						
							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, D-DISSON, P-PITCHER, O-OTHER							SITE					MAYWOOD INTERIM STORAGE SITE	HOLE NO. MISS-33R				

▽ 5/7/86



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.		SHEET NO.		HOLE NO.									
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138		1 OF 1		MISS-34R									
SITE				COORDINATES				ANGLE FROM HORZ.		BEARING									
MAYWOOD INTERIM STORAGE SITE				N9900		E10100		90		N/A									
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)									
5-7-86		5-7-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		8.0									
CORE RECOVERY (FT./2)		CORE BOXES		SAMPLES		EL. TOP OF CASING		GROUND EL.		DEPTH/EL. GROUND WATER									
N/A		N/A		N/A		N/A		60.0 FT		8.0/52.0 FT									
SAMPLE NUMBER		WEIGHT/FALL		CASING LEFT IN HOLE DIA./LENGTH		LOGGED BY:													
N/A		N/A		N/A		P. YEN													
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH (CORE RUN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	DRILLING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
					LOSS IN Q.P.A.	PRESSURE P.S.I.	TIME IN MINUTES												
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 5/7/86						
								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.							
							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.							
							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.						
SS-SPLIT SPOON ST-BELLY TUBE; BHO-BHOENON PATTICHO OTHER												SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO.		MISS-34R	




045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.			
MAYWOOD INTERIM STORAGE SITE										N9850		E10100		14501-13B		1 OF 1		MISS-35R	
MAYWOOD INTERIM STORAGE SITE										COORDINATES		ANGLE FROM HORIZ.		BEARING					
DATE		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH					
5-7-86		5-7-86		MORRETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		8.0		2.5		10.5 FT					
CORE RECOVERY (FT./TD)		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 NUMBER				WEIGHT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:							
N/A				N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES												
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.							
											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.								
							52.0	8.0			8.0-10.5 FT. SANDSTONE, DUSKY RED (5R 3/4) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.								
							49.5	10.5			BOTTOM OF HOLE AT 10.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	AUGER REFUSAL AT 10.5 FT.							
SS=SPLIT SPOON; ST=SHELBY TUBE; DR=DRINSON; P=PITCHER; O=OTHER												SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO.		MISS-35R	

▽ 5/7/86



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.						
				FUSRAP		14501-138	1 of 1	MISS-36R						
SITE			COORDINATES			MILE FROM HOLE		BEARING						
MAYWOOD INTERIM STORAGE SITE			N9900 E0150			90		N/A						
BEGIN	COMPLETED	DRILLER/MORE TRENCH ENVIRONMENTAL SERVICE	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH							
5-7-86	5-7-86		MOBILE B-40L	6 IN.	5.0	5.0	10.0 FT.							
CORE RECOVERY (FT./20)		CORE BOXES	SAMPLES	DL. TOP OF CASING	GROUND DL.	DEPTH/VL. GROUND WATER	DEPTH/VL. TOP OF ROCK							
N/A		N/A	N/A	N/A	60.0 FT.	8.0/52.0 FT.	5.0/56.0 FT.							
SAMPLE NUMBER (BOHRT/FALL)			CASING LEFT IN HOLE; DL./LENGTH			LOGGED BY:								
N/A			N/A			P.YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLINDS	LOSS IN PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 IN.								60.0						
								58.0	2.0			0 -2.0 FT. SILT (ML) PALE BROWN (5R 5/2) RESIDUAL SOIL, ROOTS, DAMP.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.  5/7/86	
							55.0	5.0			2.0-5.0 FT. SAND (SC-SM) PALE YELLOWISH BROWN (0YR 6/2) FINE-GRAINED WITH A SILTY AND CLAYEY MATRIX.			
							50.0	10.0			5.0-10.0 FT. SANDSTONE DARK REDDISH BROWN (0R 3/4) SOFT TO MODERATE HARD, FINE TO MEDIUM GRAINED, WEATHERED SATURATED, SOFT, RUBBLE.			
													BOTTOM OF HOLE AT 10.0 FT.	AUGER REFUSAL AT 10.0 FT.
													BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/7/86.	• DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-36R




045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE										COORDINATES N9985 E30,200		14501-138		1 OF 1		MISS-37R	
BEGIN 5-8-86		COMPLETED 5-8-86		DRILLER/WORK/TRENCH 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./TD) 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 NUMBER BEGIN/FALL N/A			CASING LEFT IN HOLE/ DIA./LENGTH N/A				LOGGED BY: P.YEN										
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH (CORE MARK)	SAMPLER RESISTANCE (CORE RECOVERY)	SAMPLE BLOCK NO.	WATER PRESSURE TESTS	ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION		NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
									LOGS IN O.P.A.L.	PRESSURE P.S.I.		TIME IN MINUTES					
ALGER 6 IN.					60.0												
					59.5	0.5			0-0.5 FT. SILT (ML) PALE BROWN (SYR 5/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.							
						5.0		0.5-10.0 FT. SAND (SC-SM) GRAYISH BROWN (SYR 3/2, 0.5-2.0 FT.) DUSKY BROWN (SYR 2/2, 2.0-10.0 FT.) FINE-GRAINED WITH SILTY CLAYEY MATRIX.									
					50.0	10.0			10.0-13.5 FT. SANDSTONE DUSKY RED (SR 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.		ALGER REFUSAL AT 13.5 FT.					
SS-SPLIT SP-COIN ST-SHELBY TUNG D-DIGRESSO P-PITCHER O-OTHER										SITE MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-37R					



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FLSRAP		14501-138		1 OF 1		MISS-38R	
SITE										COORDINATES				ANGLE FROM HORIZ.		BEARING	
MAYWOOD INTERIM STORAGE SITE										N9985 E10,300				90		N/A	
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL			HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
5-8-86		5-8-86		MORE TRENCH 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/VEL. 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 BARREL HEIGHT/FULL				CASING LEFT IN HOLE/DIA./LENGTH				LOGGED BY:									
N/A				N/A				P.YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE (IN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	CRIMP LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
AUGER 6 IN.							60.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.  5/8/86					
							59.0	1.0		0-1.0 FT. SILT (M) BLACKISH RED (SR 2/2) FINE GRAINED, SANDY.							
							57.0	3.0		1.0-3.0 FT. SAND (SC-SM) PALE BROWN (SYR 5/2) FINE GRAINED WITH A SILTY TO CLAYEY MATRIX, MOIST.							
								5.0			3.0-7.5 FT. SANDSTONE VERY DARK RED (SR 2/5), SOFT TO MODERATELY HARD, WEATHERED, WET AT BOTTOM.						
							52.5	7.5			BOTTOM OF HOLE AT 7.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	ALUGER REFUSAL AT 7.5 FT. * DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.					

SS-SPLIT SPOON; ST-SHELBLY TUBE; D-DEERSON; P-PUTTCHER; O-OTHER

SITE MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-38R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138	1 OF 1	MISS-39R	
SITE										COORDINATES		ANGLE FROM HORIZ.	BEARING		
MAYWOOD INTERIM STORAGE SITE										N9900 E10,315		90	N/A		
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN FT.	ROCK FT.	TOTAL DEPTH				
5/8/86		5/8/86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	8.0	2.0	10.0 FT				
CORE RECOVERY FT./TD		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.		7.0/53.0 FT.		8.0/52.0 FT.			
SAMPLE NUMBER HEIGHT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORRECTION	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN Q.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
AUGER 6 IN							60.0				0-8.0 FT. SAND (SC-SM) VERY DARK RED (SR 2/6, 0-0.5 FT.) DUSKY BROWN (5YR 2/2, 0.5-2.0 FT.) VERY DARK RED (SR 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.			
							52.0	8.0		8.0-10.0 FT. SANDSTONE VERY DARK RED (SR 2/6), SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY, MODERATELY WEATHERED SATURATED.					
							50.0	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.				
												5/8/86			
88-SPLIT SPOON ST-SHELBY TUBE, D-HOBSON P-PITCHER O-OTHER										SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-39R	



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.			
MAYWOOD INTERIM STORAGE SITE				FUSRAP				14501-138		1 OF 1		MISS-40R			
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9805 E10,295				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP/DEPTH (FT.)		ROCK (FT.)		TOTAL DEPTH	
5/8/86		5/8/86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		5.0		1.5		6.5 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		59.0 FT.		5.0/54.0 FT.		5.0/54.0 FT.			
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE/DIA./LENGTH				LOGGED BY:							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH (CORE RUN)	SAMPLE RECOVERY (CORE RECOVERY)	SAMPLE DIAMETER	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES									
AUGER 6 IN							59.0				0-0.5 FT. SILT (ML) PALE BROWN (5YR 5/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 5/8/86			
										0.5-5.0 FT. SAND (SC-SM) MODERATE BROWN (5YR 3/4) FINE-GRAINED, WITH SILTY MATRIX, CONTAINS RUBBLE, BRICKS.					
										5.0-6.5 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.					
							52.5	6.5			BOTTOM OF HOLE AT 6.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/8/86.	AUGER REFUSAL AT 6.5 FT.			
<small>SS-SPLIT SPOON ST-SHELBY TUBE, B-CORING PATCHED OTHER</small>											<small>DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.</small>				
<small>SS-SPLIT SPOON ST-SHELBY TUBE, B-CORING PATCHED OTHER</small>										<small>DATE</small>		<small>HOLE NO.</small>			
MAYWOOD INTERIM STORAGE SITE										MISS-40R					



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.							
MAYWOOD INTERIM STORAGE SITE				N9810 E10,200			14501-138		1 of 2		MISS-41R							
MAYWOOD INTERIM STORAGE SITE				COORDINATES			ANGLE FROM HORIZ.		BEARING									
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP/BLIND (FT.)		ROCK (FT.)		TOTAL DEPTH				
5/8/86		5/8/86		MIDRENTRENCH 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 NUMBER HEIGHT/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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	CORING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
				LOSS IN G.P.H.	PRESSURE P.S.I.	TIME IN MINUTES												
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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.						
										2.0-6.0 FT. WITH ASH. 8.0-11.0 FT. VERY SLIGHTLY SILTY.								
							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.						
ES-SPLIT SPOON ST-SHELBY TUBE, D-ROBINSON PATCHER, O-OTHER											SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO.		MISS-41R	

5/8/86



045933

GEOLOGIC DRILL LOG							PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
							FUSRAP		14501-138	2 of 2	MISS-41R	
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH IN FEET	SAMPLE RECOVERY PERCENT	SAMPLE LOSS PERCENT	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN.							44.0	15.0			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-DENISON P-FITCHER O-DUTER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-41R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-134	1 of 1	MISS-42R					
SITE			COORDINATES			ANGLE FROM NORTH		BEARING					
MAYWOOD INTERIM STORAGE SITE			N9800 E10,100			90		N/A					
BEGAN	COMPLETED	DRIER	DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP/FEET	ROCK FT./J	TOTAL DEPTH					
5-8-86	5-8-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		6 IN	8.0	3.5	11.5 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	59.0 FT.	2.0/57.0 FT.		8.0/51.0 FT.					
SAMPLE NUMBER BEG/FT./IN		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			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOG IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH								59.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 5/8/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
								57.0	2.0		0-2.0 FT. ASPHALT PAVING AND CRUSHED ROCK BASE COURSE.		
								51.0	8.0		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 (M2, 6.0-8.0 FT.) FINE GRAINED, IN A SILTY AND CLAYEY MATRIX, SATURATED.		
								47.5	11.5		8.0-11.5 FT. SANDSTONE VERY DARK RED (5R 2/6) SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.		
											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, 3-DIGITON P-PITCHER, 0-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							
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH							
5-9-86	5-9-86	MOIRE 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 NUMBER 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 BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
AUGER 6 INCH							53.5								
								5.0			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.			
								10.0							
SS-SPLIT SPOON; ST-SHELBY TUBE; DC-DECI-METER; P-PITCHER; O-OTHER											SITE		MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-43R



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FLSRAP	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			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN GAL	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH							34.0	19.5				
											BOTTOM OF HOLE AT 19.5 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/9/86.	AUGER REFUSAL AT 19.5 FT.  5/9/86

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-43R



045933

GEOLOGIC DRILL LOG				PROJECT FLSRAP			JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-44R		
SITE MAYWOOD INTERIM STORAGE SITE			COORDINATES N9120 E9890				ANGLE FROM MERID. 90	BEARING N/A			
DRILL 5-9-86	COMPLETED 5-9-86	DRILLER MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL MOBLE B-40L		HOLE SIZE 6 IN	OVERLAP/FEET 0.5 FT.	ROCK FT. 9.5 FT.	TOTAL DEPTH 10.0 FT.		
CORE RECOVERY (%) 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 BARREL 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			ELEVATION	DEPTH	GRIPING LOG SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES					
AUGER 6 INCH							53.0				
							52.5	0.5	0-0.5 FT. SILT (ML) DUSKY BROWN (SYR 2/2), RESIDUAL SOIL. 0.5-10.0 FT. SANDSTONE VERY DARK RED (SR 2/6), SOFT TO MODERATELY HARD, FINE TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, MODERATELY WEATHERED, DAMP TO SATURATED.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.	
							43.0	10.0	BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/9/86.	AUGER REFUSAL AT 10.0 FT.	
										DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-44R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				IUSRAP		14501-130	1 of 1	MISS-45C				
SITE			COORDINATES			ANGLE FROM NORTH		BEARING				
MAYWOOD INTERIM STORAGE SITE			N10,000 E10,030			90		N/A				
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-12-86	5-12-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33		6 IN	8.0	2.0	10.0 FT.				
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/EL. TOP OF ROCK				
N/A		N/A	1	N/A	60.0 FT.	9.0/51.0 FT.		8.0/52.0 FT.				
SAMPLE BARREL 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 BLOSS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	DRAWING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOGS IN G.P.A.	PRESSURE P.S.I.						
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A	N/A	N/A			60.0				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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							52.0	8.0	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.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.		
							50.0	10.0	8.0-10.0 FT. SANDSTONE VERY DARK RED (5R 2/5) SOFT, FINE-GRAINED, MODERATELY WEATHERED, SATURATED.		5/14/86	
										BOTTOM OF HOLE AT 10.0 FT.		
										BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.		
											DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	

SS-SPLR SPOON ST-SHELBY TUBE
D-DEBRIS P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-45C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138	1 of 1	MISS-46C
SITE					COORDINATES					ARRIVE FROM HOLE		BEARING		
MAYWOOD INTERIM STORAGE SITE					N9850 E10,050					90		N/A		
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP/INCH FT.	ROCK FT.	TOTAL DEPTH			
5-12-86		5-12-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		6 IN	10.0	2.0	12.0 FT.			
CORE RECOVERY FT./% N/A			CORE BONES 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 NUMBER BEHIND/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 BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
SS 1.5" 24"	N/A	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.		
							50.0	10.0			10.0-12.0 FT. SANDSTONE GRAYISH BLACK (N2), SOFT, FINE-GRAINED, HIGHLY WEATHERED, SATURATED, MIXED WITH SLUDGE.			
							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.		

5/14/86

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-46C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FUSRAP		14501-134	1 of 1	MISS-47C				
SITE			COORDINATES				ANGLE FROM HORIZ.	BEARING				
MAYWOOD INTERIM STORAGE SITE			N9700		E9725		90	N/A				
BEGIN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH			
5-13-86	5-13-86	MORE TRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		6 IN	5.0	5.0	10.0 FT.			
CORE RECOVERY (FT./20)		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	57.5 FT.	9.0/48.5 FT.		5.0/52.0 FT.				
SAMPLE NUMBER 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 BLOCKS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES						
SS 1.5" 24"	N/A	N/A	N/A				57.5				0-1.0 FT. SILT (ML) MODERATE BROWN (SYR 3/4) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							56.5	1.0	1	1.0-5.0 FT. SAND (SC-SM) DUSKY BROWN (SYR 2/2, 1.0-2.0 FT.F) DARK GRAY (M3, 2-5.0 FT.) FINE-GRAINED, VERY SILTY, MOIST.		
							52.5	5.0		5.0-10.0 FT. SANDSTONE DUSKY RED (SR 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, VERY SILTY, MODERATELY WEATHERED, PARTLY SATURATED.		
							47.5	10.0			BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	
SS-SPLIT SPOON ST-SHELBY TUBE; D-DODDSON PATCHER OTHER												
SITE												
MAYWOOD INTERIM STORAGE SITE												
											HOLE NO. MISS-47C	

5/14/86



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.	
SITE				COORDINATES				14501-138		1 OF 1		MISS-48C	
MAYWOOD INTERIM STORAGE SITE				N9050 E10,150				ANGLE FROM HORIZ.		BEARING		N/A	
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)		RICK (FT.)	
5-13-86		5-13-86		MORE TRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		6 IN		7.0		4.5	
CORE RECOVERY (FT./TD)		CORE BOXES		SAMPLES		EL. TOP OF CASING		GROUND EL.		DEPTH/EL. GROUND WATER		DEPTH/EL. TOP OF RICK	
N/A		N/A		1		N/A		60.0 FT.		5.0/55.0 FT.		7.0/53.0 FT.	
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE/DIAL LENGTH				LOGGED BY:					
N/A				N/A				P. YEN					
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE HIGH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETENTION, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN HOURS							
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A	N/A				60.0				0-0.5 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. 5/14/86	
							59.0	0.0		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.			
							53.0	7.0		7.0-11.5 FT. SANDSTONE DUSKY RED (5R 3/2), SOFT TO MODERATELY HARD, FINE-GRAINED SILTY, WEATHERED, SATURATED.			
						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 TUBES D-DERRISON P-PITCHER O-OTHER				SITE				MAYWOOD INTERIM STORAGE SITE				HOLE NO. MISS-48C	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FLURAP		14501-138	1 OF 1	MISS-49C
SITE					COORDINATES					AMBLE FROM HORIZ.		BEARING		
MAYWOOD INTERIM STORAGE SITE					N9900 E10,200					90		N/A		
BEGUN	COMPLETED	DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-13-86	5-13-86	MOPTRENCH ENVIRONMENTAL SERVICES			MOBILE B-33		6 IN	8.0	2.0	10.0 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	60.0 FT.	9.0/51.0 FT.		8.0/52.0 FT.						
SAMPLE NUMBER(S) DEPTH/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			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN S.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A						60.0						
								59.0	0.0		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.		
										1.0-8.0 FT. SAND (SC-SM) DUSKY BROWN TO WHITE (5YR 2/2-N9, 1.0-2.5 FT.), BLACK TO DUSKY BROWN (M1-5YR 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.				
								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.			
			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.														

5/13/86

SS-SPLIT SPOON ST-SHELBY T.C.S.
D-CORRECTION PART DREN OTHERS

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-49C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FLSRAP		14501-134	1 of 1	MISS-50C				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9850 E10,250			90		N/A				
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP/FEET	ROCK FT.				
5-13-86	5-13-86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		6 IN	7.0	3.0				
CORE RECOVERY FT./TD		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	60.0 FT.	8.0/52.0 FT.		7.0/53.0 FT.				
SAMPLE NUMBER IDENT./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 PER CENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN O.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5" 24"	N/A	N/A	N/A				60.0					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							59.0	0.5	0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL. 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			
							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.			
						50.0	10.0					
BOTTOM OF HOLE AT 10.0 FT.											DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	
BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.												
SS-SPLIT SPOON ST-SHELBY TUBE D-DEEPENOR P-PORT CHECK OTHER				SITE				MAYWOOD INTERIM STORAGE SITE				HOLE NO. MISS-50C

5/14/86



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
										FUSRAP		14501-138	1 of 1	MISS-51C	
SITE					COORDINATES					AMBLE FROM HORIZ.		BEARINGS			
MAYWOOD INTERIM STORAGE SITE					N9950 E10,250					90		N/A			
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH			
5-14-86		5-14-86		MORETRENCH ENVIRONMENTAL SERVICES			MOBILE B-33		6 IN	6.8	0.2	7.0 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	2	N/A		60.0 FT.		7.0/53.0 FT.		6.8/53.2 FT.				
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE: DIA./LENGTH				LOGGED BY:							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOGS IN GAL.	PRESSURE P.S.I.	TIME IN MINUTES								
SS 1.5" REAMED HOLE WITH 6 INCH AUGER	24"	N/A	N/A					60.0				0-0.5 FT. SILT (ML) MODERATE BROWN (5 YR 3/4) RESIDUAL SOIL. 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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.		
							59.5	0.5							
	12"	N/A	N/A					53.2 53.0	6.8 7.0		2			6.8-7.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, SILTY, WEATHERED, SATURATED.	
												BOTTOM OF HOLE AT 7.0 FT.			
												BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.			
SS-SPLIT SPOON ST-SHIELDY TUBE; D-CORING; P-PITCHER; O-OTHER												SITE	MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-51C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-13B	1 OF 1	MISS-52C	
SITE			COORDINATES				ANGLE FROM NORTH		BEARING						
MAYWOOD INTERIM STORAGE SITE			N9950 E10,150				90		N/A						
START	COMPLETED	DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-14-86	5-14-86	MOROTRENCH ENVIRONMENTAL SERVICES			MOBILE B-33		6 IN	8.0	2.0	10.0 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	60.0 FT.	7.0/53.0 FT.		8.0/52.0 FT.							
SAMPLE NUMBER 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 BLINDS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
SS 1.5" 24"	N/A	N/A	N/A	N/A				60.0				0-0.5 FT. SILT (ML) MODERATE BROWN (SYR 3/4) RESIDUAL SOIL. 0.5-8.0 FT. SAND (SC-SM) GRAYISH BROWN (SYR 3/2, 0.5-2.0 FT.), VERY LIGHT GRAY (NB, 2.0-4.0 FT.), GRAYISH ORANGE (10YR 7/4, 4.0-6.0 FT.), DUSKY BROWN (SYR 2/2, 6.0-8.0 FT.), FINE-GRAINED, VERY SILTY, MOIST. 2.0-4.0 FT. SLUDGE, PLASTIC, MOIST. 8.0-10.0 FT. SANDSTONE DUSKY RED (SR 3/4), SOFT TO MODERATELY HARD, FINE-GRAINED, MODERATELY WEATHERED, SATURATED. BOTTOM OF HOLE AT 10.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/14/86.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 5/14/86		
								59.5	0.5						
								52.0	8.0						
							50.0	10.0							
SS-SPLIT SPOON ST-SHELBY TUBE D-CORROSION P-PITCHER G-OTHER												SITE	MAYWOOD INTERIM STORAGE SITE	HOLE NO.	MISS-52C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FUSRAP		14501-138	1 of 1	MISS-53C				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9910 E9600			90		N/A				
BEGAN	COMPLETED	DRIER	DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-14-86	5-14-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33		6 IN	5.0	5.0	10.0 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	59.0 FT.	6.0/53.0 FT.		5.0/54.0 FT.				
SAMPLE NUMBER		DEPTH/FALL	CASING LEFT IN HOLE DIA./LENGTH		LOGGED BY:							
N/A		N/A	N/A		P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN O.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5" 24"	N/A	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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							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.		
							54.0	5.0		5.0-10.0 FT. SANDSTONE BLACK (N1), SOFT, FINE-GRAINED, SILTY, HIGHLY WEATHERED, SATURATED.		
						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.	

5/14/86

SS-SPLIT SPOON ST-SHELBY TUBE
D-DIAMOND POINTED OTHER

MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-53C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-130	1 OF 1	MISS-60C				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9600 E9700			90		N/A				
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL (FEET)				
5/16/86	5/16/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-33		6 IN	5.5	0.5	6.0 FT				
CORE RECOVERY (FT./%)		CORE DIAMES.	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER		DEPTH/EL. TOP OF ROCK				
N/A		N/A	1	N/A	55.9 FT	4.5/51.4 FT		5.5/50.4 FT				
SAMPLE NUMBER IDENT./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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5" 24" N/A N/A							55.9					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. 5/21/86
							54.9	1.0	1	0-1.0 FT. SILT (ML) GRAYISH BROWN (SYR 3/2), RESIDUAL SOIL		
							50.4	5.0		1.0-5.5 FT. SAND (SC-SM) LIGHT GRAY (N7), 1.0-4.0 FT), DUSKY BROWN AND BLACK (SYR 2/2, N1, 4.0-5.5 FT), FINE-GRAINED, NON-COHESIVE, DRY		
							49.9	6.0		5.5-6.0 FT. SANDSTONE, DUSKY BROWN (SYR 2/2).		
										BOTTOM OF HOLE AT 6.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5/21/86	ALGER REFUSAL AT 6.0 FT.	
<small>SS-SPLIT SPOON; ST-SHELBY TUBE; D-DEWBORN; P-PITCHER; O-OTHER</small>											<small>SITE</small> MAYWOOD INTERIM STORAGE SITE	<small>HOLE NO.</small> MISS-60C



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.			
				FLSRAP				14501-138		1 OF 1		MISS-61C			
SITE				COORDINATES				ANGLE FROM NORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9485 E9800				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP (FT.)		ROCK (FT.)		TOTAL DEPTH	
5-16-86		5-16-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE 8-33		6 IN		7.0		2.0		9.0 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		54.4 FT		4.0/50.4 FT		7.0/47.4 FT		
SAMPLE NUMBER IDENT/FALL				CASING LEFT IN HOLE DIA./LENGTH				LOGGED BY:							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLURS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOGS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24" REAMED HOLE WITH 6 IN AUGER	N/A	N/A	N/A				54.4					SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. ▽ 5/21/86			
							53.9	0.5	0-0.5 FT. SILT (ML) GRAYISH BROWN (SYR 3/2) RESIDUAL SOIL.						
									0.5-7.0 FT. SAND (SC-SM) BLACK (N1), FINE-GRAINED, SILTY, CLAYEY, VISCOUS SLUDGE.						
							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.				
SS=SPLIT SPOON ST=SHREY TUBE D=DODSON 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 HOME: 90		BEARING: N/A					
BEGIN: 5-19-86		COMPLETED: 5-19-86		DRILLER: MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL: MOBILE B-40L		HOLE SIZE: 6 IN		OVERLAP (FT): 6.0		ROCK (FT): 9.0		TOTAL DEPTH: 15.0 FT	
CORE RECOVERY (FT./30): 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 NUMBER WEIGHT/FALL: N/A				CASING LEFT IN HOLE/DIAL LENGTH: N/A				LOGGED BY: P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24" REAMED HOLE WITH 6 IN AUGER	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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.				
							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.					
							53.5	6.0		3.5-4.0 FT. LEATHER HIDES, GRAYISH GREEN (10GY 5/2).					
							10.0			6.0-15.0 FT. SANDSTONE, DUSKY BROWN (5YR 2/2), SOFT, FINE-GRAINED, HIGHLY WEATHERED, SATURATED SLUDGE.					

5/21/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

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

SITE: MAYWOOD INTERIM STORAGE SITE HOLE NO. MISS-62C



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FLSRAP	14501-138	2 OF 2	MISS-62C		
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN							44.5	15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

SPLIT SPOON STANLEY TUBE, B-BENSON, P-PITCHER, OTHER

SITE

MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-62C



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.			
				FLSRAP				14501-130		1 of 2		MISS-63C			
SITE				COORDINATES				ANGLE FROM MERID.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9650 E9500				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP (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 (%)		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 NUMBER (DEPTH/FEET)				CASING LEFT IN HOLE (DIA./DEPTH)				LOGGED BY:							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH (CORE RUN)	SAMPLE RECOVERY (%)	SAMPLE BLANK (%)	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAIN LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOGS IN O.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24" AUGER	N/A	N/A	N/A				58.5				0-4.0 FT. ASH, VERY LIGHT GRAY (NB), SILTY, DRY.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 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.					
								10.0							

5/19/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.

SS-SPLIT SPOON ST-SHELBY TUBE; D-CORRECTION PATCHED OTHER
 SITE MAYWOOD INTERIM STORAGE SITE
 HOLE NO. MISS-63C



045933

GEOLOGIC DRILL LOG						PROJECT		JOB NO.	SHEET NO.	HOLE NO.		
						FUSRAP		14501-138	2 of 2	MISS-63C		
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH CORRECTION	SAMPLE RECOVERY CORRECTION	SAMPLE BLOWS	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES						
							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
 B=BEHRMANN P=FITZGERALD O=OTHER

SITE

MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-63C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FLSRAP		14501-138	1 of 2	MISS-64C				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9595 E9400			90		N/A				
BEGIN	COMPLETED	DRIILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-19-86	5-19-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	5 IN.	14.0	6.0	20.0 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	59.5 FT.	12.0/47.5 FT.		14.0/45.5 FT.				
SAMPLE NUMBER HEIGHT/FALL		CASING LEFT IN HOLE/DRL/LENGTH			LOGGED BY:							
N/A		N/A			P. YEN							
SAMPLE TYPE AND NUMBER	SAMPLER ADVANCE LENGTH (CORE RUN)	SAMPLER RECOVERY CORE RECOVERY	SAMPLER BLOSS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5°24°	N/A	N/A				59.5					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												
							5.0					
							10.0					

5-21-86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS=SPLIT SPOON ST=STURDY TUBE
D=DRILLER P=PITCHER O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-64C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.		SHEET NO.		HOLE NO.		
				FLURAP		14501-138		2 of 2		MISS-64C		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN CAP.	PRESSURE P.S.F.	TIME IN MINUTES						
AUGER 5 INCH							45.5	14.0				
								15.0			14.0-20.0 FT. SANDSTONE LIGHT GRAY (N7), SOFT, FINE TO MEDIUM-GRAINED, VERY SILTY, POORLY CEMENTED, WEATHERED SATURATED.	
							39.5	20.0				
											BOTTOM OF HOLE AT 20.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.	

SS-SPLIT SPOON ST-SIDELBY TUBE;
D-DEBISON; P-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-64C



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.		
				FUSRAP			14501-138		1 of 2		MISS-65C		
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE				N9300		E9700		90		N/A			
BEGIN		COMPLETED		DRILLER		DRILL NAME AND MODEL		HOLE SIZE		OVERLAP (FT)		ROCK FT/J	TOTAL DEPTH
5-20-86		5-21-86		MOORE TRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		10.0		8.0	18.0 FT
CORE RECOVERY (%)			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		56.0 FT		12.0/44.0 FT		10/46.0 FT	
SAMPLE NUMBER			CASSING LEFT IN HOLE (DIAM./LENGTH)			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH (CORE FEET)	SAMPLE RECOVERY (%)	SAMPLE BLOCKS	WATER PRESSURE TESTS				ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES	PERCENT CORE RECOVERY						
SS 1.5" 24" REAMED HOLE WITH 6 IN AUGER	N/A	N/A	N/A				56.0					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.
							46.0	10.0		10.0-18.0 FT. SAND (SC-SM) MEDIUM GRAY (N5), SOFT, FINE TO MEDIUM-DRAINED, 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-DIAMETER P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-65C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
										FUSRAP		14501-138	2 of 2	MISS-65C
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOG IN C/P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 IN								38.0	18.0					
												BOTTOM OF HOLE AT 18.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-21-86.		

SS-SPLIT SPONGE ST-STEELBY TUBES
D-DERIVED BY PATCHES OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-65C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.			
				FLUSRAP		14501-138	1 of 2	MISS-66C			
SITE			COORDINATES				ANGLE FROM MERID.	BEARING			
MAYWOOD INTERIM STORAGE SITE			N9400 E9615		90		N/A				
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-21-86	5-21-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	18.0	0.0	18.0 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	56.1 FT	UNABLE TO MEASURE		N/A			
SAMPLE NUMBER BEGIN/END			CASING LEFT IN HOLE/DRL LENGTH			LOGGED BY:					
N/A			N/A			P. YEN					
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOGS	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN G.P.A.	PRESSURE P.S.I.						
SS	24"	N/A	N/A			56.1					
REAMED HOLE WITH 6 IN AUGER											
							5.0			0-11.0 FT. SILT (ML) WHITE (NB) TO VERY LIGHT GRAY (NB), SOFT, SLIGHTLY CLAYEY, SLIGHTLY PLASTIC, WITH DRY, THINLY BEDDED ASH.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
						45.1	11.0			11.0-18.0 FT. SAND (SC-SM) BLACK (M), SOFT, NONCOHESIVE, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
										DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS AND SAMPLES.	
SS-SPLIT SPACER ST-SHELBY TUBE, P-POISSON P-PITCHER O-OTHER								SITE		MAYWOOD INTERIM STORAGE SITE	
										HOLE NO. MISS-66C	



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-138	2 of 2	MISS-66C				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCED LENGTH CORE IN IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GROUND LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF BOLLING, ETC.
				LOSS IN Q/PAL	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 IN							38.1	18.0				
											<p>BOTTOM OF HOLE AT 18.0 FT.</p> <p>BECAUSE OF RIG TOWING OPERATIONS, THE BOREHOLE WAS LOST AND NOT BACKFILLED WITH CEMENT-BENTONITE GROUT.</p>	

SS-SPLIT SPOON ST-SHELBY TUBE; D-DEERSON P-PITCHER Q-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-66C



045933

GEOLOGIC DRILL LOG				PROJECT				JOB NO.		SHEET NO.		HOLE NO.			
				FLURAP				14501-130		1 OF 1		MISS-67C			
SITE				COORDINATES				ANGLE FROM NOREL		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9397 E9715				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
5-22-86		5-22-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN		8.0		2.0		10.0 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		57.2 FT		10.0/47.2 FT		8.0/49.2 FT		
SAMPLE NUMBER 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 BLANK	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24" REAMED HOLE WITH 6 IN AUGER	N/A	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.			
							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.					
							47.2	10.0							
BOTTOM OF HOLE AT 10.0 FT.											5-23-86				
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-DORRSON P-PITCHER O-OTHER				SITE				MAYWOOD INTERIM STORAGE SITE				HOLE NO. MISS-67C			



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
				FLURAP		14501-138	1 OF 1	MISS-68C					
SITE		COORDINATES				ANGLE FROM MERID.		BEARING					
MAYWOOD INTERIM STORAGE SITE		N9930 E9800				90		N/A					
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-22-86	5-22-86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		6 IN	8.0	4.5	12.5 FT					
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK					
N/A		N/A	1	N/A	59.9 FT	12.5/47.4 FT		8.0/51.9 FT					
SAMPLE NUMBER (HOLE)/ALL		CASING LEFT IN HOLE (DL./LENGTH)			LOGGED BY:								
N/A		N/A			P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH (CORE FEET)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLANK	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS	1.5"	24"	N/A	N/A				59.9					
REAMED HOLE WITH 6 IN AUGER								59.4	0.5			0-0.5 FT. CRUSHED ROCK, MEDIUM GRAY (INS) CRUSHED BASALT ROAD BASE.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
												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.	
												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.
								47.4	12.5				
BOTTOM OF HOLE AT 12.5 FT.												5/22/86	
BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-23-86.													
SS-SPLIT SPOON ST-SHELBY TUBE; D-DEERSON PPT-DEN OTHER				SITE				MAYWOOD INTERIM STORAGE SITE				HOLE NO. MISS-68C	




045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FUSRAP			14501-138	1 OF 1	MISS-69C				
SITE		COORDINATES				ANGLE FROM HORIZ.		BEARING					
		N9420 E10,005				90		N/A					
BEGIN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5/23/86	5/23/86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	7.0	2.0	9.0 FT.				
CORE RECOVERY (FT./70)		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	56.1 FT.	5.5/50.6 FT.		7.0/49.1 FT.					
SAMPLE BARREL HEIGHT/FALL			CASING LEFT IN HOLE DIA./LENGTH			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH (INCH)	SAMPLE RECOVERY (%)	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
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. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
									5.0			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.	
								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=STABILY TUBE; DR=DRUMMER; P=PISTON; D=DRILLER													
SITE								MAYWOOD INTERIM STORAGE SITE				HOLE NO.	MISS-69C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
SITE										COORDINATES		ANGLE FROM HORIZ.	BEARING	
MAYWOOD INTERIM STORAGE SITE										N91.75 E10,065		90	N/A	
BEGIN	COMPLETED	DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH				
5/23/86	5/23/86	MOORETRENCH ENVIRONMENTAL SERVICES			MOBILE B-40L		6 IN	11.0	1.0	12.0 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		49.9 FT.	3.0/46.9 FT.		11.0/38.9 FT.					
SAMPLE BITTER 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 BUOYS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 INCH								49.9						
								44.9	0.5			0-0.5 FT. SILT (ML) MODERATE BROWN (5YR 3/4), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.  5/28/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.	
												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.		
														11.0-12.0 FT. SANDSTONE DUSKY RED (5R 3/4), SOFT TO MODERATELY HARD, FINE TO MEDIUM GRAINED, SILTY, WEATHERED SATURATED.
							38.9	11.0				BOTTOM OF HOLE AT 12.0 FT.		
													BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS
SS=SPLIT SPOON ST=SHELLY TUBE, D=DIAMETER P=PATCHES, O=OTHER										SITE		MAYWOOD INTERIM STORAGE SITE		HOLE NO.
												MISS-70R		



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	WELL NO.				
				FLSRAP		14501-130	1 of 2	MISS-71C				
SITE			COORDINATES			ANGLE FROM NORTH		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9755 E9270			90		N/A				
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		WELL SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH			
5/23/86	5/23/86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		6 IN	9.0	8.5	17.5 FT.			
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK				
N/A		N/A	1	N/A	58.5 FT.	12.0/46.5 FT.		9.0/49.5 FT.				
SAMPLE NUMBER			CASING LEFT IN WELL DIA./LENGTH			LOGGED BY:						
N/A			N/A			P. YEN						
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A	N/A				58.5				0-1.0 FT. SILT (ML) PALE YELLOWISH BROWN (10YR 6/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							57.5	0.0	1	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.		
							49.5	9.0		9.0-17.5 FT. SANDSTONE BLACK (N1) SOFT, FINE-GRAINED, SILTY, MODERATELY TO HIGHLY WEATHERED, SATURATED.		
							30.0					

5-28-86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.



045933

GEOLOGIC DRILL LOG										PROJECT	JOB NO.	SHEET NO.	HOLE NO.
										FUSRAP	14501-138	2 of 2	MISS-71C
SAMPLE TYPE AUGER DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER 6 INCH.							41.0	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=DENISON P=PITCHER O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-71C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FLSRAP		14501-138		1 OF 1		MISS-72R	
SITE					COORDINATES					ANGLE FROM HORZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE					N9060 E9985					90		N/A					
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-27-86		5-27-86		MOFETRENCH 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 NUMBER 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 BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRABING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOG IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
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; DR-CORSON PATCHER-DROTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-72R



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.				
				FLURAP			14501-138		1 OF 1		MISS-73R				
SITE				COORDINATES				HOLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9015 E9875				90		N/A					
BEGIN		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		8.0		0.0		8.0 FT.	
CORE RECOVERY %/TD				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		52.1 FT.		UNABLE TO DETERMINE		N/A	
SAMPLE NUMBER 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 BLIND BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
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
D-DISSOLV P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-73R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	WELL NO.				
MAYWOOD INTERIM STORAGE SITE				FUSRAP		14501-138	1 OF 2	MISS-74R				
SITE		COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE		N9065 E9800			90		N/A					
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	WELL 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 NUMBER		DEPTH/FALL	CASING LEFT IN WELL DIA./LENGTH		LOGGED BY:							
N/A		N/A	N/A		P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS IN PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH							52.8				0-1.0 FT. SILT (ML) PALE BROWN (5YR 5/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							51.8	1.0		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.		
							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.		
								10.0				

5/28/86

DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

SS-SPLIT SPOON; ST-SHELBY TUBE; DR-DRENNISON; PP-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

WELL 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	SAMPLE ADVANCE LENGTH CORRECTION	SAMPLE RECOVERY CORRECTION	SAMPLE BLOBS BY PERCENT CORRECTION	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE (P.S.I.)	TIME IN MINUTES						
AUGER 6 INCH							38.8	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.				
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9130 E9800				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		MOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
5/27/86		5/27/86		MORTRENTCH ENVIRONMENTAL SERVICES		MOBLE 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.		
SAMPLE NUMBER 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 COLORS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GROUP LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 6 INCH							51.5								
							50.5	0.5			0-0.5 FT. SILT (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 5-28-86.			
							46.5	5.0			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.				
											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.				
												DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.			

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-75R



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FLSRAP	14501-138	2 of 2	MISS-75R		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 6 INCH							36.5	15.0				
											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=DENISON P=PITCHER O=OTHER

SITE

MAYWOOD INTERM STORAGE SITE

HOLE NO.

MISS-75R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FLSRAP		14501-138	1 of 2	MISS-76C	
COORDINATES										N9100 E9740		MILE FROM HORIZ.	BEARING		
DATE	COMPLETED	DRILLER	MACHINE	DRILL MANT AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH							
5/27/06	5/27/06	MOORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	5.0	10.0	15.0								
CORE RECOVERY (%)	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 NUMBER	CORING LEFT IN HOLE (DIAM./LENGTH)	LOGGED BY													
N/A	N/A	P. YEN													
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH (CORE PAR)	SAMPLE RECOVERY (CORE RECOVERY)	SAMPLE LOSS (%)	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A	N/A				53.0				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.			
							52.0	1.0	1	1.0-5.0 FT. SAND (SC-SM) WHITE (M9, 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.					
							48.0	5.0		5.0-15.0 FT. SANDSTONE BLACK (M1, 5.0-15.0 FT.) SOFT, FINE TO MEDIUM-GRAINED, SILTY NON-PLASTIC TO POORLY CEMENTED, HIGHLY WEATHERED, MOIST TO SATURATED, WITH STRONG H ₂ S ODOR.					
							40.0					DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.			

SS-SPLIT SPOON ST-SHELBY TUBE
D-CORNER D-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	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
							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 TUBES
 D=DERRISON P=PITCOCK O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-76C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										N8980 E9930		14501-138	1 OF 1	MISS-77C
DATE	COMPLETED	DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
5/28/86	5/28/86	MIDTRENCH ENVIRONMENTAL SERVICES			MOBILE B-40L		6 IN	1.0	5.0	6.0 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		51.0 FT.		DRY		1.0/50.0 FT.				
SAMPLE NUMBER (VOIDS/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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
SS 1.5" 24" REAMED HOLE WITH 6 INCH AUGER	N/A	N/A	N/A				51.0				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. GROUND WATER LEVEL MEASURED ON 5-28-86.		
							50.0	1.0		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.				
							46.0	6.0						
											BOTTOM OF HOLE AT 6.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.			

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-77C



045933

GEOLOGIC-DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-138	1 OF 1	MISS-78C				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9135 E10,035			90		N/A				
BEGIN	COMPLETED	DRILLER	DRILL UNIT AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5/28/86	5/28/86	MOIRE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L	6 IN	0.5	5.5	6.0 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	53.0 FT.	DRY		0.5/52.5 FT.				
SAMPLE NUMBER WEIGHT/FALL		CASING LEFT IN HOLE DIA./LENGTH			LOGGED BY:							
N/A		N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE PER	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLINDS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	CORING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.F.	TIME IN MINUTES						
SS	1.5"	24"	N/A	N/A			53.0					
REAMED HOLE WITH 6 INCH AUGER							52.5	0.5			0-0.5 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. GROUND WATER LEVEL MEASURED ON 5/28/86
											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.	
							47.0	6.0			BOTTOM OF HOLE AT 6.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-28-86.	
SS-SPLIT SPOON ST-SHELBY TUBE, D-DEBRIS P-PITCHER O-OTHER											DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	
SITE								MAYWOOD INTERIM STORAGE SITE			HOLE NO.	MISS-78C



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138	1 of 2	MISS-79R
SITE			COORDINATES				ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE			N9150 E9670				90		N/A					
BEGIN	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 NUMBER BEHIND/TALL		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 BLEND %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOGS IN S.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES							
SS 1.5"	24"	N/A	N/A					54.2				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.	
								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 SPIND ST-SHELBY TUBE
D-DIAMETER P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-79R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.			
				FLSRAP		14501-138	2 of 2	MISS-79R			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	TIME IN MINUTES						
AUGER 6 INCH							15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-79R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE				N9350 E9550		14501-138	1 OF 2	MISS-80C					
DATE		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	9.0	6.0	15.0 FT.		
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	BL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER		DEPTH/EL. TOP OF ROCK					
N/A		N/A	1	N/A	56.8 FT.	8.0/48.8 FT.		9.0/47.8 FT.					
SAMPLE NUMBER		DEPTH/FALL	CASING LEFT IN HOLE DIA./LENGTH		LOGGED BY								
N/A		N/A	N/A		P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH (CORE DIA.)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLURS	WATER PRESSURE TESTS	LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES	ELEVATION	DEPTH	DRAPE LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
SS 1.5" 24"	N/A	N/A	N/A					56.8					
								56.3	0.5				0-0.5 FT. SILT (ML) MODERATE BROWN (5R 3/4), RESIDUAL SOIL.
								47.8	9.0			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.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
									10.0				

5/30/86

SE-SPLIT SPOON ST-SHELBY TUBES
D-DEERSON P-MPTCHEN, O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-80C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLURAP		14501-138	2 of 2	MISS-80C				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE INCH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES						
							4.8	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		JOB NO.	SHEET NO.	HOLE NO.				
				FLURAP		14501-138	1 of 1	MISS-81R				
SITE			COORDINATES			ANGLE FROM NORTH		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9280 E9550			90		N/A				
START	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 FT.	3.0 FT.	13.0 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	57.1 FT.	12.0/45.1 FT.		10.0/47.1 FT.				
SAMPLE NUMBER 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRADING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOG IN G.P.A.L.	PRESSURE P.L.J.	TIME IN MINUTES						
AUGER 5 INCH							57.1					
							56.1	3.0		0-1.0 FT. SILT (ML) PALE YELLOWISH BROWN (10YR 7/2) RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.	
								5.0		1-10.0 FT. SAND (SC-SM) WHITE (M9), FINE TO VERY FINE-GRAINED, SILTY, CLAYEY, SLIGHTLY PLASTIC TO NON-PLASTIC, MOIST, WITH ASH AND SLUDGE.		
							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.	
							44.1	13.0				
										BOTTOM OF HOLE AT 13.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.		

5/30/86

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

NOTE


MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-81R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-138	1 of 2	MISS-82C				
SITE			COORDINATES				ANGLE FROM HORIZ.	BEARING				
MAYWOOD INTERIM STORAGE SITE			N9300		E9600		90	N/A				
BEGUN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERLUBER (FT.)	ROCK (FT.)	TOTAL DEPTH			
5-29-86	5-29-86	MOORE TRENCH 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	56.6 FT.	10.0/46.6 FT.		10.0/46.6 FT.				
SAMPLE NUMBER HEIGHT/FALL		CASING LEFT IN HOLE/DRL. LENGTH			LOGGED BY:							
N/A		N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS 1.5"	24"	N/A	N/A				56.6				0-10.0 FT. SAND (SC-SM) WHITE (M9), 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-DEBRIS, P-PATCHES, 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 PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 5 INCH							4.6	15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-82C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.						
				FLSRAP		14501-138	1 of 2	MISS-83C						
SITE			COORDINATES				ANGLE FROM HORIZ.	BEARING						
MAYWOOD INTERIM STORAGE SITE			N9350 E9475				90	N/A						
BEGAN	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 NUMBER (HOLE/FALL)			CASING LIST IN HOLE (DIA./LENGTH)			LOGGED BY:								
N/A			N/A			P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH (COR. RUN)	SAMPLE RECOVERY COR. RECOVERY	SAMPLE BLANK	LOSS IN PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES							
SS 1.5" 24"	N/A	N/A					57.3					0-10.0 FT. SAND (SC-SM) PALE BROWN (SYR 5/2, 0-6.0 FT.), GRAYISH BROWN (SYR 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.	
REAMED HOLE WITH 5 INCH AUGER													Eberline Analytical Corporation performed gamma logging.	
							47.3	5.0				10.0-15.0 FT. SANDSTONE BLACK (N1) TO GRAYISH BLACK (N2), SOFT, FINE TO MEDIUM-GRAINED, POORLY CEMENTED, SILTY WEATHERED, MOIST.	GROUND WATER LEVEL MEASURED ON 5/30/86	
SS-SPLIT SPOON ST-SHELBY TUBE D-DIAMETER P-PITCHER O-OTHER													DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.	
SITE											MAYWOOD INTERIM STORAGE SITE		HOLE NO.	MISS-83C



045933

GEOLOGIC DRILL LOG						PROJECT		JOB NO.	SHEET NO.	HOLE NO.		
						FLSRAP		14501-138	2 OF 2	MISS-83C		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS % PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 5							42.3	15.0				
											<p>BOTTOM OF HOLE AT 15.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.</p>	
SS=SPLIT SPOON; ST=SHELBY TUBE; D=DENISON; P=PITCHER; O=OTHER						SITE		MAYWOOD INTERIM STORAGE SITE			HOLE NO.	MISS-83C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FLUSRAP		14501-138	1 of 2	MISS-84C				
SITE		COORDINATES				ANGLE FROM HORIZ.		BEARING				
		N9400 E9500				90		N/A				
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERLAP (FT.)	ROCK (FT.)	TOTAL DEPTH				
5-29-86	5/30/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		5 IN.	11.0	5.0	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	1	N/A	56.5 FT.	10.0/46.5 FT.		11.0/45.5 FT.				
SAMPLE NUMBER IDENT./ALL		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 BLUWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLER, ETC.
					LOGS IN G.P.A.	PRESSURE P.S.I.						
SS	1.5"	24"	N/A	N/A			56.5					
REAMED HOLE WITH 5 INCH AUGER												
							56.0	0.5		1	1-0.5 FT. SILT (ML) GRAYISH BROWN (SYR 3/2), RESIDUAL SOIL. 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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							45.5	11.0			11.0-16.0 FT. SANDSTONE BLACK (N1) SOFT, FINE TO MEDIUM-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, SATURATED.	ADVANCED HOLE BY AUGER DRILLING ON 5-30-86. 5/30/86 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-84C



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FLSRAP	14501-138	2 OF 2	MISS-84C			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES						
AUGER 5 INCH							40.5	15.0 16.0				
											<p>BOTTOM OF HOLE AT 16.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.</p>	

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				JOB NO.		SHEET NO.		HOLE NO.			
				FLUSRAP				14501-138		1 of 2		MISS-85C			
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE				N9430 E9415				90		N/A					
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERLAP (FT.)		ROCK (FT.)		TOTAL DEPTH	
5-30-86		5-30-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		5 IN.		11.0		4.0		15.0 FT.	
CORE RECOVERY (FT./%)			CORE BOXES		SAMPLES		DL. TOP OF CASING		GROUND DL.		DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK		
N/A			N/A		1		N/A		56.0 FT.		UNABLE TO MEASURE		11.0/45.0 FT.		
SAMPLE NUMBER WEIGHT/FALL				CASING LEFT IN HOLE (IN./LENGTH)				LOGGED BY							
N/A				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE APPROX. LENGTH (CORE IN.)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLURS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN CHARACTER OF DRILLING, ETC.			
				LESS IN O.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
SS 1.5" 24"	N/A	N/A	N/A				56.0				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			
							45.0			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-DODGSON PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-85C



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.	
				FLURAP			14501-138		2 of 2		MISS-85C	
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
Auger 5 INCH							410	15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 5-30-86.	

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-85C



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
				FUSRAP		14501-138	1 OF 2	MISS-86C					
SITE			COORDINATES				ANGLE FROM MERID.	BEARING					
MAYWOOD INTERIM STORAGE SITE			N9500		E9600		90	N/A					
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
5-30-86	5-30-86	MOORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-40L		5 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	57.0 FT.	UNABLE TO MEASURE		N/A					
SAMPLE RAMMER DEPTH/FALL			CASING LEFT IN HOLE/DIAL LENGTH			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE (IN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLANK	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
SS	1.5" 24"	N/A	N/A					57.0				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.
REAMED HOLE WITH 5 INCH AUGER													
								50.0	7.0			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.	DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
RE-SPILT SPOON ST-SHELBY TUBE; DISCARDING PITCHER; 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
							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=DENISON P=PITCHER 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		1 of 2		MISS-87R			
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE				N9995 E9900				90		N/A			
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)			
6-2-86		6-2-86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-40L		5 IN.		14.0 FT.			
CORE RECOVERY (FT./70)		CORE BONES		SAMPLES		EL. TOP OF CASING		GROUND EL.		DEPTH/VEL. GROUND WATER			
N/A		N/A		N/A		N/A		59.5 FT.		UNABLE TO MEASURE			
SAMPLE NUMBER WEIGHT/FALL			CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH	SAMPLE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOGS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
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	1.0			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	
													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-87R



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FUSRAP	14501-138	2 of 2	MISS-87R			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORRECTION	SAMPLE RECOVERY CORRECTION	SAMPLE BLOWS	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAIN LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
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.	
							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-DENISON; P-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-87R



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	MOLE NO.				
				FUSRAP		14501-138	1 of 2	MISS-89R				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9295 E9705			90		N/A				
BEGIN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		MOLE 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 (%)		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 NUMBER WEIGHT/FALL			CASING LEFT IN MOLE 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
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.
							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; B-DORRISON P-PITCHER; O-OTHER				SITE				MAYWOOD INTERIM STORAGE SITE			MOLE NO. MISS-89R	



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FUSRAP	14501-138	2 OF 2	MISS-89P		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE, LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS OR PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 5 INCH							40.5	15.0 16.0				
											<p>BOTTOM OF HOLE AT 16.0 FT.</p> <p>BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-88.</p>	

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

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-89R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138	1 of 1	MISS-90C
SITE					COORDINATES					MILE FROM HORIZ.		BEARING		
MAYWOOD INTERIM STORAGE SITE					N9200		E9900			90		N/A		
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH		
6-3-86		6-3-86		MORE TRENCH ENVIRONMENTAL SERVICES			MOBILE B-40L		5 IN	7.0 FT.	4.5 FT.	11.5 FT.		
CORE RECOVERY (FT./%)			CORE BOXES		SAMPLES	EL. TOP OF CASING		GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK			
N/A			N/A		1	N/A		55.0 FT.	9.0/46.0 FT.		7.0/46.0 FT.			
SAMPLE NUMBER HEIGHT/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 BLOCK PERCENT CORE RECOVERY LOSS IN G.P.A. PRESSURE P.S.I. TIME IN MINUTES ELEVATION DEPTH GRAPHIC LOG SAMPLE	SS		1.5" 24'		N/A		N/A							
	REAMED HOLE WITH 5 INCH AUGER										0-1.0 FT. <u>SILT</u> (ML) MODERATE BROWN (5YR 3/4) RESIDUAL SOIL.		NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC. SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.	
											1.0-2.0 FT. <u>SANDSTONE</u> BLACKISH RED (5R 2/4), MODERATELY HARD, WITH 2 INCH GRAVEL.			
											2.0-7.0 FT. <u>SAND</u> (SC-SM) GRAYISH BROWN TO DUSKY BROWN (5YR 3/2, TO 5YR 2/2) FINE TO MEDIUM-GRAINED, SILTY, MOIST.			
											7.0-11.5 FT. <u>SANDSTONE</u> VERY DARK RED (5R 2/5), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, MOIST TO SATURATED.			
										48.0 7.0		6/6/86		
										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-DIAMOND P-PITCHER O-OTHER										SITE MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-90C		



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
MAYWOOD INTERIM STORAGE SITE				FLSRAP		14501-138	1 OF 2	MISS-92R				
SITE		COORDINATES				ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE		N9650		E9300		90		N/A				
BEGIN	COMPLETED	DRIILLER	DRIILL 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 NUMBER		WEIGHT/FALL		CASING LEFT IN HOLE/DIA./LENGTH		LOGGED BY:						
N/A		N/A		N/A		P. YEN						
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE INCH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOTS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER 5 INCH							58.0				0-1.5 FT. <u>SILT</u> (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
							56.5	1.5		1.5-15.0 FT. <u>SAND</u> (SC-SM) WHITE (N9, 1.5-10.0 FT.), SCATTERED THIN VARVES OF BLACK (N), 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.	
								5.0				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-DODDSON 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN C/PAL	PRESSURE P.S.I	TIME IN MINUTES						
AUGER 5 INCH							43.0	15.0			15.0-17.0 FT. SANDSTONE VERY DARK RED (SR 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, 5-6-86.	

SS=SPLIT SPOON ST=SHIELBY TUBE
D=DENISON P=PITCHEL 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-94R				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS "M"	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON: WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
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;
 O-DEMINISON; P-PITCHER; O-OTHER

SITE

MAYWOOD INTERJM STORAGE SITE

HOLE NO.
MISS-94R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138		1 OF 1		MISS-95R	
COORDINATES										N9860		E9415		ANGLE FROM HORIZ.		BEARING	
MAYWOOD INTERIM STORAGE SITE										N9860		E9415		90		N/A	
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL			HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
6-5-86		6-5-86		MORETRENCH ENVIRONMENTAL SERVICES			MOBILE B-33			5 IN.		8.0 FT.		5.0 FT.		13.0 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.		9.0/42.5 FT.			8.0/43.5 FT.			
SAMPLE BARREL HEIGHT/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				ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.			
					LOS IN IN	G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES									
AUGER 5 INCH								51.5									
								51.0	0.5			0-0.5 FT. SILT (ML) DUSKY BROWN (SYR 2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.				
												0.5-8.0 FT. SAND (SC-SM) MODERATE BROWN (SYR 3/4), FINE-GRAINED, SILTY, MOIST TO 4.0 FT., SATURATED 4.0-8.0 FT					
									43.5	8.0			8.0-13.0 FT. SANDSTONE BLACK (NI), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, WEATHERED, SATURATED.	▽ 6/6/86			
								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, D-DODDSON P-PITCHER, O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-95R



045933

GEOLOGIC DRILL LOG			PROJECT			JOB NO.	SHEET NO.	SOLE NO.							
MAYWOOD INTERIM STORAGE SITE			FLURAP			14501-138	1 of 1	MISS-97R							
SITE		COORDINATES				ANGLE FROM HORIZ.		BEARING							
		N10010 E9995				90		N/A							
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN FT/J	ROCK FT/J	TOTAL DEPTH						
6-5-86	6-5-86	MOORE TRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		5 IN.	5.0 FT.	7.0 FT.	12.0 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.	8.5/51.5 FT.		5.0/55.0 FT.							
SAMPLE NUMBER WEIGHT/FULL		CASING LEFT IN HOLE EL./LENGTH			LOGGED BY										
N/A		N/A			P. YEN										
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER 5 INCH								60.0							
								59.5	0.5			0-0.5 FT. <u>SILT</u> (ML) GRAYISH BROWN (5YR 3/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.		
								55.0	5.0			5.0-12.0 FT. <u>SANDSTONE</u> VERY DARK RED (5R 2/6), SOFT TO MODERATELY HARD, FINE TO MEDIUM-GRAINED, SILTY, POORLY CEMENTED, WEATHERED, MOIST TO SATURATED.			
							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-DEERSON P-PITCHER OTHER								SITE				MAYWOOD INTERIM STORAGE SITE		HOLE NO. MISS-97R	

6/6/86



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-138	1 OF 2	MISS-98R				
SITE			COORDINATES			ANGLE FROM MORG.		BEARING				
MAYWOOD INTERIM STORAGE SITE			N9025 E9850			90		N/A				
BEGIN	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 NUMBER		CASING LEFT IN HOLE, DIA./LENGTH		LOGGED BY:								
N/A		N/A		P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE INCH	SAMPLE RECOVERY COPE RECOVERY	SAMPLE BLOBS BY PERCENT COPE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
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. 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.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							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.

▽ 6/6/86

SS-SPLIT SPOON ST-SHELBY TUBE; SITE MAYWOOD INTERIM STORAGE SITE HOLE NO. MISS-98R
 D-DENISON P-PITCHER O-OTHER



045933

GEOLOGIC DRILL LOG						PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
						FLUSRAP		14501-138	2 of 2	MISS-98R	
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS %	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF SPILLING, ETC.
				LOSS IN G.P.M.	TIME IN MINUTES						
AUGER 5 INCH						37.0	15.0			BOTTOM OF HOLE AT 15.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 6-6-86.	AUGER REFUSAL AT 15.0 FT.

SS=SPLT; SPOON; ST=SHIELBY TUBE;
 D=DREXON; 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	14501-130	1 OF 1	MISS-206R					
SITE				COORDINATES			ANGLE FROM HORIZ.						
MAYWOOD INTERIM STORAGE SITE				N9750, E9500			90°						
BEGAN	COMPLETED	DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
7/16/86	7/16/86	MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-33		6"	25.0'	0.0'	25.0'				
CORE RECOVERY (FT./20)		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 NUMBER WEIGHT/FALL			CASING LEFT IN HOLE/DIAL/LENGTH			LOGGED BY:							
N/A			N/A			D. MCGRAME							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH/ CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE IN OPS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN FT. C.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER, 6" THROUGHOUT.								58.4	0				
								57.8				0.0-0.6' SILTY SAND (SM-SC) MODERATE BROWN (SYR3/4) FINE GRAINED; SOFT; DENSE IN PLACE; CLAY BINDER; NUMEROUS ORGANICS; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.
							54.9	5			0.6-3.5' SANDY SILT (ML-CL) DISCONTINUOUS LENSES OF THE FOLLOWING COLORS: WHITE (M), DARK GREENISH GRAY (SG4/D), BLACK, AND PALE YELLOWISH BROWN (10YR6/2); SOFT; DENSE IN PLACE; CLAY BINDER; FEW ORGANICS; VERY MOIST (SLUDGE?).		
									10			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 SPOILS AT 10.0 FT; FINE TO MEDIUM GRAINED.	
								20			18.0-25.0' GRAYISH BLACK (M) FINE TO MEDIUM GRAINED.		
								33.4	25				BOTTOM OF HOLE AT 25.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/10/86.

7/17/86

SE-SPLR SPOON ST-SHELBY TUBE
D-DEBRID P-PT CHECK O-OTHER

SITE MAYWOOD INTERIM STORAGE SITE

HOLE NO. MISS-206R



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.		
MAYWOOD INTERIM STORAGE SITE				FUSRAP			14501-130		1 OF 1		MISS-211R		
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE				N9555, E9390				90°		N/A			
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)	TOTAL DEPTH
7/18/86		7/18/86		MORE TRENCH ENVIRONMENTAL SERVICES		MOBILE 8-33		6"		9.0'		0.0'	9.0'
CORE RECOVERY (FT./TD)			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 NUMBER BEG/END/FALL				CASING LEFT IN HOLE/DIA./LENGTH				LOGGED BY:					
N/A				N/A				D. McGRANE					
SAMPLE TYPE AND DIAMETER	SAMPLE GRAIN SIZE LENGTH CORRECTION	SAMPLE RECOVERY CORE RECOVERY	SAMPLE IN ONE % PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN P.S.I.	PRESSURE P.S.I.	TIME IN MINUTES							
AUGER, 6" THROUGHOUT.							57.0	0			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-B) 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=DEBRIS P=PT CHEN O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-211R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE										FUSRAP		14501-138		1 OF 1		MISS-212R	
COORDINATES										N9475, E9550		ANGLE FROM HORIZ.		BEARING		N/A	
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL			HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH	
7/18/86		7/18/86		MORE TRENCH 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 NUMBER				DEPTH/FALL				CASING LEFT IN HOLE DIA./LENGTH				LOGGED BY:					
N/A				N/A				N/A				D. McGRANE					
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE IN QWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.				
					LOSS IN P. G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES										
AUGER 6" THROUGHOUT.							54.2	0				0.0-10.0': SILTY SAND (SM-SC) FINE GRAINED, SOFT DENSE IN PLACE; CLAY BINDER; MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. 7/12/86 EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.				
								5				0.0-0.5' GRAY (G-9) FEW ORGANICS (FILL?) MOIST.					
								10				5.0-8.0': ALTERNATING 0.25-2.5' LENSES OF MODERATE YELLOWISH BROWN (OYR5/4) AND GREENISH GRAY (SG6/D) VERY CLAYEY, SATURATED. 8.0-10.0': GRAYISH BLACK (G2) NUMEROUS ORGANICS; SATURATED.					
							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-DEBRIS; P-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE

HOLE NO.

MISS-212R



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES N9720.E9225				ANGLE FROM HORIZ. 17°		BEARING S60W	
BEGIN 7/14/86		COMPLETED 7/15/86		DRILLER MORETRENCH ENVIRONMENTAL SERVICES			DRILL MAKE AND MODEL MOBILE B-80		HOLE SIZE 6"	OVERBURDEN (FT) 57.0'	ROCK (FT) 0.0'	TOTAL DEPTH 57.0'					
CORE RECOVERY (FT/100) 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 NUMBER HEIGHT/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 BLOW IN PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRIPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION #	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
				LOSS IN P.S.I.	TIME IN MINUTES												
AUGER 6" THROUGHOUT.						60.0	0			0.0-2.0' SILT (ML); DUSKY BROWN (SYR2/2); RESIDUAL SOIL, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA-LOGGING. GROUND WATER LEVEL MEASURED ON 7/18/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.						
						59.4	5			2.0-33.0' SAND (SC-SM); DUSKY RED (SR3/4); FINE GRAINED, SILTY DRY, WITH COBBLES UP TO 6" IN DIAMETER AT 6 FT AND AT 13 FT.							
						50.4	30										
						49.7	35			33.0-35.0' SILT (ML); MODERATE BROWN (SYR3/4); WITH WHITE SPECKS, DRY, SANDY.							

GS=SPLIT SPOON; ST=SHELLY TUBE; D=DREISBORN PITCHER; O=OTHER

SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-301S



045933

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 IN FEET	SAMPLE RECOVERY CORRECTION	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN O.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
							43.3	57.0			35.0-57.0: SLUDGE (SILT) VERY LIGHT GRAY TO LIGHT GRAY ONE-NET, 35-38 FT. MEDIUM GRAY TO DARK GRAY ONE-NET, 38-57 FT. SOFT, MOIST, SLIGHTLY PLASTIC.	
											BOTTOM OF HOLE AT 57.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/66.	
SS-SPLIT SPOON; ST-SHELBY TUBE; D-DICKINSON; P-PATCHER; O-OTHER						SITE	MAYWOOD INTERIM STORAGE SITE-ROUTE 17			HOLE NO.	MISS-301S	



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES N9715, E9225				ANGLE FROM HORIZ. 9°		BEARING S65W	
BEGIN 7/15/86		COMPLETED 7/16/86		DRILLER MORETRENCH 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 7/30 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 BRANNER HEIGHT/FALL N/A				CASING LEFT IN HOLE/DIAL LENGTH N/A				LOGGED BY: P. YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE RECOVERY %	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRABING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
				LOSS IN FLUID G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES											
AUGER, 6", THROUGHOUT.							64.0	0			0.0-2.0': SILT (ML); DUSKY BROWN (SYR2/2); RESIDUAL SOIL. MOST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/16/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.					
							63.7				2.0-47.0': SAND (SC-SM); DUSKY RED (SR 3/4); FINE GRAINED, SILTY, DRY.						



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FLISRAP	14501-138	2 of 3	MISS-3025			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
						56.6	40					
							45					
							50				47-D-80.0: SANDSTONE; DUSKY RED (SR3/4), MODERATELY HARD, SILTY, DRY. SOME SOFT SANDSTONE BELOW 55 FT. LIGHT GRAY (N7) SLUDGE AT 74-80 FT.	
							55					
							60					
							65					
							70					
							75					
SPLIT SPOON ST-SHELBY TUBE; DENISON PATCHEN OTHER						SITE	MAYWOOD INTERIM STORAGE SITE-ROUTE 17			HOLE NO.	MISS-3025	



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	WELL NO.			
						FUSRAP	14501-138	3 of 3	MISS-3025			
SAMPLE TYPE AND DIAMETER	SAMPLE INTERVAL (LENGTH OF CORE RUN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS OR POUNDAGE CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	DRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
							51.5	80				
											BOTTOM OF HOLE AT 80.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.	

SE-SPILT SPOON ST-SHELBY TUBE
 B-BIRMINGHAM P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

WELL NO.

MISS-3025



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				FUSRAP		14501-138	1 OF 2	MISS-3035					
COORDINATES				N9755, E9200		ANGLE FROM HORIZ.		BEARING					
						10°		S78W					
BEGAN	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 NUMBER		WEIGHT/FALL	CASING LEFT IN HOLE: DIA./LENGTH		LOGGED BY:								
N/A		N/A	N/A		P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE IN IN.	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN FT.	P. G.P.H.	PRESSURE P.S.I.						
AUGER, 6" THROUGHOUT.								59.0	0			0.0-1.0' SILT (ML); MODERATE BROWN (SR3/4), RESIDUAL SOIL, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/18/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
								58.8	5			1.0-35.0' SAND (SC-SM); DUSKY RED (SR3/4), FINE GRAINED, SILTY, TRACE OF 1/2" MIN. ROUNDED GRAVEL AND SANDSTONE FRAGMENTS, DRY.	
								52.9	35				

SS=SPLIT SPOON ST=SHREY TUBE; D=DEANSON P=PARTICOR O=OTHER

SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-3035



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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GROUP LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.						
						52.2				35.0-39.0: SLUDGE (SILT); MEDIUM GRAY GMS, SLIGHTLY PLASTIC, MOIST.	
						51.9	40 41.0			39.0-41.0: SANDSTONE; DUSKY RED (SRS/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=DIAPHRAGM P=PITCHER O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-303S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES		14501-138	1 OF 1	MISS-304S
										N9590, E9290		ANGLE FROM HORIZ.	10°	BEARING
BEGIN	COMPLETED	DRILLER			DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH				
7/17/86	7/18/86	MORTRECH 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 NUMBER WEIGHT/FALL			CASING LEFT IN HOLE, DIA./LENGTH			LOGGED BY:								
N/A			N/A			P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE IN LBS. PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAB LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS BY P. GAL.	PRESSURE IN P.S.I.	TIME IN MINUTES								
AUGER, 6" THROUGHOUT.							59.0	0						
							58.8							
								5						
								10						
								15						
								20						
								25						
								30						
								35						
							52.9	35						
0.0-1.0' SILT (ML) DUSKY BROWN (SYR2/Z), RESIDUAL SOIL, MOIST. 1.0-35.0' SAND (SC-SM); DUSKY RED (SR3/4), FINE GRAINED, SILTY, SLIGHTLY CLAYEY, DRY.										SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/18/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.				
35.0' CONCRETE ENCOUNTERED AT 35.0 FT, SUSPECT BRIDGE PIER. BOTTOM OF HOLE AT 35.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/18/86.														
SS=SPLIT SPOON; ST=SHIELD TUBE; D=DEINSON PATCHER; O=OTHER										SITE		MAYWOOD INTERIM STORAGE SITE-ROUTE 17	HOLE NO.	MISS-304S



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
				FUSRAP		14501-138	1 OF 2	M155-3055					
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING					
MAYWOOD INTERIM STORAGE SITE-ROUTE 17			N9500,E9325			22.5°		S60W					
BEGAN	COMPLETED	DRILLER	DRILL MARK 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	GRINDING 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 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			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN PRESSURE (P.S.I.)	TIME IN MINUTES	TIME IN MINUTES						
AUGER, 6", THROUGHOUT.								60.0	0				
								59.6	60			0.0-60': SILT (ML); MODERATE BROWN (5YR3/4) RESIDUAL SOIL. 60-35.0': SAND (SC-SM); MODERATE BROWN (5YR3/4), 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.
								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 PER.	
<small>SS=SPLIT SPOON ST=SHREVEY TUBE; D=DOWNHOLE PITCHER; O=OTHER</small>										SITE		HOLE NO.	
										MAYWOOD INTERIM STORAGE SITE-ROUTE 17		M155-3055	



045933

GEOLOGIC DRILL LOG						PROJECT		JOB NO.	SHEET NO.	HOLE NO.		
						FUSRAP		14501-138	2 OF 2	MISS-305S		
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN S.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
							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-DEWBOR; P-PYPTCHER; OTHER

WTL

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-305S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES N9400, E9400				ANGLE FROM HORIZ. 23°		BEARING S55W	
BEGIN 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 (COR. IN)	SAMPLE RECOVERY (COR. RECOVERY)	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.				
					LOSS IN FLUID	PRESSURE (P.S.I.)	TIME IN MINUTES										
AUGER, 6", THROUGHOUT.							65.0	0				0.0-10.0: SILT (ML); DUSKY BROWN (5YR2/2), RESIDUAL SOIL. MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBYLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 7/25/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.				
						64.6	1.0				10-50.0: SAND (SC-SM); MODERATE BROWN (5YR4/4, L0-35.0 FT); LIGHT GRAY (N7, 35.0-50.0 FT); FINE GRAINED, SILTY, DRY TO 35.0 FT, MOIST 35.0-50.0 FT.						
								5									
								10									
								15									
								20									
								25									
								30									
								35									
	SS=SPLIT SPONGE ST=SHELLY TUBE; DR=DRIBBLE; P=PITCHER; O=OTHER										SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17			HOLE NO. MISS-306S			



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.	
						FUSRAP	14501-138	2 OF 2	MISS-306S	
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOBS	WATER PRESSURE TESTS	ELEVATION	DEPTH	GRAIN LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					45.5	60				
									BOTTOM OF HOLE AT 60.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

SS=SPLIT SPOON ST=SHELLY TUBE
D=DIMENSION P=PITCHER O=OTHER

NOTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-306S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES		FUSRAP	14501-138	1 OF 1	MISS-3075
DATE	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERLUBED (FT.)	ROCK (FT.)	TOTAL DEPTH	ANGLE FROM HORIZ.	BEARING	N/A	N/A	N/A	N/A	N/A	N/A
7/21/86	7/22/86	MIDRE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	30.0'	0.0	30.0'	22.5°	S46W	N/A	N/A	N/A	N/A	N/A	N/A
CORE RECOVERY (FT./70)	CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER	DEPTH/VEL. TOP OF ROCK	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	60.0'	DRY	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE NUMBER	DEPTH/FALL	CASING LEFT IN HOLE/DIA./LENGTH	LOGGED BY:	P. YEN	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE RECOVERY %	WATER PRESSURE TESTS	ELEVATION	DEPTH	GRAVIM LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.					
AUGER, 6" THROUGHOUT.				LOSS IN G.P.M. / TIME IN MINUTES	60.0	0			0.0-30.0: SAND (SC-SM); MODERATE REDDISH ORANGE (OYR/S, 0.0-25.0 FT); MEDIUM LIGHT GRAY ONG, 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.						

IS-SPLIT SPONGE ST-SHELBY TUBE;
D-DIMENSION PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3075



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
MAYWOOD INTERIM STORAGE SITE-ROUTE 17										FUSRAP		14501-138	1 OF 2	M155-308S
MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES		ANGLE FROM HORIZ.		BEARING
										N9290,E9490		14°		S48W
BEGIN		COMPLETED		DRILLER		DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH			
7/22/86		7/22/86		MORETRENCH ENVIRONMENTAL SERVICES		MOBILE B-80		6"	40.0	0.0	40.0'			
CORE RECOVERY(FT./20)		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		62.0'		DRY		N/A		
SAMPLE NUMBER 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 BLUWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
					LOSS IN P.S.I.	PRESSURE IN P.S.I.	TIME IN MINUTES							
AUGER, 6", THROUGHOUT.							62.0	0				0.0-40.0' SAND (SC-SM) MODERATE REDDISH ORANGE (DR6/5), 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; DR-DRISCOLL P-PITCHER O-OTHER

NOTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

M155-308S



045933

GEOLOGIC DRILL LOG							PROJECT	JOB NO.	SHEET NO.	HOLE NO.		
							FUSRAP	14501-138	2 OF 2	MISS-308S		
SAMPLE TYPE AND DIAMETER	SAMPLE LENGTH CORRECTION	SAMPLE RECOVERY CORRECTION	SAMPLE LOSS %	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
							52.3	40				
											BOTTOM OF HOLE AT 40.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

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

SITE

MAYWOOD INTERIM
 STORAGE SITE-ROUTE 17

HOLE NO.

MISS-308S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
MAYWOOD INTERIM STORAGE SITE-ROUTE 17										FUSRAP		14501-138		1 OF 2		MISS-309S	
SITE					COORDINATES					ANGLE FROM HORIZ.			BEARING				
MAYWOOD INTERIM STORAGE SITE-ROUTE 17					N9225, E9550					22.5°			S49W				
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL		HOLE SIZE		OVERBURDEN (FT.)		ROCK QTY		TOTAL DEPTH		
7/22/86		7/23/86		MORETRENCH ENVIRONMENTAL SERVICES			MOBILE B-80		6"		40.0'		0.0'		40.0'		
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 BRIGHT/FALL				CASING LEFT IN HOLE DIA./LENGTH				LOGGED BY:									
N/A				N/A				P. YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE (IN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.				
					LOSS FT. IN	PSI	TIME IN MINUTES										
AUGER, 6" THROUGHOUT.								60.0	0			6.0-40.0' SAND (SC-SM), DARK REDDISH BROWN (OR 3/4), 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							



045933

GEOLOGIC DRILL LOG						PROJECT		JOB NO.		SHEET NO.		HOLE NO.	
						FUSRAP		14501-138		2 OF 2		MISS-3095	
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.	
				LOSS IN G.P.M.	PRESSURE P.S.F.	TIME IN MINUTES							
							44.7	40					
											BOTTOM OF HOLE AT 40.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.		

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

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3095



045933

GEOLOGIC DRILL LOG				PROJECT: FUSRAP			JOB NO. 14501-138	SHEET NO. 1 OF 1	HOLE NO. MISS-310S			
SITE: MAYWOOD INTERIM STORAGE SITE-ROUTE 17				COORDINATES: N9070.E9725			ANGLE FROM HORIZ. 27°	BEARING: S30W				
BEGIN: 7/23/86	COMPLETED: 7/23/86	DRILLER: MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL: MOBILE B-80		HOLE SIZE: 6"	OVERBURDEN (FT.): 30.0'	ROCK (FT.): 0.0'	TOTAL DEPTH: 30.0'			
CORE RECOVERY (FT./20): N/A		CORE BOXES: N/A	SAMPLES: N/A	EL. TOP OF CASING: N/A	GROUND EL.: 53.0'	DEPTH/VEL. GROUND WATER: DRY		DEPTH/VEL. 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 BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN P. G.P.M.	PRESSURE P.S.I.	TIME IN P. MINUTES						
AUGER, 6"; THROUGHOUT.							53.0	0			0.0-20.0': SAND (SC-SM); DUSKY BROWN (SYR2/2), 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 (M5), SANDY, MOIST, CONTAINS SLUDGE.	
							41.7	25			25.0-30.0': SAND (SC-SM); DUSKY BROWN (SYR2/2, 25-28.0 FT), BLACKISH RED (SYR2/3, 28-30.0 FT), FINE GRAINED, SILTY SATURATED, POSSIBLE SANDSTONE CONTACT AT 30.0 FT.	
							39.4	30				
								35			BOTTOM OF HOLE AT 30.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	ALIGER REFUSAL AT 30.0 FT.

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

NOTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

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
BEGIN 7/23/86	COMPLETED 7/24/86	DRILLER MORETRENCH ENVIRONMENTAL SERVICES	DRILL MAKE AND MODEL MOBILE B-80		HOLE SIZE 6"	OVERBURDEN (FT.) 35.0	ROCK (FT.) 0.0	TOTAL DEPTH 35.0'
CORE RECOVERY (FT./TD) N/A		CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 54.0'	DEPTH/VEL. GROUND WATER DRY		DEPTH/VEL. TOP OF ROCK N/A
SAMPLE NUMBER IDENT/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 BLINDS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DRILLED DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN FT. G.P.A.L.	PRESSURE IN P.S.I.	TIME IN MINUTES						
AUGER, 6", THROUGHOUT.								54.0	0				
								53.8				0.0-0.5': SILT (ML), DUSKY BROWN (SYR2/2), RESIDUAL SOIL, MOIST.	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.
								52.5	5			0.5-5.0': ASH AND SILT (ML), VERY LIGHT GRAY (NS), ASH AND SILT, SOFT, SLIGHTLY MOIST.	
												5.0-15.0': SILT AND SLUDGE (ML), MEDIUM GRAY (NS), SOFT, SLIGHTLY MOIST.	
									49.4	15			
								44.7	30			30.0-35.0': GRAVEL (GS), BLACK (M), SANDY, F DIA, SUBROUNDED, MOIST.	
								43.2	35			BOTTOM OF HOLE AT 35.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

SS=SPLIT SPOON ST=SHIELBY TUBE;
D=DUNSON P=PITCHER; O=OTHER

SITE


MAYWOOD INTERIM
STORAGE SITE-ROUTE 17

HOLE NO.

MISS-311S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES N8975,E9880		14501-138	1 OF 2	MISS-312S
DATE 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 NUMBER WEIGHT/FALL N/A			CASING LEFT IN HOLE: DIA./LENGTH N/A			LOGGED BY: P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN IN. C.P.M.	PRESSURE IN P.S.I.	TIME IN MINUTES								
AUGER, 6" THROUGHOUT.							50.0	0			0.0-0.5' SILT (MC), DUSKY BROWN (SYR2/2), RESIDUAL SOIL, MOIST.	EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.  7/25/86 *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.		
							49.9	5			0.5-35.0' SAND (SC-SM); DUSKY RED (SR3/4) 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.			
							40.4	35						

SB=SPLIT SPOON ST=SHELBY TUBE;
DR=DRIBBON P=PITCHER; O=OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-312S



045933

GEOLOGIC DRILL LOG					PROJECT	JOB NO.	SHEET NO.	HOLE NO.				
					FUSRAP	14501-130	2 of 2	MISS-3125				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOG IN GAL.	PRESSURE P.S.I.						
							39.5	38.0			SS-G-SLD; SANDSTONE, DUSKY RED (SR3/4), SOFT TO MODERATELY HARD, SILTY, WEATHERED, WET.	ALGER REFUSAL OBTAINED.
											BOTTOM OF HOLE AT 38.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/25/86.	

SS-SPLIT SPOON ST-SHELBY TUBE,
D-DICKERSON PAPER CHEN OTHER

NOTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3125



GEOLOGIC DRILL LOG					PROJECT FUSRAP		JOB NO. 14501-138	SHEET NO. 1 OF 2	HOLE NO. MISS-313S			
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17					COORDINATES N9025, E9790			ANGLE FROM HORIZ. 14°	BEARING S38W			
BEGIN 7/28/86		COMPLETED 7/28/86		DRILLER MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL MOBILE B-80		HOLE SIZE 6"	OVERBURDEN (FT.) 52.0'	ROCK (FT.) 0.0'	TOTAL DEPTH 52.0'	
CORE RECOVERY (FT./%) N/A		CORE BOXES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 53.0'		DEPTH/VEL. GROUND WATER 40/42.3		DEPTH/VEL. TOP OF ROCK N/A			
SAMPLE NUMBER 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 BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER, 6" THROUGHOUT.							53.0	0			0.0-5.0' SILT (ML), DUSKY BROWN (5YR2/2), AND WHITE (NS), RESIDUAL SOIL AND ASH, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
							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 (10.45-52 FT.), FINE TO MEDIUM GRAINED, SILTY, CONTAINS A TRACE OF GRAVEL (P ROUNDED) AT 5-15 FT., BECOMES COARSE SAND AT 15-45.0 FT., BECOMES SATURATED AT 40-45.0 FT.	
								10				
								15				
								20				
								25				
								30				
								35				

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


SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-313S



GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.			
				FUSRAP		14501-138	2 OF 2	MISS-3135			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	WATER PRESSURE TESTS		ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOG IN G.P.M.	PRESSURE P.S.I.						
						40.4	52.0				 7/30/86
										BOTTOM OF HOLE AT 52.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 7/30/86.	

SS-SPLIT SPINN ST-SHELBY TUBE;
D-CORSON PITCHER OTHER

WTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3135



GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FLSRAP		14501-138	1 OF 1	MISS-3145				
SITE			COORDINATES			ANGLE FROM HORIZ.		BEARING				
MAYWOOD INTERIM STORAGE SITE-ROUTE 17			N9344,E9444			15°		S52W				
BEGAN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
7/29/86	7/29/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80	6"	10.0'	0.0'	10.0'					
CORE RECOVERY (FT./TD)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK				
N/A		N/A	N/A	N/A	60.0'	NONE OBSERVED		N/A				
SAMPLE NUMBER WEIGHT/FULL		CASING LEFT IN HOLE/DIA./LENGTH			LOGGED BY:							
N/A		N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE INCH	SAMPLER RECOVERY CORE RECOVERY	SAMPLER LOSS %	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAB LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN P. G.P.A.	PRESSURE P. P.S.I.	TIME IN MINUTES						
AUGER, 6" THROUGHOUT.							60.0	0				
							59.9				0.0-0.5' SILT (ML), DUSKY BROWN (SYR2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.
								5			0.5-9.0' SAND (SC-SM) DUSKY RED (SR 3/4) FINE GRAINED, SILTY, WITH SANDSTONE COBBLES, MOST.	
							57.7 57.4	9.0 10			9.0-10.0' CONCRETE, LIGHT GRAY (N7), HARD.	GROUND WATER LEVEL MEASURED ON 7/30/86.
											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-BELBY TUBE
DROBBSON PATCHER OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3145



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.			
MAYWOOD INTERIM STORAGE SITE-ROUTE 17										FUSRAP		14501-138		1 OF 2		NISS-3155			
COORDINATES										N9345,E9445		ANGLE FROM HORIZ.		BEARING		12°		S54W	
BEGIN		COMPLETED		DRILLER			DRILL MAKE AND MODEL			HOLE SIZE		OVERBURDEN (FT.)		ROCK (FT.)		TOTAL DEPTH			
7/29/86		7/29/86		MORE TRENCH ENVIRONMENTAL SERVICES			MOBILE B-80			6"		51.0		0.0		51.0'			
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 NUMBER (BOH)/FILL				CASING LEFT IN HOLE; DIA./LENGTH				LOGGED BY:											
N/A				N/A				P. YEN											
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE, LENGTH CORE IN	SAMPLE RECOVERY, CORE RECOVERY	SAMPLE IN OPS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.						
					LOSS IN P. (L/AL)	PRESSURE IN P.S.I.	TIME IN MINUTES												
AUGER, 6", THROUGHOUT.							59.0	0											
							58.9	0.5			0.0-0.5: SILTY (ML), DUSKY BROWN (SYR2/2), RESIDUAL SOIL. 0.5-5.0: SAND (SC-SM). DUSKY RED (SR 3/4, 0.5-16.0) MODERATE BROWN (SYR 3/4, 16-45.0), MEDIUM GRAY (MS, 45-51.0) FINE GRAINED, DRY, SILTY WITH SANDSTONE COBBLES (0.5-16.0) SILTY WITHOUT COBBLES (16.0-45.0) FINE TO MEDIUM GRAINED (45-51.0)								
								5											
								10											
								15											
								20											
								25											
								30											
								35											

SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION.

EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING.

GROUND WATER LEVEL MEASURED ON 8/15/86.

*DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.

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

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

NISS-3155



045933

GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FUSRAP	14501-155	2 OF 2	MISS-3155			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE REGRS %	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAB LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				CONS IN	R.P.M.	PRESSURE P.S.I.						
							48.4	50				
								51			BOTTOM OF HOLE AT 510 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/25/86.	

SS-SPLIT SPOON ST-SHELLY TUBE
D-DIRECTION P-PITCHER O-OTHER

WTE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3155



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.	SHEET NO.	HOLE NO.			
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				FLSRAP			14501-138	1 OF 3	MISS-3165			
SITE				COORDINATES			ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				N9425,E9231			15°		N53E			
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL	HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
8/6/86	8/6/86	MOORE TRENCH ENVIRONMENTAL SERVICES	MOBILE B-8D	6"	80.0	0.0	80.0'					
CORE RECOVERY (%)		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 NUMBER HEIGHT/FALL			CASING LEFT IN HOLE: DIA./LENGTH		LOGGED BY:							
N/A			N/A		P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLER APPROX. LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPIC LOG	SAMPLES	DESCRIPTION AND CLASSIFICATION*	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN FT.	P. G.P.M.	PRESSURE P.S.I.						
AUGER, 6", THROUGHOUT.							53.7	0				
							53.6				0.0-0.5' SILT (M), MODERATE BROWN (SYR4/4), RESIDUAL SOIL, MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 8/5/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS.
											0.5-80.0' SAND (SC-SM), MODERATE BROWN (SYR3/4) FINE TO MEDIUM GRAINED, SILTY, CONTAINS GRAVEL AND SANDSTONE FRAGMENTS AT 20-22 FT, DRY TO MOIST.	



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.				
				FUSRAP		14501-138	2 OF 3	MISS-316S				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLINDS or PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
								40				
								45				
								50				
								55				
								60				
								65				
								70				
								75				
SS-SPLIT SPOON ST-SNELBY TUBE; D-DENISON 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	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN G.P.A.	PRESSURE P.S.F.	TIME IN MINUTES						
							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=DENISON P=PITCHER D=DROTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-316S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES N9680, E9075		14501-138	1 OF 2	MISS-317S
BEGIN 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./TD) 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 NUMBER WEIGHT/FALL N/A			CASING LEFT IN HOLE: DIA./LENGTH N/A			LOGGED BY: P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE IN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOW BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
				LOSS IN FT. C/P.A.	PRESSURE P.S.I.	TIME IN MINUTES								
AUGER, 6", THROUGHOUT.							58.6	0			0.0-0.5': SILTY (ML), DUSKY BROWN (SYR2/2), RESIDUAL SOIL.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 9/5/86. *DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. DRILLING RESISTANCE AT 20-23.0 FT.		
							58.4	0.5			05-50.0': SAND (SC-SW); DUSKY RED (SR3/4, 0.5-23.0 FT); MEDIUM LIGHT GRAY (NG, 40-45.0 FT); MODERATE BROWN (SYR4/4, 25-50.0 FT); FINE GRAINED, SILTY, DRY WITH COBBLES AT 20-23.0 FT, SLUDGE AT 40-45.0 FT, MEDIUM GRAINED AT 45-50 FT.			
								5						
								10						
								15						
								20						
								25						
								30						
								35						
SS-SPLIT SPOON ST-SHELBY TUBE; D-DENISON PITCHER; O-OTHER										SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17		HOLE NO. MISS-317S		



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.					
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				FUSRAP		14501-138	1 OF 2	MISS-3185					
SITE				COORDINATES			ANGLE FROM HORIZ.	BEARING					
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				N9080, E9550			20°	N60W					
BEGIN	COMPLETED	DRILLER	DRILL MAKE AND MODEL		HOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH					
8/8/86	8/8/86	MORETRENCH ENVIRONMENTAL SERVICES	MOBILE B-80		6"	67.0	0.5	67.5'					
CORE RECOVERY (FT./%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/EL. GROUND WATER		DEPTH/EL. TOP OF ROCK					
N/A		N/A	N/A	N/A	55.6'	NONE OBSERVED		67/32.7					
SAMPLE HAMMER WEIGHT/FALL		CASING LEFT IN HOLE: DIA./LENGTH			LOGGED BY:								
N/A		3"/67			P. YEN								
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH (CORE RUN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE DIAMETER	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN PRESSURE (P.S.I.)	TIME IN MINUTES	TIME IN HOURS						
AUGER, 6" THROUGHOUT.								55.6	0			0.0-30.0': SAND (SP-SM-SC), VERY DARK RED (SR2/6, 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				
									30			30.0-35.0': SILT (ML), WHITE (MS) SANDY, WITH SLUDGE, MOIST.	
									35				
								43.6					

SS=SPLIT SPOON; ST=SHELBY TUBE;
D=DEINSON PATCHER; O=OTHER

SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO. MISS-3185



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	HOLE NO.			
				FUSRAP		14501-138	2 OF 2	MISS-318S			
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS %	WATER PRESSURE TESTS		ELEVATION	DEPTH	CORRE LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOG IN O.P.A.	PRESSURE P.S.I.						
							40			35.0-67.5' SAND (SP-SM-SC), DUSKY RED (SR 3/4) FINE TO MEDIUM GRAINED, SILTY, WITH P 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 (SR 3/4) MODERATELY HARD, SILTY, WEATHERED SATURATED.	ALIGER 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; P-DODDSON; P-PITCHER; O-OTHER						DATE	MAYWOOD INTERIM STORAGE SITE-ROUTE 17			HOLE NO.	MISS-318S



045933

GEOLOGIC DRILL LOG				PROJECT			JOB NO.		SHEET NO.		HOLE NO.		
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				FUSRAP			14501-138		1 OF 3		N15S-319S		
SITE				COORDINATES				ANGLE FROM HORIZ.		BEARING			
MAYWOOD INTERIM STORAGE SITE-ROUTE 17				N9305, E9345				8°		N51W			
BEGIN		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 NUMBER BEHIND/TAIL			CASING LEFT IN HOLE/DIA./LENGTH			LOGGED BY:							
N/A			N/A			P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLE ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE LOSS %	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAVIM LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS FT. IN 100 FT. S.P.A.L.	PRESSURE P.S.I.	TIME IN MINUTES						
ALICER, 6" THROUGHOUT.							56.2	5				0.0-80.0: SAND (SC-SMS PALE BROWN (5YR5/2, 0-20 FT) MEDIUM GRAY (N5L) LIGHT GRAY (N7L) AND PALE YELLOWISH BROWN (00YR6/2), AT 20-80 FT. FINE TO MEDIUM GRAINED SILTY MIST, 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.
							10						
								15					
								20					
								25					
								30					
								35					
								40					
								45					
								50					
SE-SP/LR SPOON ST-BE/LBY TUBE; DISCONTINUED AFTER 5' OTHER				SITE				MAYWOOD INTERIM STORAGE SITE-ROUTE 17				HOLE NO.	
												N15S-319S	



045933

GEOLOGIC DRILL LOG				PROJECT		JOB NO.	SHEET NO.	WELL NO.				
				FUSRAP		14501-138	2 of 3	MISS-3195				
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH (LOG RUN)	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLANK	WATER TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOSS IN S.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
								35				
								40				
								45				
								50				
								55				
								60				
								65				
								70				
								75				

SS-SPLIT SPONGE STOPCOCK TUBE
D-DIMENSION PITCHER OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

WELL NO.

MISS-3195



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 INCH	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLOWS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN G.P.M.	PRESSURE P.S.I.	TIME IN MINUTES						
								45.1	80				
												BOTTOM OF HOLE AT 80.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.	

SS=SPLIT SPOON; ST=SHELBY TUBE; DRUMMOND; PITCHEL; OR OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-319S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.	SHEET NO.	HOLE NO.	
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										COORDINATES		FUSRAP	14501-138	1 OF 1	MISS-320S
BEGIN	COMPLETED	DRILLED BY			DRILL MAKE AND MODEL		MOLE SIZE	OVERBURDEN (FT.)	ROCK (FT.)	TOTAL DEPTH	ANGLE FROM HORIZ.	BEARING			
8/12/86	8/12/86	MORETRENCH ENVIRONMENTAL SERVICES			MOBILE B-80		6"	28.0'	4.0'	32.0'	30°	N52W			
CORE RECOVERY (%)		CORE BOXES	SAMPLES	EL. TOP OF CASING	GROUND EL.	DEPTH/VEL. GROUND WATER		DEPTH/VEL. TOP OF ROCK							
N/A		N/A	N/A	N/A	59.0'	NONE OBSERVED		28.0 FT/45.0 FT							
SAMPLE NUMBER HEIGHT/FALL			CASING LEFT IN HOLE/DRL/LENGTH			LOGGED BY:									
N/A			N/A			P. YEN									
SAMPLE TYPE AND DIAMETER	SAMPLER ADVANCE LENGTH CORE RUN	SAMPLE RECOVERY CORE RECOVERY	SAMPLE BLINDS	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION *	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.		
					LOSS IN P.S.F.	PRESSURE IN P.S.F.	TIME IN MINUTES								
AUGER, 6" THROUGHOUT.								59.0	0			0.0-5.0': SILT (ML); MODERATE BROWN (SYR4/4), SANDY, 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.		
							56.5	5			5.0-28.0': SAND (SC-SM); MEDIUM GRAY (MS), SOFT FINE TO MEDIUM GRAINED, SILTY, DRY TO MOIST.				
							45.0	30				28.0-32.0': SANDSTONE; DUSKY RED (GR3/4) SOFT TO MODERATELY HARD, FINE GRAINED, SILTY, WEATHERED, MOIST.			
							43.0	32				BOTTOM OF HOLE AT 32.0 FT.			
									35			BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.			

SS-SPLIT SPONG; ST-SHELBY TUBE; P-POCKET; P-PITCHER; O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-320S



045933

GEOLOGIC DRILL LOG										PROJECT		JOB NO.		SHEET NO.		HOLE NO.			
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17										FLSRAP		14501-138		1 OF 2		MISS-3215			
COORDINATES										N9210, E9435		ANGLE FROM HORIZ.		20°		BEARING		N55W	
BEGIN		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./20)			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				N/A				P. YEN							
SAMPLE TYPE AND DIAMETER	SAMPLES RETURNED - LENGTH CORE IN IN	SAMPLE RECOVERY - CORE RECOVERY	SAMPLE LOSS BY PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPHIC LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.							
				LOSS IN FT.	P. Q.P.A.	P. S.J.													
AUGER, 6", THROUGHOUT.							55.2	0			0.0-25.0': SILT (CL); MODERATE BROWN (5YR4/4); SANDY, 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.							
							46.6	25			25.0-50.0': SAND (SC-SM); MEDIUM GRAY (M5), FINE GRAINED, SILTY, DRY.								
								35											

SEE-PLIT SPOON ST-SHELBY TUBE; BIRCHMANN; PITCHER; OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-3215



GEOLOGIC DRILL LOG						PROJECT	JOB NO.	SHEET NO.	HOLE NO.			
						FUSRAP	14501-130	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			ELEVATION	DEPTH	GRAPE LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
				LOGS IN G.P.A.	PRESSURE P.S.I.	TIME IN MINUTES						
						38.1	50					
											BOTTOM OF HOLE AT 50.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 8/19/86.	

ES-SPLIT SPOON ST-SHELBY TUBE,
 D-CORING 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.					
SITE MAYWOOD INTERIM STORAGE SITE-ROUTE 17				COORDINATES N9047,E9526		14501-138	1 OF 1	MISS-322R					
BEGIN 8/14/86		COMPLETED 8/14/86		DRILLER MORETRENCH ENVIRONMENTAL SERVICES		DRILL MAKE AND MODEL MOBILE B-33	HOLE SIZE 6"	OVERBURDEN (FT.) 13.0'	ROCK (FT.) 3.0'	TOTAL DEPTH 16.0'			
CORE RECOVERY(FT./20) N/A		CORE BITES N/A	SAMPLES N/A	EL. TOP OF CASING N/A	GROUND EL. 58.2'	DEPTH/VEL. GROUND WATER NONE OBSERVED			DEPTH/VEL. TOP OF ROCK 13'/45.2'				
SAMPLE NUMBER N/A		WEIGHT/FILL 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	PERCENT CORE RECOVERY	WATER PRESSURE TESTS			ELEVATION	DEPTH	GRAPING LOG	SAMPLE	DESCRIPTION AND CLASSIFICATION	NOTES ON WATER LEVELS, WATER RETURN, CHARACTER OF DRILLING, ETC.
					LOSS IN P.S.I.	PRESSURE P.S.I.	TIME IN MINUTES						
AUGER, 6" THROUGHOUT.								58.2	0			0.0-3.0': SILT (ML), GRAYISH BROWN (SR3/2), SANDY, DRY TO MOIST.	SITE CHECKED FOR RADIOACTIVE CONTAMINATION BY EBERLINE ANALYTICAL CORPORATION. EBERLINE ANALYTICAL CORPORATION PERFORMED GAMMA LOGGING. GROUND WATER LEVEL MEASURED ON 9/5/86. DESCRIPTION AND CLASSIFICATION BY VISUAL EXAMINATION OF CUTTINGS. AUGER REFUSAL OBTAINED.
							55.2	3.0			3.0-12.0': SAND (SP-SC-SM), DUSKY RED (SR3/4, 3-10.0 FT), DARK GRAY INC. 10-12 FT), SOFT, SILTY, OCCASIONAL ROCK FRAGMENTS AND F. ROUNDED GRAVELS AT 5.0 FT, DRY TO MOIST.		
							46.2	12				12.0-13.0': SILT (ML), GRAY (MS), CONTAINS SLUDGE, MOIST.	
							45.2	13				13.0-15.0': SANDSTONE, DUSKY RED (SR3/4) SOFT TO MODERATELY HARD, DRY, WEATHERED.	
							42.2	15				15.0-16.0': SANDSTONE, DUSKY RED (SR3/4) SOFT TO MODERATELY HARD, DRY, WEATHERED.	
												16.0-16.0': BOTTOM OF HOLE AT 16.0 FT. BACKFILLED WITH CEMENT-BENTONITE GROUT, 9/5/86.	

SS-SPLIT SPONS ST-SHELVEY TUBE
D-DECKMAN P-PITCHER O-OTHER

SITE

MAYWOOD INTERIM STORAGE SITE-ROUTE 17

HOLE NO.

MISS-322R

