Formerly Utilized Sites Remedial Action Program (FUSRAP)

Maywood Chemical Company Superfund Site

ADMINISTRATIVE RECORD

Document Number

MISS - 160





Job No. 14501, FUSRAP Project USACE Contract No. DACW45-98-D-0028 WBS: 138

APR 4 2001

U.S. Army Corps of Engineers New York District CANAN-PP-M 26 Federal Plaza New York, NY 10278-0090

Attention: Mr. Allen Roos, Project Manager

SUBJECT:

Final Post-Remedial Action Report for 10 Hancock Street, including the Minor

Remediation of 7 Shady Lane

Dear Mr. Roos:

Enclosed for your reference are 10 copies of the final Post-Remedial Action Report and one copy of the Comments Resolution Package for 10 Hancock Street and 7 Shady Lane.

This document and all other attachments were prepared under my direction or supervision in accordance with a system designed to ensure that the information was properly gathered and evaluated. To the best of my knowledge and belief, they are true, accurate, and complete.

If you have any questions, please feel free to contact Liz Rudek at (865) 220-2138.

Sincerely,

David Methot

Project Manager - FUSRAP

BK:pw:4-2-1-2lr

Enclosures:

(1) Final Post-Remedial Action Report for 10 Hancock Street, including Minor Remediation of 7 Shady Lane

(2) Comments Resolution Package

cc: Daniel Lee (1 copy, Final Post-Remedial Action Report only)

Anne McCauley (6 copies, Final Post-Remedial Action Report only)

Paul Speckin (1 copy, all)

Formerly Utilized Sites Remedial Action Program (FUSRAP)
Contract No. DACW45-98-D-0028

Final Post-Remedial Action Report for 10 Hancock Street Including the Minor Remediation of 7 Shady Lane

Lodi, New Jersey

April 2001



FINAL POST-REMEDIAL ACTION REPORT

FOR

10 HANCOCK STREET

INCLUDING THE MINOR REMEDIATION OF

7 SHADY LANE

IN

LODI, NEW JERSEY

APRIL 2001

Prepared for

U.S. Army Corps of Engineers

Under Contract No. DACW45-98-D-0028

Ву

Bechtel National, Inc.

Oak Ridge, Tennessee

Bechtel Job No. 14501

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ACRONYMS

ANL Argonne National Laboratory

ALARA as low as reasonably achievable

BNI Bechtel National, Inc.

CERCLA Comprehensive Environmental Response, Compensation, and

Liability Act

DCG derived concentration guide
DOE U.S. Department of Energy

EE/CA engineering evaluation/cost analysis

EPA U.S. Environmental Protection Agency

FUSRAP Formerly Utilized Sites Remedial Action Program

IVC independent verification contractor

MCW Maywood Chemical Works

MISS Maywood Interim Storage Site

MVP Maywood Vicinity Property

ORNL Oak Ridge National Laboratory

PIC pressurized ionization chamber PPE personal protective equipment

PPE personal protective equipment
SEC Safety and Ecology Corporation

USACE U.S. Army Corps of Engineers

UNITS OF MEASURE

cm centimeter
dpm disintegrations per minute
ft foot
g gram
h hour
in. inch

km kilometer L liter

 $\begin{array}{ll} \mu Ci & \text{microcurie} \\ \mu R & \text{microroentgen} \end{array}$

m meter
mi mile
mL milliliter
mrem millirem
pCi picocurie

yd yard yr year

1.0 INTRODUCTION

1.1 BACKGROUND

This report documents the remedial action conducted under the U.S. Army Corps of Engineers (USACE) Formerly Utilized Sites Remedial Action Program (FUSRAP) in1998 at 10 Hancock Street in Lodi, New Jersey. The purpose of this report is to document the compliance of areas remediated on the property with applicable federal radiological guidelines and to summarize and provide the results of final remediation data. Remedial action at 10 Hancock Street was conducted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) in compliance with an engineering evaluation/cost analysis (EE/CA) (BNI 1995a).

During the remediation of 10 Hancock Street, contamination was found to extend onto the adjacent property, 7 Shady Lane. Information pertaining to this property is provided in appropriate sections throughout the document.

The property at 10 Hancock Street is part of the Maywood Interim Storage Site (MISS). The Maywood site is located in Bergen County, New Jersey, approximately 20 km (12 mi) northnorthwest of New York City and 21 km (13 mi) northeast of Newark, New Jersey (Figure 1-1). It consists of the MISS; the Stepan Chemical Company site; and 85 Maywood vicinity properties (MVPs) in the boroughs of Maywood and Lodi and the township of Rochelle Park. This property is approximately 3.4 km (2.1 mi) from MISS (Figure 1-2). The MISS and its vicinity properties are also included within FUSRAP.

FUSRAP was established in 1974 to identify and clean up, or otherwise control, sites where residual radioactive contamination remains from the early years of the nation's atomic energy program or where contamination remains from commercial operations that have caused conditions that Congress has authorized FUSRAP to remedy. The Maywood site was assigned to FUSRAP in 1984 after the cleanup was authorized by the US Congress in the Energy and Water Appropriations Act.

The objectives of FUSRAP, as they apply to the Maywood site, are

- to remove or otherwise control contamination on sites identified as contaminated at levels exceeding current guidelines, and
- to achieve and maintain compliance with applicable criteria for the protection of human health and the environment.

The Department of Energy (DOE) administered FUSRAP until October 1997, when management of the program was transferred to USACE. Bechtel National, Inc. (BNI), the project management contractor, assisted USACE in the planning, management, and implementation of the cleanup of 10 Hancock Street. Oak Ridge National Laboratory (ORNL) was the independent verification contractor (IVC) assigned by USACE to provide autonomous assurance that site conditions after completion of the remedial action met the radiological cleanup criteria.

1.2 HISTORY

1.2.1 Prior Remedial Actions

From 1916 to 1959, the former Maywood Chemical Works (MCW) extracted radioactive thorium and rare earths from monazite sand for use in manufacturing industrial products such as mantles for gas lanterns. Slurry that contained waste from the thorium-processing operations was pumped to earthen diked areas. Nearby properties became contaminated when some process wastes, along with tea and coca leaves from other MCW operations, were removed from the MCW property and used as mulch and fill. Additional waste apparently migrated from the MCW property through natural drainage associated with the former Lodi Brook. In all, 87 commercial, governmental, and residential vicinity properties became radioactively contaminated by these transport mechanisms. A comprehensive history can be found in the CERCLA EE/CA documentation prepared for this activity (BNI 1995a).

Twenty-five residential properties and the Ballod property were remediated during 1984–85, and a property at 90 Avenue C was partially remediated during that period. Remediation of five residential properties, including 90 Avenue C, was completed during 1995. The MISS pile was removed in 1996, and material was transported to an offsite disposal facility. Additionally, eight other residential properties (7 Branca Court, 11 Redstone Lane, and 16, 18, 20, 22, 24, and 26 Long Valley Road) were remediated during 1996, and three more (5 and 7 Shady Lane, and 34 Long Valley Road) were completed in 1997. USACE remediation of 10 Hancock Street was part of the remediation of 23 MVPs and 5 additional properties in Lodi and Maywood during 1997 through 1999.

1.2.2 Characterization Before Current Remedial Action

Initial radiological characterization of 10 Hancock Street to determine if the property should be included in FUSRAP was performed by ORNL during 1985 and 1986 (ORNL 1989). Because sampling results exceeded applicable federal guidelines, the property was designated for

inclusion in the program. Subsequent radiological testing occurred in 1986, 1995, and prior to the start of cleanup activity.

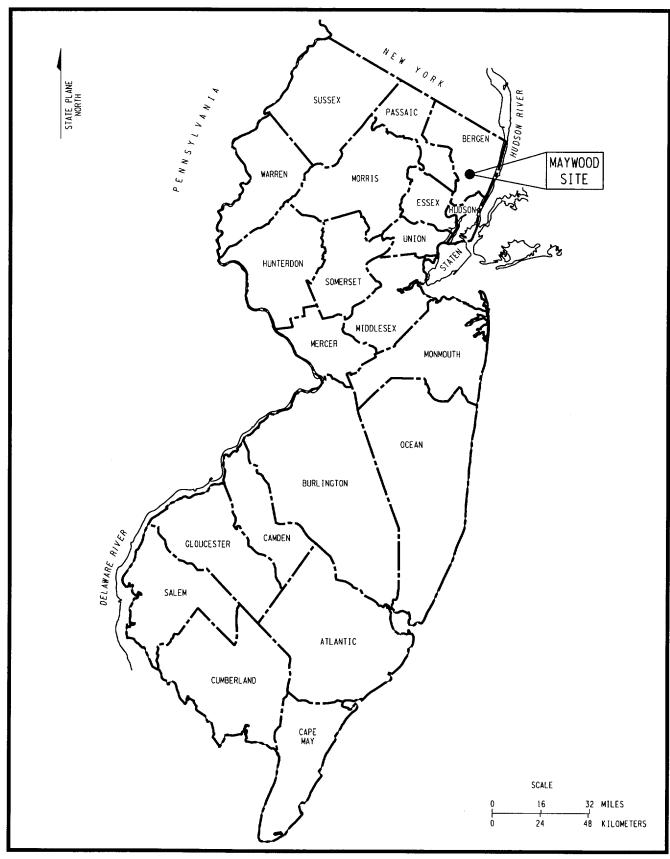
In 1986, testing was performed to locate the horizontal and vertical boundaries of contamination (BNI 1989). The contamination was primarily subsurface contamination ranging from a depth of 1.5 m (5 ft) to 2.4 m (8 ft) and appeared to extend beneath the residence. The radon-222 measurements inside the residence indicated concentrations of 0.4 to 0.6 pCi/L, which were below the guideline of 3.0 pCi/L (DOE 1990).

In 1995, supplemental radiological sampling was performed to determine if radiological contamination existed beneath the house (BNI 1995b). A borehole was drilled in the basement. Gamma radiation readings were taken from within each borehole at 6-inch intervals and documented in a radiation log. Sample 45R collected from a depth of 1.1 m (3.5 ft) to 1.2 m (4 ft) beneath the house was found to be contaminated.

Prior to remediation, an additional survey was performed in 1998 to further define the extent of contamination. Based on initial walkover surface scans, four boreholes were drilled in areas showing the highest gamma readings. Gamma radiation readings were taken from within each borehole at 6-inch intervals and documented in a radiation log. A sample from each borehole was collected from the depth showing the highest gamma reading and was analyzed for radionuclides. Samples MVP0401, MVP0402, MVP0403, and MVP0404 from four boreholes were not contaminated (BNI 1998a). Section 2.4.3 provides details on how compliance with radiological cleanup criteria was assessed.

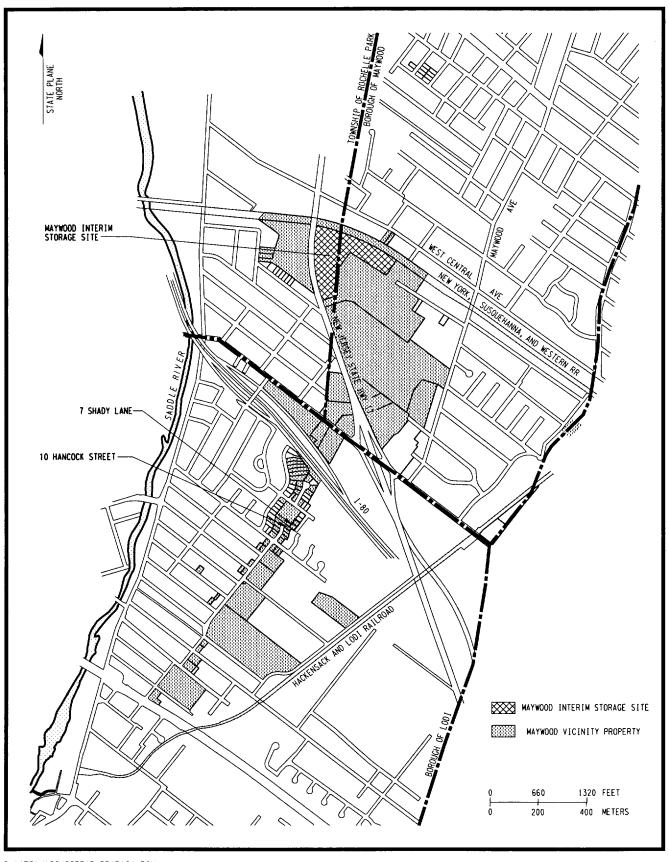
Figure 1-3 shows the approximate area of subsurface contamination estimated by 1986 and 1995 radiological characterization activities. Characterization results indicated contamination ranging from 1.1 to 2.4 m (3.5 to 8 ft) deep, based on the results of borehole logs and sample data. The data was then extrapolated to define the approximate boundaries of contamination.

Details on post-remedial action surveys and sampling results are provided in Section 4.0.



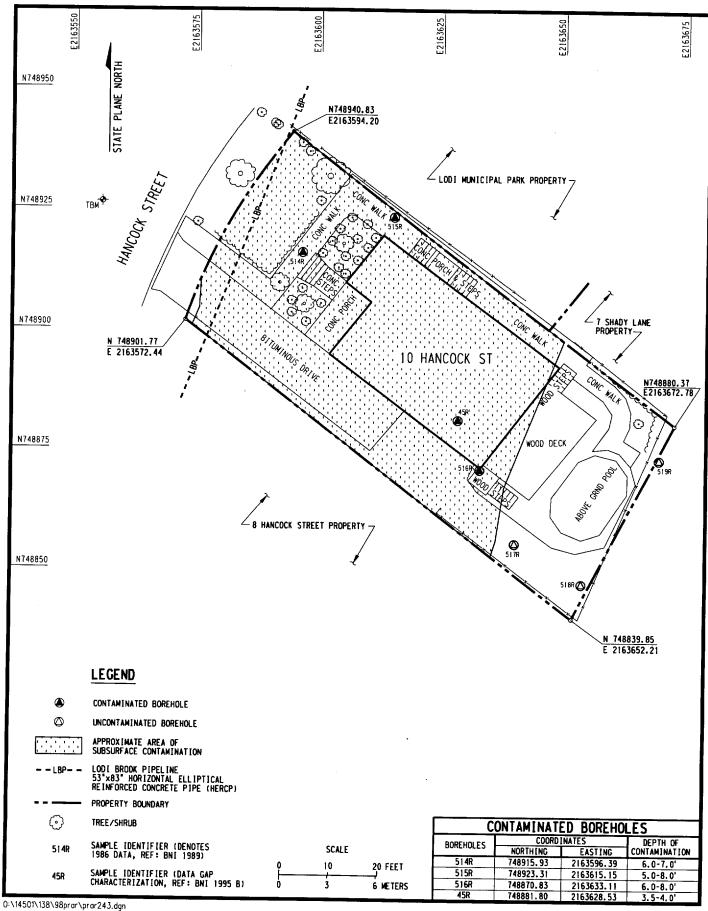
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Figure 1-1 Location of the Maywood Site Bergen County, New Jersey



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Figure 1-2
Location of 10 Hancock Street and 7 Shady Lane



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Figure 1-3 Approximate Area of Subsurface Contamination 10 Hancock Street

2.0 REMEDIATION CRITERIA

Remediation activities at 10 Hancock Street and 7 Shady Lane were conducted in accordance with the federal cleanup criteria contained in the 1994 agreement between the U.S. Environmental Protection Agency (EPA) and DOE and in accordance with the remedy provided in the CERCLA EE/CA prepared for properties comprising Phase 1 of MVP cleanup. The cleanup criteria contained in these documents were adopted by USACE to allow for cleanup of the MVPs addressed in the EE/CA to continue under USACE management without disruption.

These documents are contained in the Administrative Record established for the Maywood site and are available for review at the USACE Information Center in the Borough of Maywood.

2.1 EPA AGREEMENT WITH DOE

The agreement between EPA and DOE reached in April 1994 establishes cleanup levels for radionuclide contamination in soil at all properties on the Maywood site (DOE 1994). Soil on Phase 1 properties, regardless of depth, is to be remediated to 5 pCi/g above background for thorium-232 and radium-226.

2.2 EE/CA

In September 1995, DOE made available for public review and comment the EE/CA announcing the preferred remedy for the cleanup of residential and other properties included in Phase 1 of cleanup activities at the Maywood site (BNI 1995a). The final EE/CA adopts the criteria for radionuclides contained in the EPA/DOE agreement and other site-specific, federal criteria developed for radionuclides of concern at the MVPs.

2.3 SITE-SPECIFIC TOTAL URANIUM GUIDELINE

In the absence of promulgated federal criteria for total uranium in soil, a site-specific criterion was developed for the Maywood site by the Argonne National Laboratory (ANL), an agency of the DOE. To develop the guideline for total uranium, site-specific soil data was used to determine the level of uranium that would result in the maximum public exposure limit of 100 mrem/yr for all plausible uses of land. The site-specific guideline for Maywood was developed based on hypothetical but reasonable exposure pathways from the site.

Based on the ANL analysis, the uranium limit is well below the dose guideline of 100 mrem/yr (910 pCi/g), which must be met under all worst case, plausible scenarios, including the assumed residential and agricultural use (BNI 1994). An as low as reasonably achievable

(ALARA) analysis was conducted by DOE. The 100 pCi/g total uranium limit is considered acceptable since no potential benefit is expected from a lower value due to the uranium being co-located with the thorium. Remediation of thorium contaminated soils will result in residual uranium concentrations much lower than 100 pCi/g (BNI 1994). The resulting uranium-238 guideline is 50 pCi/g, assuming that uranium exists in the naturally occurring abundance of 1:1:0.046 for uranium-234, uranium-238, and uranium-235, respectively (Shleien 1992).

2.4 APPLICATION OF CRITERIA

Historical data indicate that radioactive contamination at the MVPs consisted primarily of thorium-232 but also included uranium-238 and radium-226 and their decay products. Table 2-1 lists the residual contamination guidelines for these radionuclides and release of the Phase 1 MVPs without radiological restrictions. The following sections address key principles associated with the application of radiological criteria and assessment of compliance.

Appendix A includes a brief introduction to the nature, sources, and basic units of radiation.

2.4.1 Radionuclides of Concern

Radionuclides of concern at the Maywood site are thorium-232, radium-226, and uranium-238, identified based on the following:

- Reconstruction of the process used by the MCW to extract thorium, and
- Analysis of soil samples collected during the remedial investigation for radionuclides.

The explanation below discusses the thorium-232 and uranium-238 radioactive decay series, and then the results of remedial investigation sampling.

In unprocessed, undisturbed ores, thorium-232 coexists with all of the decay products in the thorium decay series and is often found in secular equilibrium, a state in which each radionuclide in the decay series has the same decay rate (activity) as the parent (thorium-232). Substantial amounts of thorium-232 and thorium-228 would be removed in the extraction process, leaving primarily decay products. The waste component would also contain unextracted thorium-232 and thorium-228. Due to the relatively short half-lives of their decay products, these radionuclides would reestablish equilibrium in 30 to 40 years. One of these decay products is radon-220, a gas that would be released by emission from exposed surfaces and would decay elsewhere.

Uranium-238 is also present in monazite ore (at lower concentrations), and its decay products would also be in secular equilibrium. Due to low natural abundance of these radionuclides and their low concentrations in the waste material, the total activity contributed by their decay series is only a small fraction of the total activity of the waste. Thorium-230 concentrations are expected to be lower than radium-226 based on the fact that the processing would remove most of thorium-230.

To determine whether secular equilibrium existed between thorium-232 and its daughters in contaminated soils at the Maywood site, five percent of all remedial investigation soil samples analyzed for uranium-238, radium-226, and thorium-232 were also randomly selected for isotopic analysis (radium-226, radium-228, uranium-238, uranium-235, uranium-234, thorium-230, and thorium-228). Fifty-four samples, representative of the sampling conducted at the Maywood site, excluding MISS, were selected.

Although a small number of samples were not in equilibrium, all contained progeny of the thorium-232 and uranium-238 decay series. It was therefore concluded that because all samples were analyzed for uranium-238, radium-226, and thorium-232, all radionuclides of interest at the Maywood site were detected. The results are provided in the remedial investigation done for the Maywood FUSRAP site (BNI 1992).

2.4.2 Background Levels

Because cleanup guidelines are based on radioactivity in addition to background levels, it was important to establish the levels of naturally occurring background radioactivity in soils near the site. Background data serve as a frame of reference for evaluating analytical data from the vicinity properties because they represent conditions typical of the areas unaffected by former MCW activities. During the remedial investigation, soil samples were obtained from three background locations in the general area of the vicinity properties. The locations were selected on the basis of their proximity to the site, relative independence from potential influence of the site, and representativeness of area land uses. The background locations are shown in Figure 2-1. Samples from these background areas were analyzed for radium-226, thorium-232, and uranium-238. Background external gamma radiation exposure rates were also measured at these three background locations using a pressurized ionization chamber (PIC). The average concentration of thorium-232 in background samples was 1.0 pCi/g, with a range of 0.9 to 1.1 pCi/g.

The average background concentration of radium-226 was 0.7 pCi/g with a range of 0.5 to 0.8 pCi/g. The average background concentration of uranium-238 was 2.9 pCi/g with a range of

2.4 to 3.5 pCi/g (BNI 1992). The average background external radiation exposure rate was determined to be 9.0 μ R/h.

2.4.3 Sum-of-Ratios Calculation

Compliance with radionuclide criteria is determined by performing a sum-of-ratios calculation by first subtracting the background concentration for each isotope from the reported value for that isotope. If the net result of an isotope is negative, then the value for that isotope is reported as zero. The subtraction of background concentrations can cause the values of some isotopes to be reduced to 0, and in some cases this causes the sum of ratios to be 0 as well. Then the values are divided by the appropriate guideline number for thorium-232, uranium-238, and radium-226 (see Table 2-1 for guidelines). Finally, the three calculated values are summed. If the sum of the three calculated values is 1.0 or less, the soil is below the applicable guideline for radioactive contamination at Maywood and is thus considered clean.

2.4.4 Hot Spot Criteria

Hot spots are small areas that have levels of residual radioactive material that are considerably above the levels in the surrounding area. Residual concentrations of radioactive material in soil are defined as those in excess of background concentrations averaged over an area of 100 m². If the average concentration in any surface or below-surface area less than or equal to 25 m² exceeds the limit or guideline by a factor of (100/A)¹², where A is the area in square meters of the region in which concentrations are elevated, limits for "hot spots" are applicable. Procedures for calculating these hot spot limits, which depend on the extent of the elevated local concentrations, are given in the supplement—"A Manual for Implementing Residual Radioactive Material Guidelines – A Supplement to U.S. Department of Energy Guidelines for Residual Radioactive Material at Formerly Utilized Sites Remedial Action Program and Surplus Facilities Management Program Sites" (ANL 1989). In addition, the standard requires that every reasonable effort be made to remove any source of radionuclide that exceeds 30 times the appropriate limit for soil, irrespective of the average concentration in the soil.

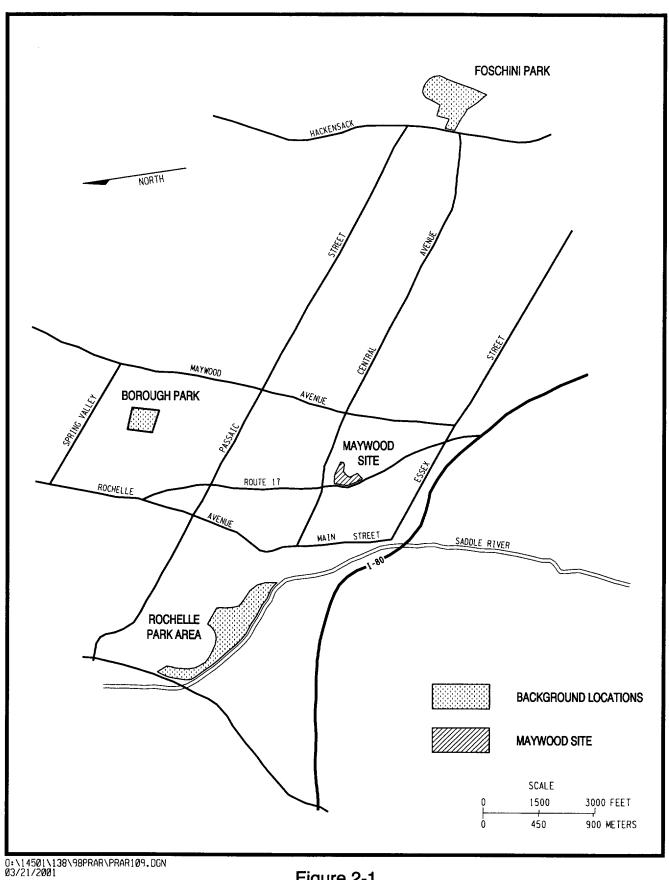


Figure 2-1
Background Sampling Locations for the Maywood Interim Storage Site

Table 2-1 Federal Guidelines for Residual Radioactive Contamination

Basic Dose Limits

The basic limit for the annual radiation dose received by an individual member of the general public is 100 mrem/yr ^a. In implementing this limit, as-low-as-reasonably-achievable (ALARA) principles are applied to set site-specific guidelines.

Soil Guidelines b,c,d,e

Radium-226
Radium-228
Thorium-230

5 pCi/g when averaged over any 15-cm (6-in.)-thick layer of soil regardless of depth.

Thorium-230 Thorium-232

Uranium f 100 pCi/g total uranium, 50 pCi/g uranium-238 (BNI 1994).

	Allowable Surface Residual Contamination g (dpm/100 cm ²)		
Radionuclide ^g	Average n,1	Maximum hj	Removable h,k
Transuranics, Ra-226, Ra-228, Th-230, Th-228, Pa-231, Ac-227, I-124, 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
U-Natural, U-235, U-238. and associated decay products	5,000 a	15,000 a	1,000 a
Beta-gamma emitters (radionuclides with decay modes other than alpha emission or spontaneous fission except Sr-90 and others noted above)	5,000 ^{b-g}	15,000 ^{b-g}	1,000 b-g

^a Department of Energy, 1990, Order 5400.5, "Radiation Protection of the Public and the Environment" (February 8).

^b Soil guidelines are also used for sediment because there are no sediment guidelines. The soil guideline of 5 pCi/g regardless of depth is from DOE 1994.

^c These guidelines take into account ingrowth of radium-226 from thorium-230 and of radium-228 from thorium-232, and assume secular equilibrium. If either thorium-230 and radium-226 or thorium-232 and radium-228 are both present, not in secular equilibrium, the guidelines apply to the higher concentration. If other mixtures of radionuclides occur, the concentrations of individual radionuclides must be reduced so that (1) the dose for the mixtures will not exceed the basic dose limit, or (2) the sum of ratios of the soil concentration of each radionuclide to the allowable limit for the radionuclide will not exceed 1 ("unity").

^d These guidelines represent allowable residual concentration exceeding background levels averaged across any 15-cm (6-in.)-thick layer to any depth and over any contiguous 100-m² (1,076-ft²) surface area, except as noted.

^e If the average concentration in any surface or below-surface area less than or equal to 25 m² (269 ft²) exceeds the authorized limit or guideline by a factor of $(100/A)^{1/2}$, where A is the area of the elevated region in square meters, limits for "hot spots" will also be applicable. Procedures for calculating these hot spot limits, which depend on the extent of the elevated local concentrations, are given in the supplement. In addition, every reasonable effort shall be made to remove any source of radionuclide that exceeds 30 times the appropriate limit for soil, irrespective of the average concentration in the soil.

f Guidelines are calculated on a site-specific basis using a DOE manual developed for this use.

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

h Measurements of average contamination should not be averaged over more than 1 m² (10.8 ft²). For objects of less surface area, the average must be derived for each such object.

ⁱ The average and maximum radiation levels associated with surface contamination resulting from beta-gamma emitters should not exceed 0.2 mrad/h and 1.0 mrad/h, respectively, at 1 cm (0.4 in.).

^j The maximum contamination level applies to an area of not more than 100 cm² (16 in.²).

^k The amount of removable radioactive material per 100 cm² (16 in.²) of surface area should be determined by wiping that area with dry filter or soft absorbent paper, applying moderate pressure, and measuring the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. When removable contamination on objects of surface area less than 100 cm² (16 in.²) is determined, the activity per unit area should be based on the actual area or the entire surface should be wiped. The numbers in this column are maximum amounts.

3.0 REMEDIAL ACTION

3.1 CLEANUP ACTIVITIES

Generally, pre-remediation work activities at 10 Hancock Street consisted of documentation of existing conditions and preparation of the property for remedial action. This included the performance of inspections, the preparation of videotapes, and evaluation of building material for lead paint or asbestos content.

Prior to remediation, the results of earlier characterization investigations were used to help plan remediation activities. The property was again surveyed immediately before remediation to more accurately define the boundaries of radioactive contamination. Walkover surface scans were conducted during remediation to direct the excavation. As remediation was completed, soil samples were collected and analyzed to verify that residual radioactive material above the cleanup criteria had been removed. Additionally, exposure rate measurements were taken with a PIC to confirm that residual radiation levels were in compliance with applicable guidelines. Details are provided in Section 4.0.

The primary technique used in the remedial action was excavation of the contaminated materials. A jackhammer was used to break up concrete, asphalt, and debris before removal. Because of the limited working space available, small volumes of soil were removed with picks and shovels, while a backhoe was used to remove larger volumes. A vacuum truck was also used to remove larger volumes below the house and garage. After remedial action, areas were restored to the condition agreed upon by the property owners.

The alternate trench method (ATM- II) was used to underpin the property; details of the method are provided in the design drawing (BNI 1998b). The underpins for wall footings and support columns for interior sections of the property were installed to support the structure and to facilitate removal of contaminated material underneath the structure. A separate drawing indicating approximate locations of underpins and support columns was generated for field use. As remediation work progressed, the onsite field engineer made appropriate changes to identify exact locations of underpins and support columns. Upon completion, the field sketches were revised to identify exact locations of underpins and support columns. Final data on underpins and support columns is provided in Section 4.0.

After the material was excavated, direct gamma measurements were taken with an Eberline SPA-3 gamma scintillation detector. When survey results indicated that remediation was complete, post-remediation soil samples were collected from the excavated areas in accordance with the FUSRAP Post-Remedial Action Survey Plan (BNI 1996). The soil samples were sent to

a laboratory at the MISS for gamma spectral analysis to ensure that all soils contaminated above the cleanup criteria had been removed. If the analysis showed that residual radioactive material exceeding criteria remained, then additional excavation was conducted and additional post-remedial action samples were collected and analyzed. The rationale for the sampling program and the analytical results are presented in Section 4.0.

Following verification that cleanup criteria had been met, excavated areas were either backfilled with clean fill purchased from a vendor or with clean soil, i.e., overburden, removed from other properties in the vicinity being remediated. Radiological results were compared to applicable guidelines identified in section 2.0. Chemical results were compared to applicable New Jersey soil cleanup criteria/background concentrations (NJDEP 1996, BNI 1992). The results compared to applicable guidelines for backfill and clean overburden soil are provided in section 4.1.

During remediation, approximately 1,176 m³ (1,538 yd³) of radioactively contaminated soil was removed from 10 Hancock Street, including 7 Shady Lane (BNI 1999a). Excavated material was transported to the MISS, where it was loaded into railcars and shipped to the Envirocare of Utah disposal facility in Clive, Utah.

Details on the results of post-remedial action surveys and sampling are provided in Section 4.0. Information pertaining to contamination control during remedial action is provided in Appendix B.

4.0 POST-REMEDIAL ACTION MEASUREMENTS

After each portion of the property was remediated, each area was surveyed to confirm that all radioactive contamination exceeding cleanup criteria had been removed. Safety and Ecology Corporation (SEC), a subcontractor to BNI, conducted the initial post-remediation surveys. Verification techniques included walkover gamma scans, external gamma radiation exposure rate measurements, and soil sampling. ORNL, as the IVC, performed independent verification surveys of the remediated areas using similar or identical survey techniques. The results of IVC final survey data and conclusions are to be issued as a separate report.

As excavation proceeded, walkover surface scans were conducted with an Eberline SPA-3 gamma scintillation detector to determine whether all soil that was radioactively contaminated in excess of the cleanup criteria had been removed from the remediated areas. The walkover survey provided immediate feedback so that additional excavation could be performed if residual contamination appeared to exceed remedial action guidelines. The area was scanned after each lift of soil was removed to verify that the contamination had been removed. Soil samples also were collected throughout the excavation and analyzed at the MISS laboratory as an additional verification measure on the surface scans.

In addition, external gamma radiation exposure rates were taken and measured with a PIC at 1 m (3 ft) above the ground surface in each open excavation prior to its backfilling with clean fill. PIC readings were compared with the background exposure rate (9.0 μ R/h) established for the area.

The procedure followed for performing post-remedial action sampling is provided in the "FUSRAP Post-Remedial Action Survey Plan" (BNI 1996). Upon completion of remediation, a survey grid of 100 m² (1,076 ft²) was established over the excavated area to conduct radiological surveys. If there were small irregularities in the excavated area, the total area for each grid did not exceed 100 m² (1,076 ft²). Composite post-remediation soil samples were collected (from a depth of 0 to 6 in.) from each remediated grid by taking individual samples [at a frequency of 25 per 100 m² (1,076 ft²)] from each sample grid and compositing these individual samples into one sample for that grid. A bias sample was also collected from the bottom of the excavation at an area indicating the highest gamma reading for that grid. Soil sampling, using gamma spectroscopy, was the primary method used to confirm that all radioactive contamination exceeding the cleanup criteria had been removed. External gamma exposure rates were measured in excavated areas using a PIC.

For underpins and columns, bias samples were collected from the floor of each underpin and column at areas indicating the highest gamma reading. A composite sample for underpins was obtained by mixing six-inch plugs collected systematically from all underpins.

Samples for radiological parameters were analyzed at the MISS laboratory. Samples for chemical analysis were sent to Adirondack laboratory in Albany, New York, or the RECRA laboratory in Lionsville, Pennsylvania. In addition, approximately 10% of all samples collected for radiological analysis were sent to the Thermo NuTech laboratory in Oak Ridge, Tennessee, for independent analysis as a quality control (QC) measure. The samples sent to the independent laboratory primarily consisted of clean overburden, in-progress excavation, and post-remedial action bias and composite samples. The QC results are provided in Appendix C.

Additionally, material purchased from a vendor was used as backfill after remediation. Before the excavated areas were backfilled, samples were tested for radiological and chemical parameters to ensure the backfill material was not contaminated.

The radiological data packages were validated per project procedures. The post-remedial action radiological results are reported in Table D-1 (Appendix D).

4.1 10 HANCOCK STREET

The property at 10 Hancock Street is a two-story house with a basement and a wooden deck and above-ground pool in the backyard. The approximate areas of subsurface contamination are shown in Figure 1-3.

During remediation, surface scans were performed on each lift of soil removed to determine if the material was below or above the cleanup criteria. Clean soil from the excavation, i.e., overburden, was staged separately at Lodi Park. A total of 8 samples were collected during excavation at depths from 0.6 to 1.5 m (2 to 5 ft). Results of analyses for thorium-232, radium-226, and uranium-238 were below the cleanup criteria. Data for clean overburden soil for this property, and other properties, are reported in Appendices E and F. All soil exceeding the cleanup criteria, including soils between the underpins, below the house, and below the Lodi Brook pipeline, was excavated and transported to the MISS for later shipment to Envirocare of Utah.

Clean soil from residential property excavations in addition to material obtained from off-site vendor(s) was used to backfill the site. Soils naturally contain certain metals and organic compounds. All sources of backfill were tested for radiological and chemical parameters.

USACE review of this data indicates that the levels of contamination fall within or below the

CERCLA (cancer) risk range of $1x10^{-4}$ to $1x10^{-6}$. Radiological and chemical data associated with all backfill sources potentially used on this site are contained in Appendix G.

Prior to backfilling of the excavated areas, EPA region II did not perform chemical sampling because results for the samples collected earlier from phase 1 MVPs detected no chemical contamination. The results were considered representative for this property (BNI 1998c).

4.1.1 Post-Remedial Action Survey

Figure 4-1 shows the areas of excavation and property elevation contours. The areas and depths of excavation, grid locations, and locations of post-remedial action soil samples are shown in Figure 4-2. Ten samples were collected from five locations in grids 1 through 5 (see Figure 4-2).

Before pouring the concrete mix, a post-remedial action survey was performed to verify that soils under each underpin and column were below the cleanup criteria. SEC, a BNI subcontractor, collected post-remedial action bias samples from each underpin and column for radionuclide analysis. This data was provided to the IVC for review and approval. Figure 4-3 shows the areas of excavation and locations of post-remedial action soil samples with underpin and column numbers. Photographs of the underpins are shown in Figures 4-4, 4-5, 4-6, and 4-7.

The net result for each radionuclide reported in Table 4-1 is obtained by subtracting the background concentration for each radionuclide from the reported value for that radionuclide. If the net result of a radionuclide is negative, then the value for that radionuclide is reported as zero. As indicated in Table 4-1, the sum-of-ratios for each sample was below 1.

In post-remedial action composite samples, thorium-232 net concentrations ranged from non-detect to 0.38 pCi/g; radium-226 net concentrations ranged from non-detect to 0.30 pCi/g, and uranium-238 net concentrations were non-detects.

In post-remedial action bias samples, thorium-232 net concentrations ranged from non-detect to 2.62 pCi/g, radium-226 net concentrations ranged from non-detect to 0.50 pCi/g, and uranium-238 net concentrations ranged from non-detect to 3.00 pCi/g.

Figure 4-8 shows the locations of the nine post-remedial action gamma exposure rate measurements taken with the PIC. The exposure rates ranged from 10.6 to 14.2 μ R/h; the background value is 9.0 μ R/h. The PIC readings were taken in excavated areas prior to backfilling as a remedial action evaluation survey. If PIC readings were elevated, the readings would have indicated potential exposure concerns thus indicating missed contamination above

the release criteria and triggering additional excavation. Although the reported values are above background, they do not represent the final status of the property. The exposures from external gamma radiation would be further reduced after the excavations were backfilled with clean fill. The clean fill would cause a shielding and covering effect on the remaining soils, reducing gamma ray, dust, and radon exposures. Even without the clean fill and assuming continuous exposure at the point of measurement, the average dose calculated from measured gamma radiation exposure rates was below the remedial action level of 100 mrem/yr.

The unaffected portion of the house was sealed off from the work area with a wood frame covered in heavy plastic to keep out dust. BNI also employed security personnel to ensure these areas were secured. Interior radiological surveys were performed after completion of the post-remedial action surveys or after the end of the interior restoration phase. Approximately 20 locations within the house were surveyed with cloth smears to determine levels of residual removable contamination. The individual smear results were below the free release criteria of 200 dpm/100 cm² for alpha or 1,000 dpm/100 cm² for beta-gamma emitting radionuclides.

4.1.2 Photographs

Figure 4-9 shows some of the photographs taken during remediation.

4.1.3 IVC Verification

After remediation, BNI provided post-remedial action data to the IVC for review. The IVC verified excavated areas to determine if remediated areas were in compliance with the cleanup criteria. Upon completion of verification, the IVC gave verbal approval so that excavated areas could be backfilled. This was followed by e-mail confirming their approval. The final IVC 'report will be published separately.

4.1.4 Summary

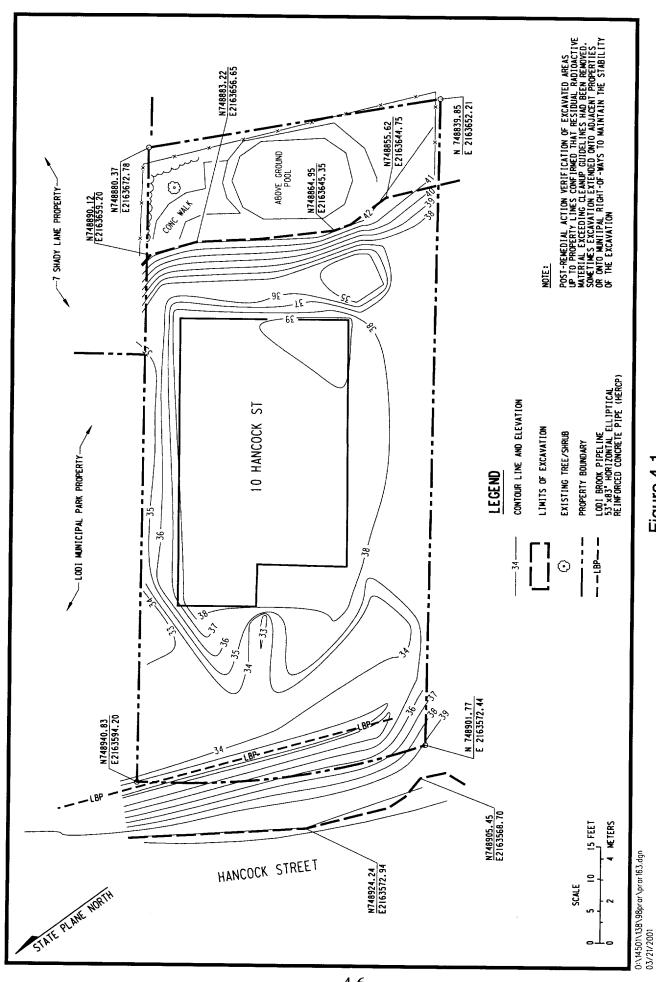
The results of data taken at the conclusion of remediation for the open excavations, underpins, and columns were below the cleanup criteria (see Table 2-1). On verification of results, the remediated areas were restored, including the deck and above-ground pool.

4.2 7 SHADY LANE

During excavation, contamination was found to extend onto the adjacent property of 7 Shady Lane along its boundary with 10 Hancock Street. Contaminated soils were removed along the boundary, including a small portion of 7 Shady Lane (Figure 4-2). The post-remedial

action survey, provided in section 4.1.1, includes primarily 10 Hancock Street and a small portion of 7 Shady Lane. On verification of results, the remediated areas were restored.

It may be noted that this property was remediated in 1997, and the post-remedial action report for the property at 7 Shady Lane was issued in 1998 (BNI 1998d).



Areas of Excavation and Elevation Contours 10 Hancock Street and 7 Shady Lane Figure 4-1

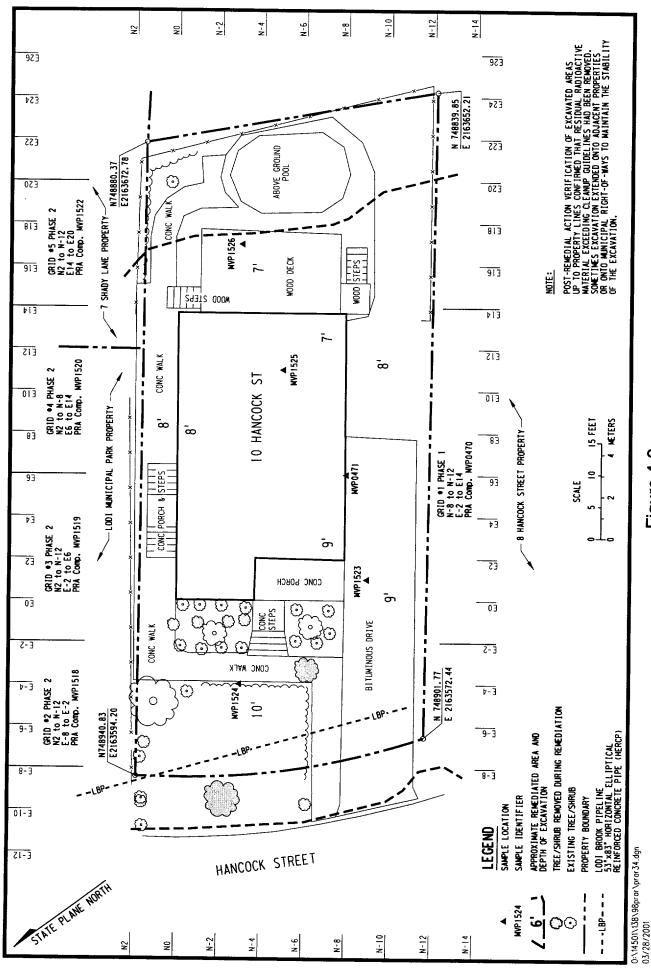


Figure 4-2
Areas of Excavation and Post-Remedial Action Samples
10 Hancock Street and 7 Shady Lane

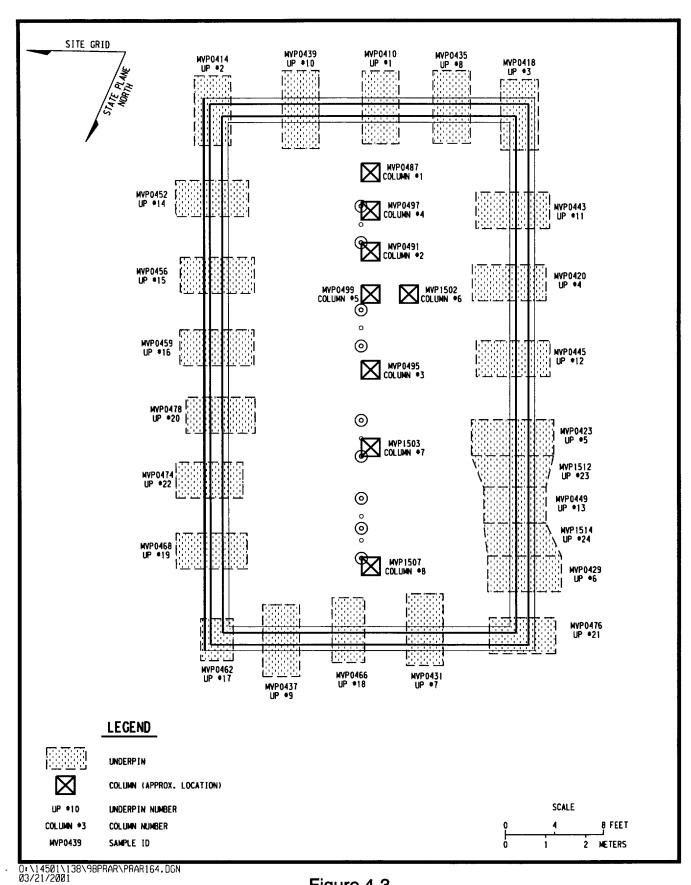


Figure 4-3
Underpin, Column Excavation and Post-Remedial Action Samples
10 Hancock Street

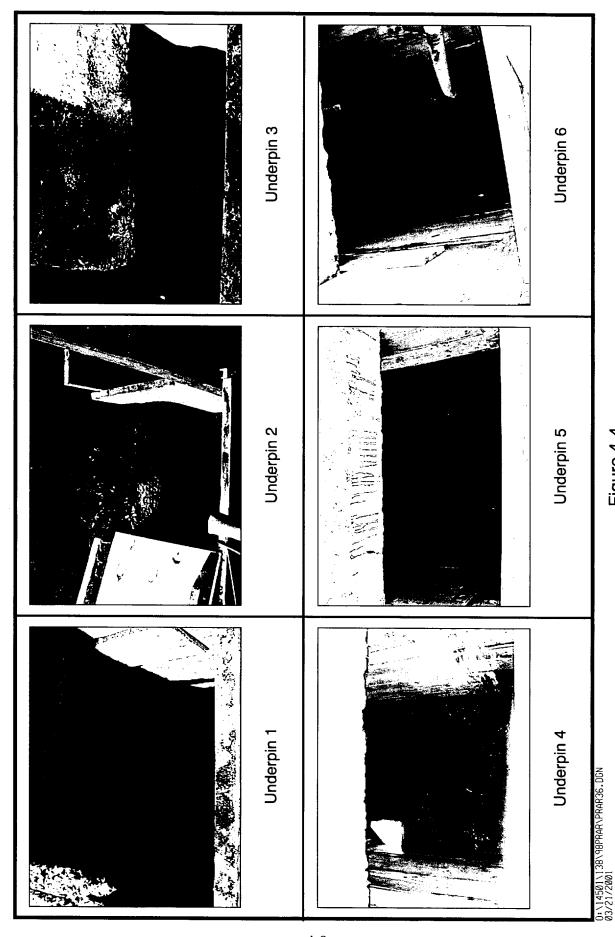


Figure 4-4 Underpin Photographs (Photos 1 through 6) 10 Hancock Street

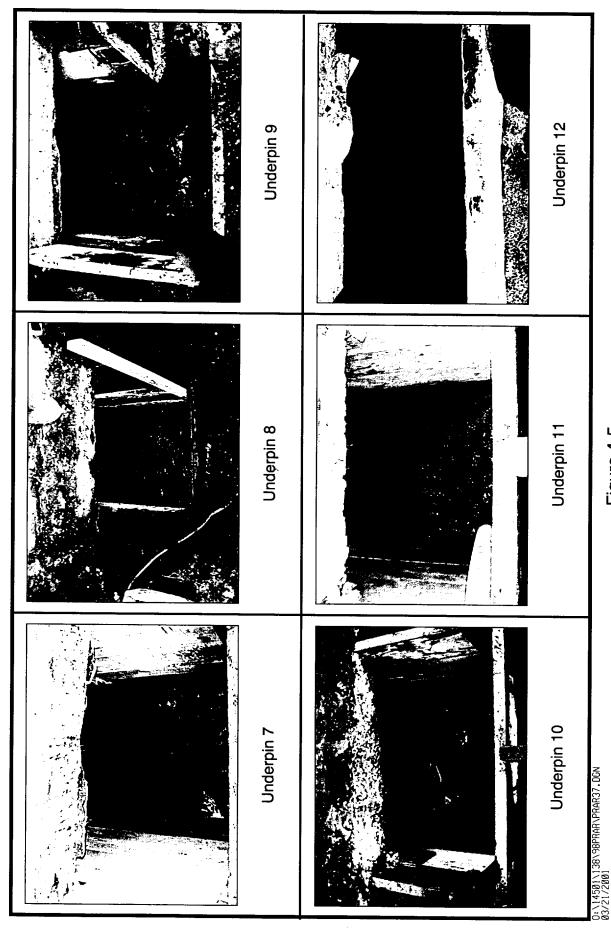


Figure 4-5 Underpin Photographs (Photos 7 through 12) 10 Hancock Street

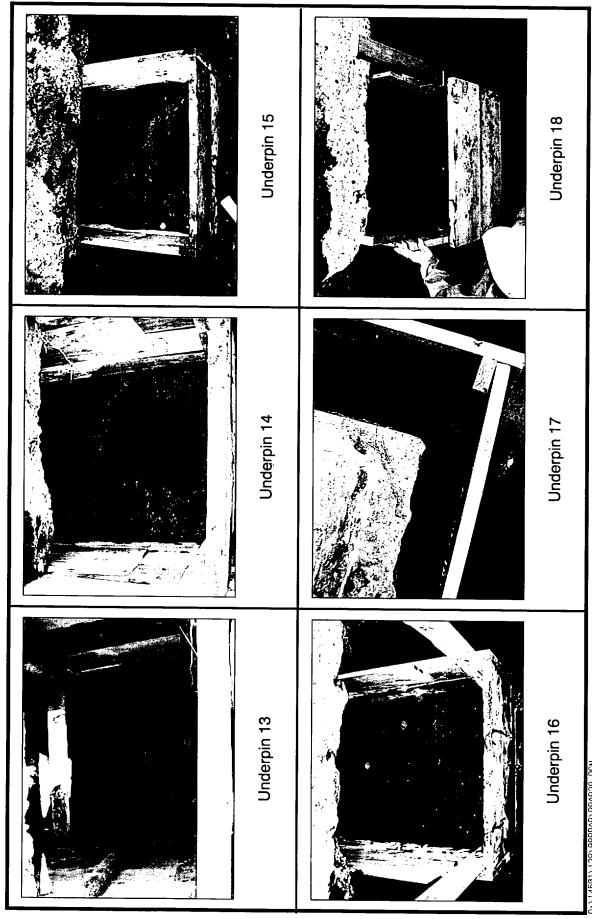


Figure 4-6 Underpin Photographs (Photos 13 through 18) 10 Hancock Street

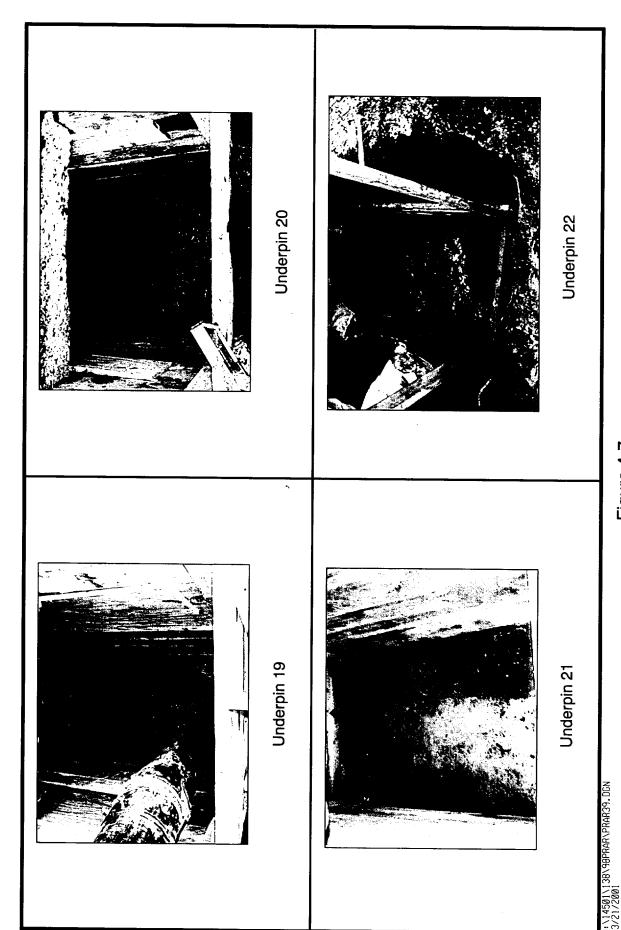


Figure 4-7 Underpin Photographs (Photos 19 through 22) 10 Hancock Street

4-12

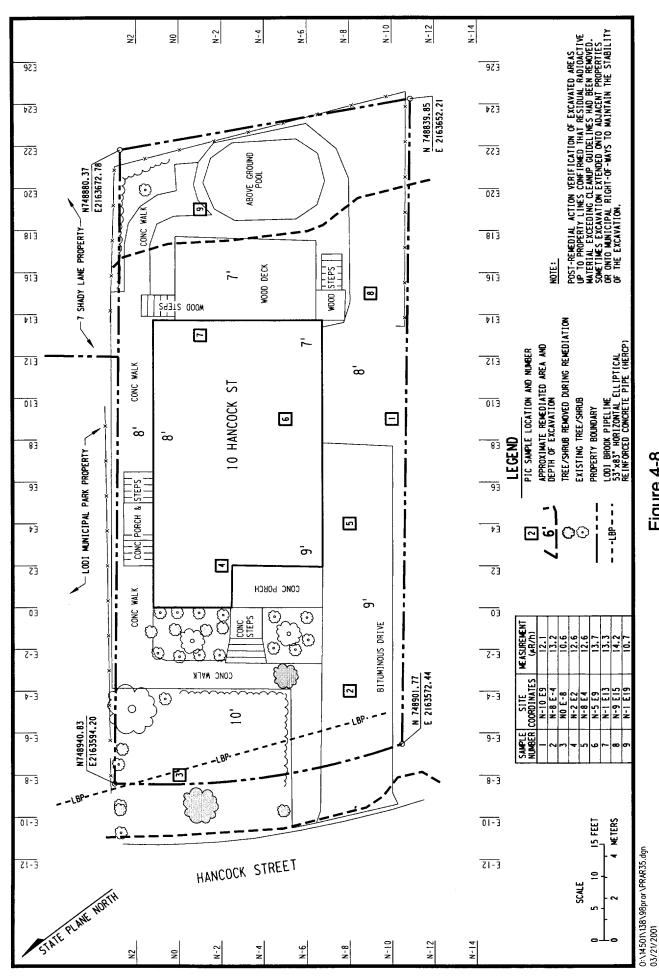


Figure 4-8
PIC Readings
10 Hancock Street and 7 Shady Lane

Figure 4-9 Photographs Taken During Remediation (Photos 1 through 4)

TABLE 4-1
POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE

Sample ID	# 000	Collection	Comments	Matrix	Coordinates	Depth Lab	Th-232	Error Ra-226	ta-226	Error	U-238	Error	Sum
		Date				(ft)	(bCi/g)) -\+	(pCi/g)) -\+	(bCi/g)	+	Ratios
MVP0470	138980504	5/4/1998	Post-RA composite	sts	N-8~-12 E-2~14	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.67	0.000
MVP1518	138980620	6/4/1998	Post-RA composite	sts	N2~-12 E-8~-2	0.0-0.5 MISS	0.38	0.05	0.02	0.03	0.00	0.00	0.080
MVP1519	138980620	6/4/1998	Post-RA composite	sts	N2~-12 E-2~6	0.0-0.5 MISS	0.00	0.05	0.00	0.03	0.00	0.00	0.000
MVP1520	138980620	6/4/1998	Post-RA composite	sts	N2~-8 E6~14	0.0-0.5 MISS	0.18	90.0	0.23	0.04	0.00	0.94	0.082
MVP1522	138980620	6/4/1998	Post-RA composite	sfs	N2~-12 E14~20	0.0-0.5 MISS	0.12	0.05	0.30	0.04	0.00	0.81	0.084
MVP0488	138980521	5/12/1998	Post-RA composite	sts	N0~8 E0~14	0.0-0.5 MISS	0.00	0.05	0.00	0.03	0.00	0.91	0.000
			underpin #1-24										
MVP1523	138980620	6/4/1998	Post-RA bias	sts	N-9 E1	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
MVP1524	138980620	6/4/1998	Post-RA bias	sts	N-3 E-4	0.0-0.5 MISS	2.62	0.10	0.00	0.03	0.00	0.00	0.524
MVP1525	138980620	6/4/1998	Post-RA bias	sts	N-5 E11	0.0-0.5 MISS	1.28	0.08	0.40	0.04	0.00	0.87	0.336
MVP1526	138980620	6/4/1998	Post-RA bias	sts	N-3 E17	0.0-0.5 MISS	0.00	0.05	0.00	0.03	0.00	0.00	0.000
MVP0471	138980504	5/4/1998	Post-RA bias	sts	N-8 E6	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
MVP0410	138980425	4/20/1998	Post-RA bias	sts	N-4 E14	0.0-0.5 MISS	0.07	90.0	0.45	0.04	0.00	0.00	0.104
			(UP# 1)										
MVP0414	138980425	4/20/1998	Post-RA bias	sts	N0.5 E14	0.0-0.5 MISS	0.10	90.0	0.15	0.04	0.00	0.98	0.050
			(UP# 2)										
MVP0418	138980439	4/27/1998	Post-RA bias	sts	N-8 E14	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
			(NP#3)										
MVP0420	138980428 4/21/1998	4/21/1998	Post-RA bias	sts	N-8 E10	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
				,									
MVP0423	138980428 4/21/1998	4/21/1998	Post-RA bias	sts	N-8 E6	0.0-0.5 MISS	0.12	90.0	0.09	0.04	0.00	0.00	0.042
	00000	000770077			L		,		6		1		
MVP0429	138980430 4/22/1998	4/22/1998	Post-KA bias	sts	N-8 E2	0.0-0.5 MISS	1.16	0.07	0.00	0.03	0.00	0.00	0.232
707007	40000400	0007,007			i		0	0	0	(•	
MVF0431	138980430 4/22/1998	4/22/1998	Fost-RA blas (UP# 7)	SIS	N-6 EU	0.0-0.5 MISS	0.00	0.05	0.00	0.02	0.00	0.69	0.000
MVP0435	138980434 4/23/1998	4/23/1998	Post-RA bias	sfs	N-6 E14	0.0-0.5 MISS	0.08	0.05	0.01	0.03	0.00	0.00	0.018
			(UP#8)								,		
MVP0437	138980434	4/23/1998	Post-RA bias	sts	N-2 E0	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.00	0.000
			(n #40)										
MVP0439	138980434	4/23/1998	Post-RA bias	sts	N-2 E14	0.0-0.5 MISS	0.00	90.0	0.02	0.03	0.00	0.83	0.004
MVD0443	138080430	4/27/1908	Doet-RA hise	ofe	N. 8 E42	SOM ROOM	4	30.0	0,000	2	4	2	000
	600000		(UP# 11)	2	7 - 0 - 12	2	2.	20.00	0	5.5	2	48.0	600.0
MVP0445	138980439 4/27/1998	4/27/1998	Post-RA bias	sfs	N-8 E8	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.63	0.000
			(UP# 12)	•	. !								
MVP0449	138980442 4/28/1998	4/28/1998	Post-RA bias	sts	N-8 E4	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.00	0.000

TABLE 4-1
POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE

Sample ID	# 2002	Collection Commen Date	Comments	Matrix	Coordinates	Depth Lab	Th-232 (pCi/g)	Error Ra-226 +\- (pCi/g)	Ra-226 (pCi/g)	Error (U-238 (pCi/g)	Error	Sum
MVP0452	138980445	138980445 4/29/1998	(UP# 13) Post-RA bias	sfs	N0 E12	0.0-0.5 MISS	00.0		90.0	0.03	0.00	0.00	0.012
MVP0456	138980445 4/29/1998	4/29/1998		sts	N0 E10	0.0-0.5 MISS	0.81	0.07	0.07	0.03	0.00	0.00	0.176
MVP0459	138980445	138980445 4/29/1998		sfs	N0 E8	0.0-0.5 MISS	0.58	90.0	0.00	0.03	0.00	0.00	0.116
MVP0462	138980447	138980447 4/30/1998		sts	N0 E0	0.0-0.5 MISS	1.52	0.08	0.00	0.03	0.00	0.85	0.304
MVP0466	138980504	5/4/1998	(UF# 17) Post-RA bias (110# 18)	sfs	N-3 E0	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.00	0.000
MVP0468	138980504	5/4/1998	(OF# 10) Post-RA bias	sts	N0 E2	0.0-0.5 MISS	0.00	0.03	0.00	0.02	0.00	0.00	0.000
MVP0478	138980507	5/5/1998	Post-RA bias	sts	N0 E6	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
MVP0476	138980507	5/5/1998	Post-RA bias	sts	N-8 E0	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.00	0.000
MVP0474	138980507	5/5/1998	Post-RA bias	sfs	N0 E4	0.0-0.5 MISS	0.00	0.04	0.00	0.02	0.00	0.00	0.000
MVP1512	138980610	6/2/1998	Post-RA bias	sts	N-8 E5	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	0.00	0.000
MVP1514	138980610	6/2/1998	(OF# 23) Post-RA bias	sts	N-8 E3	0.0-0.5 MISS	1.97	0.09	0.00	0.03	0.00	0.00	0.394
MVP0487	138980521	5/12/1998	Post-RA bias	sts	N-4 E12	0.0-0.5 MISS	0.19	0.03	0.45	0.03	2.25	0.58	0.173
MVP0491	138980521 5/12/1998	5/12/1998		sts	N-4 E10	0.0-0.5 MISS	0.00	0.05	0.07	0.03	0.00	0.70	0.014
MVP0495	138980526 5/13/1998	5/13/1998		sts	N-4 E7	0.0-0.5 MISS	0.02	0.05	0.42	0.04	1.19	1.22	0.112
MVP0497	138980526	5/13/1998		sts	N-4 E11	0.0-0.5 MISS	0.00	0.04	0.00	0.03	0.00	69.0	0.000
MVP0499	138980526	5/13/1998	Post-RA bias	sts	N-4 E9	0.0-0.5 MISS	0.87	0.09	0.50	0.05	3.00	1.28	0.334
MVP1502	138980529	5/18/1998	Post-RA bias	sts	N-5 E9	0.0-0.5 MISS	0.54	90.0	0.00	0.03	0.00	0.00	0.108
MVP1503	138980529 5/18/1998	5/18/1998	(Col# 7)	sts	N-4 E5	0.0-0.5 MISS	0.15	0.05	0.00	0.02	0.00	0.00	0:030

TABLE 4-1

POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE

•	7				Contract of the contract of th	-		-						2
Sample	COC# Collection Commen	Collection	Comments	Matrix	Coordinates	Deptu Lab		111-232 EITOT NA-220 EITOT U-230 EITOT		077-0	5	0-7-0		
							I							
		17.0				€		(Z):(C)	7	(4		+	Jotioe
		Date				33		5	(B)(C)	֓֞֝֟֝֟֝֟֝֟֝֟֝֟֟֝	- -	$\frac{1}{2}$	<u>.</u>	Valle
		000110111		,	CL 7 14	1000	0017	000	100	0	000	000	0	
MVP1507	138080535	38080535 5/10/1008 POST-KA	Post-RA hias	SIS	N-4 F.Z	0.0-0.0	200	9.0	ი ე	20.00	20.0	3.5	0.00	3
	20000	200		;										
			(O #1 ° O)											

NOTES:

COC # - chain of custody number

RA - remedial action

sfs - surface soil UP # - Underpin # Col # - Column #

Background values: Th-232 1.00 pCi/g, Ra-226 0.70 pCi/g, and U-238 2.90 pCi/g.

Net results are reported. The net result is obtained by subtracting background concentration for each radionuclide from the reported value for that radionuclide. If the net resultof a radionuclide is negative, then the value for that radionuclide is reported as zero.

5.0 POST-REMEDIAL ACTION STATUS

Final analytical results for 10 Hancock Street and 7 Shady Lane demonstrate that remediated areas are in compliance with applicable cleanup guidelines for radioactive contamination and that chemicals were not detected in soils exceeding the applicable chemical criteria.

The IVC is responsible for preparing a plan outlining the procedures used in conducting verification activities (ORNL 1998). In accordance with its verification plan, Type A and Type B reviews were conducted by the IVC following the completion of remediation at 10 Hancock Street and 7 Shady Lane.

Type A verification consisted of reviewing the existing post-remedial action survey results. After review of the results, the IVC determined if there was a need to collect additional samples from the location(s) listed in the survey results. In performing Type B verification review, the IVC conducted a survey of the site that included direct radiological measurements, review of the post-remedial action survey methods and results, sampling, and laboratory analysis of separate soil samples. On publication, the IVC's verification report will become part of the CERCLA Administrative Record for the Maywood FUSRAP site.

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APPENDIX A RADIATION AT A GLANCE

RADIATION AT A GLANCE

Of all activities at FUSRAP sites, those associated with radiation receive the most attention. What exactly is radiation and where does it come from? To answer these questions, it is best to start with a few basics.

All matter is made up of extremely small particles called atoms. Atoms contain even smaller particles called protons, neutrons, and electrons. When an atom has a stable mix of protons and neutrons, it is non-radioactive. However, when atoms have too many of either protons or neutrons, these unstable atoms can break apart, or decay, in an attempt to become stable. As atoms decay, energy is released; this released energy is called radiation.

Sources of Radiation

Radiation originates from natural events that happen all the time, but it can also be made by man. Most of the radiation people are exposed to occurs naturally. Radiation has always been present, and every person who has ever lived has been exposed to it. Although modern technology may seem to have greatly increased the exposure rate, this is not necessarily the case. Exposure to manmade radiation varies greatly based on a given individual's lifestyle choices and medical treatments.

Sources of natural, or background, radiation include internal radiation from food (we all have approximately 500,000 atoms disintegrating in our bodies every minute), cosmic radiation from the sun and from outside the solar system, and terrestrial radiation from rocks, soils, and minerals. People have no control over the amount of natural radiation around them, and the amount of natural radiation stays about the same over time. The natural radiation present in the environment today is not much different than it was hundreds of years ago. In general, over 80 percent of the radiation the average person is exposed to is from natural sources. Manmade radiation accounts for less than 20 percent of the total; most of it is from medical procedures.

Manmade sources of radiation include consumer products, medical procedures, and the nuclear industry. Some consumer products such as smoke detectors and even porcelain dentures contain radioactive elements. Probably the best-known source of manmade radiation is nuclear medicine. For example, to conduct a brain, liver, lung, or bone scan, doctors inject patients with radioactive compounds and then use radiation detectors to make a diagnosis by examining the resulting image of the organ. Manmade radioactive materials also include cesium-137 and strontium-90, present in the environment as a result of previous nuclear weapons testing.

As with background radiation, exposure to other sources of radiation varies greatly depending on individual choices, such as smoking tobacco products (which contain polonium-210) and eating certain foods (bananas contain potassium-40).

Levels of Radiation

The average dose caused by background radiation varies widely. In the United States, the average is about 300 mrem/yr; some people in other parts of the world receive a dose more than four times this amount. For example, in some areas of Brazil, doses to inhabitants can be more than 2,000 mrem/yr from background radiation. These wide variations are the result of several factors, most notably the types and amounts of radionuclides in the soil.

This diversity in background radiation is responsible for the large differences in doses. Because people live in areas with high levels of background radiation without proven harm, it is assumed by most in the scientific community that small variations in environmental radiation levels have an inconsequential effect, if any, on humans.

Measuring Radiation

To determine the possible effects of radiation on the health of the environment and people, these effects must be measured. More precisely, the potential for radiation to cause damage must be ascertained. Measurements of these potential effects are derived from the activity of each isotope and are expressed in terms of the absorbed dose to an individual and the effective dose or potential to cause biological damage.

Activity

When we measure the amount of radiation in the environment, what is actually being measured is the rate of radioactive decay, or radioactivity, of a given element. This radioactivity is expressed in a unit of measure known as a curie (Ci). A curie is a measure of radioactivity, not a set quantity of material. More specifically, one curie equals 37,000,000,000,000 (3.7×10^{10}) radioactive disintegrations per second. One gram of a radioactive substance may contain the same amount of radioactivity as several tons of another radioactive substance. For example, one gram of tritium (a radioactive form of hydrogen) emits about 10,000 Ci, while one gram of uranium emits about 0.000000333 (333×10^{-9}) Ci. Because the levels of radioactive contamination at most FUSRAP sites are very low, the picocurie is commonly used in reporting contaminant levels. One picocurie is equal to 1×10^{-12} curies. Contaminants in water are reported in picocuries per liter (pCi/L), and contaminants in soil are reported in picocuries per gram (pCi/g).

Absorbed Dose

The total amount of absorbed energy per unit mass as a result of exposure to radiation is expressed in a unit of measure known as a rad. However, in terms of human health, it is the relative effectiveness of the absorbed energy in causing biological damage that is important, not the actual amount of energy absorbed.

Dose Equivalent

The absorbed dose needed to achieve a given level of biological damage is different for different kinds of radiation. To allow for the different biological effectiveness of different kinds of radiation, the concept of dose equivalent is used. The dose equivalent is the product of the absorbed dose and a dimensionless quality factor. The unit of dose equivalent is called the rem (roentgen-equivalent-man). A rem is a fairly large dose; therefore, the most common unit of dose equivalent is the millirem (mrem), or 1/1,000 of a rem. Table A-1 describes some potential health effects over a wide range of radiation doses.

Table A-1
Comparison and Description of Various Dose Levels

Dose	Description
1 mrem	Approximate daily dose from natural background radiation, including that from radon.
2.5 mrem	Cosmic dose to a person on a one-way airplane flight from New York to Los Angeles.
4 mrem	Annual exposure limit set by EPA for manmade radiation in drinking water.
10 mrem	Typical dose from one chest X-ray using modern equipment.
10 mrem	Annual exposure limit, set by EPA, for exposures from airborne emissions (excluding radon) from operations of nuclear fuel cycle facilities, including power plants, uranium mines, and mills.
25 mrem	Annual exposure limit set by EPA for low-level waste-related exposures.
65 mrem	Average yearly dose to people in the United States from manmade sources.
60-80 mrem	Average yearly dose from cosmic radiation to people in the Rocky Mountain States.
83 mrem	Estimate of the largest dose any offsite person could have received from the March 28, 1979, Three Mile Island nuclear accident.
100 mrem	Annual limit of dose from all DOE facilities to a member of the public who is not a radiation worker.
110 mrem	Average occupational dose received by United States commercial radiation workers in 1980.

170 mrem	Average yearly dose to an airline flight crew member from cosmic radiation.
300 mrem	Average yearly dose to people in the United States from all sources of natural background radiation.
900 mrem	Average dose from a lower-intestine diagnostic X-ray series.
1,000–5,000 mrem	EPA's Protective Action Guidelines state that public officials should take emergency action when the dose to a member of the public from a nuclear accident will likely reach this range.
5,000 mrem	Annual limit for occupational exposure of radiation workers set by the U.S. Nuclear Regulatory Commission and DOE.
8,000 mrem	Average yearly dose to the lungs from smoking 1½ packs of cigarettes per day.
10,000 mrem	The BEIR V report estimated that an acute dose at this level would result in a lifetime excess risk of death from cancer, caused by the radiation, of 0.8 percent.
25,000 mrem	EPA's guideline for voluntary maximum dose to emergency workers for non-lifesaving work during an emergency.
75,000 mrem	EPA's guideline for maximum dose to emergency workers volunteering for lifesaving work.
50,000–600,000 mrem	Doses in this range received over a short period of time will produce radiation sickness in varying degrees. At the lower end of this range, people are expected to recover completely, given proper medical attention. At the top of this range, most people will die within 60 days.

APPENDIX B

CONTAMINATION CONTROL DURING REMEDIAL ACTION

CONTAMINATION CONTROL DURING REMEDIAL ACTION

During the removal action, engineering and administrative controls (such as dust control, hazardous work permits, and installation of silt fences) and personal protective equipment (PPE) were used to protect remediation workers and members of the public from exposure to radiation in excess of applicable guidelines. These measures also controlled the migration of radioactive material to uncontaminated areas next to these vicinity properties.

All personnel working in contaminated areas were required to wear protective clothing, safety glasses, rubber boots, hard hat, and gloves.

Workers exiting controlled areas were checked for radioactive contamination (frisked) at the control point with a hand-held radiation detection instrument. Conducted by personnel who have received Radiological Worker II training, the frisk ensured that workers were not contaminated and prevented the potential spread of radioactive material from the work area. A frisk is simply a search for radioactive material that may have been transferred onto the skin or clothing of individuals inside the work area. The AC-3 alpha probe radiation detection instrument is hand-held approximately 0.5 cm (0.2 in.) away from the area to be frisked and moved slowly [about 5 cm (2 in.) per second] across the body or clothing by the worker. Portions of the worn PPE that were suspected or known to be contaminated were packaged and shipped to Envirocare of Utah for disposal.

The primary pathway by which persons onsite and offsite could be exposed to radioactive material during removal activities at the site was inhalation and ingestion of radioactively contaminated airborne dust generated during excavation. The spread of contamination and personnel exposure during remedial action were minimized by the following measures:

- A fine water mist was sprayed as needed to control dust during soil removal and transport.
- Trucks hauling contaminated materials were fitted with liners, and the loads were covered with tarps to prevent spillage.
- Silt fences were placed around excavated areas to prevent runoff of potentially contaminated sediment and were maintained until restoration activities were completed.

Water accumulated in the excavated area was sampled first for shipment to an offsite laboratory for radionuclides analysis. Then the water was pumped into a tanker and transported to the MISS.

Area air particulate sampling was also performed adjacent to areas being remediated to ensure that no member of the general public was exposed at levels exceeding the guidelines (DOE 1990). The limits expressed are derived concentration guides (DCGs); a DCG is the concentration of a particular radionuclide that would provide an effective dose equivalent of 100 mrem/yr to an individual continuously inhaling the radionuclide for an entire year. These guidelines were established by the International Commission on Radiation Protection and the National Commission on Radiation Protection to protect the environment and members of the general public. Eberline RAS-1 high-volume and SKC low-volume samplers were used, and the filters were collected daily and counted after 4 days to allow for radon decay. As an extra precaution, the area monitors were placed well within the site perimeter. The average concentration of thorium-232 measured by area air particulate monitors was $1.61 \times 10^{-14} \,\mu\text{Ci/mL}$ $(1.61 \times 10^{-5} \, \text{pCi/L})$ (BNI 1999b).

Most results were below the DCG of 1.0×10^{-5} pCi/L for thorium-232. Even though the DCG was exceeded for a few 8-h periods, a person would need to be exposed to the thorium-232 DCG continuously for 1 year to receive a dose greater than the 100 mrem/yr guideline.

APPENDIX C

QUALITY CONTROL DATA FOR 10 HANCOCK STREET

QUALITY CONTROL DATA FOR 10 HANCOCK STREET TABLE C-1

Sample ID	# 202	Date	Comments	Matrix	Coordinates	Depth	Th-232 Review	Error F	Error Ra-226 Review	Error	U-238 Review	1	Error
	i					Œ	(pCi/g) Qual. ^a	‡	+\- (pCi/g) Qual. ^a	‡	(pCi/g) Qual.ª	<u>8</u>	+
background							1.00		0.70		2.90		
MVP1528	138980644	6/16/1998	138980644 6/16/1998 Pre-remediation QC sample for MVP0400	sqs	N-9 E16	3-3.5	1.81	0.32	2.06	0.14	2.12		1.36
MVP1529	138980644	6/16/1998	138980644 6/16/1998 Post-remedial action bias QC sample for MVP0410	sts	N-4 E14	0.0-0.5	0.81	0.17	1.01	0.13	2.42		1.08
MVP1530	138980644	6/16/1998		sts	N-8 E10	0.0-0.5	0.30	0.17	0.44	0.07	0.94	<u>:5</u> .	1.08
MVP1531	138980644			sts	N-8 E2	0.0-0.5	1.87	0.19	0.50	0.07	1.29	<u>:</u>	1.75
MVP1532	138980644	6/16/1998		sts	N-2 E14	0.0-0.5	0.52	0.14	0.61	90.0	1.97		0.94
MVP1533	138980644	6/16/1998		sts	N-8 E4	0.0-0.5	0.66	0.20	09.0	0.07	-0.14	Έr	2.11
MVP1534	138980644	6/16/1998	<i>"</i> –	sįs	NO E8	0.0-0.5	0.88	0.23	0.58	0.08	2.86		1.23
MVP1535	138980644	6/16/1998	138980644 6/16/1998 Post-remedial action composite a QC sample for MVP0470	sfs	N-8~-12 E-2~14	0.0-0.5	0.41	0.20	0.65	0.07	1.19	. <u>2</u> .	1.05
MVP1536 ^b	138980644	6/16/1998	138980644 6/16/1998 Remedial action QC sample for MVP0490	sqs	N-3 E8	œ	19.24	0.72	4.31	0.21	20.46		4.19
MVP1537 ^b	138980644	6/16/1998	138980644 6/16/1998 Remedial action QC sample for MVP1500	sps	N4 E-6	7	6.91	0.40	2.82	0.14	7.98		3.78
MVP1538	138980644	6/16/1998	138980644 6/16/1998 Post-remedial action composite for MVP1520	sfs	N2~-8 E6~14	0.0-0.5	0.94	0.24	1.00	0.09	3.42		1.42

COC # - chain of custody number

sfs - surface soil

sbs - subsurface soil

QC - quality control

uj - Undetected-estimated. The result is below the minimum detectable activity level or less than the associated error. Samples were analyzed at Thermo NuTech Laboratory, Oak Ridge, TN

Gross results are reported. The net result is obtained by subtracting background concentration for each radionuclide from the reported value for that radionuclide.

^a Data validation - Document ID # 9806128

^b Samples were taken during the remedial action to identify areas needing additional soil removal. The final status of the site is represented by the post-remedial action samples (see Table 4-1 for results).

APPENDIX D

POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE

TABLE D-1
POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE

138980504 5/4/1998 Post-RA composite 138980620 6/4/1998 Post-RA bias 138980425 4/20/1998 Post-RA bias (UP# 1) 138980425 4/20/1998 Post-RA bias (UP# 2) 138980426 4/21/1998 Post-RA bias (UP# 3) 138980439 4/27/1998 Post-RA bias (UP# 4) 138980430 4/22/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 5) 138980434 4/23/1998 Post-RA bias (UP# 6) 138980434 4/23/1998 Post-RA bias (UP# 6) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9)	sfs N-812 E-214 sfs N212 E-82 sfs N212 E-2-6 sfs N28 E614 sfs N212 E1420	(m)	(pci/g) Qual.	<u>+</u>		‡		•	
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138980425 4/20/1998 Post-RA bias (UP# 1) 138980425 4/20/1998 Post-RA bias (UP# 2) 138980439 4/27/1998 Post-RA bias (UP# 3) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980434 4/23/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	8-Z		0.59	0.0	0.07	3 6	4.30 UJ		9 6
(UP# 1) 138980425 4/20/1998 Post-RA bias (UP# 2) 138980439 4/27/1998 Post-RA bias (UP# 3) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980434 4/23/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	S 4		1.07	0.0	1 15	3 5			
Post-RA bias (UP# 2) Post-RA bias (UP# 3) Post-RA bias (UP# 5) Post-RA bias (UP# 5) Post-RA bias (UP# 6) Post-RA bias (UP# 8) Post-RA bias (UP# 9) Post-RA bias (UP# 9) Post-RA bias (UP# 9)				3	2	5			3
(UP# 2) (UP# 3) (138980428 4/27/1998 Post-RA bias (UP# 4) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980434 4/23/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N0.5 E14	0.0-0.5 MISS	1.10	90.0	0.85	0.04	1.99 uj		96.0
(UP# 3) 138980428 4/21/1998 Post-RA bias (UP# 4) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980434 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9)	efe N_8 E14	33IM 3000		3		6			;
138980428 4/21/1998 Post-RA bias (UP# 4) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9)			ţ	5	0.44	0.03	 1.84 L		0.00
(UP# 4) 138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9)	sfs N-8 E10	0.0-0.5 MISS	0.51	0.04	0.43	0 03	1 92		9
138980428 4/21/1998 Post-RA bias (UP# 5) 138980430 4/22/1998 Post-RA bias (UP# 6) 138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9))	3			3
138980430 4/22/1998 Post-RA bias (UP# 6) 138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10) 138980434 4/23/1998 Post-RA bias (UP# 10) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N-8 E6	0.0-0.5 MISS	1.12	90.0	0.79	0.04	2.32 uj		0.00
(UP# 6) 138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N-8 E2	0.0-0.5 MISS	2.16	0.07	. 020	0	2.40		5
138980430 4/22/1998 Post-RA bias (UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)			- : i	5	5	3.5	7. 10 fn		3
(UP# 7) 138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N-6 E0	0.0-0.5 MISS	0.94 j	0.05	0.45 j	0.02	1.37 uj		0.69
138980434 4/23/1998 Post-RA bias (UP# 8) 138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)									
138980434 4/23/1998 Post-RA bias (UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N-6 E14	0.0-0.5 MISS	1.08	0.05	0.71 j	0.03	2.32 uj		0.00
(UP# 9) 138980434 4/23/1998 Post-RA bias (UP# 10)	sfs N-2 E0	0.0-0.5 MISS	0.56	0.04	0.50	000	1 85		9
138980434 4/23/1998 Post-RA bias (UP# 10)			3	5	50:0	70.0			3
(UP# 10)	sfs N-2 E14	0.0-0.5 MISS	0.92 j	90.0	0.72 j	0.03	2.63 uj		0.83
120000120 1/07/4000 Dest DA Lieu									
130900439 4/27/1990 F081-RA DIAS	sfs N-8 E12	0.0-0.5 MISS	1.15 j	0.02	0.88 j	0.04	4.03 uj		0.94
bias	sfs N-8 E8	0.0-0.5 MISS	0.73	0.04	0.43	000	2 68	0 63	5
(UP# 12)					?	9	9:4		ર

POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE **TABLE D-1**

Error +		0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.70	1.22	0.69	1.28	0.00
Review Qual. ^a		Ų	;∃`	·5	· <u>5</u>	<u>.</u> 2.	. <u>D</u> .	. <u>2.</u>	.E.	Ĺ	<u>.</u>	. <u>2</u> .	Ę,		· 5		· 5	. <u>2</u> .	<u>.</u>
1-1	2.90	1.65	2.21	2.50	2.15	2.31	1.82	1.36	1.49	1.66	1.51	1.82	2.78	5.15	1.07	4.09	0.15	5.90	2.22
Error		0.02	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.03	0.05	0.03
Review Qual. ^a		-	-	-	-		-	,		-			-		-			-	
Ra-226 Ro (pCi/g) G	0.70	0.46	0.76	0.77	0.62	0.63	0.49	0.35	0.44	0.40	0.46	0.50	0.57	1.15	0.77	1.12	0.54	1.20	0.68
Error Ra-226 Review +\- (pCi/g) Qual. ^a		0.04	0.05	0.07	90.0	0.08	0.04	0.03	0.04	0.04	0.04	0.04	0.09	0.03	0.05	0.05	0.04	0.09	90.0
Review Qual. ^a		ļ		-						-	<u></u>				-			-	_
Th-232 Review (pCi/g) Qual. ^a	1.00	0.54	0.83	1.81	1.58	2.52	0.64	0.38	0.48	0.52	99.0	0.64	2.97	1.19	0.93	1.02	0.64	1.87	45.1
Lab T		MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS	MISS
Depth (ft)		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
Coordinates		N-8 E4	N0 E12	N0 E10	NO E8	N0 E0	N-3 E0	N0 E2	N0 E6	N-8 E0	N0 E4	N-8 E5	N-8 E3	N-4 E12	N-4 E10	N-4 E7	N-4 E11	N-4 E9	N-5 E9
Matrix		sfs N	sfs N	sfs N	sfs N	sfs N	sfs N	sfs N	sfs N	sfs	sfs	sfs N	sfs	sfs	sfs	sfs t	sfs	sfs	sfs
		S	S	v	G	o,	0)	0)	0,	u,	v,	0,	o,	•,	o,	υ,	•,	•	••
Comments		138980442 4/28/1998 Post-RA bias	(UF# 13) Post-RA bias	(UP# 14) Post-RA bias	(UP# 15) Post-RA bias	(UP# 16) Post-RA bias	(UP# 17) Post-RA bias	(UP# 18) Post-RA bias	(UP# 19) Post-RA bias	(UP# 20) Post-RA bias	(UP# 21) Post-RA bias	(UP# 22) Post-RA bias	(UP# 23) Post-RA bias	(UP# 24) Post-RA bias	(Col# 1) Post-RA bias	(Col# 2) Post-RA bias		(Col# 4) Post-RA bias	(Col# 5) Post-RA bias (Col# 6)
Collection Comments Date		1/28/1998		4/29/1998		4/30/1998	5/4/1998	5/4/1998	5/5/1998	5/5/1998	5/5/1998	6/2/1998	6/2/1998	5/12/1998	5/12/1998	5/13/1998	5/13/1998	5/13/1998	5/18/1998
) #202		138980442	138980445 4/29/1998	138980445 4/29/1998	138980445 4/29/1998	138980447 4/30/1998	138980504	138980504	138980507	138980507	138980507	138980610	138980610	138980521	138980521	138980526	138980526	138980526	138980529 5/18/1998
Sample ID	background	H .	MVP0452	MVP0456	MVP0459	MVP0462	MVP0466	MVP0468	MVP0478	MVP0476	MVP0474	MVP1512	MVP1514	MVP0487	MVP0491	MVP0495	MVP0497	MVP0499	MVP1502

POST-REMEDIAL ACTION DATA FOR 10 HANCOCK STREET AND 7 SHADY LANE **TABLE D-1**

	Collection	Sample ID COC # Collection Comments	Matrix	Matrix Coordinates	Depth	e-	Th-232 Re	eview	Error F	a-226 Re	view E	rror	Depth Lab Th-232 Review Error Ra-226 Review Error U-238 Review Error	w Eri
	Date				(ft)		(pCi/g) Qual. ^a	lual.ª) -\+	pCi/g) Qı	al.ª	J) -\+	+\- (pCi/g) Qual. ^a +\- (pCi/g) Qual. ^a	e .
							1.00			0.70			2.90	
980529	5/18/1998 F	Post-RA bias	sts	N-4 E5	0.0-0.5	MISS	1.15		0.05	0.52	- 	7.02	1.82 uj	0.00
30000)	(Col# 7)	ų	C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3000	MISS	0.78		0.05	0.48		60		0
20000)	Col# 8)	20	<u>'</u>	5		2	-	3	P F	_	3		i
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	80529	80529 5/18/1998 F	ackground AVP1503 138980529 5/18/1998 Post-RA bias (Col# 7) AVP1507 138980535 5/19/1998 Post-RA bias (Col# 8)		sfs sfs	sfs N-4 E5 sfs N-4 E2	sfs N-4 E5 0.0-0.5 MISS sfs N-4 E2 0.0-0.5 MISS	sfs N-4 E5 0.0-0.5 MISS sfs N-4 E2 0.0-0.5 MISS	sfs N-4 E5 0.0-0.5 MISS 1.15 j	sfs N-4 E5 0.0-0.5 MISS 1.15 j				

NOTES:

COC # - chain of custody number

RA - remedial action

sfs - surface soil

UP # - Underpin # Col # - Column #

Estimated, qualitatively correct but quantitatively suspect.

uj - Undetected-estimated. The result is below the minimum detectable activity level or less than the associated error.

Gross results are reported. The net result is obtained by subtracting background concentration for each radionuclide from the reported value for that radionuclide. ^a Data validation - Document ID # 98G1019, 98G1020, 98G1021, 98G1022, 98G1024, 98G1025, 98G1026, 98G1027, 98G1029, 98G1030, 98G1034

98G1035, 98G1036, 98G1040, 98G1041, 98G0142

APPENDIX E

RADIOLOGICAL DATA FOR CLEAN OVERBURDEN SOIL

TABLE E-1
RADIOLOGICAL DATA FOR MAYWOOD VICINITY PROPERTIES CLEAN OVERBURDEN SAMPLES

Debt	Property	Document	# 000	Collection	Sample ID	Matrix	Matrix Coordinates Depth		Th-232 Review		Error F	Error Ra-226 Review	Review	Error	U-238 Review	Review	Error
96C1030 138980C506 5.441998 MVP1100 sbs N1E5 1 0.04 0.69 1 0.03 1.59 96C1030 138980C506 5.441998 MVP1102 sbs N1E2 2 0.64 0.64 0.69 1 0.03 1.59 96C1031 138980C506 5.441998 MVP1102 sbs N1E2 2 0.64 0.64 0.64 0.63 1.60 96C1031 138980C506 5.441998 MVP1104 sbs N1E0 2 0.63 0.04 0.64 0.63 0.03 1.57 96C1031 138980C506 5.441998 MVP1105 sbs N1E0 2 0.63 0.04 0.80 0.02 1.43 96C1031 138980C506 5.441998 MVP1105 sbs N2E 1 0.63 0.04 0.80 0.02 1.42 96C1031 138980C506 5.441998 MVP1105 sbs N2E 1 0.64 0.04 0.80 <th></th> <th>۵</th> <th></th> <th>Date</th> <th></th> <th></th> <th></th> <th></th> <th>(bCi/g)</th> <th>Qual.</th> <th></th> <th>(bCi/g)</th> <th>Qual.</th> <th></th> <th>(bCi/g)</th> <th>Qual.</th> <th> </th>		۵		Date					(bCi/g)	Qual.		(bCi/g)	Qual.		(bCi/g)	Qual.	
98G/1030 138980006 544/1998 MVP11(10 8b NI E 1 064 069 0.03 156 98G/1030 138980006 544/1998 MVP1101 8b NI E2 2 0.84 0.04 0.84 0.03 1.73 98G/1030 138980005 544/1998 MVP1102 8b NI E2 2 0.83 0.04 0.84 0.03 1.73 98G/1031 138980005 544/1998 MVP1105 8b NI E2 2 0.83 0.04 0.89 0.02 1.45 98G/1031 138980005 544/1998 MVP1105 8b NI E2 2 0.64 0.04 0.82 0.02 1.45 98G/1031 138980000 557/1998 MVP1101 8b NI E4 1 0.72 0.04 0.83 1.65 98G/1032 138980000 557/1998 MVP1111 8b NI E4 1 0.04 0.04 0.03 1.61 98G/1032 1	background								1.00			0.70			2.90		
99C1030 138980C50C 6AH/1998 MVPP101 358 NI E3 1 0.95 0.04 0.95 0.03 1.57 98C1030 138890C50C 5AH/1998 MVPP1102 358 NI E4 2 0.83 0.04 0.75 0.04 0.84 0.03 1.57 98C1031 138890C50C 5AH/1998 MVPP1104 358 NI E4 3 0.43 0.04 0.51 0.02 1.54 98C1031 13899C50C 5AH/1998 MVPP1104 358 NI E4 3 0.43 0.04 0.51 0.02 1.54 98C1031 1389B0C008 55F/1998 MVPP1104 358 N.2 E-2 2 0.83 0.04 0.55 0.03 1.74 98C1031 1389B0C008 55F/1998 MVPP1104 358 N.2 E-2 2 0.83 0.04 0.55 0.03 1.74 98C1032 1389B0C008 55F/1998 MVPP1104 358 N.2 E-4 0.04 0.75	4 HANCOCK STREET	98G1030	138980506	5/4/1998	MVP1100	sqs	N1 E5	1	0.67	ŀ	0.04	69.0	-	0.03	1.60	į	0.00
99C1030 1389B0CDGG 544/1998 MMPP1102 sbs N1 EA 2 0.84 0.04 0.75 0.03 1.57 99C1031 1389B0CDGG 544/1998 MMPP1104 sbs N1 EQ 2 0.83 0.04 0.54 0.03 1.58 99C1031 1389B0CDG 544/1998 MMPP1105 sbs N1 EQ 2 0.54 0.04 0.53 0.02 1.44 99C1031 1389B0CDG 554/1998 MMPP1105 sbs N1 EQ 2 0.54 0.04 0.53 0.02 1.44 98C1031 1389B0CDG 554/1998 MMPP1105 sbs N1 EC 1 0.04 0.04 0.03 1.41 98C1032 1389B0CDG 554/1998 MMPP111 sbs N2 E-4 1 0.04 0.04 0.03 1.51 98C1032 1389B0CDG 554/1998 MMPP111 sbs N2 E-4 1 0.04 0.04 0.03 1.14 96C1032	4 HANCOCK STREET	98G1030	138980506	5/4/1998	MVP1101	sqs		_	0.95		0.04	0.90	—	0.03	1.73	.	0.00
98C1031 1389806206 514/1998 MVPT104 Sb N1E2 2 0.83 0.04 0.84 0.03 1.58 98C1031 1389806206 54/1998 MVPT104 sb N1E0 1 0.60 0.04 0.81 0.02 1.45 98C1031 1389806206 54/1998 MVPT106 sb N1E0 3 0.55 0.03 0.41 0.02 1.42 98C1031 1389806208 55/1998 MVPT101 sb N1E0 3 0.55 0.04 0.75 0.02 1.42 98C1031 1389806208 55/1998 MVPT101 sb N2E4 1 0.04 0.05 0.02 1.42 98C1032 1389806208 55/1998 MVPT111 sb N2E4 1 0.04 0.03 0.03 1.65 98C1032 1389806208 55/1998 MVPT111 sb N2E4 1 0.04 0.07 0.03 1.71 98C1032 138980608 <td>4 HANCOCK STREET</td> <td>98G1030</td> <td>138980506</td> <td>5/4/1998</td> <td>MVP1102</td> <td>sqs</td> <td>N1 E4</td> <td>2</td> <td>0.81</td> <td>. —</td> <td>0.04</td> <td>0.75</td> <td>-</td> <td>0.03</td> <td>1.57</td> <td>Έ.</td> <td>0.00</td>	4 HANCOCK STREET	98G1030	138980506	5/4/1998	MVP1102	sqs	N1 E4	2	0.81	. —	0.04	0.75	-	0.03	1.57	Έ.	0.00
98G1031 (138986056 54/1998 MVP1106 sbs NLE 1 NLE 0 0.64 0.04 0.51 0.02 145 98G1031 (138986056 54/1998 MVP1106 sbs NLE 1 NLE 0 2 0.54 0.04 0.38 0.02 141 98G1031 (138980586 55/1998 MVP1107 sbs NLE 1 NLE 4 3 0.50 0.04 0.05 0.02 1.42 98G1031 (13896058 55/1998 MVP1107 sbs NLE 1 NLE 4 1 0.64 0.04 0.06 0.03 0.14 0.02 1.42 98G1031 (13896058 55/1998 MVP110 sbs NLP 1 NLE 4 1 0.84 0.04 0.08 0.03 1.61 98G1032 (13896058 55/1998 MVP111 sbs NLP 1 NLE 1 0.84 0.04 0.08 0.03 1.71 98G1032 (13896058 55/1998 MVP111 sbs NLP 1 NLE 1 0.04 0.05 0.07 0.04 0.05 0.03	4 HANCOCK STREET	98G1031	138980506	5/4/1998	MVP1103	sqs	N1 E2	2	0.83		0.04	0.84		0.03	1.68		0.00
98G1031 1388906506 \$IAT199B MVP1105 \$BS NIED 0.54 0.04 0.38 0.02 1.44 98G1031 1388906506 \$IAT199B MVP110F \$BS NIED 3 0.59 0.03 0.41 0.02 1.34 98G1031 1389906508 \$IAT199B MVP110B \$BS NIED 1 0.72 0.04 0.05 1.34 98G1031 1389906508 \$IAT199B MVP110B \$BS NIED 1 0.74 0.04 0.02 1.41 98G1032 1389906508 \$IAT199B MVP1111 \$BS NIED 1 0.74 0.04 0.03 1.75 98G1032 1389906508 \$IAT199B MVP1111 \$BS NIED 1 0.04 0.07 0.03 1.75 98G1032 1389906508 \$IAT199B MVP1111 \$BS NIED 1 0.04 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03<	4 HANCOCK STREET	98G1031	138980506	5/4/1998	MVP1104	sqs	N-1 E0	ζ	09.0		0.04	0.51		0.02	1.59		0.00
98G1031 1388906508 56/51998 MVP1106 Sh NIE4 3 0.43 0.04 0.02 1.42 98G1031 1388906508 56/51998 MVP1108 shs NIE4 3 0.50 0.04 0.72 0.04 0.72 1.42 0.04 0.72 0.04 0.72 0.04 0.72 0.04 0.02 1.42 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.03 1.71 986102 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.03 1.71 0.04 0.05 0.04 0.05 0.03 1.71 0.06 0.04 0.04 0.05 <td< td=""><td>4 HANCOCK STREET</td><td>98G1031</td><td>138980506</td><td>5/4/1998</td><td>MVP1105</td><td>sqs</td><td>N1 E0</td><td>2</td><td>0.54</td><td></td><td>0.04</td><td>0.38</td><td></td><td>0.02</td><td>1.41</td><td></td><td>0.00</td></td<>	4 HANCOCK STREET	98G1031	138980506	5/4/1998	MVP1105	sqs	N1 E0	2	0.54		0.04	0.38		0.02	1.41		0.00
9861031 138980508 5/5/1998 MVP1108 sbs N-2E-2 2 0.87 0.04 0.72 0.03 1.67 142 9861031 138980508 5/5/1998 MVP1108 sbs N-2E-2 2 0.87 0.04 0.66 0.03 1.71 9862008 5/5/1998 MVP1110 sbs N-2E-4 1 0.64 0.04 0.70 0.03 1.71 98621031 138980508 5/5/1998 MVP1111 sbs N-2E-1 1 0.04 0.04 0.04 0.00 0.03 1.71 98621032 138980508 5/5/1998 MVP1111 sbs N-2E-1 1 0.04 0.04 0.04 0.00 0.03 1.72 9863103 138980508 5/5/1998 MVP1111 sbs N-2E-1 1 0.09 0.05 0.05 0.04 0.00 0.03 1.83 9863103 138980508 5/5/1998 MVP1114 sbs N-2E-1 1 0.09 0.05 0.05 0.07 0.03 0.51 9863103 138980508 5/5/1998 MVP1114 sbs N-2E-1 1 0.05 0.09 0.05 0.05 0.07 0.03 1.82 9863103 138980508 5/5/1998 MVP1114 sbs N-2E-1 1 0.05 0.09 0.05 0.04 0.76 0.03 1.82 9863103 138980508 5/5/1998 MVP1114 sbs N-2E-1 1 0.05 0.09 0.05 0.04 0.76 0.03 1.82 9863103 138980508 5/5/1998 MVP1114 sbs N-2E-1 2 0.04 0.05 0.04 0.76 0.03 1.82 9863103 138980508 5/5/1998 MVP1114 sbs N-10E-2 2 0.04 0.04 0.05 0.04 0.05 0.05 0.05 0.05	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1106	sqs	N1 E4	က	0.43		0.03	0.42		0.02	1.34		0.00
9861031 138980508 5/5/1998 MVP1109 sbs N2E-2 2 0.83 0.04 0.72 0.03 1.65 9861031 138980508 5/5/1998 MVP1110 sbs N2E-2 2 0.83 0.04 0.80 0.03 1.75 9861031 138980508 5/5/1998 MVP1111 sbs N2E-4 1 0.74 0.04 0.80 0.03 1.75 9861032 138980508 5/5/1998 MVP1111 sbs N2E-11 1 0.87 1 0.04 0.70 1 0.03 0.51 9861032 138980508 5/5/1998 MVP1113 sbs N2E-11 1 0.90 1 0.04 0.70 1 0.03 1.80 0.861032 138980508 5/5/1998 MVP1114 sbs N2E-11 2 1.00 1 0.04 0.77 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1114 sbs N2E-11 2 1.00 1 0.04 0.77 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1117 sbs N2E-11 2 0.07 1 0.04 0.77 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1117 sbs N2E-11 2 0.07 1 0.04 0.77 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1117 sbs N2E-11 2 0.07 1 0.04 0.77 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1110 sbs N4E-16 1 0.040 0.55 1 0.04 0.75 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1110 sbs N4E-16 1 0.040 0.54 1 0.04 0.55 1 0.04 0.55 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1113 sbs NAF-12 2 0.04 0.54 1 0.04 0.55 1 0.03 1.80 9861032 138980508 5/5/1998 MVP110 sbs N4E-16 1 0.04 0.54 1 0.04 0.55 1 0.03 1.80 9861032 138980508 5/5/1998 MVP110 sbs N4E-16 1 0.04 0.54 1 0.04 0.55 1 0.03 1.80 9861032 138980508 5/5/1998 MVP1003 sbs NAF-2 2 0.04 0.47 1 0.04 0.55 1 0.03 1.80 9861032 138980424 416/1998 MVP0603 sbs NAF-2 2 0.54 1 0.04 0.54 1 0.00 0.3 1.80 9861030 138980424 416/1998 MVP0603 sbs NAF-2 2 0.54 1 0.04 0.54 1 0.00 0.04 0.55 1 0.03 1.80 9861030 138980424 416/1998 MVP0603 sbs NAF-2 2 0.54 1 0.04 0.54 1 0.00 0.03 1.80 9861030 138980424 4120/1998 MVP0603 sbs NAF-2 2 0.54 1 0.04 0.54 1 0.00 0.00 0.03 1.77 1.80 0.00 0.00 0.00 0.00 0.00 0.00 0.00	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1107	sqs	N1 E0	က	0.50		0.03	0.41		0.05	1.42		0.00
98G1031 138980508 5/6/1998 MVP1110 sh N2E-2 2 0.84 0.04 0.66 0.03 1.71 98G1031 138980508 5/6/1998 MVP1110 sh N2E-4 1 0.84 0.04 0.09 0.03 1.71 98G1032 138980508 5/6/1998 MVP1111 sh N7E-11 1 0.87 0.04 0.07 0.03 1.51 98G1032 138980508 5/6/1998 MVP1114 sh NAE-11 1 0.87 0.04 0.07 0.03 1.80 98G1032 138980508 5/6/1998 MVP1114 sh NAE-11 0.04 0.05 0.04 0.03 1.83 98G1032 138980508 5/6/1998 MVP1114 sh NAE-1 0.045 0.04 0.03 1.83 98G1032 138980508 5/6/1998 MVP1114 sh NAE-2 2 0.04 0.04 0.03 1.83 98G1032 138980508	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1108	sqs	N-3 E0	τ-	0.72		0.04	0.72		0.03	1.61		0.00
98G1031 1388980508 5/5/1998 MVP1111 bis NZE-4 1 0.84 0.04 0.89 0.03 1.71 98G1032 138980508 5/5/1998 MVP1111 bis NZE-6 1 0.74 0.04 0.89 0.03 1.71 98G1032 138980508 5/5/1998 MVP1111 bis NZE-11 2 1.00 1 0.04 0.91 1 0.03 1.85 98G1032 138980508 5/5/1998 MVP1115 bis NZE-11 2 1.00 1 0.04 0.91 0.03 1.85 98G1032 138980508 5/5/1998 MVP1115 bis NZE-1 2 0.05 0.04 0.07 1.00 1.00 98G1032 138980508 5/5/1998 MVP1112 bis NZE-2 1.00 0.04 0.04 0.03 1.73 98G1032 138980508 5/5/1998 MVP1112 bis NZE-2 0.04 0.04 0.04 <th< td=""><td>4 HANCOCK STREET</td><td>98G1031</td><td>138980508</td><td>5/5/1998</td><td>MVP1109</td><td>sqs</td><td>N-2 E-2</td><td>7</td><td>0.83</td><td></td><td>0.04</td><td>99.0</td><td></td><td>0.03</td><td>1.65</td><td></td><td>0.00</td></th<>	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1109	sqs	N-2 E-2	7	0.83		0.04	99.0		0.03	1.65		0.00
98G1032 138980508 5/5/1998 MVP1111 sbs NZE-6 1 0.74 0.04 0.88 0.03 1.65 98G1032 138980508 5/5/1998 MVP1111 sbs NZE-11 1 0.90 1 0.04 0.77 1 0.03 0.51 98G1032 138980508 5/5/1998 MVP1114 sbs NZE-11 2 0.87 1 0.04 0.77 1 0.03 1.80 0.51 98G1032 138980508 5/5/1998 MVP1114 sbs NZE-11 2 0.87 1 0.04 0.77 1 0.03 1.80 98G1032 138980508 5/5/1998 MVP1114 sbs NZE-11 2 0.87 1 0.04 0.76 1 0.03 1.82 98G1032 138980508 5/5/1998 MVP1114 sbs NZE-11 2 0.99 1 0.05 0.77 1 0.03 1.82 98G1032 138980508 5/5/1998 MVP1114 sbs NZE-12 0.0-0.5 0.51 1 0.04 0.75 1 0.02 1.51 98G1032 138980508 5/5/1998 MVP1119 sbs NZE-2 2 0.04 0.65 1 0.04 0.75 1 0.02 1.51 98G1032 138980508 5/5/1998 MVP1119 sbs NZE-2 2 0.04 0.65 1 0.04 0.57 1 0.03 1.87 98G1032 138980508 5/5/1998 MVP1121 sbs NZE-2 2 0.04 0.65 1 0.04 0.55 1 0.03 1.87 98G1032 138980508 5/5/1998 MVP1121 sbs NZE-2 2 0.04 1 0.04 0.55 1 0.03 1.75 98G1032 138980428 4/20/1998 MVP0601 sbs NZE-6 2 0.54 1 0.04 0.55 1 0.03 1.75 98G1032 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.54 1 0.04 0.51 1 0.03 1.75 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.55 1 0.04 0.51 1 0.05 1.87 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.53 1.31 1 0.04 0.55 1 0.05 1.87 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.53 1.31 1 0.04 0.55 1 0.05 1.87 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.53 1.31 1 0.04 0.56 1 0.05 0.03 1.75 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.53 1.31 1 0.04 0.89 1 0.05 1.89 98G1020 138980428 4/20/1998 MVP0603 sbs NZE-6 2 0.53 1.31 1 0.04 0.89 1 0.05 1.89 98G1020 138980428 4/20/1998 MVP0604 sbs NZE-6 2 0.53 1.31 1 0.04 0.89 1 0.05 1.44 1 0.05 0.03 1.79 98G1031 138980505 54/1998 MVP0613 sbs NZE-6 2 0.53 1.31 0.04 0.99 0.03 1.79 98G1031 138980505 54/1998 MVP0613 sbs NZE-6 0.55 0.04 0.99 0.04 0.99 0.03 1.79 98G1031 138980505 54/1998 MVP0614 sbs NZE-6 0.55 0.04 0.99 0.04 0.99 0.03 1.79 98G1031 138980505 54/1998 MVP0614 sbs NZE-6 0.55 0.04 0.99 0.04 0.99 0.03 1.79 98G1031 138980505 54/1998 MVP0614 sbs NZE-6 0.05 0.04 0.05 0.00 0.04 0.04 0.05 0.00 0.00	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1110	sqs	N2 E-4	₹	0.84		0.04	0.80		0.03	1.71		0.00
98G1032 138890508 5/5/1998 MVP1112 sb N-FE-11 1 0.87 1 0.04 0.70 1 0.03 0.51 98G1032 138890508 5/5/1998 MVP1114 sbs N-E-11 2 1.00 1 0.04 0.71 1 0.03 1.83 98G1032 13890506 5/5/1998 MVP1114 sbs N-E-11 2 0.87 1 0.04 0.75 1 0.03 1.83 98G1032 13890506 5/5/1998 MVP1114 sbs N-TE-2 1 0.06 0.75 1 0.03 1.83 98G1032 13890506 5/5/1998 MVP1118 sbs N-10E0 1 0.04 0.75 1 0.02 1.83 98G1032 13890508 5/5/1998 MVP112 sbs N-10E0 1 0.04 0.75 1 0.02 1.83 98G1032 13890508 5/5/1998 MVP112 sbs N-1E-2 2	4 HANCOCK STREET	98G1031	138980508	5/5/1998	MVP1111	sqs	N2 E-6		0.74		0.04	0.88		0.03	1.65		0.00
98G1032 138890508 \$I/FI199B MVPP1113 sbx N-5 E-11 2 100 1004 0.91 1003 188 188 98G1032 138890508 \$I/FI19BB MVPP1114 sbx N-5 E-11 1 0.05 0.77 1 0.03 188 98G1032 138890508 \$I/FI19BB MVP1114 sbx N-7 E-3 1 0.05 0.77 1 0.03 188 98G1032 138890508 \$I/FI19BB MVP1114 sbx N-7 E-3 1 0.05 0.04 0.75 1 0.02 1.51 98G1032 138890508 \$I/FI19BB MVP112 sbx N-10 E-2 2 0.04 0.05 0.04 0.02 1.51 98G1032 13880508 \$I/FI19BB MVP1121 sbx N-10 E-2 2 0.04 0.05 0.02 1.51 98G1032 13880508 \$I/FI19BB MVP1121 sbx N-10 E-3 0.04 0.05 0.02 1.51 <td>4 HANCOCK STREET</td> <td>98G1032</td> <td>138980508</td> <td>5/5/1998</td> <td>MVP1112</td> <td>sqs</td> <td>N-7 E-11</td> <td>.</td> <td>0.87</td> <td>-</td> <td>0.04</td> <td>0.70</td> <td></td> <td>0.03</td> <td>0.51</td> <td>.<u>E</u>.</td> <td>0.49</td>	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1112	sqs	N-7 E-11	.	0.87	-	0.04	0.70		0.03	0.51	. <u>E</u> .	0.49
98G1032 138980508 5/5/1998 MVP1114 sbs N-BE-11 1 0.90 i 0.05 0.77 j 0.03 1.83 98G1032 138980508 5/5/1998 MVP1115 sbs N-BE-11 2 0.87 j 0.04 0.76 j 0.03 1.82 98G1032 138980506 5/5/1998 MVP1117 sbs N-TE-4 0.0-0.5 0.51 j 0.04 0.75 j 0.03 1.83 98G1032 138980506 5/5/1998 MVP1119 sbs N-10E-2 2 1.00 j 0.04 0.75 j 0.02 1.55 98G1032 138980508 5/5/1998 MVP0112 sbs N-10E-2 2 0.04 0.75 j 0.02 1.55 98G1032 138980428 5/5/1998 MVP0600 sbs N-10E-2 2 0.04 0.75 j 0.02 1.55 98G1032 138980422 4/26/1998 MVP0603 <td>4 HANCOCK STREET</td> <td>98G1032</td> <td>138980508</td> <td>5/5/1998</td> <td>MVP1113</td> <td>sqs</td> <td>N-5 E-11</td> <td>2</td> <td>1.00</td> <td>-</td> <td>0.04</td> <td>0.91</td> <td>_</td> <td>0.03</td> <td>1.80</td> <td>Ċ</td> <td>0.00</td>	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1113	sqs	N-5 E-11	2	1.00	-	0.04	0.91	_	0.03	1.80	Ċ	0.00
98G1032 138980508 5/5/1998 MVP1115 sbs N-5E-11 2 0.04 0.76 1 0.03 1.82 98G1032 138980508 5/5/1998 MVP1116 sbs N-7E-4 0.0-0.5 1 0.04 0.76 1 0.02 1.55 98G1032 138980508 5/5/1998 MVP1110 sbs N-10E-2 2 1.00 1 0.04 0.57 1 0.02 1.55 98G1032 138980508 5/5/1998 MVP1110 sbs N-10E-2 2 1.00 1 0.04 0.57 1 0.03 1.80 98G1032 138980508 5/5/1998 MVP1121 sbs N-10E-2 2 1.00 1 0.04 0.57 1 0.03 1.87 98G1032 138980428 4/76/1998 MVP0601 sbs N-10E-2 2 0.04 0.57 1 0.03 1.87 98G1032 138980423 4/76/1998 MVP0601 sbs <td>4 HANCOCK STREET</td> <td>98G1032</td> <td>138980508</td> <td>5/5/1998</td> <td>MVP1114</td> <td>sps</td> <td>N-8 E-11</td> <td>-</td> <td>0.90</td> <td>-</td> <td>0.05</td> <td>0.77</td> <td>-</td> <td>0.03</td> <td>1.83</td> <td>Ξ'</td> <td>0.00</td>	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1114	sps	N-8 E-11	-	0.90	-	0.05	0.77	-	0.03	1.83	Ξ'	0.00
98G1032 138980508 5/5/1998 MVP1116 sbs N-7E-3 1 0.56 j 0.03 0.44 j 0.02 1.55 98G1032 138980508 5/5/1998 MVP1111 sbs N-10E-2 1 0.09 j 0.04 0.43 j 0.02 1.51 98G1032 138980508 5/5/1998 MVP1118 sbs N-10E-2 1 0.09 j 0.04 0.43 j 0.02 1.51 98G1032 138890508 5/5/1998 MVP1121 sbs N-16E-2 2 1.00 j 0.04 0.55 j 0.03 1.80 98G1032 138890508 5/5/1998 MVP01121 sbs N-16E-3 3 0.64 0.04 0.45 j 0.03 1.80 98G1032 138890428 1/16/1998 MVP0603 sbs N-2E-4 2-2.5 0.74 j 0.04 0.51 j 0.03 1.75 98G1020 138	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1115	sqs	N-5 E-11	7	0.87	-	0.04	0.76	-	0.03	1.82	Ξ,	0.00
98G1032 138980508 5/5/1998 MVP1117 sfs N-TE-4 0.0-0.5 0.51 j 0.04 0.43 j 0.02 1.51 98G1032 138980508 5/5/1998 MVP1118 sbs N-10E-2 2 1.00 j 0.04 0.35 j 0.03 1.80 98G1032 138980508 5/5/1998 MVP1120 sbs N-10E-2 2 1.00 j 0.04 0.35 j 0.03 1.80 98G1032 138980508 5/5/1998 MVP01121 sbs N-10E-3 3 0.64 j 0.03 1.80 98G1019 138980422 4/16/1998 MVP0601 sbs N-10E-3 3 0.54 j 0.04 0.57 j 0.03 1.79 98G1019 138980422 4/16/1998 MVP0601 sbs N-10E-3 3 0.54 j 0.04 0.51 j 0.03 1.79 98G1020 138980422 4/20/1998	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1116	sps	N-7 E-3	-	0.56	-	0.03	0.44		0.02	1.55	·5'	0.00
98G1032 138980508 5/5/1998 MVP1118 sbs N-10E0 1 0.09 j 0.05 0.86 j 0.03 1.80 98G1032 138980508 5/5/1998 MVP1119 sbs N-10E-2 2 1.00 j 0.04 0.37 j 0.03 1.87 98G1032 138980508 5/5/1998 MVP1120 sbs N-16E-6 2 0.63 j 0.04 0.37 j 0.03 1.87 98G1019 138980423 4/16/1998 MVP0601 sbs N-16E-3 2 0.63 j 0.04 0.55 j 0.03 1.87 98G1020 138980423 4/16/1998 MVP0602 sbs N-2E-4 2.2.5 0.47 j 0.04 0.51 j 0.02 1.75 98G1020 13880424 4/20/1998 MVP0602 sbs N-10E-1 3 0.04 0.51 j 0.02 1.77 98G1020 138880425 <t< td=""><td>4 HANCOCK STREET</td><td>98G1032</td><td>138980508</td><td>5/5/1998</td><td>MVP1117</td><td>sts</td><td>N-7 E-4</td><td>0.0-0.5</td><td>0.51</td><td>-</td><td>0.04</td><td>0.43</td><td><u> </u></td><td>0.02</td><td>1.51</td><td><u>.</u></td><td>0.00</td></t<>	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1117	sts	N-7 E-4	0.0-0.5	0.51	-	0.04	0.43	<u> </u>	0.02	1.51	<u>.</u>	0.00
98G1032 138980508 5/5/1998 MVP1119 sbs N-10E-2 2 1.00 j 0.04 0.97 j 0.03 1.87 98G1032 138980508 5/5/1998 MVP1120 sbs N-4E-16 1 0.61 j 0.04 0.55 j 0.03 0.23 98G1032 138980508 5/5/1998 MVP1061 sbs N-7E-2 2 0.63 j 0.04 0.55 j 0.02 1.56 98G1019 138980423 4/16/1998 MVP0601 sbs N-2E-4 2-2.5 0.74 j 0.04 0.61 j 0.03 1.75 98G1019 138980423 4/16/1998 MVP0604 sbs N-2E-4 2-2.5 0.74 j 0.04 0.61 j 0.03 1.75 98G1020 138980426 4/20/1998 MVP0604 sbs N-2E-4 2-2.5 0.74 j 0.04 0.61 j 0.03 1.77 98	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1118	sqs	N-10 E0	_	0.99	-	0.05	0.86	-	0.03	1.80	Ξ,	0.00
98G1032 138980508 5/5/1998 MVP1120 sbs N4 E-16 1 0.61 j 0.04 0.55 j 0.03 0.23 98G1032 138980508 5/5/1998 MVP1121 sbs NA E-6 2 0.63 j 0.04 0.55 j 0.02 1.56 98G1019 138980423 4/16/1998 MVP0601 sbs N-10 E-3 2 0.54 j 0.04 0.61 j 0.03 1.75 98G1019 138980426 4/20/1998 MVP0602 sbs N-2 E-4 2-2.5 0.74 j 0.04 0.61 j 0.03 1.75 98G1020 138980426 4/20/1998 MVP0605 sbs N-10 E-1 3 0.81 j 0.04 0.61 j 0.03 1.75 98G1020 138980426 4/20/1998 MVP0606 sbs NO E-7 3.5 1.44 0.04 0.61 j 0.03 1.77 98G1020 <	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1119	sqs	N-10 E-2	7	1.00	-	0.04	0.97	-	0.03	1.87	. <u>D</u> .	0.00
98G1032 138980508 5/5/1998 MVP1121 sbs N-5 E-6 2 0.63 j 0.04 0.52 j 0.02 1.56 98G1019 138980423 4/16/1998 MVP0600 sbs N-7 E-2 2 0.44 j 0.04 0.65 j 0.03 1.76 98G1019 138980423 4/16/1998 MVP0601 sbs N-10 E-3 3 0.54 j 0.04 0.61 j 0.03 1.76 98G1020 138980428 4/16/1998 MVP0602 sbs N-2 E-4 2-2.5 0.47 j 0.04 0.61 j 0.03 1.76 98G1020 138980426 4/20/1998 MVP0604 sbs N-1 E-4 2-2.5 0.74 j 0.04 0.65 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0606 sbs N-1 E-6 2-2.5 0.74 j 0.04 0.65 j 0.02 1.71	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1120	sqs	N-4 E-16	_	0.61	-	0.04	0.55		0.03	0.23	. <u></u> .	0.37
98G1019 138980423 4/16/1998 MVP0600 sbs N-T E-2 2 0.44 j 0.04 0.46 j 0.03 1.79 98G1019 138980423 4/16/1998 MVP0601 sbs N-T E-2 2 0.54 j 0.04 0.61 j 0.03 1.76 98G1019 138980423 4/16/1998 MVP0602 sbs N-E E-4 2-2.5 0.74 j 0.04 0.61 j 0.03 1.76 98G1020 138980426 4/20/1998 MVP0603 sbs N-Z E-6 2-2.5 0.74 j 0.04 0.61 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0606 sbs N-D E-6 2-2.5 0.74 j 0.04 0.61 j 0.02 1.71 98G1020 138980427 4/21/1998 MVP0606 sbs N-E E-6 2.5-3 1.34 j 0.04 0.61 j 0.02 1.81	4 HANCOCK STREET	98G1032	138980508	5/5/1998	MVP1121	sqs	N-5 E-6	2	0.63	_	0.04	0.52	į	0.02	1.56	ų	0.00
98G1019 138980423 4/16/1998 MVP0601 sbs N-10 E-3 3 0.54 j 0.04 0.61 j 0.03 1.76 98G1019 138980423 4/16/1998 MVP0602 sbs N-8 E-7 2.2.5 0.47 j 0.04 0.51 j 0.03 1.76 98G1020 138980426 4/20/1998 MVP0603 sbs N-2 E-6 2-2.5 0.74 j 0.04 0.61 j 0.03 1.71 98G1020 138980426 4/20/1998 MVP0605 sbs N-10 E-1 3 0.81 j 0.04 0.61 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0605 sbs N-10 E-6 2.5-3 1.34 0.04 0.61 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0606 sbs N-2 E-6 2.5-3 1.34 0.04 0.61 j 0.02 1.77 98G1020 1	6 HANCOCK STREET	98G1019	138980423	4/16/1998	MVP0600	sqs	N-7 E-2	2	0.44	. <u> </u>	0.04	0.46	_	0.03	1.79	ų	0.00
98G1019 139980423 4/16/1998 MVP0602 sbs N-8 E-7 2 0.58 j 0.04 0.51 j 0.03 1.67 98G1020 138980426 4/20/1998 MVP0603 sbs N-2 E-4 2-2.5 0.74 j 0.04 0.51 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0604 sbs N-10 E-1 3 0.81 j 0.04 0.65 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0606 sbs NO E-7 3.5 1.44 0.08 1.85 0.05 1.87 98G1020 138980426 4/21/1998 MVP0606 sbs NO E-8 0.5-1 1.35 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0609 sbs N-E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.46 98G1020 138980427	6 HANCOCK STREET	98G1019	138980423	4/16/1998	MVP0601	sqs	N-10 E-3	က	0.54	· -	0.04	0.61	۰	0.03	1.76	. <u>c.</u>	0.00
98G1020 138980426 4/20/1998 MVP0603 sbs N-2 E-4 2-2.5 0.47 j 0.04 0.41 j 0.02 1.71 98G1020 138980426 4/20/1998 MVP0604 sbs N-2 E-6 2-2.5 0.74 j 0.04 0.65 j 0.03 1.89 98G1020 138980426 4/20/1998 MVP0606 sbs N-10 E-1 3.5 1.44 0.08 1.85 0.06 3.11 98G1020 138980427 4/21/1998 MVP0606 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0608 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.30 98G1020 138980427 4/21/1998 MVP0610 sbs N-12 E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.30 98G1020	6 HANCOCK STREET	98G1019	138980423	4/16/1998	MVP0602	sqs	N-8 E-7	7	0.58	-	0.04	0.51	۰	0.03	1.67	· 5	0.00
98G1020 138980426 4/20/1998 MVP0604 sbs N-2 E-6 2-2.5 0.74 j 0.04 0.65 j 0.03 1.89 98G1020 138980426 4/20/1998 MVP0605 sbs N-10 E-1 3 0.81 j 0.04 0.61 j 0.02 1.87 98G1020 138980426 4/20/1998 MVP0606 sbs N0 E-8 0.5-1 1.35 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0608 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.30 98G1020 138980427 4/21/1998 MVP0609 sbs N-12 E-6 2.5-3 1.39 j 0.05 1.44 j 0.05 2.30 98G1020 138980505 5/4/1998 MVP0610 sbs N-12 E-7 1.77 0.06 1.44 j 0.05 0.03 0.03 1.73 <	6 HANCOCK STREET	98G1020	138980426	4/20/1998	MVP0603	sqs	N-2 E-4	2-2.5	0.47	-	0.04	0.41		0.02	1.71	<u>.</u>	0.00
98G1020 138980426 4/20/1998 MVP0605 sbs N-10 E-1 3 0.81 j 0.04 0.61 j 0.02 1.87 98G1020 138980426 4/20/1998 MVP0606 sbs N0 E-7 3.5 1.44 0.08 1.85 0.06 3.11 98G1020 138980427 4/21/1998 MVP0606 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0609 sbs N-6 E-6 2.5-3 1.69 j 0.06 1.44 j 0.05 2.30 98G1020 138980505 5/4/1998 MVP0610 sbs N-12 E-6 2.5-3 1.69 j 0.06 1.44 j 0.05 2.30 98G1031 138980505 5/4/1998 MVP0610 sbs N-12 E-7 1.77 0.05 0.04 0.99 0.03 1.73 98G1031 138980505 5/4/1998	6 HANCOCK STREET	98G1020	138980426	4/20/1998	MVP0604	sqs	N-2 E-6	2-2.5	0.74	-	0.04	0.65		0.03	1.89	<u>.</u>	0.00
98G1020 138980426 4/20/1998 MVP0606 sbs N0 E-7 3.5 1.44 0.08 1.85 0.06 3.11 98G1020 138980427 4/21/1998 MVP0607 sbs N0 E-8 0.5-1 1.35 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0609 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.60 j 0.05 2.30 98G1020 138980427 4/21/1998 MVP0610 sbs N-12 E-6 2.5-3 1.69 j 0.06 1.44 j 0.05 2.30 98G1030 138980505 5/4/1998 MVP0610 sbs N-12 E-4 1 0.85 j 0.04 0.99 0.03 1.73 98G1031 138980505 5/4/1998 MVP0612 sbs N-12 E-3 2 0.04 0.94 0.03 0.03 1.79 98G1031 138980505 5/4/1998 MVP0614 <td>6 HANCOCK STREET</td> <td>98G1020</td> <td>138980426</td> <td>4/20/1998</td> <td>MVP0605</td> <td>sqs</td> <td>N-10 E-1</td> <td>ო</td> <td>0.81</td> <td>-</td> <td>0.04</td> <td>0.61</td> <td></td> <td>0.02</td> <td>1.87</td> <td>Ξ,</td> <td>0.00</td>	6 HANCOCK STREET	98G1020	138980426	4/20/1998	MVP0605	sqs	N-10 E-1	ო	0.81	-	0.04	0.61		0.02	1.87	Ξ,	0.00
98G1020 138980427 4/21/1998 MVP0607 sbs N0 E-8 0.5-1 1.35 j 0.07 1.61 j 0.05 2.46 98G1020 138980427 4/21/1998 MVP0608 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.60 j 0.05 2.30 98G1020 138980427 4/21/1998 MVP0609 sbs N-12 E6 1 0.86 j 0.04 0.88 j 0.05 0.33 0.67 98G1031 138980505 5/4/1998 MVP0611 sbs N-12 E4 1 0.86 j 0.04 0.99 0.03 1.73 98G1031 138980505 5/4/1998 MVP0612 sbs N-12 E3 2 1.17 0.05 0.34 0.03 1.79 98G1031 138980505 5/4/1998 MVP0614 sbs N-12 E3 2 1.17 0.05 1.37 0.04 1.84 98G1031 138980505 5/4/1998 <t< td=""><td>6 HANCOCK STREET</td><td>98G1020</td><td>138980426</td><td>4/20/1998</td><td>MVP0606</td><td>sqs</td><td>N0 E-7</td><td>3.5</td><td>1.44</td><td></td><td>0.08</td><td>1.85</td><td></td><td>90.0</td><td>3.11</td><td>Ξ,</td><td>0.00</td></t<>	6 HANCOCK STREET	98G1020	138980426	4/20/1998	MVP0606	sqs	N0 E-7	3.5	1.44		0.08	1.85		90.0	3.11	Ξ,	0.00
P8G1020 138980427 4/21/1998 MVP0608 sbs N-2 E-6 2.5-3 1.31 j 0.07 1.60 j 0.05 98G1020 138980427 4/21/1998 MVP0609 sbs N-6 E-6 2.5-3 1.69 j 0.06 1.44 j 0.05 98G1030 138980505 5/4/1998 MVP0610 sbs N-12 E4 1 0.86 j 0.04 0.98 j 0.03 98G1031 138980505 5/4/1998 MVP0612 sbs N-12 E5 2 0.92 0.04 0.99 0.03 98G1031 138980505 5/4/1998 MVP0613 sbs N-12 E3 2 1.17 0.05 1.37 0.04 98G1031 138980505 5/4/1998 MVP0614 sbs N-12 E1 1 0.51 0.05 1.37 0.04 98G1031 138980505 5/4/1998 MVP0615 sbs N-12 E0 2 0.55 0.03 0.40 0.09 <	6 HANCOCK STREET	98G1020	138980427	4/21/1998	MVP0607	sqs	N0 E-8	0.5-1	1.35	-	0.07	1.61		0.05	2.46	Ξ.	0.00
98G1020 138980427 4/21/1998 MVP0609 sbs N-6 E-6 2.5-3 1.69 j 0.06 1.44 j 0.05 98G1030 138980505 5/4/1998 MVP0610 sbs N-12 E4 1 0.86 j 0.04 0.88 j 0.03 98G1031 138980505 5/4/1998 MVP0612 sbs N-12 E5 2 0.92 0.04 0.99 0.03 98G1031 138980505 5/4/1998 MVP0613 sbs N-12 E3 2 1.17 0.05 1.37 0.04 98G1031 138980505 5/4/1998 MVP0614 sbs N-12 E1 1 0.51 0.05 1.37 0.04 98G1031 138980505 5/4/1998 MVP0615 sbs N-12 E1 1 0.51 0.03 0.40 0.02 98G1031 138980505 5/4/1998 MVP0615 sbs N-12 E0 2 0.55 0.03 0.40 0.02	6 HANCOCK STREET	98G1020	138980427	4/21/1998	MVP0608	sqs	N-2 E-6	2.5-3	1.31	-	0.07	1.60	-	0.05	2.30	. <u>2</u> .	0.00
98G1031 138980505 5/4/1998 MVP0610 sbs N-12E6 1 0.86 j 0.04 0.88 j 0.03 (98G1031 138980505 5/4/1998 MVP0611 sbs N-12E4 1 0.85 0.04 0.99 0.03 1 138980505 5/4/1998 MVP0612 sbs N-12E5 2 0.92 0.04 0.94 0.03 1 138980505 5/4/1998 MVP0613 sbs N-12E1 1 0.51 0.05 1.37 0.04 0.05 1.37 0.04 0.05 1.37 0.04 0.05 1.37 0.04 0.05 1.37 0.05	6 HANCOCK STREET	98G1020	138980427	4/21/1998	MVP0609	sqs	N-6 E-6	2.5-3	1.69	-	90.0	1.44		0.05	0.83	. <u>c</u> .	0.61
98G1031 138980505 5/4/1998 MVP0611 sbs N-12E4 1 0.85 0.04 0.99 0.03 0.03 0.05 138980505 5/4/1998 MVP0612 sbs N-12E5 2 0.92 0.04 0.94 0.03 0.03 0.05 1.37 0.04 0.03 0.04 0.03 0.04 0.03 0.04 0.05 1.37 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.05	6 HANCOCK STREET	98G1030	138980505	5/4/1998	MVP0610	sqs	N-12 E6	-	0.86		0.04	0.88		0.03	0.67	<u>.</u>	0.62
98G1031 138980505 5/4/1998 MVP0612 sbs N-12E5 2 0.92 0.04 0.94 0.03 98G1031 138980505 5/4/1998 MVP0613 sbs N-12E3 2 1.17 0.05 1.37 0.04 98G1031 138980505 5/4/1998 MVP0614 sbs N-12E1 1 0.51 0.03 0.40 0.02 98G1031 138980505 5/4/1998 MVP0615 sbs N-12E0 2 0.55 0.03 0.40 0.02 0	6 HANCOCK STREET	98G1031	138980505	5/4/1998	MVP0611	sqs	N-12 E4	-	0.85		0.04	0.99		0.03	1.73		0.00
98G1031 138980505 5/4/1998 MVP0613 sbs N-12E3 2 1.17 0.05 1.37 0.04 1 98G1031 138980505 5/4/1998 MVP0614 sbs N-12E1 1 0.51 0.03 0.40 0.02 1 98G1031 138980505 5/4/1998 MVP0615 sbs N-12E0 2 0.55 0.03 0.40 0.02 0	6 HANCOCK STREET	98G1031	138980505	5/4/1998	MVP0612	sqs	N-12 E5	7	0.92		0.04	0.94		0.03	1.79		0.00
98G1031 138980505 5/4/1998 MVP0614 sbs N-12E1 1 0.51 0.03 0.40 0.02 1 98G1031 138980505 5/4/1998 MVP0615 sbs N-12E0 2 0.55 0.03 0.40 0.02 0	6 HANCOCK STREET	98G1031	138980505	5/4/1998	MVP0613	sps	N-12 E3	7	1.17		0.05	1.37		0.04	1.84		0.00
98G1031 138980505 5/4/1998 MVP0615 sbs N-12 E0 2 0.55 0.03 0.40 0.02 0	6 HANCOCK STREET	98G1031	138980505	5/4/1998	MVP0614	sps	N-12 E1	_	0.51		0.03	0.40		0.02	1.45		0.00
	6 HANCOCK STREET	98G1031	138980505	5/4/1998	MVP0615	sqs	N-12 E0	2	0.55		0.03	0.40		0.05	90.0		0.50

TABLE E-1
RADIOLOGICAL DATA FOR MAYWOOD VICINITY PROPERTIES CLEAN OVERBURDEN SAMPLES

The color of the	Property	Document	# COC #	Collection	Sample ID	Matrix	Matrix Coordinates Depth	s Depth	Th-232 F	Review	Error F		Review			Review	Error
96G1023 138980440 47281999 MVPC0802 388 MIE-15 1 0.07 0.03 2.90 96G1024 138980440 47281999 MVPC0802 388 NIE-15 1 0.05 0.05 0.03 2.00 0.03 2.90 96G1024 138980440 47281999 MVPC0803 388 NIE-17 2 0.74 1 0.04 0.59 0.03 1.00 967.026 138980440 47281999 MVPC0805 38 NIE-17 2 0.75 0.04 0.59 0.03 1.08 0.09 0.03 1.08 0.09 0.03 1.08 0.03 1.08 0.03 1.08 0.03 1.08 0.03 0.04 0.03 1.08 0.03 0.04 0.03 0.03 1.08 0.03 0.04 0.03 0.03 1.08 0.03 0.04 0.03 0.03 1.08 0.03 0.04 0.03 0.03 0.03 0.03 0.03 0.04		<u>Ω</u>		Date				(I	(bCi/g)	Qual.		pCi/g)	Qual.	<u>+</u>	pCi/g)	Qual.	‡
98G-1022 138896444 4221998 MPOPORO SBS NITE-15 1 0.84 1 0.05 0.05 0.05 0.05 0.03 2.04 u geg-1022 138896444 4221998 MPOPORO SBS NITE-15 1 0.74 1 0.05 0.06 0.05 1 0.03 1.75 u geg-1022 138896440 4221998 MPOPORO SBS NITE-15 1 0.75 1 0.04 0.45 1 0.03 1.75 u geg-1022 138896440 4221998 MPOPORO SBS NITE-15 0 0.75 1 0.04 0.45 1 0.03 1.75 u geg-1022 138896440 4221998 MPOPORO SBS NITE-15 0 0.75 1 0.04 0.55 1 0.03 1.50 u geg-1022 138896440 4221998 MPOPORO SBS NITE-15 0 0.75 1 0.04 0.55 1 0.03 1.50 u geg-1022 138890440 4221998 MPOPOR SBS NITE-15 0 0.75 1 0.04 0.55 1 0.03 1.50 u geg-1022 138890444 4221998 MPOPOR SBS NITE-15 0 0.07 1 0.04 0.55 1 0.03 1.50 u geg-1022 138890444 4221998 MPOPOR SBS NITE-15 0 0.07 1 0.04 0.59 1 0.03 1.50 u geg-1022 138890444 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.59 1 0.03 1.75 u geg-1020 138890444 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.10 u geg-1020 138890444 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.10 u geg-1020 138890444 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.10 u geg-1020 138890446 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.10 u geg-1020 138890446 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.05 0.05 1 0.04 0.10 u geg-1020 138890446 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.10 u geg-1020 138890446 4221998 MPOPOR SBS NITE-12 0 0.05 1 0.04 0.05 1 0.04 0.05 0.05 0.05 0.05 0.05 0.05 0.05	background								1.00			0.70			2.90		
98C1024 138896444 4221998 MPPOBGS 585 NIE-15 1 076 0.05 0.05 0.05 0.05 1.02 1.92 uj 98C1024 138896440 4221998 MPPOBGS 585 NIE-15 1 0.75 0.04 0.45 0.03 1.78 uj 98C1025 138896440 4221998 MPPOBGS 585 NIE-15 2 0.75 0.04 0.57 0.04 0.53 1.80 uj 98C1025 138896440 4221998 MPPOBGS 585 NIE-15 2 0.75 0.04 0.57 0.05 0.03 1.80 uj 98C1025 138896440 4221998 MPPOBGS 585 NIE-15 2 0.75 0.04 0.57 0.05 0.05 1.80 uj 98C1025 138896440 4221998 MPPOBGS 585 NIE-15 2 0.77 0.04 0.57 0.04 0.57 0.03 0.02 1.80 uj 98C1025 138896444 4221998 MPPOBGS 585 NIE-15 2 0.77 0.04 0.57 0.04 0.54 0.03 1.80 uj 98C1020 138896444 4221998 MPPOBGS 585 NIE-15 2 0.77 0.04 0.57 0.04 0.54 0.03 1.80 uj 98C1020 138896444 4221998 MPPOBGS 585 NIE-15 2 0.77 0.04 0.54 0.05 0.05 1.72 uj 98C1020 138896444 4221998 MPPOBGS 585 NII-15 2 0.05 0.04 0.57 0.04 0.57 0.03 1.72 uj 98C1020 138896444 4221998 MPPOBGS 585 NII-15 2 0.05 0.04 0.74	7 HANCOCK STREET	98G1023	138980440	4/28/1998	MVP0802	sqs	N1 E-15	-	0.84	 	0.05	0.52		0.03	2.04	.z.	0.00
86C1022 138880440 4/228198 MYP0806 558 NNE-17 1 0.74 1 0.04 0.45 1 0.03 1.82 u gelcitoze 138880440 4/228198 MYP0806 558 NNE-17 2 0.77 1 0.04 0.58 1 0.03 1.78 u gelcitoze 138880440 4/228198 MYP0806 558 NNE-17 2 0.77 1 0.04 0.58 1 0.03 1.60 u gelcitoze 138880440 4/228198 MYP0808 558 NNE-17 2 0.77 1 0.04 0.58 1 0.03 1.60 u gelcitoze 138880440 4/228198 MYP0808 558 NNE-17 2 0.77 1 0.04 0.58 1 0.03 1.60 u gelcitoze 138880440 4/228198 MYP0808 558 NNE-17 2 0.07 1 0.04 0.58 1 0.03 1.60 u gelcitoze 138880446 4/228198 MYP0801 558 NNE-17 2 0.03 0.04 0.58 1 0.04 0.59 1 0.04 0.	7 HANCOCK STREET	98G1024	138980440	4/28/1998	MVP0803	sqs	N11 E-18	_	0.87	-	0.05	0.60		0.03	2.03	.2.	0.00
96C1026 1388960440 4/28/1998 MYPO806 shs NBE-17 1 0,44 0,95 1 0,14 0,19 0,19 0,19 0,19 0,10 0,19 0,10 0,19 0,10	7 HANCOCK STREET	98G1024	138980440	4/28/1998	MVP0804	sqs	N11 E-15	- -	0.76	-	0.04	0.45	-	0.03	1.82	. <u>2</u> .	0.00
96C1026 188980440 47281998 MYPO800 Sts NBE-17 2 0.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 6.75 1 0.04 0.75 1 0.04 0.75 1 0.04 0.75 1 0.04 0.75 1 0.04 0.75 1 0.04 0.75 1 0.03 1 0.03 1 0.04 0.75 1 0.04 0.75 0.03 1 0	7 HANCOCK STREET	98G1026	138980440	4/28/1998	MVP0805	sqs	N6 E-15	-	0.74	-	0.04	0.59	-	0.03	1.78	. . .	0.00
98G1026 138980440 47281998 MYPO807 5b N9E-14 2 0.77 0.04 0.55 0.03 180 uj 98G1026 13880440 47281998 MYPO806 5b N7E-15 2 0.78 1 0.04 0.54 1 0.03 180 uj 98G1020 138980440 42281998 MYPO811 5b N1E-14 2 0.76 1 0.05 0.03 1.80 uj 98G1020 138980446 42281998 MYPO811 5b N.1E-1 1 0.04 0.54 1 0.03 1.73 uj 98G1020 138980446 42281998 MYPO811 5b N.1E-1 1 0.05 0.75 0.03 1.71 uj 98G1020 138980446 42281998 MYPO815 5b N.1E-1 1 0.05 0.75 0.03 1.71 uj 98G1021 138980446 42281998 MYPO814 5b N.1E-1 1	7 HANCOCK STREET	98G1026	138980440	4/28/1998	MVP0806	sqs	N9 E-17	2	0.75	-	0.04	0.47	-	0.02	1.54	·5	0.00
96G1026 138960440 47281998 MVPOR06 bbs NVE-19 2 0.78 0.04 0.57 0.03 0.08 u 96G1026 13880444 47281998 MVPOR06 bbs N1E-15 2 0.76 0.04 0.54 0.03 188 u 96G1029 138980444 47281998 MVPOR13 bbs NUE-1-2 1 0.04 0.59 0.03 1.88 u 96G1030 138980446 47281998 MVPOR13 bbs NUE-1-2 1 0.06 0.74 0.04 0.73 0	7 HANCOCK STREET	98G1026	138980440	4/28/1998	MVP0807	sqs	N9 E-14	2	0.70	,	0.04	0.58		0.03	1.60	. <u>D</u> .	0.00
9861030 138980444 4728/1998 MVP0810 sbs N12 E.20 2 0.76 0.05 0.65 0.03 188 0 u 9861030 138980444 4728/1998 MVP0811 sbs N0E-12 1 0.89 0.04 0.59 0.04 0.59 0.03 1.73 u 9861030 138980444 4728/1998 MVP0811 sbs N0E-12 1 0.89 0.04 0.59 0.04 0.73 0.03 1.73 u 9861030 138980444 4728/1998 MVP0814 sbs N1E-9 1 2.74 0.06 1.28 0.04 0.73 0.04 2.74 u 9861030 138980444 4728/1998 MVP0814 sbs N1E-12 1 0.95 0.04 0.73 0.04 0.73 0.04 2.74 u 9861030 138980444 4728/1998 MVP0814 sbs N1E-12 1 0.95 0.04 0.73 0.05 1.78 u 9861030 138980444 4728/1998 MVP0817 sbs N1E-10 2 1.01 0.06 0.94 0.05 0.73 0.03 1.71 u 9861030 138980444 4728/1998 MVP0817 sbs N1E-10 2 1.01 0.06 0.94 0.05 0.73 0.03 1.74 u 9861030 138980444 4728/1998 MVP0817 sbs N1E-10 2 1.01 0.06 0.94 0.05 0.74 0.05 1.73 0.04 0.74 0.05 0.74	7 HANCOCK STREET	98G1026	138980440	4/28/1998	MVP0808	sqs	N7 E-19	7	0.78	_	0.04	0.57	-	0.03	0.82	Έ.	0.74
9861026 139890446 4229/1998 MVP0811 sbs N0E-14 2 0.070 i 0.04 0.54 i 0.03 168 uj 9861020 38980446 4229/1998 MVP0811 sbs N1E-12 1 0.08 i 0.04 0.54 i 0.04 0.54 i 0.03 1.73 uj 9861020 139890446 4229/1998 MVP0811 sbs N1E-12 1 0.08 i 0.04 0.75 i 0.04 0.74 i 0.09 0.04 0.75 i 0.04 0.74 i 0.09 0.04 0.75 i 0.04 0.05 i 0.04 0.75 i 0.04 0.	7 HANCOCK STREET	98G1030	138980440	4/28/1998	MVP0809	sqs	N12 E-20	7	0.76	-	0.05	0.65		0.03	1.80	. <u>2</u> .	0.00
98C1026 1388900446 47/201998 MNPOB11 sb NO E-14 2 0.89 1 0.04 0.59 1 0.03 1.73 u 98C1030 1388900446 47/201998 MNPOB12 sb N1 E-12 1 0.06 0.07 1 0.04 0.73 1 0.04 2.74 u 0 98C103 138890446 47/201998 MNPOB12 sb N1 E-12 1 0.06 0.74 1 0.04 0.73 1 0 0 98C103 138890446 47/201998 MNPOB12 sb N1 E-10 2 0.04 0.75 1 0.04 0.73 1 0 0 0.05 0 <td< td=""><td>7 HANCOCK STREET</td><td>98G1029</td><td>138980446</td><td>4/29/1998</td><td>MVP0810</td><td>sqs</td><td>N3 E-15</td><td>2</td><td>0.70</td><td>-</td><td>0.04</td><td>0.54</td><td>-</td><td>0.03</td><td>1.68</td><td>..</td><td>0.00</td></td<>	7 HANCOCK STREET	98G1029	138980446	4/29/1998	MVP0810	sqs	N3 E-15	2	0.70	-	0.04	0.54	-	0.03	1.68	. .	0.00
98C1030 138890044 4728/1998 MVPOR12 5s N-I E-9 1 274 1 0.08 128 0 274 0 274 0 0 274 0 0 274 0 0 274 0 0 9 9 9 9 9 0	7 HANCOCK STREET	98G1026	138980446	4/29/1998	MVP0811	sqs	N0 E-14	7	0.89	-	0.04	0.59	-	0.03	1.73	. .	0.00
9861030 138980446 4/29/1998 MVP06814 sbs N1E-12 1 108 j 0.05 0.74 j 0.04 2.13 u j 9861030 138980446 4/29/1998 MVP06814 sbs N1E-12 1 0.95 j 0.04 0.75 j 0.03 1.77 u j 9861030 138980446 4/29/1998 MVP06815 sbs N1E-12 1 0.05 0.05 0.75 j 0.03 1.77 u j 9861030 138980446 4/29/1998 MVP0815 sbs N1E-10 1 0.06 0.94 j 0.05 0.94 j 0.04 0.10 u j 9861031 138980305 327/1998 MVP0305 sbs N10E 1 2.25 0.44 j 0.05 0.94 j 0.03 1.44 u j 9861013 138980305 327/1998 MVP0305 sbs N10E 1 2.25 0.44 j 0.04 0.82 j 0.03 1.44 u j 9861013 138980305 327/1998 MVP0305 sbs N10E 1 2.25 0.44 j 0.04 0.61 0.04 0.81 j 0.03 1.99 u j 9861013 138980305 327/1998 MVP0305 sbs N10E 1 3.35 1.53 j 0.06 1.77 j 0.04 0.81 j 0.05 1.99 u j 9861013 138980305 327/1998 MVP0310 sbs N10E 1 3.35 1.53 j 0.06 1.77 j 0.04 0.81 j 0.05 1.81 j 0.05 1.82 j 0.05 1.81 j 0.05 1.82 j 0.05 1.81 j 0.05 1.85 j 0.05 1.82 j 0.05 1.81 j 0.05 1.85 j 0.05 1.82 j 0.05 1.81 j 0.05 1.85 j 0.05 1.82 j 0	7 HANCOCK STREET	98G1030	138980446	4/29/1998	MVP0812	sqs	N-1 E-9	τ-	2.74	-	0.08	1.28		0.04	2.74	·5`	0.00
98671030 138980446 4/29/1998 MVP0814 sbs N10E-12 1 0.95 0.004 0.73 0.003 1.76 u j g9671030 138980446 4/29/1998 MVP0816 sbs N11E-12 2 0.83 0.004 0.73 0.004 0.10 u j g9671030 1389800446 4/29/1998 MVP0816 sbs N17E-10 2 1.01 0.006 0.94 0.006 0.94 0.010 u j g9671030 1389800305 3/27/1998 MVP0306 sbs N10E 1 22.5 0.44 0.005 0.94 0.004 0.10 u j g9671013 138980305 3/27/1998 MVP0307 sbs N10E 1 4 0.03 0.007 1.13 0.005 1.14 u j g9671013 138980305 3/27/1998 MVP0307 sbs N10E 2 3.55 1.32 0.004 0.11 0.006 0.94 0.001 0.19 u j g9671013 138980305 3/27/1998 MVP0307 sbs N10E 2 3.55 1.72 0.007 1.95 0.005 1.99 u j g9671013 138980305 3/27/1998 MVP0310 sbs N10E 2 3.55 1.52 0.006 1.77 0.005 1.99 u j g9671013 138980306 3/30/1998 MVP0310 sbs N10E 2 4.45 1.64 0.006 1.87 0.005 1.82 u j g9671013 138980306 3/30/1998 MVP0313 sbs N10E 2 4.45 1.64 0.006 1.87 0.005 1.32 u j g9671013 138980306 3/30/1998 MVP0313 sbs N10E 2 4.45 1.64 0.006 1.84 0.006 1.84 0.005 1.82 u j g9671013 138980306 3/30/1998 MVP0314 sbs N10E 2 4.45 1.64 0.006 1.84 0.005 1.82 u j g9671013 138980305 3/30/1998 MVP0313 sbs N10E 2 2.27 0.007 1.77 0.005 1.85 u j g9671014 138980305 3/30/1998 MVP0313 sbs N10E 2 2.23 0.007 1.70 0.005 1.87 0.005 1.85 u j g9671014 138980304 3/30/1998 MVP0313 sbs N10E 2 2.55 0.77 0.007 1.70 0.005 1.80 u j g967103 138980304 3/30/1998 MVP0313 sbs N10E 2 1.54 0.007 1.70 0.005 1.87 0.005 1.87 0.005 1.80 u j g967103 138980041 9/3/1998 MVP0314 sbs N10E 2 1.57 0.005 0.78 0.004 0.47 0.005 1.80 u j g967103 138980041 9/3/1998 MVP0312 sbs N10E 2 1.57 0.005 0.78 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78 0.004 0.48 0.004 0.47 0.005 0.78	7 HANCOCK STREET	98G1030	138980446	4/29/1998	MVP0813	sps	N-1 E-12	τ-	1.08	-	0.05	0.74	,	0.04	2.13	. <u>.</u>	0.00
9861020 138980446 4/29/1998 MYPO815 sbs N11E-12 2 0.83 j 0.05 0.75 j 0.03 1.71 uj 9861102 138980446 4/29/1998 MYPO817 sbs N7E-10 1 1.31 j 0.06 0.94 j 0.04 0.10 uj 9861103 138980305 3/27/1998 MYPO817 sbs N10E1 2-2.5 0.44 j 0.06 0.94 j 0.04 0.13 uj 9861103 138980305 3/27/1998 MYPO817 sbs N-10E1 2-2.5 0.44 j 0.05 0.94 j 0.04 0.13 uj 98611013 138980305 3/27/1998 MYPO817 sbs N-10E1 4-4 0.77 j 0.04 0.82 j 0.03 1.44 uj 98611013 138980305 3/27/1998 MYPO810 sbs N-10E 3-3.5 1.53 j 0.04 0.17 j 0.05 1.73 uj 98611013 138980305 3/20/1998 MYPO817 sbs N-10E 7 3-3.5 1.53 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO811 sbs N-10E 7 3-3.5 1.53 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO813 sbs N-10E 7 3-3.5 1.53 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO813 sbs N-10E 7 3-3.5 1.53 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO813 sbs N-10E 7 3-3.5 1.53 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO813 sbs N-10E 7 2-2 1.54 j 0.06 1.77 j 0.05 2.50 uj 98611013 138980306 3/30/1998 MYPO815 sbs N-10E 7 2-2 1.54 j 0.06 1.75 j 0.05 2.50 uj 98611013 138980307 3/31/1998 MYPO815 sbs N-10E 7 2-2 1.54 j 0.06 1.77 j 0.05 2.50 uj 9861103 1389800422 4/16/1998 MYPO812 sbs N-10E 7 2-2 1.50 j 0.07 1.70 j 0.05 2.50 uj 9861109 138980422 4/16/1998 MYPO812 sbs N-10E 7 2-2 1.30 j 0.07 1.70 j 0.05 2.50 uj 9861108 1389800422 4/16/1998 MYPO814 sbs N-10E 7 2-2 1.30 j 0.04 0.44 j 0.03 1.72 uj 9861108 138980042 4/16/1998 MYPO814 sbs N-10E 7 1.30 j 0.05 0.04 0.47 j 0.03 1.72 uj 9861108 138980042 4/16/1998 MYPO814 sbs N-10E 7 1.30 j 0.05 0.04 0.04 0.07 j 0.05 0.04 0.05 0.05 0.05 0.05 0.05 0.05	7 HANCOCK STREET	98G1030	138980446	4/29/1998	MVP0814	sps	N10 E-12	-	0.95	· -	0.04	0.73	-	0.03	1.76	E.	0.00
98G1013 138890446 4729/1998 MVP0817 sbs N7E-10 1 131 0.06 0.96 0.04 0.10 uj uj spgG1030 138890446 4729/1998 MVP0817 sbs N7E-10 2 101 0.06 0.94 0.02 1 0.02 1 0.01 1 0.01	7 HANCOCK STREET	98G1029	138980446	4/29/1998	MVP0815	sps	N11 E-12	7	0.83	-	0.05	0.75	<u></u>	0.03	1.71	E.	0.00
98G10130 138980046 4/29/1998 MVPOR17 sbs N/TE-10 2 1,01 i 0.06 0.94 i 0.04 0.13 u) 98G1013 1389800305 3/27/1998 MVPO306 sbs N·10 E1 4 0.07 i 0.04 0.05 1.32 u) 98G1013 1389800305 3/27/1998 MVPO306 sbs N·10 E1 4 0.07 i 0.04 0.05 1.32 u) 98G1013 138980305 3/27/1998 MVPO308 sbs N·10 E7 3.54 0.61 i 0.04 0.61 i 0.03 1.34 u) 98G1013 138980306 3/20/1998 MVPO319 sb N·10 E7 3.35 1.53 i 0.06 1.77 j 0.02 1.32 u) 98G1013 138980306 3/20/1998 MVPO312 sbs N·1E E7 4.45 1.64 j 0.06 1.77 j 0.02 1.32 <	7 HANCOCK STREET	98G1030	138980446	4/29/1998	MVP0816	sqs	N7 E-10	<u>-</u>	1.31	-	90.0	96.0	-	0.04	0.10		0.50
98G1013 138980305 327/1998 MVP0306 sbs N-10 E1 2.2.5 0.44 0.03 0.37 1 0.02 1.32 uj 98G1013 138980305 327/1998 MVP0306 sbs N-10 E1 4 0.77 j 0.04 0.61 j 0.03 1.99 uj 98G1013 138980305 327/1998 MVP0309 sbs N-10 E7 3-3.5 1.72 j 0.04 0.61 j 0.03 1.99 uj 98G1013 138980306 33071998 MVP0319 sbs N-10 E7 3-3.5 1.53 j 0.06 1.77 j 0.07 1.95 j 0.05 1.99 uj 98G1013 138980306 33071998 MVP0314 sbs N-12 E-1 4-4.5 1.64 j 0.06 1.77 j 0.05 1.32 uj 98G1013 138980306 33071998 MVP0315 sbs N-12 E-1 4-4.5 1.64	7 HANCOCK STREET	98G1030	138980446	4/29/1998	MVP0817	sqs	N7 E-10	2	1.01	į.	90.0	0.94	į	0.04	0.13	uj	0.72
98G1013 138980305 327/1998 MVP0306 sbs N-10E3 4 0.77 j 0.04 0.82 j 0.03 1.44 uj 98G1013 138980305 327/1998 MVP0307 sbs N-10E6 3.54 0.61 j 0.61 j 0.03 1.99 uj 98G1013 138980305 327/1998 MVP0309 sbs N-10E7 3-3.5 1.63 j 0.06 1.13 j 0.03 1.99 uj 98G1013 138980305 330/1998 MVP0319 sbs N-10E7 3-3.5 1.63 j 0.06 1.77 j 0.05 1.03 1.99 uj 98G1013 138980306 330/1998 MVP0314 sbs N-2E-2 4-4.5 1.64 j 0.06 1.77 j 0.05 1.61 uj 98G1013 138980306 330/1998 MVP0314 sbs N-E-3 1.54 j 0.06 1.77 j	8 HANCOCK STREET	98G1013	138980305	3/27/1998	MVP0305	sqs	N-10 E1	2-2.5	0.44	Ļ	0.03	0.37	ŀ	0.02	1.32	Ę	0.00
98G1013 138980305 3127/1998 MVP0307 sb N-10E1 4 1.03 1.005 1.13 1 0.03 1.99 uj 98G1013 138980305 3/27/1998 MVP0308 sb N-10E6 3.54 0.61 1 0.04 0.61 1 0.03 1.99 uj 98G1013 138980305 3/20/1998 MVP0310 sb N-10E7 3-3.5 1.52 0.07 1.95 1 0.03 0.92 uj 98G1013 138980306 3/30/1998 MVP0312 sb N-10E7 4-4.5 1.61 1 0.06 1.77 1 0.05 2.50 uj 98G1013 138980306 3/30/1998 MVP0313 sb N-2E-13 3-3.5 1.28 1 0.06 1.77 1 0.05 2.50 uj 98G1013 138980307 3/30/1998 MVP0314 sb N-1E-1 4-4.5 1.64 1 0.06 1.32 uj	8 HANCOCK STREET	98G1013	138980305	3/27/1998	MVP0306	sqs	N-10 E3	4	0.77	-	0.04	0.82		0.03	1.44	. <u>D</u> ,	0.80
98G1013 138980305 37271998 MVP0308 sbs N-10E6 3.5-4 0.61 0.04 0.61 0.03 0.92 uj 98G1013 138980305 37271998 MVP0319 sbs N-10E7 3-3.5 1.72 j 0.07 1.95 j 0.05 2.50 uj 98G1013 138980306 373071998 MVP0314 sbs N-7E-2 4-4.5 1.64 j 0.06 1.77 j 0.05 2.50 uj 98G1013 138980306 373071998 MVP0314 sbs N-7E-1 4-4.5 1.64 j 0.06 1.77 j 0.05 1.32 uj 98G1013 138980306 373071998 MVP0314 sbs N-2E-13 3-3.5 1.28 j 0.06 1.90 j 0.04 0.01 j 0.05 1.32 uj 98G1013 138980306 373071998 MVP0314 sbs N-1E-1 4-4.5 1.64 j	8 HANCOCK STREET	98G1013	138980305	3/27/1998	MVP0307	sqs	N-10 E1	4	1.03		0.05	1.13		0.03	1.99	. <u>2</u> .	0.00
98G1013 138980306 3/30/1998 MVP0309 sbs N-10E7 3-3.5 1.72 j 0.07 1.95 j 0.05 2.50 uj 98G1013 138980306 3/30/1998 MVP0310 sbs N-10E7 3-3.5 1.53 j 0.06 1.77 j 0.05 1.61 uj 98G1013 138980306 3/30/1998 MVP0312 sbs N-7E-3 4-4.5 1.64 j 0.06 1.77 j 0.05 2.35 uj 98G1013 138980306 3/30/1998 MVP0312 sbs N-7E-13 3-3.5 1.64 j 0.06 1.77 j 0.05 1.35 uj 98G1013 138980306 3/30/1998 MVP0312 sbs N-1E-13 4-4.5 1.67 j 0.06 1.77 j 0.05 1.32 uj 98G1014 138980307 3/31/1998 MVP0315 sbs N-1E-6 4.5-5 2.23 j 0.06	8 HANCOCK STREET	98G1013	138980305	3/27/1998	MVP0308	sqs	N-10 E6	3.5-4	0.61		0.04	0.61		0.03	0.92	. . .	0.80
98G1013 138980306 3/30/1998 MVP0310 sbs N-10E7 3-3.5 1.53 0.06 1.77 0.05 1.61 u 98G1013 138980306 3/30/1998 MVP0311 sbs N-7E-2 44.5 1.61 0.06 1.77 0.05 1.61 u 98G1013 138980306 3/30/1998 MVP0312 sbs N-6E-9 44.5 1.64 j 0.06 1.77 j 0.05 1.35 u 98G1013 138980306 3/30/1998 MVP0314 sbs N-1E-3 4.45 1.64 j 0.06 1.84 j 0.05 1.32 u 98G1013 138980307 3/31/1998 MVP0316 sbs N-1E-9 4.45 1.54 j 0.06 1.84 j 0.05 1.75 u 98G1014 138980422 4/16/1998 MVP0318 sbs N-1E-9 4.5-5 2.27 j 0.06 1.84 j 0.05 1.01	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0309	sqs	N-10 E7	3-3.5	1.72		0.07	1.95	.—	0.05	2.50	.⊇.	0.00
98G1013 138980306 3/30/1998 MVP0311 sbs N-TE-2 44.5 1.61 j 0.06 1.77 j 0.05 2.35 uj 98G1013 138980306 3/30/1998 MVP0312 sbs N-E-9 44.5 1.66 j 0.06 1.83 j 0.05 1.32 uj 98G1013 138980306 3/30/1998 MVP0313 sbs N-1E-13 3-3.5 1.28 j 0.06 1.84 j 0.05 1.32 uj 98G1013 138980307 3/31/1998 MVP0315 sbs N-1E-13 3-3.5 1.28 j 0.06 1.84 j 0.05 1.32 uj 98G1014 138980402 4/1/1998 MVP0318 sbs N-1E-8 4.5-5 2.27 j 0.06 1.75 j 0.05 0.75 uj 98G1019 138980402 4/1/1998 MVP0318 sbs N-1E-8 4.5-5 2.27 j 0.07	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0310	sqs	N-10 E7	3-3.5	1.53		90'0	1.77		0.05	1.61	Ξ.	0.87
98G1013 138980306 3/30/1998 MVP0312 sbs N-6 E-9 4.4.5 1.56 j 0.06 1.83 j 0.05 1.32 uj 98G1013 138980306 3/30/1998 MVP0313 sbs N-4 E-12 4.4.5 1.64 j 0.06 1.84 j 0.04 2.40 uj 98G1013 138980306 3/30/1998 MVP0314 sbs N-2 E-13 3-3.5 1.28 j 0.06 0.90 j 0.04 0.21 uj 98G1013 138980307 3/31/1998 MVP0315 sbs N-1 E-12 4.45 1.67 j 0.06 1.84 j 0.05 0.39 uj 98G1014 138980422 4/16/1998 MVP0316 sbs N-1 E-2 2.27 j 0.05 1.76 j 0.05 0.76 uj 98G1042 4/16/1998 MVP212 sbs N-1 E-2 2.27 j 0.07 1.70 j 0.05	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0311	sps	N-7 E-2	4-4.5	1.61	-	90.0	1.77		0.05	2.35	.⊒.	0.00
98G1013 138980306 3/30/1998 MVPO313 sbs NA-E-12 44.5 1.64 j 0.06 1.46 j 0.04 1.40 j 0.04 2.40 uj 98G1013 138980305 3/30/1998 MVP0314 sbs N-ZE-13 3-3.5 1.28 j 0.06 0.90 j 0.04 0.21 uj 98G1013 138980307 3/31/1998 MVP0316 sbs N-1E9 5 1.31 j 0.06 1.75 j 0.05 0.29 j 0.04 0.21 uj 98G1013 138980307 3/31/1998 MVP0318 sbs N-1E9 5 1.31 j 0.06 1.75 j 0.05 0.75 j 0.05 0.07 0.05 0.05 j 0.04 0.21 uj 98G1014 138980402 4/1/1998 MVP0318 sbs N-1E-8 4.5-5 2.23 j 0.07 1.75 j 0.05 0.0	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0312	sqs	N-6 E-9	4-4.5	1.56	-	90.0	1.83		0.05	1.32	. . .	0.90
98G1013 138980306 3/30/1998 MVP0314 sbs N-2E-13 3-3.5 1.28 j 0.06 0.90 j 0.04 0.21 uj 98G1013 138980307 3/31/1998 MVP0315 sbs N-3E-3 4-4.5 1.67 j 0.06 1.75 j 0.05 2.35 uj 98G1013 138980307 3/31/1998 MVP0315 sbs N-1E9 5 1.31 j 0.06 1.75 j 0.05 0.53 uj 98G1014 138980422 41/1/1998 MVP0314 sbs N-1E-8 4.5-5 2.27 j 0.07 1.67 j 0.05 0.70 uj 98G1019 138980422 41/6/1998 MVP0312 sbs N-1E-8 4.5-5 2.23 j 0.07 1.67 j 0.05 2.55 uj 98G1086 138980911 9/3/1998 MVP2125 sbs N1E-1 1 0.75 j 0.07 1.7	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0313	sqs	N-4 E-12	4-4.5	1.64	-	90.0	1.46	-	0.04	2.40	. <u>D</u> .	0.00
98G1013 138980307 3/31/1998 MVP0315 sbs N-3E-3 4-4.5 1.67 j 0.06 1.84 j 0.05 2.35 uj 98G1013 138980307 3/31/1998 MVP0316 sbs N-1E9 5 1.54 j 0.06 1.75 j 0.05 0.53 uj 98G1014 138980401 4/1/1998 MVP0319 sbs N-1E9 5 1.31 j 0.06 1.75 j 0.05 0.70 uj 98G1019 138980422 4/16/1998 MVP0381 sbs N-8 E-6 4.5-5 2.27 j 0.07 1.85 j 0.05 0.70 uj 98G1086 138980911 9/3/1998 MVP2125 sbs N16 E-2 2.5 0.76 j 0.04 0.47 j 0.05 0.75 uj 98G1086 138980914 9/3/1998 MVP2142 sbs N16 E-7 1.27 j 0.04 0.47 j	8 HANCOCK STREET	98G1013	138980306	3/30/1998	MVP0314	sps	N-2 E-13	3-3.5	1.28	-	90.0	0.90	-	0.04	0.21	. . .	0.73
98G1013 138980307 3/31/1998 MVP0316 sbs N-10E8 4-4.5 1.54 j 0.06 1.75 j 0.05 0.53 uj 98G1014 138980401 4/1/1998 MVP0319 sbs N-1E9 5 1.31 j 0.05 1.67 j 0.05 0.70 uj 98G1019 138980422 4/16/1998 MVP0381 sbs N-8E-6 4.5-5 2.27 j 0.07 1.85 j 0.05 0.70 uj 98G1086 138980911 9/3/1998 MVP2125 sbs NAE-8 4.5-5 2.23 j 0.07 1.70 j 0.05 2.55 uj 98G1086 138980911 9/3/1998 MVP2125 sbs N16E2 1.5 1.27 j 0.04 0.47 j 0.03 1.72 uj 98G1088 138980914 9/3/1998 MVP2142 sbs N16E4 2 1.30 j 0.04 0.47	8 HANCOCK STREET	98G1013	138980307	3/31/1998	MVP0315	sps	N-3 E-3	4.5	1.67	-	90.0	1.84	-	0.05	2.35	<u>.</u>	0.00
98G1014 138980401 4/1/1998 MVP0319 sb N-1E9 5 1.31 j 0.05 1.67 j 0.05 0.70 uj 98G1019 138980422 4/16/1998 MVP0381 sbs N-8 E-6 4.5-5 2.27 j 0.07 1.85 j 0.05 2.60 uj 98G1019 138980422 4/16/1998 MVP0382 sbs N-4 E-8 4.5-5 2.23 j 0.07 1.70 j 0.05 2.56 uj 98G1086 138980911 9/3/1998 MVP2125 sbs N11 E-1 1 0.75 j 0.04 0.47 j 0.05 2.55 uj 98G1086 138980915 9/9/1998 MVP2142 sbs N15 E4 2 1.30 j 0.06 0.78 j 0.07 1.70 j 0.03 1.72 uj 98G1088 138980915 9/9/1998 MVP2142 sbs N-6 E7 3 0.04	8 HANCOCK STREET	98G1013	138980307	3/31/1998	MVP0316	sps	N-10 E8	4-4.5	1.54	-	90.0	1.75		0.05	0.53	· S `	0.79
98G1019 138980422 4/16/1998 MVP0381 sbs N-8 E-6 4.5-5 2.27 j 0.07 1.85 j 0.05 2.60 uj 98G1019 138980422 4/16/1998 MVP0382 sbs N-4 E-8 4.5-5 2.23 j 0.07 1.70 j 0.05 2.55 uj 98G1096 138980911 9/3/1998 MVP2125 sbs N11E-1 1 0.75 j 0.04 0.47 j 0.05 2.55 uj 98G1086 138980915 9/9/1998 MVP2141 sbs N16E2 1.57 j 0.04 0.47 j 0.03 1.72 uj 98G1088 138980915 9/9/1998 MVP2141 sbs N16E2 1.57 j 0.05 0.78 j 0.03 1.72 uj 98G1081 138980924 9/9/1998 MVP2145 sbs N-6E7 3 0.04 0.37 j 0.02 1.50 uj	8 HANCOCK STREET	98G1014	138980401	4/1/1998	MVP0319	sps	N-1 E9	2	1.31	-	0.05	1.67	,	0.05	0.70	. <u>c</u> .	0.89
98G1019 138980422 4/16/1998 MVP0382 sbs N-4 E-8 4.5-5 2.23 j 0.07 1.70 j 0.05 2.55 uj 98G1086 138980911 9/3/1998 MVP2120 sbs N1 E-1 1 0.75 j 0.04 0.47 j 0.03 1.72 uj 98G1086 138980915 9/9/1998 MVP2141 sbs N16 E2 1.5 1.27 j 0.04 0.47 j 0.03 1.72 uj 98G1088 138980915 9/9/1998 MVP2141 sbs N16 E2 1.5 1.27 j 0.04 0.47 j 0.03 1.72 uj 98G1088 138980924 9/9/1998 MVP2144 sbs N-6 E7 3 0.04 0.37 j 0.03 1.72 uj 98G1091 138980924 9/15/1998 MVP2154 sbs N-6 E7 3 0.04 0.37 j 0.04 1.70 uj	8 HANCOCK STREET	98G1019	138980422	4/16/1998	MVP0381	sps	N-8 E-6	4.5-5	2.27		0.07	1.85	-	0.05	2.60	Ξ.	0.00
98G1086 138980911 9/3/1998 MVP2120 sbs N2 E-2 2.5 0.76 j 0.04 0.48 j 0.03 1.65 uj 98G1086 138980911 9/3/1998 MVP2125 sbs N11 E-1 1 0.75 j 0.04 0.47 j 0.03 1.72 uj 98G1088 138980915 9/9/1998 MVP2142 sbs N15 E4 2 1.30 j 0.06 0.78 j 0.03 2.17 uj 98G1091 138980924 9/15/1998 MVP2154 sbs N-6 E7 3 0.48 j 0.06 0.64 j 0.03 0.74 uj 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.06 0.16 j 0.03 1.70 uj 98G1091 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 j	8 HANCOCK STREET	98G1019	138980422	4/16/1998	MVP0382	sps	N-4 E-8	4.5-5	2.23		0.07	1.70	į	0.05	2.55	ij	0.00
STREET 98G1086 138980911 9/3/1998 MVP2125 sbs N11E-1 1 0.75 j 0.04 0.47 j 0.03 1.72 uj STREET 98G1088 138980915 9/9/1998 MVP2142 sbs N15E4 2 1.30 j 0.05 0.78 j 0.03 2.17 uj STREET 98G1091 138980924 9/15/1998 MVP2154 sbs N-6 E7 3 0.48 j 0.04 0.37 j 0.02 1.50 uj STREET 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.06 1.16 j 0.04 1.70 uj STREET 98G1091 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 0.56 j 0.03 1.70 uj STREET 98G1094 138980925 9/16/1998 MVP2166	9 HANCOCK STREET	98G1086	138980911	9/3/1998	MVP2120	sqs	N2 E-2	2.5	0.76		0.04	0.48		0.03	1.65	Ę	0.00
STREET 98G1088 138980915 9/9/1998 MVP2141 sbs N16 E2 1.5 1.27 j 0.05 0.78 j 0.03 2.17 uj STREET 98G1091 138980915 9/9/1998 MVP2142 sbs N15 E4 2 1.30 j 0.06 0.64 j 0.03 0.74 uj STREET 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.04 0.37 j 0.02 1.50 uj STREET 98G1091 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 0.56 j 0.03 1.70 uj STREET 98G1094 138980925 9/16/1998 MVP2166 sbs N-6 E11 3 0.69 j 0.05 j 0.03 1.32 uj	9 HANCOCK STREET	98G1086	138980911	9/3/1998	MVP2125	sqs	N11 E-1	-	0.75	-	0.04	0.47	_	0.03	1.72	.E.	0.00
STREET 98G1088 138980915 9/9/1998 MVP2142 sbs N15 E4 2 1.30 j 0.06 0.64 j 0.03 0.74 uj STREET 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.06 1.16 j 0.04 1.70 uj STREET 98G1091 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 0.56 j 0.03 1.92 uj STREET 98G1094 138980925 9/16/1998 MVP2166 sbs N-4 E11 2 0.59 j 0.05 j 0.03 1.85 uj	9 HANCOCK STREET	98G1088	138980915	9/9/1998	MVP2141	sps	N16 E2	1.5	1.27	-	0.05	0.78		0.03	2.17	. <u></u>	0.00
STREET 98G1091 138980924 9/15/1998 MVP2154 sbs N-6 E7 3 0.48 j 0.04 0.37 j 0.02 1.50 uj STREET 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.06 1.16 j 0.04 1.70 uj STREET 98G1093 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 0.56 j 0.03 1.92 uj STREET 98G1094 138980925 9/16/1998 MVP2160 sbs N-4 E11 2 0.59 j 0.04 0.52 j 0.03 1.85 uj	9 HANCOCK STREET	98G1088	138980915	9/9/1998	MVP2142	sqs	N15 E4	7	1.30	-	90.0	0.64	٠	0.03	0.74	. . .	0.79
STREET 98G1091 138980924 9/15/1998 MVP2155 sbs N-5 E3 1.5 1.43 j 0.06 1.16 j 0.04 1.70 uj STREET 98G1093 138980925 9/16/1998 MVP2156 sbs N-6 E11 3 0.81 j 0.05 0.56 j 0.03 1.92 uj STREET 98G1094 138980925 9/16/1998 MVP2160 sbs N-4 E11 2 0.59 j 0.04 0.52 j 0.03 1.85 uj	9 HANCOCK STREET	98G1091	138980924	9/15/1998	MVP2154	sqs	N-6 E7	က	0.48		0.04	0.37	-	0.02	1.50	. . .	0.00
STREET 98G1093 138980925 9/16/1998 MVP2156 sbs N-6E11 3 0.81 j 0.05 0.56 j 0.03 1.92 uj STREET 98G1094 138980925 9/16/1998 MVP2160 sbs N-4E11 2 0.59 j 0.04 0.52 j 0.03 1.85 uj	9 HANCOCK STREET	98G1091	138980924	9/15/1998	MVP2155	sqs	N-5 E3	1.5	1.43		90.0	1.16	-	0.04	1.70	· 5	0.83
STREET 98G1094 138980925 9/16/1998 MVP2160 sbs N-4 E11 2 0.59 j 0.04 0.52 j 0.03 1.85 uj	9 HANCOCK STREET	98G1093	138980925	9/16/1998	MVP2156	sqs	N-6 E11	က	0.81		0.05	0.56	<u>.</u>	0.03	1.92	Ξ,	0.00
	9 HANCOCK STREET	98G1094	138980925	9/16/1998	MVP2160	sqs	N-4 E11	2	0.59	-	0.04	0.52	ŗ.	0.03	1.85	ij.	0.00

RADIOLOGICAL DATA FOR MAYWOOD VICINITY PROPERTIES CLEAN OVERBURDEN SAMPLES TABLE E-1

		יויקטם כייםיויים כייםייים בייםיים		111 202 120101	- 1	Error Ra-226 Re	Review	Error	2.002-0		<u>5</u>
ET 98G1014 138980309 3/31/1998 198G1014 138980402 4/1/1998 198G1014 138980402 4/1/1998 198G1014 138980403 4/2/1998 198G1014 138980403 4/2/1998 198G1020 138980425 4/20/1998 198G1034 13898051 5/5/1998 198G1034 13898051 5/5/1998 198G1032 138980510 5/5/1998 198G1032 138980510 5/5/1998 198G1023 138980503 6/2/1998 198G1023 138980510 1/8/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1025 138980102 1/9/1998 198G1025 138980444 4/29/1998 198G1025 13	Date		(H)	(pCi/g) Qual.	+	ļ.	Qual.	±	(bCi/g)	Qual.	‡
ET 98G1014 138980309 3/31/1998				1.00		0.70			2.90		
ET 98G1014 138980402 4/1/1998 191 191 191 191 191 191 191 191 191		5 sbs N-3 E15	5 4-4.5	1.56	90.0	1.68	ļ	0.05	2.32	5	0.00
ET 98G1014 138980402 4/1/1998 121 98G1014 138980403 4/2/1998 121 98G1015 138980403 4/2/1998 121 98G1020 138980425 4/20/1998 121 98G1034 138980521 5/12/1998 121 98G1034 138980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 5/5/1998 121 38980510 1/8/1998 121 38980544 4/29/1998 121 3		sbs N4 E6	4	0.81	0.05	0.77	–	0.03	1.78	· =	0.00
ET 98G1014 138980403 4/2/1998 98G1020 138980425 4/20/1998 98G1034 138980521 5/12/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1040 138980608 6/2/1998 98G1023 138980608 6/2/1998 98G1023 138980638 6/2/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980634 4/27/1998 98G1037 138980534 5/19/1998 98G1024 138980101 1/8/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 98G1024 138980444 4/29/1998 1 98G1025 138980444 4/29/1998 1		7 sbs N4 E0	4	0.79 j	0.04	0.90		0.03	0.42	· :=	0.83
ET 98G1015 138980408 4/7/1998 191 98G1020 138980425 4/20/1998 191 98G1034 138980521 5/12/1998 191 98G1034 138980510 5/5/1998 198G1032 138980510 5/5/1998 198G1032 138980510 5/5/1998 198G1032 138980510 5/5/1998 198G1034 138980510 5/5/1998 198G1040 138980510 5/5/1998 198G1023 1389806438 4/27/1998 198G1023 138980101 1/8/1998 198G1023 138980101 1/8/1998 198G1023 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1025 138980444 4/29/1998 198G1025 1389804		3 sbs N2 E6	4	1.26 j	90.0	1.26		0.04	2.20	· . . =	0.00
ET 98G1020 138980425 4/20/1998 ET 98G1034 138980521 5/12/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1034 138980510 5/5/1998 98G1034 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1023 138980638 6/2/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980638 4/27/1998 98G1023 138980101 1/8/1998 98G1024 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 S98-034 138980102 1/9/1998 1 98G1024 138980102 1/9/1998 1 98G1025 138980444 4/29/1998 1		9 sbs N-3 E-10	10 4	1.43 j	0.07	1.09	-	0.04	2.26	· :5	0.00
ET 98G1034 138980521 5/12/1998 ET 98G1032 138980521 5/12/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1034 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1023 138980608 6/2/1998 98G1023 1389806438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980534 5/19/1998 98G1024 138980101 1/8/1998 598-035 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980444 4/29/1998 98G1025 1389804		3 sbs N-10 E2	3-3.5	0.81	0.05	0.54		0.03	2.05	· . .	0.00
98G1032 138980521 5/12/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1034 138980510 5/5/1998 98G1034 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 138980	_	sqs .	≣-5 5	2.55 j	0.08	1.25	-	0.04	2.59	· '5	0.00
98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1040 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1023 138980101 1/8/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 1389804	_	sbs N-1 E-4	4	1.58 j	90.0	1.76		0.05	2.37	. : .	0.00
98G1032 138980510 5/5/1998 98G1032 138980510 5/5/1998 98G1040 138980608 6/2/1998 98G1040 138980608 6/2/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1023 138980101 1/8/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 13898) sbs N16 E0	0 2	. 66.0	0.05	0.67		0.03	1.90	 -=	0.00
98G1032 138980510 5/5/1998 98G1034 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1037 138980101 1/8/1998 98G1037 138980101 1/8/1998 98G1034 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 13898044 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980		l sbs N18 E6	5 1.5-2	0.74 j	0.04	0.62		0.03	1.97	· :=	0.00
98G1034 138980510 5/6/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1037 138980101 1/8/1998 98G1037 138980101 1/8/1998 98G1024 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 13		2 sbs N4 E1		0.79	0.05	0.60	, . ,	0.03	1.94	. <u></u>	0.00
98G1040 138980608 6/2/1998 98G1040 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980101 1/8/1998 98G1037 138980101 1/8/1998 598-035 138980101 1/8/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 13898044 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980	5/6/1998	sbs N2 E2		0.72	0.0	0.49		0.02	1.64	. . =	0.00
98G1023 138980608 6/2/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980534 5/19/1998 98G1037 138980534 5/19/1998 98G1037 138980101 1/8/1998 598-034 138980101 1/8/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998	6/2/1998	sps	7 2.5	0.70 j	0.05	0.46		0.03	1.87	· :=	0.00
98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1023 138980534 5/19/1998 98G1037 138980101 1/8/1998 598-035 138980101 1/8/1998 598-035 138980101 1/8/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	6/2/1998	sps	4 3	0.90 j	0.05	0.64		0.03	1.99	. . .	0.00
98G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1037 138980534 5/19/1998 198G1037 138980101 1/8/1998 198G1035 138980101 1/8/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1024 138980444 4/29/1998 198G1025 138980444 4/2		3 sfs N7 E19	9.0-0.0	2.09 j	0.07	0.55		0.03	2.40	.⊇	0.00
98G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1023 138980438 4/27/1998 198G1037 138980534 5/19/1998 198G1037 138980101 1/8/1998 198G1035 138980101 1/8/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1024 138980102 1/9/1998 198G1025 138980444 4/29/1998 198G1025 138980444 4/2	4/27/1998	7 sfs N8 E10			0.05	0.46	-	0.03	1.94	· :=	0.00
98G1023 138980438 4/27/1998 98G1023 138980438 4/27/1998 98G1037 138980534 5/19/1998 98G1037 138980534 5/19/1998 598-035 138980101 1/8/1998 598-035 138980101 1/8/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598G1024 138980444 4/29/1998 98G1025 13898044 4/29/1998 98G1025 138980444 4/29/1998 98G1025 13	4/27/1998	3 sbs N6 E8	0.5-1.5	1.31 j	90.0	0.56	-	0.03	2.09	.2.	0.00
98G1023 138980438 4/27/1998 98G1037 138980534 5/19/1998 98G1037 138980534 5/19/1998 98G1037 138980101 1/8/1998 598-035 138980101 1/8/1998 598-035 138980101 1/8/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598-034 138980102 1/9/1998 598G1024 13898044 4/29/1998 98G1025 138980444 4/29/1998 98G1025 13	4/27/1998	sts	o	0.96 j	0.05	0.48		0.02	1.86	<u>.</u>	0.00
98G1037 138980534 5/19/1998 98G1037 138980534 5/19/1998 S98-035 138980101 1/8/1998 S98-035 138980101 1/8/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 13898044 4/29/1998 98G1025 13898044 4/29/1998	4/27/1998	sps	3 3.5-4	2.29 j	0.08	0.58		0.03	0.91	.2.	0.97
98G1037 138980534 5/19/1998 S98-035 138980101 1/8/1998 S98-035 138980101 1/8/1998 S98-034 138980102 1/9/1998 S98G1024 138980102 1/9/1998 S9G1025 13898044 4/29/1998 S9G1025 138980444 4/29/1998	5/19/1998	sqs	30 2	0.66 j	0.05	0.55		0.04	2.19	. 5	0.00
S98-035 138980101 1/8/1998 S98-035 138980101 1/8/1998 S98-035 138980101 1/8/1998 S98-034 138980102 1/9/1998 S98-034 13898044 4/29/1998 S98-035 13898044 4/29/1998		sbs N16 E62	52 4	0.82 j	0.05	0.49	<u>.</u>	0.03	2.18		0.00
S98-035 138980101 1/8/1998 S98-035 138980101 1/8/1998 S98-034 138980102 1/9/1998 S961024 138980102 1/9/1998 S961025 13898044 4/29/1998	1/8/1998	sfs N9 E9	0-0.5	0.84	0.05	0.69		0.04	2.25		0.00
S98-035 138980101 1/8/1998 S98-034 138980102 1/9/1998 S96-034 138980102 1/9/1998 S96-034 138980102 1/9/1998 S96-034 13898044 4/29/1998 S96-025 13898044 4/29/1998	1/8/1998	sqs		0.94	0.05	0.49		0.03	2.03	· :5"	0.00
S98-034 138980102 1/9/1998 98G1024 138980102 1/9/1998 98G1025 13898044 4/29/1998	1/8/1998	sqs		0.64	90.0	0.44		0.04	2.25	. <u>.</u>	0.00
S98-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sqs		0.78	0.07	0.65		0.04	2.37	· =	0.00
S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sqs	10 0.5-1	0.90	90.0	99.0		0.04	2.15	.E.	0.00
S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sps		0.76	90.0	0.51		0.03	2.04	. <u>2.</u>	0.00
S98-034 138980102 1/9/1998 S98-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sps	Ü	0.81 j	0.07	0.56	_	0.03	2.06	. <u>S</u> .	0.00
S98-034 138980102 1/9/1998 98G1024 138980444 4/29/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sqs		0.92	90.0	0.53		0.04	2.23	<u>.</u>	0.00
98G1024 138980444 4/29/1998 98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998	1/9/1998	sqs	_	0.65 j	0.05	0.57	_	0.03	1.83	. <u></u>	0.00
98G1024 138980444 4/29/1998 98G1025 138980444 4/29/1998	4/29/1998	sts	_	0.72	0.05	0.69	<u> </u>	0.04	1.52	<u>.</u>	98.0
98G1025 138980444 4/29/1998	4/29/1998	sts	oile NA	0.67 j	0.05	0.50		0.03	1.89	. . .	0.00
98G1025 138980444 4/29/1998 98G1025 13898044 4/29/1998 98G1025 138980444 4/29/1998 98G1025 13898044 4/29/1998 98G1025 1389044 4/29/1998 98G1025 13898044 4/29/1998 98G1025 98G1	. 4/29/1998	sfs North pile	oile NA	0.60 j	0.04	0.48	_	0.03	1.89	. 	0.00
98G1025 138980444 4/29/1998	4/29/1998	sfs North	pile NA	0.94	90'0	0.82		0.05	4.37	_	0.87
98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998 98G1025 138980444 4/29/1998	4/29/1998	sts	oile NA	0.73	90.0	0.72	<u> </u>	90.0	4.84	· -	1.31
98G1025 138980444 4/29/1998 1 98G1025 138980444 4/29/1998 1 98G1025 138980444 4/29/1998 1	4/29/1998	sts	oile NA	0.95	90.0	0.54	<u> </u>	0.03	3.05	. 	1.09
. 98G1025 138980444 4/29/1998 I 98G1025 138980444 4/29/1998 I	4/29/1998	sts	pile NA	0.95 j	0.07	0.72	-	0.07	1.76	<u>.</u>	1.07
98G1025 138980444 4/29/1998	4/29/1998	sts	pile NA	0.84	90.0	0.65	_	0.04	2.87		0.00
	4/29/1998	sts	pile NA	0.79	0.05	0.57	_	0.03	4.22	. <u>2</u> .	0.95
200 BROOKDALE ST. 98G1025 138980444 4/29/1998 MVP0;		sfs South	pile NA	0.88	0.02	0.68		0.04	2.78	ij	1.09

TABLE E-1

RADIOLOGICAL DATA FOR MAYWOOD VICINITY PROPERTIES CLEAN OVERBURDEN SAMPLES

		7 (0)	2	2	The Contract of the Contract o	1		_ :	000		L	000	0	1
Property	Document	# ()	Collection	Sample ID	Collection Sample ID Matrix Coordinates Depth 10-232 Review Effor Ra-220 Review Effor 0-230 Review Effor	II II-232	Zeview Zeview		1 077-E	veview	2	027-0	Yeview	5
,				-										ĺ
	2		4-0		4	(2):04)	-	7		2	7	(c/:C4)	2	7
	2		Date		(m)	(polyg) Kudi.	ČCO.	- 1	TI (pol/g) Khai.	ČCO.		(B)(A)	Can.	١.
background						1.00			0.70			2.90		

NOTES:

sfs - surface soil

sbs - subsurface soil

j - Estimated, qualitatively correct but quantitatively suspect.
uj - Undetected - estimated. The result is below the MDA or less than the associated error.
Gross values are reported. The net result is obtained by subtracting the background concentration for each radionuclide from the gross reported value for that radionuclide. Samples were analyzed at the MISS laboratory.

Property	# 505	Collection	Sample ID	N OVER Matrix	CLEAN OVERBURDEN SAMPLES		Th-232	T.C.	Ra-226	Frror	11-238	Frror	S.
C. C. J.						1	(pCi/g)	‡	(pCi/g)	‡	(pCi/g)	‡	Ratios
4 HANCOCK STREET	138980506	5/4/1998	MVP1100	sqs	N1 E5	_	0.00	0.04	0.00	0.03	0.00	0.00	0.000
4 HANCOCK STREET	138980506	5/4/1998	MVP1101	sqs	N1 E3	_	0.00	0.04	0.20	0.03	0.00	0.00	0.040
4 HANCOCK STREET	138980506	5/4/1998	MVP1102	sps	N1 E4	7	0.00	0.04	0.05	0.03	0.00	0.00	0.010
4 HANCOCK STREET	138980506	5/4/1998	MVP1103	sqs	N1 E2	7	0.00	0.04	0.14	0.03	0.00	0.00	0.028
4 HANCOCK STREET	138980506	5/4/1998	MVP1104	sqs	N-1 E0	-	0.00	0.04	0.00	0.02	0.00	0.00	0.000
	138980506	5/4/1998	MVP1105	sqs	N1 E0	2	0.00	0.04	0.00	0.02	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1106	sqs	N1 E4	က	0.00	0.03	0.00	0.02	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1107	sqs	N1 E0	က	0.00	0.03	0.00	0.02	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1108	sqs	N-3 E0	_	0.00	0.04	0.02	0.03	0.00	0.00	0.004
4 HANCOCK STREET	138980508	5/5/1998	MVP1109	sqs	N-2 E-2	2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1110	sqs	N2 E-4	-	0.00	0.04	0.10	0.03	0.00	0.00	0.020
4 HANCOCK STREET	138980508	5/5/1998	MVP1111	sqs	N2 E-6	-	0.00	0.04	0.18	0.03	0.00	0.00	0.036
4 HANCOCK STREET	138980508	5/5/1998	MVP1112	sqs	N-7 E-11		0.00	0.04	0.00	0.03	0.00	0.49	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1113	sqs	N-5 E-11	7	0.00	0.04	0.21	0.03	0.00	0.00	0.042
4 HANCOCK STREET	138980508	5/5/1998	MVP1114	sqs	N-8 E-11	Υ	0.00	0.05	0.07	0.03	0.00	0.00	0.014
4 HANCOCK STREET	138980508	5/5/1998	MVP1115	sqs	N-5 E-11	2	0.00	0.04	90.0	0.03	0.00	0.00	0.012
4 HANCOCK STREET	138980508	5/5/1998	MVP1116	sqs	N-7 E-3	_	0.00	0.03	0.00	0.02	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1117	sts	N-7 E-4	0.0-0.5	0.00	0.04	0.00	0.02	0.00	0.00	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1118	sqs	N-10 E0	_	0.00	0.05	0.16	0.03	0.00	0.00	0.032
4 HANCOCK STREET	138980508	5/5/1998	MVP1119	sqs	N-10 E-2	2	0.00	0.04	0.27	0.03	0.00	0.00	0.054
4 HANCOCK STREET	138980508	5/5/1998	MVP1120	sqs	N-4 E-16	-	0.00	0.04	0.00	0.03	0.00	0.37	0.000
4 HANCOCK STREET	138980508	5/5/1998	MVP1121	sqs	N-5 E-6	2	0.00	0.04	0.00	0.02	0.00	0.00	0.000
6 HANCOCK STREET	138980423	4/16/1998	MVP0600	sqs	N-7 E-2	2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
6 HANCOCK STREET	138980423	4/16/1998	MVP0601	sqs	N-10 E-3	က	0.00	0.04	0.00	0.03	0.00	0.00	0.000
6 HANCOCK STREET	138980423	4/16/1998	MVP0602	sqs	N-8 E-7	7	0.00	0.04	0.00	0.03	0.00	0.00	0.000
6 HANCOCK STREET	138980426	4/20/1998	MVP0603	sqs	N-2 E-4	2-2.5	0.00	0.04	0.00	0.02	0.00	0.00	0.000
6 HANCOCK STREET	138980426	4/20/1998	MVP0604	sqs	N-2 E-6	2-2.5	0.00	0.04	0.00	0.03	0.00	0.00	0.000
6 HANCOCK STREET	138980426	4/20/1998	MVP0605	sqs	N-10 E-1	က	0.00	0.04	0.00	0.02	0.00	0.00	0.000
6 HANCOCK STREET	138980426		MVP0606	sqs	N0 E-7	3.5	0.44	0.08	1.15	90.0	0.21	0.00	0.322
6 HANCOCK STREET	138980427		MVP0607	sqs	NO E-8	0.5-1	0.35	0.07	0.91	0.05	0.00	0.00	0.252
6 HANCOCK STREET	138980427		MVP0608	sqs	N-2 E-6	2.5-3	0.31	0.07	0.90	0.05	0.00	0.00	0.242
6 HANCOCK STREET	138980427	4/21/1998	MVP0609	sqs	N-6 E-6	2.5-3	0.69	90.0	0.74	0.05	0.00	0.61	0.286
6 HANCOCK STREET	138980505	5/4/1998	MVP0610	sqs	N-12 E6	_	0.00	0.04	0.18	0.03	0.00	0.62	0.036
HANCOCK	138980505	5/4/1998	MVP0611	sqs	N-12 E4	-	0.00	0.04	0.29	0.03	0.00	0.00	0.058
6 HANCOCK STREET	138980505	5/4/1998	MVP0612	sps	N-12 E5	2	0.00	0.04	0.24	0.03	0.00	0.00	0.048

Property	# 000	Collection	Sample ID	Matrix	Matrix Coordinates Depth	Depth	Th-232	Error	Ra-226	Error	U-238	Error	Sum
		Date				(£)	(pCi/g)	‡	(pCi/g)	‡	(bCi/g)	-\+	Ratios
6 HANCOCK STREET	138980505	5/4/1998	MVP0613	sqs	N-12 E3	2	0.17	0.05	0.67	0.04	0.00	0.00	0.168
6 HANCOCK STREET	138980505	5/4/1998	MVP0614	sqs	N-12 E1	_	0.00	0.03	0.00	0.02	0.00	0.00	0.000
6 HANCOCK STREET	138980505	5/4/1998	MVP0615	sqs	N-12 E0	2	0.00	0.03	0.00	0.02	0.00	0.50	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0802	sqs	N1 E-15	1	0.00	0.05	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0803	sqs	N11 E-18	—	0.00	0.05	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0804	sqs	N11 E-15	τ-	0.00	0.04	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0805	sqs	N6 E-15	-	0.00	0.04	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0806	sqs	N9 E-17	7	0.00	0.04	0.00	0.02	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0807	sqs	N9 E-14	2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0808	sqs	N7 E-19	7	0.00	0.04	0.00	0.03	0.00	0.74	0.000
7 HANCOCK STREET	138980440	4/28/1998	MVP0809	sqs	N12 E-20	7	0.00	0.05	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980446	4/29/1998	MVP0810	sqs	N3 E-15	2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980446	4/29/1998	MVP0811	sqs	NO E-14	7	0.00	0.04	0.00	0.03	0.00	0.00	0.000
7 HANCOCK STREET	138980446	4/29/1998	MVP0812	sqs	N-1 E-9	-	1.74	0.08	0.58	0.04	0.00	0.00	0.464
7 HANCOCK STREET	138980446	4/29/1998	MVP0813	sqs	N-1 E-12	-	0.08	0.02	0.04	0.04	0.00	0.00	0.024
7 HANCOCK STREET	138980446	4/29/1998	MVP0814	sps	N10 E-12	_	0.00	0.04	0.03	0.03	0.00	0.00	900.0
7 HANCOCK STREET	138980446	4/29/1998	MVP0815	sqs	N11 E-12	7	0.00	0.05	0.05	0.03	0.00	0.00	0.010
7 HANCOCK STREET	138980446	4/29/1998	MVP0816	sqs	N7 E-10	τ-	0.31	90.0	0.26	0.04	0.00	0.50	0.114
7 HANCOCK STREET	138980446	4/29/1998	MVP0817	sqs	N7 E-10	2	0.01	90.0	0.24	0.04	0.00	0.72	0.050
8 HANCOCK STREET	138980305	3/27/1998	MVP0305	sqs	N-10 E1	2-2.5	0.00	0.03	0.00	0.02	0.00	0.00	0.000
8 HANCOCK STREET	138980305	3/27/1998	MVP0306	sqs	N-10 E3	4	0.00	0.04	0.12	0.03	0.00	0.80	0.024
8 HANCOCK STREET	138980305	3/27/1998	MVP0307	sqs	N-10 E1	4	0.03	0.05	0.43	0.03	0.00	0.00	0.092
8 HANCOCK STREET	138980305	3/27/1998	MVP0308	sqs	N-10 E6	3.5-4	0.00	0.04	0.00	0.03	0.00	0.80	0.000
8 HANCOCK STREET	138980306	3/30/1998	MVP0309	sqs	N-10 E7	3-3.5	0.72	0.07	1.25	0.05	0.00	0.00	0.394
8 HANCOCK STREET	138980306	3/30/1998	MVP0310	sqs	N-10 E7	3-3.5	0.53	0.06	1.07	0.05	0.00	0.87	0.320
8 HANCOCK STREET	138980306	3/30/1998	MVP0311	sqs	N-7 E-2	4-4.5	0.61	90.0	1.07	0.05	0.00	0.00	0.336
8 HANCOCK STREET	138980306	3/30/1998	MVP0312	sqs	N-6 E-9	4-4.5	0.56	90.0	1.13	0.05	0.00	0.90	0.338
8 HANCOCK STREET	138980306	3/30/1998	MVP0313	sqs	N-4 E-12	4-4.5	0.64	90.0	0.76	0.04	0.00	0.00	0.280
8 HANCOCK STREET	138980306	3/30/1998	MVP0314	sqs	N-2 E-13	3-3.5	0.28	90.0	0.20	0.04	0.00	0.73	960.0
8 HANCOCK STREET	138980307	3/31/1998	MVP0315	sqs	N-3 E-3	4-4.5	0.67	90.0	1.14	0.05	0.00	0.00	0.362
8 HANCOCK STREET	138980307	3/31/1998	MVP0316	sqs	N-10 E8	4-4.5	0.54	90.0	1.05	0.05	0.00	0.79	0.318
8 HANCOCK STREET	138980401	4/1/1998	MVP0319	sqs	N-1 E9	2	0.31	0.05	0.97	0.05	0.00	0.89	0.256
8 HANCOCK STREET	138980422	4/16/1998	MVP0381	sqs	N-8 E-6	4.5-5	1.27	0.07	1.15	0.05	0.00	0.00	0.484
8 HANCOCK STREET	138980422	4/16/1998	MVP0382	sqs	N-4 E-8	4.5-5	1.23	0.07	1.00	0.05	0.00	0.00	0.446

Dropothy	# 000	Collocation	Completo		CLEAN OVERBURDEN SAMPLES	AMPLES	14 F		200		200		
Support.	± 000	Collection	Sample ID	Matt	COOLUMINATES	(#)	767-111	<u> </u>	077-PU	2 2	057-0	<u>.</u>	ullo Sulla
		Dale				(11)	(p/l/g)	+	(pc//g)	+	(B)	+	Katios
9 HANCOCK STREET	138980911	9/3/1998	MVP2120	sqs	N2 E-2	2.5	0.00	0.04	0.00	0.03	0.00	0.00	0.000
9 HANCOCK STREET	138980911	9/3/1998	MVP2125	sqs	N11 E-1	_	0.00	0.0	0.00	0.03	0.00	0.00	0.000
9 HANCOCK STREET	138980915	9/9/1998	MVP2141	sqs	N16 E2	1.5	0.27	0.05	0.08	0.03	0.00	0.00	0.070
9 HANCOCK STREET	138980915	9/9/1998	MVP2142	sqs	N15 E4	7	0.30	0.06	0.00	0.03	0.00	0.79	090.0
9 HANCOCK STREET	138980924	9/15/1998	MVP2154	sqs	N-6 E7	က	0.00	0.04	0.00	0.02	0.00	0.00	0.000
9 HANCOCK STREET	138980924	9/15/1998	MVP2155	sqs	N-5 E3	1.5	0.43	90.0	0.46	0.04	0.00	0.83	0.178
9 HANCOCK STREET	138980925	9/16/1998	MVP2156	sqs	N-6 E11	က	0.00	0.05	0.00	0.03	0.00	0.00	0.000
9 HANCOCK STREET	138980925	9/16/1998	MVP2160	sqs	N-4 E11	2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
10 HANCOCK STREET	138980309	3/31/1998	MVP0405	sqs	N-3 E15	4-4.5	0.56	90.0	0.98	0.05	0.00	0.00	0.308
10 HANCOCK STREET	138980402	4/1/1998	MVP0406	sqs	N4 E6	4	0.00	0.05	0.07	0.03	0.00	0.00	0.014
10 HANCOCK STREET	138980402	4/1/1998	MVP0407	sqs	N4 E0	4	0.00	0.04	0.20	0.03	0.00	0.83	0.040
10 HANCOCK STREET	138980403	4/2/1998	MVP0408	sps	N2 E6	4	0.26	0.06	0.56	0.04	0.00	0.00	0.164
10 HANCOCK STREET	138980408	4/7/1998	MVP0409	sqs	N-3 E-10	4	0.43	0.07	0.39	0.04	0.00	0.00	0.164
10 HANCOCK STREET	138980425	4/20/1998	MVP0413	sqs	N-10 E2	3-3.5	0.00	0.05	0.00	0.03	0.00	0.00	0.000
10 HANCOCK STREET	138980521	5/12/1998	MVP0484	sps	N-3.5 E-5	2	1.55	0.08	0.55	0.04	0.00	0.00	0.420
10 HANCOCK STREET	138980521	5/12/1998	MVP0486	sqs	N-1 E-4	4	0.58	0.06	1.06	0.05	0.00	0.00	0.328
6 BRANCA COURT	138980510	5/5/1998	MVP1200	sqs	N16 E0	2	0.00	0.05	0.00	0.03	0.00	0.00	0.000
6 BRANCA COURT	138980510	5/5/1998	MVP1201	sqs	N18 E6	1.5-2	0.00	0.04	0.00	0.03	0.00	0.00	0.000
6 BRANCA COURT	138980510	5/5/1998	MVP1202	sps	N4 E1	1.5	0.00	0.02	0.00	0.03	0.00	0.00	0.000
6 BRANCA COURT	138980510	5/6/1998	MVP1203	sqs	N2 E2	2-2.5	0.00	0.04	0.00	0.02	0.00	0.00	0.000
	138980608	6/2/1998	MVP1245	sps	N0 E-17	2.5	0.00	0.02	0.00	0.03	0.00	0.00	0.000
6 BRANCA COURT	138980608	6/2/1998	MVP1247	sps	N2 E-14	3	0.00	0.05	0.00	0.03	0.00	0.00	0.000
180ROW	138980438	4/27/1998	MVP0706	sts	N7 E19	0.0-0.5	1.09	0.07	0.00	0.03	0.00	0.00	0.218
I80ROW	138980438	4/27/1998	MVP0707	sts	N8 E10	0.0 - 0.5	90.0	0.02	0.00	0.03	0.00	0.00	0.012
I80ROW	138980438	4/27/1998	MVP0708	sqs	N6 E8	0.5-1.5	0.31	90.0	0.00	0.03	0.00	0.00	0.062
I80ROW	138980438	4/27/1998	MVP0709	sts	N6 E10	0.0-0.5	0.00	0.02	0.00	0.02	0.00	0.00	0.000
180ROW	138980438	4/27/1998	MVP0710	sqs	N8 E33	3.5-4	1.29	0.08	0.00	0.03	0.00	0.97	0.258
LODI PARK	138980534	5/19/1998	MVP1602	sqs	N12 E60	2	0.00	0.02	0.00	0.04	0.00	0.00	0.000
	138980534	5/19/1998	MVP1604	sqs	N16 E62	4	0.00	0.02	0.00	0.03	0.00	0.00	0.000
200 BROOKDALE ST.	138980101	1/8/1998	MVP0180	sts	63 6N	0-0.5	0.00	0.05	0.00	0.04	0.00	0.00	0.000
200 BROOKDALE ST.	138980101	1/8/1998	MVP0181	sqs	N6 E9	1.0-2	0.00	0.02	0.00	0.03	0.00	0.00	0.00
200 BROOKDALE ST.	138980101	1/8/1998	MVP0182	sqs	N7 E6	1-1.5	0.00	90.0	0.00	0.04	0.00	0.00	0.000
	138980102	2.	MVP0183	sqs	N2 E2	2.5-3	0.00	0.07	0.00	0.04	0.00	0.00	0.000
BROOKDALE	138980102	1/9/1998	MVP0184	sqs .	N10 E10	0.5-1	0.00	0.06	0.00	0.04	0.00	0.00	0.000
200 BROOKDALE ST.	138980102	1/9/1998	MVP0185	sps	N5 E1	1-1.5	0.00	90.0	0.00	0.03	0.00	0.00	0.000

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Property	COC # Colle	Collection	Sample ID	Matrix	c Coordinates	Depth	Th-232	Error	Ra-226	Error	U-238	Error	Sum
		Date				(ft)	(pCi/g)	+	(pCi/g)	+	(pCi/g)	-\+	Ratios
200 BROOKDALE ST.	138980102	1/9/1998	MVP0186	sqs	N4 E3	0.5-1	0.00	0.07	0.00	0.03	0.00	0.00	0.000
200 BROOKDALE ST.	138980102	1/9/1998	MVP0187	sqs	N12 E4	1.5-2	0.00	0.06	0.00	0.04	0.00	0.00	0.000
200 BROOKDALE ST.	138980102	1/9/1998	MVP0188	sqs	N5 E6	0.5-1	0.00	0.05	0.00	0.03	0.00	0.00	0.000
200 BROOKDALE ST.	138980444	4/29/1998	MVP0268	sts	South pile	¥	0.00	0.05	0.00	0.04	0.00	0.86	0.000
200 BROOKDALE ST.	138980444	4/29/1998	MVP0269	sts	North pile	¥	0.00	0.05	0.00	0.03	0.00	0.00	0.000
200 BROOKDALE ST.	138980444	138980444 4/29/1998	MVP0260	sts	North pile	¥	0.00	0.04	0.00	0.03	0.00	0.00	0.000
200 BROOKDALE ST.	138980444 4/29/	4/29/1998	MVP0261	sts	North pile	ΑĀ	0.00	90.0	0.12	0.05	1.47	0.87	0.053
200 BROOKDALE ST.	138980444	4/29/1998	MVP0262	sts	North pile	Ą	0.00	0.06	0.02	90.0	1.94	1.31	0.043
200 BROOKDALE ST.	138980444	4/29/1998	MVP0263	sts	North pile	¥	0.00	0.06	0.00	0.03	0.15	1.09	0.003
200 BROOKDALE ST.	138980444	4/29/1998	MVP0264	sts	South pile	Ϋ́	0.00	0.07	0.02	0.07	0.00	1.07	0.004
200 BROOKDALE ST.	138980444 4/29	4/29/1998	MVP0265	sfs	South pile	ΑĀ	0.00	0.06	0.00	0.04	0.00	0.00	0.000
200 BROOKDALE ST.	138980444	4/29/1998	MVP0266	sts	South pile	¥	0.00	0.05	0.00	0.03	1.32	0.95	0.026
200 BROOKDALE ST.	138980444 4/29	4/29/1998	MVP0267	sts	South pile	ΑĀ	0.00	0.07	0.00	0.04	0.00	1.09	0.000

NOTES:

sfs - surface soil

sbs - subsurface soil

Samples were analyzed at the MISS laboratory.

Background values: Th-232 1.00 pCi/g, Ra-226 0.70 pCi/g, and U-238 2.90 pCi/g.

Net values are reported. The net result is obtained by subtracting background concentration for each radionuclide from the gross reported value for that radionuclide. If the net result of a radionuclide is negative, then the value for that radionuclide is reported as zero.

APPENDIX F

CHEMICAL DATA FOR CLEAN OVERBURDEN SOIL

TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

				PROPERTIES			
Sample ID	Document	ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
Overburden	Soil from Lo	odi Park Pile st	aged at Lodi I	Park			
MVP1806	9809L578	138980905	9/2/98	Chloromethane	11	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Bromomethane	11	Ũ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Vinyl chloride	11	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Chloroethane	11	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	Methylene chloride	15	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	Acetone	8	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Carbon disulfide	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,1-Dichloroethene	6	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,1-Dichloroethane	6	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,2-Dichloroethene (total)	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Chloroform	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,2-Dichloroethane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	2-Butanone	11	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,1,1-Trichloroethane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Carbon tetrachloride	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Bromodichloromethane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,2-Dichloropropane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	cis-1,3-Dichloropropene	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	trans-1,3-Dichloropropene	6	Ŭ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Trichloroethene	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Dibromochloromethane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,1,2-Trichloroethane	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Benzene	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	Bromoform	6	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	4-methyl-2-pentanone	11	Ū	UG/KG
MVP1806	9809L578	138980905	9/2/98	2-Hexanone	11	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	Tetrachloroethene	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,1,2,2-Tetrachloroethane	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Toluene	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Chlorobenzene	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Ethylbenzene	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Styrene	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Xylene (total)	6	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Vinyl acetate	· 11	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Phenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	bis (2-chloroethyl) ether	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	2-Chlorophenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,3-Dichlorobenzene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,4-Dichlorobenzene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,2-Dichlorobenzene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	2-Methyl phenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	4- Methyl phenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	N-Nitroso-di-n-propylamine	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Hexachloroethane	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Nitrobenzene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Isophorone	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	2-Nitrophenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	2,4-Dimethyl phenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Cabazole	64	J	UG/KG
MVP1806	9809L578	138980905	9/2/98	bis (2-Chloroethoxy) methane	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	2,4-Dichlorophenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	1,2,4-Trichlorobenzene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Naphthalene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	4-Chloroaniline	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	Hexachlorobutadiene	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	4-Chloro-3-methyl phenol	330	U	UG/KG
MVP1806	9809L578	138980905	9/2/98	· ····································		•	COMO

TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

MVP1806					PROPERTIES			
WVP180B	Sample ID	Document I	ID COC#		Analyte	Concentration	-	Unit
NVP1806 8809L578 138980905 97298 2.4.5-Trichlorophenol 840 U UG/RG				Date			Qualifier	
NVP1806 8809L578 138980905 92/98 2.4.5-trischlorophenol 840 U UG/KG NVP1806 8809L578 138980905 92/98 2.4.5-trosaphthene 330 U UG/KG NVP1806 8809L578 138980905 92/98 Acemphthylene 32 J UG/KG NVP1806 9809L578 138980905 92/98 Acemphthylene 32 J UG/KG NVP1806 9809L578 138980905 92/98 Acemphthylene 330 U UG/KG NVP1806 9809L578 138980905 92/98 Acemphthylene 34 UG/KG NVP1806 9809L578 138980905 92/98 Acemphthylene 840 U UG/KG NVP1806 9809L578 138980905 92/98 Achirophenol 840 U UG/KG NVP1806 9809L578 138980905 92/98 Debenofura 43 UG/KG NVP1806 9809L578 138980905 92/98 Debenofura 43 UG/KG NVP1806 9809L578 138980905 92/98 Achirophenol 840 U UG/KG NVP1806 9809L578 138980905 92/98 Achirophenol 40 UG/KG NVP1806 9809L578 138980905 92/98 Achirophenol 840 U UG/KG NVP1806 9809L578	MVP1806	9809L578	138980905	9/2/98	Hexachlorocyclopentadiene	330	U	UG/KG
MVP1806 8809L578 138980905 92/98 Directly-philalate 330 U UG/KG	MVP1806	9809L578	138980905	9/2/98	2,4,6-Trichlorophenol	330	U	UG/KG
MVP1806 8809L578 138980905 972/98 2-Nitroaniline 840 U UG/KG WVP1806 8809L578 138980905 972/98 2-Nitroaniline 330 U UG/KG WVP1805 8809L578 138980905 972/98 3-Nitroaniline 840 U UG/KG WVP1806 9809L578 138980905 972/98 3-Nitroaniline 840 U UG/KG WVP1806 9809L578 138980905 972/98 2-Nitroaniline 840 U UG/KG WVP1806 9809L578 138980905 972/98 Diebzofuan 43 J UG/KG WVP1806 9809L578 138980905 972/98 Diebzofuan 43 J UG/KG WVP1806 9809L578 138980905 972/98 Diebzofuan 43 J UG/KG WVP1806 9809L578 138980905 972/98 Nitroaniline 840 U UG/KG WVP1806 9809L578 138980905 972/98 A-Nitroaniline 330 U UG/KG WVP1806 9809L578 138980905 972/98 A-Nitroaniline 330 U UG/KG WVP1806 9809L578 138980905 972	MVP1806	9809L578	138980905	9/2/98	2,4,5-Trichlorophenol	840	U	UG/KG
MVP1806 9809L578 138980905 92/98 Acceptably A	MVP1806	9809L578	138980905	9/2/98	2-Chloronaphthalene	330	U	UG/KG
MVP1806 8909L578 138980905 9/2/88 Acenapthlylene 32	MVP1806	9809L578	138980905	9/2/98	2-Nitroaniline	840	U	UG/KG
MVP1806 9809L578 1389809059 92/98 2,6-Dinitrotollume 330 U UG/KG MVP1806 9809L578 1389809059 92/98 Acemaphthene 66 J UG/KG MVP1806 9809L578 1389809059 92/98 Acemaphthene 66 J UG/KG MVP1806 9809L578 1389809059 92/98 2,4-Dinitrophenol 840 U UG/KG MVP1806 9809L578 1389809059 92/98 Dibenzofuran 43 J UG/KG MVP1806 9809L578 1389809059 92/98 Dibenzofuran 43 J UG/KG MVP1806 9809L578 1389809059 92/98 2,4-Dinitrophenol 330 U UG/KG MVP1806 9809L578 1389809059 92/98 Acemaphthene 440 U UG/KG MVP1806 9809L578 1389809059 92/98 Hexachlorophene 330 U UG/KG MVP1806 9809L578 1389809059 92/98 Hexachlorophene 440 U UG/KG MVP1806 9809L578 1389809059 92/98 Hexachlorophene 440 U UG/KG MVP1806 9809L578 1389809059 92/98 Phenanthrene 710 UG/KG MVP1806 9809L578 1389809059 92/98 Phenanthrene 990 UG/KG MVP1806 9809L578 1389809059 92/98 Phenanthrene 990 UG/KG MVP1806 9809L578 1389809059 92/98 Phenanthrene 990 UG/KG MVP1806 9809L578 1389809059 92/98 Phenanthrene 330 U UG/KG MVP1806 9809	MVP1806	9809L578	138980905	9/2/98	Dimethylphthalate	330	U	UG/KG
MVP1806 \$809L578 138980905 92/98 A-Nitroantiline \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 2.4-Dinitrophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Nitrophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Nitrophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 Dibenzofuran \$43 U UG/KG MVP1806 \$9809L578 138980905 92/98 Dibenzofuran \$43 U UG/KG MVP1806 \$9809L578 138980905 92/98 Dibenzofuran \$43 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Chinitrophenol \$300 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Chinitrophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Chinitrophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Nitroantiline \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Nitroantiline \$40 U UG/KG MVP1806 \$9809L578 138980905 92/98 A-Bromophenyl-phenylether 330 U UG/KG MVP1806 \$9809L578 138980905 92/98 Penachlorophenol \$40 U UG/KG MVP1806 \$9809L578 138980905 9	MVP1806	9809L578	138980905	9/2/98	Acenaphthylene	32	J	UG/KG
NVP1806 9809L578 138980905 98/98 2.4-Dimitrophenol 840	MVP1806	9809L578	138980905	9/2/98	2,6-Dinitrotoluene	330	U	UG/KG
NVP1806 9809L578 138980905 91/298 4-Nitrophenol 840 U UG/KG	MVP1806	9809L578	138980905	9/2/98	3-Nitroaniline	840	U	UG/KG
MVP1806 9809L578 138980905 91/298 A-Nitrophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Plucrenc 100 J UG/KG MVP1806 9809L578 138980905 91/298 A-Chlorophenyl-phenylether 330 U UG/KG MVP1806 9809L578 138980905 91/298 A-Bromophenyl-phenylether 330 U UG/KG MVP1806 9809L578 138980905 91/298 Hexachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Hexachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Pentachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Dish-butyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Dish-butyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 170 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 170 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 340 UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 58 UG/KG MVP1806 9809L578 138980905	MVP1806	9809L578	138980905	9/2/98	Acenaphthene	66	J	UG/KG
MVP1806 9809L578 138980905 91/298 A-Nitrophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Diteriphiphialate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Plucrenc 100 J UG/KG MVP1806 9809L578 138980905 91/298 A-Chlorophenyl-phenylether 330 U UG/KG MVP1806 9809L578 138980905 91/298 A-Bromophenyl-phenylether 330 U UG/KG MVP1806 9809L578 138980905 91/298 Hexachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Hexachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Pentachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 91/298 Dish-butyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Dish-butyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 1700 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 170 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 170 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 330 U UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 340 UG/KG MVP1806 9809L578 138980905 91/298 Butylbenzyl-phihalate 58 UG/KG MVP1806 9809L578 138980905	MVP1806	9809L578	138980905	9/2/98	2,4-Dinitrophenol	840	U	UG/KG
MVP1806	MVP1806		138980905	9/2/98	4-Nitrophenol	840	U	UG/KG
MVP1806	MVP1806	9809L578	138980905	9/2/98	Dibenzofuran	43	J	UG/KG
MVP1806	MVP1806	9809L578	138980905	9/2/98	2,4-Dinitrotoluene	330	U	UG/KG
MVP1806	MVP1806	9809L578	138980905	9/2/98	Diethylphthalate	330	U	UG/KG
MVP1806 9809L578 138980905 97/98 4-Nitroanilline 840 U UG/KG MVP1806 9809L578 138980905 97/98 4-Dimitro-2-methylphenol 840 U UG/KG MVP1806 9809L578 138980905 97/98 4-Bromophenyl-phenylether 330 U UG/KG MVP1806 9809L578 138980905 97/98 Hexachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97/98 Pentachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97/98 Pentachlorobenzene 710 UG/KG MVP1806 9809L578 138980905 97/98 Phenanthrene 710 UG/KG MVP1806 9809L578 138980905 97/98 Phenanthrene 200 J UG/KG MVP1806 9809L578 138980905 97/98 Phenanthrene 990 UG/KG MVP1806 9809L578 138980905 97/98 Pin-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 97/98 Pyrene 990 UG/KG MVP1806 9809L578 138980905 97/98 Butylbenzylphthalate 17	MVP1806	9809L578	138980905	9/2/98	4-Chlorophenyl-phenylether	330	U	UG/KG
MVP1806 9809L578 138980905 97/98 A;6-Dinitro-2-methylphenol 840 U UG/KG MVP1806 9809L578 138980905 97/98 N-Nitrosodiphenylamine 330 U UG/KG MVP1806 9809L578 138980905 97/98 Hexachtorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97/98 Hexachtorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97/98 Pentachtorophenol 840 U UG/KG MVP1806 9809L578 138980905 97/98 Anthracene 710 UG/KG MVP1806 9809L578 138980905 97/98 Anthracene 200 J UG/KG MVP1806 9809L578 138980905 97/98 Anthracene 200 J UG/KG MVP1806 9809L578 138980905 97/98 Pin-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 97/98 Pin-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 97/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 97/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 97/98 Betto (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97/98 Betto (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97/98 Betto (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97/98 Di-n-cetyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 97/98 Di-n-cetyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 97/98 Di-n-cetyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 97/98 Benzo (a) Intoranthene 360 UG/KG MVP1806 9809L578 138980905 97/98 Benzo (a) Intoranthene 360 UG/KG MVP1806 9809L578 138980905 97/98 Benzo (a) Intoranthene 320 UG/KG MVP1806 9809L578 138980905 97/98 Benzo (a) Intoranthene 320 UG/KG MVP1806 9809L578 138980905 97/98 Benzo (b) Intoranthene 82 UG/KG MVP1806 9809L578 138980905 97/98 Benzo (b) Intoranthene 82	MVP1806	9809L578	138980905	9/2/98	Fluorene	100	J	UG/KG
MVP1806	MVP1806	9809L578	138980905	9/2/98	4-Nitroaniline	840	U	UG/KG
MVP1806 9809L578 138980905 97298 Hexachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 340 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 710 UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 200 J UG/KG MVP1806 9809L578 138980905 97298 Di-h-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 97298 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 97298 Pyrene 960 UG/KG MVP1806 9809L578 138980905 97298 Pyrene 960 UG/KG MVP1806 9809L578 138980905 97298 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 97298 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97298 Chrysene 460 UG/KG MVP1806 9809L578 138980905 97298 Chrysene 460 UG/KG MVP1806 9809L578 138980905 97298 Di-n-octyl phthalate 58 J UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 9	MVP1806	9809L578	138980905	9/2/98	4,6-Dinitro-2-methylphenol	840	U	UG/KG
MVP1806 9809L578 138980905 97298 Hexachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 330 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 340 U UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 710 UG/KG MVP1806 9809L578 138980905 97298 Pentachlorobenzene 200 J UG/KG MVP1806 9809L578 138980905 97298 Di-h-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 97298 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 97298 Pyrene 960 UG/KG MVP1806 9809L578 138980905 97298 Pyrene 960 UG/KG MVP1806 9809L578 138980905 97298 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 97298 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 97298 Chrysene 460 UG/KG MVP1806 9809L578 138980905 97298 Chrysene 460 UG/KG MVP1806 9809L578 138980905 97298 Di-n-octyl phthalate 58 J UG/KG MVP1806 9809L578 138980905 97298 Benzo (a) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 97298 Benzo (b) fluoranthene 320 U UG/KG MVP1806 9809L578 138980905 9			138980905	9/2/98	• •			UG/KG
MVP1806 9809L578 139890905 9/2/98 Hexachtorobenzene 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pentachtorophenol 840 U UG/KG MVP1806 9809L578 138980905 9/2/98 Phenanthrene 710 UG/KG MVP1806 9809L578 138980905 9/2/98 Din-burylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pi-brusthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 Pi-brusthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 Piyrne 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Burylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Burylbenzylphthalate 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 bira-ecylphthalate 380			138980905	9/2/98	• •		U	UG/KG
MVP1806 9809L578 138980905 9/2/98 Pentachlorophenol 840 U UG/KG MVP1806 9809L578 138980905 9/2/98 Anthracene 200 J UG/KG MVP1806 9809L578 138980905 9/2/98 Di-in-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 9/2/98 Di-in-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pjurene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Pjurene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Di-in-cxtyl pthhalate <t< td=""><td></td><td></td><td></td><td></td><td>Hexachlorobenzene</td><td>330</td><td></td><td>UG/KG</td></t<>					Hexachlorobenzene	330		UG/KG
MVP1806 9809L578 138980905 9/2/98 Phenanthrene 710 UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-buryphthalate 1700 U UG/KG MVP1806 9809L578 138980905 9/2/98 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Burylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Chrysene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 Chrysene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-octrly phthalate 58 J UG/KG MVP1806 9809L578				9/2/98	Pentachlorophenol	840	U	UG/KG
MVP1806 9809L578 138980905 9/2/98 Di-n-butylphthalate 1700 U UG/KG MVP1806 9809L578 138980905 9/2/98 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 2,2"-oxybis(1-olropropane) 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/9		9809L578	138980905	9/2/98	Phenanthrene	710		UG/KG
MVP1806 9809L578 138980905 9/2/98 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 2,2°-oxybis(1-cloropropane) 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Boll on third on third on third of the third of th		9809L578	138980905	9/2/98	Anthracene	200	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Fluoranthene 990 UG/KG MVP1806 9809L578 138980905 9/2/98 2,2"-oxybis(1-cloropropane) 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Barzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG	MVP1806	9809L578	138980905	9/2/98	Di-n-butylphthalate	1700	U	UG/KG
MVP1806 9809L578 138980905 9/2/98 Pyrene 960 UG/KG MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 Barzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Chrysene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ettylbexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82		9809L578	138980905	9/2/98	Fluoranthene	990		UG/KG
MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 3,3-Dichlorobenzidine 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 benzo (b) full full full full full full full ful	MVP1806	9809L578	138980905	9/2/98	2,2'-oxybis(1-cloropropane)	330	U	UG/KG
MVP1806 9809L578 138980905 9/2/98 Butylbenzylphthalate 17 J UG/KG MVP1806 9809L578 138980905 9/2/98 3,3°-Dichlorobenzidine 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-octyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 <td< td=""><td>MVP1806</td><td>9809L578</td><td>138980905</td><td>9/2/98</td><td>Pyrene</td><td>960</td><td></td><td>UG/KG</td></td<>	MVP1806	9809L578	138980905	9/2/98	Pyrene	960		UG/KG
MVP1806 9809L578 138980905 9/2/98 Benzo (a) anthracene 440 UG/KG MVP1806 9809L578 138980905 9/2/98 Chrysene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (g,h,i) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Ant	MVP1806	9809L578	138980905	9/2/98		17	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Chrysene 460 UG/KG MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-octyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Indeno (1,2,3-cd) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic <td>MVP1806</td> <td>9809L578</td> <td>138980905</td> <td>9/2/98</td> <td>3,3'-Dichlorobenzidine</td> <td>330</td> <td>U</td> <td>UG/KG</td>	MVP1806	9809L578	138980905	9/2/98	3,3'-Dichlorobenzidine	330	U	UG/KG
MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-octyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48	MVP1806	9809L578	138980905	9/2/98	Benzo (a) anthracene	440		UG/KG
MVP1806 9809L578 138980905 9/2/98 bis (2-ethylhexyl) phthalate 58 J UG/KG MVP1806 9809L578 138980905 9/2/98 Di-n-octyl phthalate 330 U UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48	MVP1806	9809L578	138980905	9/2/98	Chrysene	460		UG/KG
MVP1806 9809L578 138980905 9/2/98 Benzo (b) fluoranthene 320 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Indeno (1,2,3-d) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (g,h) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadminum 0.	MVP1806		138980905	9/2/98	bis (2-ethylhexyl) phthalate	58	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Benzo (k) fluoranthene 360 UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Indeno (1,2,3-cd) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (g,h,i) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG	MVP1806	9809L578	138980905	9/2/98	Di-n-octyl phthalate	330	U	UG/KG
MVP1806 9809L578 138980905 9/2/98 Benzo (a) pyrene 370 UG/KG MVP1806 9809L578 138980905 9/2/98 Indeno (1,2,3-cd) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806	MVP1806	9809L578	138980905	9/2/98	Benzo (b) fluoranthene	320	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Indeno (1,2,3-cd) pyrene 210 J UG/KG MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (g,h,i) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG	MVP1806	9809L578	138980905	9/2/98	Benzo (k) fluoranthene	360		UG/KG
MVP1806 9809L578 138980905 9/2/98 Dibenzo (a,h) anthracene 82 J UG/KG MVP1806 9809L578 138980905 9/2/98 Benzo (g,h,i) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 980	MVP1806	9809L578	138980905	9/2/98	Benzo (a) pyrene	370		UG/KG
MVP1806 9809L578 138980905 9/2/98 Benzo (g,h,i) perylene 230 J UG/KG MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905<	MVP1806	9809L578	138980905	9/2/98	Indeno (1,2,3-cd) pyrene	210	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Aluminum 7720 MG/KG MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98	MVP1806	9809L578	138980905	9/2/98	Dibenzo (a,h) anthracene	82	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Antimony 0.42 UJ MG/KG MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98	MVP1806	9809L578	138980905	9/2/98	Benzo (g,h,i) perylene	230	J	UG/KG
MVP1806 9809L578 138980905 9/2/98 Arsenic 5 MG/KG MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Manganese	MVP1806	9809L578	138980905	9/2/98	Aluminum	7720		MG/KG
MVP1806 9809L578 138980905 9/2/98 Barium 77.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury	MVP1806	9809L578	138980905	9/2/98	Antimony	0.42	UJ	MG/KG
MVP1806 9809L578 138980905 9/2/98 Beryllium 0.48 MG/KG MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98	MVP1806	9809L578	138980905	9/2/98	Arsenic	5		MG/KG
MVP1806 9809L578 138980905 9/2/98 Cadmium 0.26 MG/KG MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/	MVP1806	9809L578	138980905	9/2/98	Barium	77.2		MG/KG
MVP1806 9809L578 138980905 9/2/98 Calcium 4980 MG/KG MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905<	MVP1806	9809L578	138980905	9/2/98	Beryllium	0.48		MG/KG
MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG	MVP1806	9809L578	138980905	9/2/98	Cadmium	0.26		MG/KG
MVP1806 9809L578 138980905 9/2/98 Chromium 23.8 MG/KG MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG	MVP1806	9809L578	138980905	9/2/98	Calcium	4980		MG/KG
MVP1806 9809L578 138980905 9/2/98 Cobalt 5.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Copper 20.9 MG/KG MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG	MVP1806	9809L578	138980905	9/2/98	Chromium	23.8		MG/KG
MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Manganese 428 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG	MVP1806	9809L578	138980905		Cobalt	5.9		MG/KG
MVP1806 9809L578 138980905 9/2/98 Iron 15200 MG/KG MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Manganese 428 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG								MG/KG
MVP1806 9809L578 138980905 9/2/98 Lead 41.2 MG/KG MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Manganese 428 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG								
MVP1806 9809L578 138980905 9/2/98 Magnesium 3790 MG/KG MVP1806 9809L578 138980905 9/2/98 Manganese 428 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG						41.2		
MVP1806 9809L578 138980905 9/2/98 Manganese 428 J MG/KG MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG			138980905		Magnesium			MG/KG
MVP1806 9809L578 138980905 9/2/98 Mercury 0.11 J MG/KG MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG					-		J	
MVP1806 9809L578 138980905 9/2/98 Nickel 11.5 MG/KG					-			
			138980905	9/2/98	•	11.5		MG/KG
	MVP1806	9809L578	138980905	9/2/98	Potassium	726		MG/KG

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TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

Sample iD	Decime 1						
	Document I	D COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
MVP1806	9809L578	138980905	9/2/98	Selenium	0.73		MG/KG
MVP1806	9809L578	138980905	9/2/98	Silver	0.12	U	MG/KG
MVP1806	9809L578	138980905	9/2/98	Sodium	135	_	MG/KG
MVP1806	9809L578	138980905	9/2/98	Thallium	1.4		MG/KG
MVP1806	9809L578	138980905	9/2/98	Vanadium	21.9		MG/KG
MVP1806	9809L578	138980905	9/2/98	Zinc	60.8		MG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1016	190	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1221	380	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1232	190	ÜJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1242	190	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1248	270	J	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1254	190	ŪJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Arochlor-1260	190	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Aldrin	1	R	UG/KG
MVP1806	9809L578	138980905	9/2/98	alpha-BHC	9.6	ÜĴ	UG/KG
MVP1806	9809L578	138980905	9/2/98	beta-BHC	9.6	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	delta-BHC	17	NJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	gamma-BHC (lindane)	19	NJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	alpha-chlordane	20	J	UG/KG
MVP1806	9809L578	138980905	9/2/98	gamma-chlordane	27	Ĵ	UG/KG
MVP1806	9809L578	138980905	9/2/98	4,4'-DDD	19	ŬJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	4,4'-DDE	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	4,4'-DDT	26	J	UG/KG
MVP1806	9809L578	138980905	9/2/98	Dieldrin	19	ŰJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endosulfan I	9.6	ÜJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endosulfan II	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endosulfan sulfate	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endrin	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endrin aldehyde	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Endrin ketone	19	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Heptachlor	9.6	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Heptachlor epoxide	9.6	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Methoxychlor	96	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	Toxaphene	960	UJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	2,4-D	38	ŲJ	UG/KG
MVP1806	9809L578	138980905	9/2/98	2,4,5-T	19	Ü	UG/KG
MVP1806	9809L578	138980905	9/2/98	2,4,5-TP (silvex)	19	U	UG/KG
Overburder	soil from Lo	di Park Pile st	aged at Lodi	Park			
MVP1809	9812L717	138981237	12/17/98	Chloromethane	11	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Bromomethane	11	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Vinyl chloride	11	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Chloroethane	11	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Methylene chloride	8	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Acetone	10	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Carbon disulfide	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,1-Dichloroethene	6	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,1-Dichloroethane	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,2-Dichloroethene (total)	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Chloroform	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,2-Dichloroethane	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Butanone	11	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,1,1-Trichloroethane	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Carbon tetrachloride	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Bromodichloromethane	6	Ų	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,2-Dichloropropane	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	cis-1,3-Dichloropropene	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	trans-1,3-Dichloropropene	6	U	UG/KG

TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

				PROPERTIES			
Sample ID	Document I	D COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
N/D4800	00401.747	138981237	12/17/98	Trichloroethene	6	U	UG/KG
MVP1809	9812L717 9812L717	138981237	12/17/98	Dibromochloromethane	6	Ŭ	UG/KG
MVP1809		138981237	12/17/98	1.1.2-Trichloroethane	6	Ü	UG/KG
MVP1809	9812L717 9812L717	138981237	12/17/98	Benzene	6	Ü	UG/KG
MVP1809		138981237	12/17/98	Bromoform	6	Ü	UG/KG
MVP1809	9812L717		12/17/98		11	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	4-methyl-2-pentanone 2-Hexanone	11	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Tetrachloroethene	6	Ü	UG/KG
MVP1809	9812L717	138981237 138981237	12/17/98	1.1.2.2-Tetrachloroethane	6	Ü	UG/KG
MVP1809	9812L717				6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Toluene	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Chlorobenzene	6	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Ethylbenzene	6	Ü	
MVP1809	9812L717	138981237	12/17/98	Styrene			UG/KG
MVP1809	9812L717	138981237	12/17/98	Xylene (total)	6	U	UG/KG UG/KG
MVP1809	9812L717	138981237	12/17/98	Phenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	bis (2-chloroethyl) ether	380	U	
MVP1809	9812L717	138981237	12/17/98	2-Chlorophenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,3-Dichlorobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,4-Dichlorobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,2-Dichlorobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Methyl phenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	4- Methyl phenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	N-Nitroso-di-n-propylamine	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Hexachloroethane	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Nitrobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Isophorone	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Nitrophenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4-Dimethyl phenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,2'-oxybis(1-chloropropane)	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	bis (2-Chloroethoxy) methane	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4-Dichlorophenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	1,2,4-Trichlorobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Naphthalene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	4-Chloroaniline	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Hexachlorobutadiene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	4-Chloro-3-methyl phenol	380	U .	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Methylnaphthalene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Hexachlorocyclopentadiene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4,6-Trichlorophenol	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4,5-Trichlorophenol	940	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Chloronaphthalene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2-Nitroaniline	940	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dimethylphthalate	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Acenaphthylene	28	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,6-Dinitrotoluene	380	Ū	UG/KG
MVP1809	9812L717	138981237	12/17/98	3-Nitroaniline	940	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Acenaphthene	380	Ŭ	UG/KG
	9812L717	138981237	12/17/98	2,4-Dinitrophenol	940	Ü	UG/KG
MVP1809				4-Nitrophenol	940	Ŭ	UG/KG
MVP1809	9812L717	138981237	12/17/98 12/17/98	Dibenzofuran	380	Ü	UG/KG
MVP1809	9812L717	138981237			380	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4-Dinitrotoluene	380	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Diethylphthalate		Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	4-Chlorophenyl-phenylether	380		UG/KG
MVP1809	9812L717	138981237	12/17/98	Fluorene	33	J	
MVP1809	9812L717	138981237	12/17/98	4-Nitroaniline	940	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	4,6-Dinitro-2-methylphenol	940	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	N-Nitrosodiphenylamine	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	4-Bromophenyl-phenylether	380	U	UG/KG

TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

				PROPERTIES			
Sample ID	Document !	ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
MVP1809	9812L717	138981237	12/17/98	Hexachlorobenzene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Pentachlorophenol	940	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Phenanthrene	280	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Anthracene	45	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Di-n-butylphthalate	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Fluoranthene	240	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Carbazole	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Pyrene	330	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Butylbenzylphthalate	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	3,3'-Dichlorobenzidine	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Benzo (a) anthracene	120	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Chrysene	180	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	bis (2-ethylhexyl) phthalate	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Di-n-octyl phthalate	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Benzo (b) fluoranthene	82	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Benzo (k) fluoranthene	88	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Benzo (a) pyrene	110	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Indeno (1,2,3-cd) pyrene	52	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dibenzo (a,h) anthracene	380	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Benzo (g,h,i) perylene	68	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	Aluminum	8600		MG/KG
MVP1809	9812L717	138981237	12/17/98	Antimony	0.39	UJ	MG/KG
MVP1809	9812L717	138981237	12/17/98	Arsenic	3.3		MG/KG
MVP1809	9812L717	138981237	12/17/98	Barium	48		MG/KG
MVP1809	9812L717	138981237	12/17/98	Beryllium	0.39		MG/KG
MVP1809	9812L717	138981237	12/17/98	Cadmium	0.24		MG/KG
MVP1809	9812L717	138981237	12/17/98	Calcium	4230		MG/KG
MVP1809	9812L717	138981237	12/17/98	Chromium	16.8		MG/KG
MVP1809	9812L717	138981237	12/17/98	Cobalt	6.2		MG/KG
MVP1809	9812L717	138981237	12/17/98	Copper	22.7		MG/KG
MVP1809	9812L717	138981237	12/17/98	Iron	14100		MG/KG
MVP1809	9812L717	138981237	12/17/98	Lead	27.7		MG/KG
MVP1809	9812L717	138981237	12/17/98	Magnesium	3290		MG/KG
MVP1809	9812L717	138981237	12/17/98	Manganese	242		MG/KG
MVP1809	9812L717	138981237	12/17/98	Mercury	0.04		MG/KG
MVP1809	9812L717	138981237	12/17/98	Nickel	12.4		MG/KG
MVP1809	9812L717	138981237	12/17/98	Potassium	501		MG/KG
MVP1809	9812L717	138981237	12/17/98	Selenium	0.4	U	MG/KG
MVP1809	9812L717	138981237	12/17/98	Silver	0.06	Ū	MG/KG
MVP1809	9812L717	138981237	12/17/98	Sodium	148	•	MG/KG
MVP1809	9812L717	138981237	12/17/98	Thallium	0.46		MG/KG
MVP1809	9812L717	138981237	12/17/98	Vanadium	31.6		MG/KG
MVP1809	9812L717	138981237	12/17/98	Zinc	48.5		MG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1016	380	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1221	750	ÚĴ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1232	380	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1242	380	ÜĴ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1248	380	ÜĴ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1254	380	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Arochlor-1260	380	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Aldrin	30	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	alpha-BHC	19	น ว	UG/KG
MVP1809	9812L717	138981237	12/17/98	beta-BHC	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	delta-BHC	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	gamma-BHC (lindane)	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	alpha-chlordane	62	J	UG/KG
MVP1809	9812L717	138981237	12/17/98	gamma-chlordane	58	J	UG/KG
MVP1809		138981237	12/17/98	-			
MAL 1008	9812L717	130301237	12/11/90	4,4'-DDD	38	UJ	UG/KG

TABLE F-1
CHEMICAL DATA FOR CLEAN OVERBURDEN SAMPLES COLLECTED FROM MAYWOOD VICINITY
PROPERTIES

Sample ID	Document	ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
MVP1809	9812L717	138981237	40/47/00	4.4.555			
MVP1809	9812L717		12/17/98	4,4'-DDE	38	UJ	UG/KG
		138981237	12/17/98	4,4'-DDT	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dieldrin	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endosulfan I	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endosulfan II	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endosulfan sulfate	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endrin	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endrin aldehyde	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Endrin ketone	38	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Heptachlor	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Heptachlor epoxide	19	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Methoxychlor	190	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	Toxaphene	1900	UJ	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4-D	38	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4,5-T	19	Ū	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4,5-TP (silvex)	19	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dalapon	190	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dicamba	75	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dichloroprop	190	Ü	UG/KG
MVP1809	9812L717	138981237	12/17/98	2,4-DB	190	U	UG/KG
MVP1809	9812L717	138981237	12/17/98	Dinoseb	19	ΩJ	UG/KG

NOTES:

- U Analyte was analyzed for, but not detected.
- J Estimated value
- UJ Analyte was analyzed for but not detected, but must be estimated due to quality control considerations.
- NJ This is an estimated value. The analyte is presumed to be present although the peaks in the retention time window showed poor comparison and could not be dismissed.
- R Rejected
- I Interference

APPENDIX G

RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL RECEIVED FROM VENDORS

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	nent ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
Fill Material	from Pa	rsippany Constru	ction				
44148	а	na	2/11/98	Chloromethane	nd		UG/KG
44148	а	na	2/11/98	Bromomethane	nd		UG/KG
44148	а	na	2/11/98	Vinyl chloride	nd		UG/KG
44148	а	na	2/11/98	Chloroethane	nd		UG/KG
44148	а	na	2/11/98	Methylene chloride	1.2	b	UG/KG
44148	а	na	2/11/98	Acetone	nđ		UG/KG
44148	а	· na	2/11/98	Carbon disulfide	nd		UG/KG
44148	а	na	2/11/98	1,1-Dichloroethene	nd		UG/KG
44148	а	na	2/11/98	1,1-Dichloroethane	nd		UG/KG
44148	а	na	2/11/98	1,2-Dichloroethene (cis)	nd		UG/KG
44148	а	na	2/11/98	1,2-Dichloroethene (trans)	nd		UG/KG
44148	а	na	2/11/98	Chloroform	nd		UG/KG
44148	а	na	2/11/98	1,2-Dichloroethane	nd		UG/KG
44148	а	na	2/11/98	2-Butanone	nd		UG/KG
44148	а	na	2/11/98	1,1,1-Trichloroethane	nď		UG/KG
44148	а	na	2/11/98	Carbon tetrachloride	nd		UG/KG
44148	а	na	2/11/98	Bromodichloromethane	nd		UG/KG
44148	а	na	2/11/98	1,2-Dichloropropane	nd		UG/KG
44148	а	na	2/11/98	cis-1,3-Dichloropropene	nd		UG/KG
44148	а	na	2/11/98	trans-1,3-Dichloropropene	nd		UG/KG
44148	а	na	2/11/98	Trichloroethene	nd		UG/KG
44148	а	na	2/11/98	Dibromochloromethane	nd		UG/KG
44148	а	na	2/11/98	1,1,2-Trichloroethane	nd		UG/KG
44148	а	na	2/11/98	Benzene	nd		UG/KG
44148	а	na	2/11/98	Bromoform	nd		UG/KG
44148	а	na	2/11/98	4-methyl-2-pentanone	nd		UG/KG
44148	а	na	2/11/98	2-Hexanone	nd-		UG/KG
44148	а	na	2/11/98	Tetrachloroethene	nd		UG/KG
44148	а	na	2/11/98	1,1,2,2-Tetrachloroethane	nd		UG/KG
44148	а	na	2/11/98	Toluene	nd		
44148	а	na	2/11/98	Chlorobenzene	nd		UG/KG UG/KG
44148	а	na	2/11/98	Ethylbenzene	nd		
44148	а	na	2/11/98	Styrene			UG/KG
44148	а	na	2/11/98	Xylene (total)	nd nd		UG/KG
44148	а		2/11/98		nd		UG/KG
44148	а	na	2/11/98	N-Nitrosodimethylamine	nd 		UG/KG
44148	а	na na	2/11/98	Phenol	nd nd		UG/KG
44148	а	na na		bis (2-chloroethyl) ether	nd		UG/KG
	а	na	2/11/98	2-Chlorophenol	nd 		UG/KG
44148 44148	а	na	2/11/98	1,3-Dichlorobenzene	nd d		UG/KG
	a	na	2/11/98	1,4-Dichlorobenzene	nd d		UG/KG
44148 44148	а	na	2/11/98	1,2-Dichlorobenzene	nd - d		UG/KG
44148 44148	а	na	2/11/98	bis (2-chloroisopropyl) ether	nd		UG/KG
44148	a	na	2/11/98	N-Nitroso-di-n-propylamine	nđ		UG/KG
44148	а	na	2/11/98	Hexachloroethane	nd		UG/KG
44148	a	na	2/11/98	Nitrobenzene	nd		UG/KG
44148	a	na	2/11/98	Isophorone	nd		UG/KG
44148		na	2/11/98	2-Nitrophenol	nd		UG/KG
44148	а	na	2/11/98	2,4-Dimethyl phenol	nd		UG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	ent ID COC #	Collection Date	Analyte	Concentration	Review Qualifier	Unit
44148	а	na	2/11/98	bis (2-Chloroethoxy) methane	nd		UG/KG
44148	а	na	2/11/98	2,4-Dichlorophenol	nd		UG/KG
44148	а	na	2/11/98	1,2,4-Trichlorobenzene	nd		UG/KG
44148	а	na	2/11/98	Naphthalene	41		UG/KG
44148	а	na	2/11/98	Hexachlorobutadiene	nd		UG/KG
44148	а	na	2/11/98	4-Chloro-3-methyl phenol	nd		UG/KG
44148	а	na	2/11/98	Hexachlorocyclopentadiene	nd		UG/KG
44148	а	na	2/11/98	2,4,6-Trichlorophenol	nd		UG/KG
44148	а	na	2/11/98	2-Chloronaphthalene	nd		UG/KG
44148	а	na	2/11/98	Dimethylphthalate	nd		UG/KG
44148	а	na	2/11/98	Acenaphthylene	120		UG/KG
44148	а	na	2/11/98	2,6-Dinitrotoluene	nd		UG/KG
44148	а	na	2/11/98	Acenaphthene	150		UG/KG
44148	а	na	2/11/98	2,4-Dinitrophenol	nd		UG/KG
44148	а	na	2/11/98	4-Nitrophenol	nd		UG/KG
44148	а	na	2/11/98	2,4-Dinitrotoluene	nd		UG/KG
44148	а	na	2/11/98	Diethylphthalate	nd		UG/KG
44148	а	na	2/11/98	4-Chlorophenyl-phenylether	nd		UG/KG
44148	а	na	2/11/98	Fluorene	160		UG/KG
44148	а	na	2/11/98	4,6-Dinitro-2-methylphenol	nd		UG/KG
44148	а	na	2/11/98	N-Nitrosodiphenylamine	nd		UG/KG
44148	а	na	2/11/98	4-Bromophenyl-phenylether	nd		UG/KG
44148	a	na	2/11/98	Hexachlorobenzene	nd		
14148	a	na	2/11/98	Pentachlorophenol	nd		UG/KG
44148	а	na	2/11/98	Phenanthrene	1500		UG/KG
14148	а	na	2/11/98	Anthracene	370		UG/KG
14148	а	na	2/11/98				UG/KG
44148	а	na	2/11/98	Di-n-butylphthalate Fluoranthene	nd 2000		UG/KG
14148	а	na	2/11/98	Benzidine	2600		UG/KG
14148	а	na	2/11/98		nd asoo		UG/KG
14148	а	na	2/11/98	Pyrene District annual about a late	2500		UG/KG
14148	а		2/11/98	Butylbenzylphthalate	nd - d		UG/KG
14148	а	na		3,3'-Dichlorobenzidine	nd		UG/KG
14148	а	na	2/11/98	Benzo (a) anthracene	1200		UG/KG
14148	а	na	2/11/98	Chrysene	1300	_	UG/KG
	а	na	2/11/98	bis (2-ethylhexyl) phthalate	140	j	UG/KG
4148	а	na	2/11/98	Di-n-octyl phthalate	nd		UG/KG
4148	а	na	2/11/98	Benzo (b) fluoranthene	1400		UG/KG
4148	а	na	2/11/98	Benzo (k) fluoranthene	560		UG/KG
4148	a	na	2/11/98	Benzo (a) pyrene	1100		UG/KG
l4148	a	na	2/11/98	Indeno (1,2,3-cd) pyrene	680		UG/KG
4148	а	na	2/11/98	Dibenzo (a,h) anthracene	160		UG/KG
4148	a	na	2/11/98	Benzo (g,h,i) perylene	580		UG/KG
4148	a	na	2/11/98	Aluminum	5740		MG/KG
4148	а	na	2/11/98	Antimony	nd		MG/KG
4148	а	na	2/11/98	Arsenic	2.2		MG/KG
4148		na	2/11/98	Barium	56.5		MG/KG
4148	a	na	2/11/98	Beryllium	0.28		MG/KG
4148	a	na	2/11/98	Cadmium	nd		MG/KG
4148	а	na	2/11/98	Calcium	3940		MG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docume	ent ID COC#	Collection Date	Analyte	Concentration Review Qualifie	
44148	а	na	2/11/98	Chromium	14.4	MG/KG
44148	а	na	2/11/98	Cobalt	5.7	MG/KG
44148	а	na	2/11/98	Copper	21.5	MG/KG
44148	а	na	2/11/98	Iron	11000	MG/KG
44148	а	na	2/11/98	Lead	76.5	MG/KG
44148	а	na	2/11/98	Magnesium	3450	MG/KG
1 4148	a	na	2/11/98	Manganese	220	MG/KG
44148	а	na	2/11/98	Mercury	0.18	MG/KG
44148	а	na	2/11/98	Nickel	27	MG/KG
44148	а	na	2/11/98	Potassium	481	MG/KG
14148	а	na	2/11/98	Selenium	nd	MG/KG
14148	а	na	2/11/98	Silver	nd	MG/KG
14148	а	na	2/11/98	Sodium	254	MG/KG
14148	а	na	2/11/98	Thallium	nd	MG/KG
14148	а	na	2/11/98	Vanadium	19.9	MG/KG
14148	а	na	2/11/98	Zinc	80.1	MG/KG
44148	а	na	2/11/98	Arochlor-1016	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1221	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1232	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1242	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1248	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1254	nd	UG/KG
14148	а	na	2/11/98	Arochlor-1260	nd	UG/KG
14148	а	na	2/11/98	Aldrin	5.9	UG/KG
14148	а	na	2/11/98	alpha-BHC	nd	UG/KG
14148	а	na	2/11/98	beta-BHC	nd	UG/KG
14148	а	na	2/11/98	delta-BHC	nd	UG/KG
14148	a	na	2/11/98	gamma-BHC (lindane)	nd	UG/KG
14148	а	na	2/11/98	alpha-chlordane	340	UG/KG
14148	а	na	2/11/98	4,4'-DDD	nd	UG/KG
14148	а	na	2/11/98	4,4'-DDE	5.9	UG/KG
14148	a	na	2/11/98	4,4'-DDT	nd	UG/KG
14148	а	na	2/11/98	Dieldrin	17	UG/KG
14148	а	na	2/11/98	Endosulfan I	nd	UG/KG
14148	а	na	2/11/98	Endosulfan II	nd	UG/KG
14148	а	na	2/11/98	Endosulfan sulfate	nd	UG/KG
4148	а	na	2/11/98	Endrin	nd	UG/KG
14148	а	na	2/11/98	Endrin aldehyde	nd	UG/KG
14148	а	na	2/11/98	Heptachlor	nd	UG/KG
14148	а	na	2/11/98	Heptachlor epoxide	nd	UG/KG
14148	а	na	2/11/98	Toxaphene	nd	UG/KG
	f D					
-III Materiai 60339	b Pars	sippany Constru na	5/12/98	Chloromethane	nd	UG/KG
30339	b	na	5/12/98	Bromomethane	nd	UG/KG
80339	b	na	5/12/98	Vinyl chloride	nd	UG/KG
80339	b	na	5/12/98	Chloroethane	nd	UG/KG
60339	b	na	5/12/98	Methylene chloride	2.6 b	UG/KG
60339	b	na	5/12/98	Acetone	nd	UG/KG

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TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Documer	nt ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
60339	b	na	5/12/98	Carbon disulfide	1	i	UG/KG
60339	b	na	5/12/98	1,1-Dichloroethene	nd	•	UG/KG
60339	b	na	5/12/98	1,1-Dichloroethane	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethene (cis)	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethene (trans)	nd		UG/KG
60339	b	na	5/12/98	Chloroform	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethane	nd		UG/KG
60339	b	na	5/12/98	2-Butanone	nd		UG/KG
60339	b	na	5/12/98	1,1,1-Trichloroethane	nd		UG/KG
60339	b	na	5/12/98	Carbon tetrachloride	nd		UG/KG
60339	b	na	5/12/98	Bromodichloromethane	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloropropane	nd		UG/KG
60339	b	na	5/12/98	cis-1,3-Dichloropropene	nd		UG/KG
60339	b	na	5/12/98	trans-1,3-Dichloropropene	nd		UG/KG
60339	b	na	5/12/98	Trichloroethene	nd		UG/KG
60339	b	na	5/12/98	Dibromochloromethane	nd		UG/KG
60339	b	na	5/12/98	1,1,2-Trichloroethane	nd		UG/KG
60339	b	na	5/12/98	Benzene	0.6	j	UG/KG
	b	na	5/12/98	Bromoform	nd	,	UG/KG
60339 60339	ь	na	5/12/98	4-methyl-2-pentanone	nd		UG/KG
	b	na	5/12/98	2-Hexanone	nd		UG/KG
60339	Ь	na	5/12/98	Tetrachloroethene	nd		UG/KG
60339	ь	na	5/12/98	1,1,2,2-Tetrachloroethane	nd		UG/KG
60339	b	na	5/12/98	Toluene	nd	,	UG/KG
60339	b		5/12/98	Chlorobenzene	nd		UG/KG
60339	b	na	5/12/98	Ethylbenzene	nd		UG/KG
60339	b	na	5/12/98	Styrene	nd		UG/KG
60339	b	na	5/12/98	Xylene (total)	nd		UG/KG
60339	b	na	5/12/98	4-Methy phenol	nd		UG/KG
60339	b	na	5/12/98	Phenol	nd		UG/KG
60339	b	na	5/12/98	bis (2-chloroethyl) ether	nd		UG/KG
60339	b	na	5/12/98	* * * * * * * * * * * * * * * * * * * *	nd		UG/KG
60339	b	na	5/12/98	2-Chlorophenol	nd		UG/KG
60339	b	na		1,3-Dichlorobenzene	nd		UG/KG
60339	b	na	5/12/98	1,4-Dichlorobenzene	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichlorobenzene	nd		UG/KG
60339	ь	na	5/12/98	2-Methyl phenol	nd		UG/KC
60339	b	na	5/12/98	bis (2-chloroisopropyl) ether	nd		UG/K
60339	b	na	5/12/98	N-Nitroso-di-n-propylamine			UG/K
60339	b	na	5/12/98	Hexachloroethane	nd nd		UG/K
60339	b	na	5/12/98	Nitrobenzene	nd		
60339	b	na	5/12/98	Isophorone	nd nd		UG/K
60339	b	na	5/12/98	2-Nitrophenol	nd nd		UG/K0
60339	b	na	5/12/98	2,4-Dimethyl phenol	nd nd		
60339	b	na	5/12/98	bis (2-Chloroethoxy) methane	nd nd		UG/K
60339		na	5/12/98	2,4-Dichlorophenol	nd d		UG/K
60339	b	na	5/12/98	1,2,4-Trichlorobenzene	nd		UG/K
60339	b	na	5/12/98	Naphthalene	28	j	UG/K
60339	b	na	5/12/98	4-Chloroaniline	nd		UG/K
60339	b	na	5/12/98	Hexachlorobutadiene	nd		UG/K

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TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docu	ment ID COC #	Collection Date	Analyte	Concentration	Review Qualifier	Unit
60339	b	na	5/12/98	4-Chloro-3-methyl phenol	nd		UG/KG
60339	b	na	5/12/98	2-Methylnaphthalene	14	j	UG/KG
60339	b	na	5/12/98	Hexachlorocyclopentadiene	nd	,	UG/KG
60339	b	na	5/12/98	2,4,6-Trichlorophenol	nd		UG/KG
60339	b	na	5/12/98	2,4,5-Trichlorophenol	nd		UG/KG
60339	b	na	5/12/98	2-Chloronaphthalene	nd		UG/KG
60339	b	na	5/12/98	2-Nitroaniline	nd		UG/KG
60339	b	na	5/12/98	Dimethylphthalate	nd		UG/KG
60339	b	na	5/12/98	Acenaphthylene	71		UG/KG
60339	b	na	5/12/98	2,6-Dinitrotoluene	nd	j	UG/KG
60339	b	na	5/12/98	3-Nitroaniline	nd		
60339	b	na	5/12/98	Acenaphthene	37	;	UG/KG UG/KG
60339	b	na	5/12/98	2,4-Dinitrophenol	nd	j	
60339	b	na	5/12/98	4-Nitrophenol	nd		UG/KG UG/KG
60339	b	na	5/12/98	Dibenzofuran	22	:	
60339	b	na	5/12/98	2,4-Dinitrotoluene	nd	j	UG/KG
60339	b	na	5/12/98	Diethylphthalate	nd		UG/KG
60339	b	na	5/12/98	4-Chlorophenyl-phenylether	nd		UG/KG
60339	b	na	5/12/98	Fluorene	51		UG/KG
60339	b	na	5/12/98	4-Nitroaniline	nd	j	UG/KG
60339	b	na	5/12/98	4,6-Dinitro-2-methylphenol	nd		UG/KG
60339	b	na	5/12/98	N-Nitrosodiphenylamine	nd		UG/KG
60339	b	na	5/12/98	4-Bromophenyl-phenylether	nd		UG/KG
60339	b	na	5/12/98	Hexachlorobenzene			UG/KG
60339	b	na	5/12/98	Pentachlorophenol	nd		UG/KG
60339	b	na	5/12/98	Phenanthrene	nd 420		UG/KG
60339	b	na	5/12/98	Anthracene	420	j	UG/KG
60339	b	na	5/12/98		120	j	UG/KG
60339	b	na	5/12/98	Di-n-butylphthalate Fluoranthene	nd 750		UG/KG
60339	b	na	5/12/98		750	J	UG/KG
60339	b	na	5/12/98	Pyrene	790		UG/KG
30 33 9	b	na	5/12/98	Butylbenzylphthalate	nd		UG/KG
60339	b	na	5/12/98	3,3'-Dichlorobenzidine	nd		UG/KG
50339	b	na	5/12/98	Benzo (a) anthracene	420		UG/KG
60339	b	na	5/12/98	Chrysene	410	j	UG/KG
60339	b			bis (2-ethylhexyl) phthalate	nđ		UG/KG
60339	b	na	5/12/98	Di-n-octyl phthalate	nd		UG/KG
60339	b	na	5/12/98	Benzo (b) fluoranthene	580		UG/KG
80 33 9	b	na	5/12/98	Benzo (k) fluoranthene	250		UG/KG
60339	b	na	5/12/98	Benzo (a) pyrene	470		UG/KG
60339 60339	b	na	5/12/98	Indeno (1,2,3-cd) pyrene	280		UG/KG
60339	b	na	5/12/98	Dibenzo (a,h) anthracene	62		UG/KG
60339	b	na	5/12/98	Benzo (g,h,i) perylene	310	j	UG/KG
60339	b	na	5/12/98	Carbazole	47	j	UG/KG
60339 60339	b	na	5/12/98	Aluminum	5410		MG/KG
	b	na	5/12/98	Antimony	nd		MG/KG
0339	b	na	5/12/98	Arsenic	1.7		MG/KG
0339	b	na	5/12/98	Barium	41		MG/KG
0339	ь	na	5/12/98	Beryllium	0.28		MG/KG
0339	-	na	5/12/98	Cadmium	nd		MG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	ent ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
60339	b	na	5/12/98	Carbon disulfide	1	j	UG/KG
60339	b	na	5/12/98	1,1-Dichloroethene	nd		UG/KG
60339	b	na	5/12/98	1,1-Dichloroethane	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethene (cis)	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethene (trans)	nd		UG/KG
60339	b	na	5/12/98	Chloroform	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloroethane	nd		UG/KG
60339	b	na	5/12/98	2-Butanone	nd		UG/KG
60339	b	na	5/12/98	1,1,1-Trichloroethane	nd		UG/KG
60339	b	na	5/12/98	Carbon tetrachloride	nd		UG/KG
60339	b	na	5/12/98	Bromodichloromethane	nd		UG/KG
60339	b	na	5/12/98	1,2-Dichloropropane	nd		UG/KG
60339	b	na	5/12/98	cis-1,3-Dichloropropene	nd		UG/KG
60339	b	na	5/12/98	trans-1,3-Dichloropropene	nd		UG/KG
60339	b	na	5/12/98	Trichloroethene	nd		UG/KG
60339	ь	na	5/12/98	Dibromochloromethane	nd		UG/KG
60339	b	na	5/12/98	1,1,2-Trichloroethane	nd		UG/KG
60339	b	na	5/12/98	Benzene	0.6	j	UG/KG
60339	b	na	5/12/98	Bromoform	nd	•	UG/KG
60339	b	na	5/12/98	4-methyl-2-pentanone	nd		UG/KG
60339	b	na	5/12/98	2-Hexanone	nd		UG/KG
60339	b	na	5/12/98	Tetrachloroethene	nď		UG/KG
60339	b	na	5/12/98	1,1,2,2-Tetrachloroethane	nd		UG/KG
60339	b	na	5/12/98	Toluene	nd		UG/KG
60339	b	na	5/12/98	Chlorobenzene	nd		UG/KG
60339	b	na	5/12/98	Ethylbenzene	nd		UG/KG
60339	b	na	5/12/98	Styrene	nd		UG/KG
60339	b	na	5/12/98	Xylene (total)	nd		UG/KG
	b	na	5/12/98	4-Methy phenol	nd		UG/KG
60339 60339	b		5/12/98	Phenol	nd		UG/KG
	b	na	5/12/98	bis (2-chloroethyl) ether	nd		UG/KG
60339	b	na	5/12/98	2-Chlorophenol	nd		UG/KG
60339	b	na	5/12/98	1,3-Dichlorobenzene	nd		UG/KG
60339	b	na	5/12/98	1,4-Dichlorobenzene	nd		UG/KG
60339	ь	na	5/12/98	1,2-Dichlorobenzene	nd		UG/KG
60339	b	na	5/12/98		nd		UG/KG
60339	b	na		2-Methyl phenol	nd		UG/KG
60339	b	na	5/12/98	bis (2-chloroisopropyl) ether	nd		UG/KG
60339	b	na	5/12/98	N-Nitroso-di-n-propylamine	nd		UG/KG
60339	b	na	5/12/98	Hexachloroethane			UG/KG
60339	b	na	5/12/98	Nitrobenzene	nd		UG/KG
60339	b	na	5/12/98	Isophorone	nd nd		UG/KG
60339	b	na	5/12/98	2-Nitrophenol	nd nd		UG/KG UG/KG
60339	b	na	5/12/98	2,4-Dimethyl phenol	nd nd		UG/KG
60339	b	na	5/12/98	bis (2-Chloroethoxy) methane	nd		UG/KG
60339	b	na	5/12/98	2,4-Dichlorophenol	nd nd		
60339	b	na	5/12/98	1,2,4-Trichlorobenzene	nd 29	:	UG/KG
60339	b	na	5/12/98	Naphthalene	28	j	UG/KG
60339	ь	na	5/12/98	4-Chloroaniline	nd		UG/KG
60339	U	na	5/12/98	Hexachlorobutadiene	nd		UG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Doc	ument ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
60339	b	na	5/12/98	A Ciblere 2 and 1 1			
60339	b	na	5/12/98	4-Chloro-3-methyl phenol 2-Methylnaphthalene	nd		UG/KG
60339	b	na	5/12/98	•	14	j	UG/KG
60339	b	na	5/12/98	Hexachlorocyclopentadiene 2,4,6-Trichlorophenol	nd		UG/KG
60339	b	na	5/12/98		nd		UG/KG
60339	b	na	5/12/98	2,4,5-Trichlorophenol	nd		UG/KG
60339	b	na	5/12/98	2-Chloronaphthalene 2-Nitroaniline	nd		UG/KG
60339	b	na	5/12/98		nd		UG/KG
60339	b	na	5/12/98	Dimethylphthalate	nd	_	UG/KG
60339	b	na	5/12/98	Acenaphthylene	71	j	UG/KG
60339	b	na	5/12/98	2,6-Dinitrotoluene	nd		UG/KG
60339	b	na	5/12/98	3-Nitroaniline	nd		UG/KG
60339	b	na	5/12/98	Acenaphthene	37	j	UG/KG
60339	b	na	5/12/98	2,4-Dinitrophenol	nd		UG/KG
60339	b		5/12/98	4-Nitrophenol	nd		UG/KG
60339	b	na		Dibenzofuran	22	j	UG/KG
60339	b	na	5/12/98 5/12/98	2,4-Dinitrotoluene	nd		UG/KG
60339	b	na		Diethylphthalate	nd		UG/KG
60339	b	na	5/12/98	4-Chlorophenyl-phenylether	nd		UG/KG
60339	b	na	5/12/98	Fluorene	51	j	UG/KG
60339	b	na	5/12/98	4-Nitroaniline	nd		UG/KG
60339	b	na	5/12/98	4,6-Dinitro-2-methylphenol	nd		UG/KG
60339	b	na	5/12/98	N-Nitrosodiphenylamine	nd		UG/KG
60339	b	na	5/12/98	4-Bromophenyl-phenylether	nd		UG/KG
60339	b	na	5/12/98	Hexachlorobenzene	nd		UG/KG
60339	b	na	5/12/98	Pentachlorophenol	nd		UG/KG
60339	b	na	5/12/98	Phenanthrene	420	j	UG/KG
60339	b	na	5/12/98	Anthracene	120	j	UG/KG
60339	b	na	5/12/98	Di-n-butylphthalate	nd		UG/KG
	b	na	5/12/98	Fluoranthene	750	j	UG/KG
60339	b	na	5/12/98	Ругепе	790		UG/KG
60339	b	na	5/12/98	Butylbenzylphthalate	nd		UG/KG
60339	b	na	5/12/98	3,3'-Dichlorobenzidine	nd		UG/KG
60339	b	na	5/12/98	Benzo (a) anthracene	420		UG/KG
60339	b	na	5/12/98	Chrysene	410	j	UG/KG
60339	ь	na	5/12/98	bis (2-ethylhexyl) phthalate	n d		UG/KG
60339	b	na	5/12/98	Di-n-octyl phthalate	nd		UG/KG
60339	b	na	5/12/98	Benzo (b) fluoranthene	580		UG/KG
60339	b	na	5/12/98	Benzo (k) fluoranthene	250		UG/KG
60339	b	na	5/12/98	Benzo (a) pyrene	470		UG/KG
60339	b	na	5/12/98	Indeno (1,2,3-cd) pyrene	280		UG/KG
60339	b	na	5/12/98	Dibenzo (a,h) anthracene	62		UG/KG
60339	b	na	5/12/98	Benzo (g,h,i) perylene	310	j	UG/KG
60339	ь	na	5/12/98	Carbazole	47	j	UG/KG
60339	b	na	5/12/98	Aluminum	5410		MG/KG
60339	b	na	5/12/98	Antimony	nd		MG/KG
60339	b	na	5/12/98	Arsenic	1.7		MG/KG
60339	_	na	5/12/98	Barium	41		MG/KG
60339	b	na	5/12/98	Beryllium	0.28		MG/KG
60339	ь	na	5/12/98	Cadmium	nd		MG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	nent ID COC#	Collection Date	Analyte	Concentration Review Qualifier	Unit
60339	b	na	5/12/98	Calcium	2440	MG/KG
60339	b	na	5/12/98	Chromium	9.1	MG/KG
60339	b	na	5/12/98	Cobalt	3.7	MG/KG
50339	b	na	5/12/98	Соррег	14.2	MG/KG
30339	b	na	5/12/98	Iron	8400	MG/KG
50339	b	na	5/12/98	Lead	32.9	MG/KG
60339	р	na	5/12/98	Magnesium	1790	MG/KG
50339	b	na	5/12/98	Manganese	197	MG/KG
50339	b	na	5/12/98	Mercury	0.05	MG/KG
50339	b	na	5/12/98	Nickel	7.6	MG/KG
60339	b	na	5/12/98	Potassium	352	MG/KG
60339	b	na	5/12/98	Selenium	nd	MG/KG
60339	b	na	5/12/98	Silver	nd	MG/KG
60339	b	na	5/12/98	Sodium	263	MG/KG
60339	b	na	5/12/98	Thallium	nd	MG/KG
60339	p .	na	5/12/98	Vanadium	12.5	MG/KG
60339	b	na	5/12/98	Zinc	37.6	MG/KG
60339	b	na	5/12/98	Arochlor-1016	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1221	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1232	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1242	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1248	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1254	nd	UG/KG
60339	b	na	5/12/98	Arochlor-1260	nd	UG/KG
60339	b	na	5/12/98	Aldrin	nd	UG/KG
80339	b	na	5/12/98	alpha-BHC	nd	UG/KG
60339	b	na	5/12/98	beta-BHC	nd	UG/KG
60339	b	na	5/12/98	delta-BHC	nd	UG/KG
60339	b	na	5/12/98	gamma-BHC (lindane)	nd	UG/KG
0339	b	na	5/12/98	alpha-chlordane	nd	UG/KG
0339	b	na	5/12/98	4,4'-DDD	5.3	UG/KG
0339	b	na	5/12/98	4,4'-DDE	nd	UG/KG
0339	b	na	5/12/98	4,4'-DDT	7.3	
0339	b	na	5/12/98	Dieldrin	nd	UG/KG UG/KG
0339	b	na	5/12/98	Endosulfan I		
0339	ь	na	5/12/98	Endosulfan II	nd nd	UG/KG
60339	ь	na	5/12/98	Endosulfan sulfate	nd nd	UG/KG
0339	b	na	5/12/98	Endosuman sumate Endrin	nd '	UG/KG
0339	b	na	5/12/98	Endrin aldehyde		UG/KG
0339	b	na	5/12/98	Endrin aldenyde Endrin ketone	nd ad	UG/KG
0339	b	na	5/12/98		nd	UG/KG
0339	b	na	5/12/98	Heptachlor annuida	nd nd	UG/KG
0339	b	na	5/12/98 5/12/98	Heptachlor epoxide	nd nd	UG/KG
6033 9	b	na	5/12/98	Methoxychlor	nd nd	UG/KG
	from DA		Ji 12130	Toxaphene	nd	UG/KG
·III materia: /IVP1800	c RA	CE Excavation na	6/10/98	Chloromethane	nd	110%
//VP1800	С		6/10/98		nd nd	UG/KG
IVP1800	c	na na		Bromomethane	nd nd	UG/KG
IVI V F 10UU		na	6/10/98	Vinyl chloride	nd	UG/K

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	ent ID COC #	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1800	С	na	6/10/98	Chloroethane	nd	UG/KG
MVP1800	С	na	6/10/98	Methylene chloride	nd	UG/KG
MVP1800	С	na	6/10/98	Acetone	nd	UG/KG
MVP1800	С	na	6/10/98	Carbon disulfide	nd	UG/KG
MVP1800	С	na	6/10/98	1,1-Dichloroethene	nd	UG/KG
MVP1800	С	na	6/10/98	1,1-Dichloroethane	nd	UG/KG
MVP1800	С	na	6/10/98	1,2-Dichloroethene (cis)	nd	UG/KG
MVP1800	С	na	6/10/98	1,2-Dichloroethene (trans)	nd	UG/KG
MVP1800	С	na	6/10/98	Chloroform	nd	UG/KG
MVP1800	С	na	6/10/98	1,2-Dichloroethane	nd	UG/KG
MVP1800	С	na	6/10/98	2-Butanone	nd	UG/KG
MVP1800	С	na	6/10/98	1,1,1-Trichloroethane	nd	UG/KG
MVP1800	С	na	6/10/98	Carbon tetrachloride	nd	UG/KG
MVP1800	С	na	6/10/98	Bromodichloromethane	nd	UG/KG
MVP1800	c	na	6/10/98	1,2-Dichloropropane	nd	UG/KG
MVP1800	С	na	6/10/98	cis-1,3-Dichloropropene	nd	UG/KG
MVP1800	С	na	6/10/98	trans-1,3-Dichloropropene	nd	UG/KG
MVP1800	С	na	6/10/98	Trichloroethene	nd	UG/KG
MVP1800	С	na	6/10/98	Dibromochloromethane	nd	UG/KG
MVP1800	с	na	6/10/98	1,1,2-Trichloroethane	nd ·	UG/KG
MVP1800	С	na	6/10/98	Benzene	nd	UG/KG
MVP1800	С	na	6/10/98	Bromoform	nd	UG/KG
MVP1800	С	na	6/10/98	4-methyl-2-pentanone	nd	UG/KG
MVP1800	С	na	6/10/98	2-Hexanone	nd	UG/KG
MVP1800	С	na	6/10/98	Tetrachloroethene	nd	UG/KG
MVP1800	с	na	6/10/98	1,1,2,2-Tetrachloroethane	nd	UG/KG
MVP1800	С	na	6/10/98	Toluene	nd	UG/KG
MVP1800	С	na	6/10/98	Chlorobenzene	nd	UG/KG
MVP1800	С	na	6/10/98	Ethylbenzene	nd	UG/KG
MVP1800	С	na	6/10/98	Styrene	nd	UG/KG
MVP 1800	С	na	6/10/98	Xylene (total)	nd	UG/KG
MVP1800	С	na	6/10/98	Vinyl acetate	nd	UG/KG
MVP1800	С		6/10/98	2-chloroethylvinylether	nd	UG/KG
MVP1800	c	na	6/10/98			UG/KG
MVP1800	С	na	6/10/98	Phenol bis (2-chloroethyl) ether	nd nd	UG/KG
	С	na	6/10/98	, , ,	nd nd	
MVP1800	С	na		2-Chlorophenol	nd nd	UG/KG
MVP1800	С	na	6/10/98	1,3-Dichlorobenzene	nd	UG/KG
MVP1800	С	na	6/10/98	1,4-Dichlorobenzene	nd d	UG/KG
MVP1800	С	na	6/10/98	Benzyl alcohol	nd d	UG/KG
MVP1800	С	na	6/10/98	1,2-Dichlorobenzene	nd nd	UG/KG
MVP1800	С	na	6/10/98	2-Methyl phenol	nd d	UG/KG
MVP1800	С	na	6/10/98	bis (2-chloroisopropyl) ether	nd nd	UG/KG
MVP1800	c	na	6/10/98	4- Methyl phenol	nd d	UG/KG
MVP1800	c	na	6/10/98	N-Nitroso-di-n-propylamine	nd d	UG/KG
MVP1800	С	na	6/10/98	Hexachloroethane	nd 	UG/KG
MVP1800	c	na	6/10/98	Nitrobenzene	nd	UG/KG
MVP1800		na	6/10/98	Isophorone	nd	UG/KG
MVP1800	C	na	6/10/98	2-Nitrophenol	nd	UG/KG
MVP1800	С	na	6/10/98	2,4-Dimethyl phenol	nd	UG/KG

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TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Documer	nt ID COC#	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1800	С	na	6/10/98	Benzoic acid	nd	UG/KG
MVP1800	С	na	6/10/98	bis (2-Chloroethoxy) methane	nd	UG/KG
MVP1800	С	na	6/10/98	2,4-Dichlorophenol	nd	UG/KG
MVP1800	С	na	6/10/98	1,2,4-Trichlorobenzene	nd	UG/KG
MVP1800	С	na	6/10/98	Naphthalene	nd .	UG/KG
MVP1800	С	na	6/10/98	4-Chloroaniline	nd	UG/KG
MVP1800	С	na	6/10/98	Hexachlorobutadiene	nd	UG/KG
MVP1800	С	na	6/10/98	4-Chloro-3-methyl phenol	nd	UG/KG
MVP1800	C	na	6/10/98	2-Methylnaphthalene	nd	UG/KG
MVP1800	c .	na	6/10/98	2,4,6-Trichlorophenol	nd	UG/KG
MVP1800	c	na	6/10/98	2,4,5-Trichlorophenol	nd	UG/KG
MVP1800	С	na	6/10/98	2-Chloronaphthalene	nd	UG/KG
MVP1800	С	na	6/10/98	2-Nitroaniline	nd	UG/KG
MVP1800	C	na	6/10/98	Dimethylphthalate	nd	UG/KG
MVP1800	C	na	6/10/98	Acenaphthylene	nd	UG/KG
MVP1800	С	na	6/10/98	2,6-Dinitrotoluene	nd	UG/KG
MVP1800	С	na	6/10/98	3-Nitroaniline	nd	
MVP1800	С	na	6/10/98			UG/KG
MVP1800	С		6/10/98	Acenaphthene	nd 	UG/KG
MVP1800	С	na		2,4-Dinitrophenol	nd	UG/KG
	С	na	6/10/98	4-Nitrophenol	nd	UG/KG
MVP1800	С	na	6/10/98	2,4-Dinitrotoluene	nd	UG/KG
MVP1800	c	na	6/10/98	Diethylphthalate	nd	UG/KG
MVP1800	С	na	6/10/98	4-Chlorophenyl-phenylether	nd	UG/KG
MVP1800	С	na	6/10/98	Fluorene	nd	UG/KG
MVP1800	c	na	6/10/98	4-Nitroaniline	nd	UG/KG
MVP1800	c	na	6/10/98	4,6-Dinitro-2-methylphenol	nd	UG/KG
MVP1800		na	6/10/98	N-Nitrosodiphenylamine	nd	UG/KG
MVP1800	c	na	6/10/98	4-Bromophenyl-phenylether	nd	UG/KG
MVP1800	c	na	6/10/98	Hexachlorobenzene	nd .	UG/KG
MVP1800	C	na	6/10/98	Pentachlorophenol	nd	UG/KG
MVP1800	c	na	6/10/98	Phenanthrene	nd	UG/KG
MVP1800	С	na	6/10/98	Anthracene	nd	UG/KG
MVP1800	С	na	6/10/98	Di-n-butylphthalate	nd	UG/KG
MVP1800	С	na	6/10/98	Fluoranthene	nd	UG/KG
MVP1800	С	na	6/10/98	Pyrene	nd	UG/KG
MVP1800	С	na	6/10/98	Butylbenzylphthalate	nd	UG/KG
MVP1800	С	na	6/10/98	3,3'-Dichlorobenzidine	nd	UG/KG
MVP1800	С	na	6/10/98	Benzo (a) anthracene	nd	UG/KG
MVP1800	С	na	6/10/98	Chrysene	nd	UG/KG
/IVP1800	С	na	6/10/98	bis (2-ethylhexyl) phthalate	nd	UG/KG
/IVP1800	С	na	6/10/98	Di-n-octyl phthalate	nd	UG/KG
/IVP1800	С	na	6/10/98	Benzo (b) fluoranthene	nd	UG/KG
/IVP1800	C	na	6/10/98	Benzo (k) fluoranthene	nd	UG/KG
/IVP1800	С	na	6/10/98	Benzo (a) pyrene	nd	UG/KG
//VP1800	c	na	6/10/98	Indeno (1,2,3-cd) pyrene	nd	UG/KG
//VP1800	c	na	6/10/98	Dibenzo (a,h) anthracene	nd	UG/KG
//VP1800	С	na	6/10/98	Benzo (g,h,i) perylene	nd	UG/KG
//VP1800	С	na	6/10/98	Aluminum	10100	
	С	i iu	0/10/30	ZMAHIHAHI	10100	MG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docume	ent ID COC #	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1800	С	na	6/10/98	Arsenic	nd	MG/KG
MVP1800	С	na	6/10/98	Barium	36	MG/KG
MVP1800	С	na	6/10/98	Beryllium	0.45	MG/KG
MVP1800	С	na	6/10/98	Cadmium	nd	MG/KG
MVP1800	c	na	6/10/98	Calcium	1350	MG/KG
MVP1800	С	na ·	6/10/98	Chromium	20	MG/KG
MVP1800	С	na	6/10/98	Cobalt	7.7	MG/KG
MVP1800	С	na	6/10/98	Copper	25	MG/KG
MVP1800	С	na	6/10/98	Iron	11700	MG/KG
MVP1800	С	na	6/10/98	Lead	58	MG/KG
MVP1800	С	na	6/10/98	Magnesium	3040	MG/KG
MVP1800	С	na	6/10/98	Manganese	88	MG/KG
MVP1800	С	na	6/10/98	Mercury	nd	MG/KG
MVP1800	C	na	6/10/98	Nickel	15	MG/KG
MVP1800	C	na	6/10/98	Potassium	259	MG/KG
MVP1800	C	na	6/10/98	Selenium	nd	MG/KG
MVP1800	С	na	6/10/98	Silver	nd	MG/KG
MVP1800	С	na	6/10/98	Sodium	186	MG/KG
MVP1800	С	na	6/10/98	Thallium	nd	MG/KG
MVP1800	С	na	6/10/98	Vanadium	42	MG/KG
MVP1800	С	na	6/10/98	Zinc	38	MG/KG
MVP1800	С	na	6/10/98	Arochlor-1016	nd	UG/KG
MVP1800	С	na	6/10/98	Arochlor-1010	nd	UG/KG
MVP1800	С	na	6/10/98	Arochlor-1232	nd	UG/KG
MVP1800	С	na	6/10/98	Arochlor-1242		
MVP1800	С		6/10/98	Arochlor-1248	nd nd	UG/KG
MVP1800	С	na	6/10/98		nd d	UG/KG
MVP1800	С	na	6/10/98	Arochlor-1254	nd d	UG/KG
MVP1800	С	na	6/10/98	Arochlor-1260	nd 	UG/KG
	С	na		Aldrin	nd d	UG/KG
MVP1800	С	na	6/10/98	alpha-BHC	nd	UG/KG
MVP1800 MVP1800	С	na	6/10/98	beta-BHC	nd	UG/KG
	c	na	6/10/98	delta-BHC	nd	UG/KG
MVP1800	c	na	6/10/98	gamma-BHC (lindane)	nd	UG/KG
MVP1800	C	na	6/10/98	alpha-chlordane	nd	UG/KG
MVP1800	c	na	6/10/98	4,4'-DDD	nd	UG/KG
MVP1800	c	na	6/10/98	4,4'-DDE	nd	UG/KG
MVP1800	С	na	6/10/98	4,4'-DDT	nd	UG/KG
MVP1800	С	na	6/10/98	Dieldrin	nd	UG/KG
MVP1800		na	6/10/98	Endosulfan I	nd	UG/KG
MVP1800	c	na	6/10/98	Endosulfan II	nd	UG/KG
MVP1800	c c	na	6/10/98	Endosulfan sulfate	nd	UG/KG
MVP1800		na	6/10/98	Endrin	nd	UG/KG
MVP1800	c	na	6/10/98	Endrin ketone	nd	UG/KG
MVP1800	c	na	6/10/98	Heptachlor	nd	UG/KG
MVP1800	c	na	6/10/98	Heptachlor epoxide	nd	UG/KG
MVP1800	C	na	6/10/98	Methoxychlor	nd	UG/KG
MVP1800	C	na	6/10/98	Toxaphene	nd	UG/KG
MVP1800	С	na	6/10/98	2,4-D	nd	UG/KG
MVP1800	С	na	6/10/98	2,4,5-T	nd	UG/KG

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TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	nent ID COC#	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1800	С	na	6/10/98	2,4,5-TP (silvex)	nd	UG/KG
Top Soil fro	m RACE	Excavation				
MVP1801	С	na	6/10/98	Chloromethane	nd	UG/KG
MVP1801	С	na	6/10/98	Bromomethane	nd	UG/KG
MVP1801	С	na	6/10/98	Vinyl chloride	nd	UG/KG
MVP1801	С	na	6/10/98	Chloroethane	nd	UG/KG
MVP1801	С	na	6/10/98	Methylene chloride	nd	UG/KG
MVP1801	С	na	6/10/98	Acetone	nd	UG/KG
MVP1801	С	na	6/10/98	Carbon disulfide	nd	UG/KG
MVP1801	С	na	6/10/98	1,1-Dichloroethene	nd	UG/KG
MVP1801	С	na	6/10/98	1,1-Dichloroethane	nd	UG/KG
MVP1801	С	na	6/10/98	1,2-Dichloroethene (cis)	nd	UG/KG
MVP1801	С	na	6/10/98	1,2-Dichloroethene (trans)	nd	UG/KG
MVP1801	С	na	6/10/98	Chloroform	nd	UG/KG
MVP1801	С	na	6/10/98	1,2-Dichloroethane	nd	UG/KG
MVP1801	С	na	6/10/98	2-Butanone	nd	UG/KG
MVP1801	С	na	6/10/98	1,1,1-Trichloroethane	nd	UG/KG
MVP1801	c	na	6/10/98	Carbon tetrachloride	nd	UG/KG
MVP1801	С	na	6/10/98	Bromodichloromethane	nd	UG/KG
MVP1801	С	na	6/10/98	1,2-Dichloropropane	nd	UG/KG
MVP1801	С	na	6/10/98	cis-1,3-Dichloropropene	nd	UG/KG
MVP1801	С	na	6/10/98	trans-1,3-Dichloropropene	nd	UG/KG
MVP1801	С	na	6/10/98	Trichloroethene	nd	UG/KG
MVP1801	c	na	6/10/98	Dibromochloromethane	nd	UG/KG
MVP1801	С	na	6/10/98	1,1,2-Trichloroethane	nd .	UG/KG
MVP1801	С	na	6/10/98	Benzene	nd	UG/KG
MVP1801	С	na	6/10/98	Bromoform	nd	
MVP1801	С	na	6/10/98	4-methyl-2-pentanone	nd	UG/KG
MVP1801	c	na	6/10/98	2-Hexanone	nd nd	UG/KG UG/KG
MVP1801	С	na	6/10/98	Tetrachloroethene	nd	UG/KG UG/KG
MVP1801	С	na	6/10/98	1,1,2,2-Tetrachloroethane	nd	
MVP1801	С	na	6/10/98	Toluene	nd	UG/KG
MVP1801	С	na	6/10/98	Chlorobenzene		UG/KG
MVP1801	С	na	6/10/98	Ethylbenzene	nd	UG/KG
MVP1801	С	na	6/10/98	•	nd nd	UG/KG
MVP1801	С	na	6/10/98	Styrene Valence (texts)	nd	UG/KG
MVP1801	С		6/10/98	Xylene (total)	nd d	UG/KG
MVP1801	С	na	6/10/98	Vinyl acetate	nd d	UG/KG
	С	na		2-chloroethylvinylether	nd d	UG/KG
MVP1801 MVP1801	c	na na	6/10/98	Phenol	nd d	UG/KG
VIVP1801 VIVP1801	С	na	6/10/98	bis (2-chloroethyl) ether	nd - d	UG/KG
MVP1801 MVP1801	С	na	6/10/98	2-Chlorophenol	nd	UG/KG
MVP1801	С	na	6/10/98	1,3-Dichlorobenzene	nd 4	UG/KG
	С	na	6/10/98	1,4-Dichlorobenzene	nď	UG/KG
/VP1801	С	na	6/10/98	Benzyl alcohol	nd	UG/KG
/VP1801	c	na	6/10/98	1,2-Dichlorobenzene	nd	UG/KG
/VP1801	c	na	6/10/98	2-Methyl phenol	nd	UG/KG
/IVP1801	c	na	6/10/98	bis (2-chloroisopropyl) ether	nd	UG/KG
MVP1801	•	na	6/10/98	4- Methyl phenol	nd	UG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docume	ent ID COC#	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1801	с	na	6/10/98	N-Nitroso-di-n-propylamine	nd	UG/KG
MVP1801	С	na	6/10/98	Hexachloroethane	nd	UG/KG
MVP1801	С	na	6/10/98	Nitrobenzene	nd	UG/KG
MVP1801	С	na	6/10/98	Isophorone	nd	UG/KG
MVP1801	С	na	6/10/98	2-Nitrophenol	nd	UG/KG
MVP1801	С	na	6/10/98	2,4-Dimethyl phenol	nd	UG/KG
MVP1801	С	na	6/10/98	Benzoic acid	nd	UG/KG
MVP1801	С	na	6/10/98	bis (2-Chloroethoxy) methane	nd	UG/KG
MVP1801	С	na	6/10/98	2,4-Dichlorophenol	nd	UG/KG
MVP1801	С	na	6/10/98	1,2,4-Trichlorobenzene	∙nd	UG/KG
MVP1801	С	na	6/10/98	Naphthalene	nd	UG/KG
MVP1801	С	na	6/10/98	4-Chloroaniline	nd	UG/KG
MVP1801	С	na	6/10/98	Hexachlorobutadiene	nd	UG/KG
MVP1801	C	na	6/10/98	4-Chloro-3-methyl phenol	nd	UG/KG
MVP1801	С	na	6/10/98	2-Methylnaphthalene	nd	UG/KG
MVP1801	С	na	6/10/98	Hexachlorocyclopentadiene	nd	UG/KG
MVP1801	С	na	6/10/98	2,4,6-Trichlorophenol	nd	UG/KG
MVP1801	С	na	6/10/98	2,4,5-Trichlorophenol	nd	UG/KG
MVP1801	С	na	6/10/98	2-Chloronaphthalene	nd	UG/KG
MVP1801	c	na	6/10/98	2-Nitroaniline	nd	UG/KG
MVP1801	С	na	6/10/98	Dimethylphthalate	nd	UG/KG
MVP1801	С	na	6/10/98	Acenaphthylene	nd	UG/KG
MVP1801	С	na	6/10/98	2,6-Dinitrotoluene	nd	UG/KG
MVP1801	С	na	6/10/98	Acenaphthene	nd	UG/KG
MVP1801	С	na	6/10/98	2,4-Dinitrophenol	nd	UG/KG
MVP1801	С	na	6/10/98	4-Nitrophenol	nd	UG/KG
MVP1801	С	na	6/10/98	2,4-Dinitrotoluene	nd	UG/KG
MVP1801	С	na	6/10/98	Diethylphthalate	nd	UG/KG
MVP1801	С	na	6/10/98	4-Chlorophenyl-phenylether	nd	UG/KG
MVP1801	С	na	6/10/98	Fluorene	nd	UG/KG
MVP1801	С	na	6/10/98	4-Nitroaniline	nd	UG/KG
MVP1801	С	na	6/10/98	4,6-Dinitro-2-methylphenol	nd	UG/KG
MVP1801	С	na	6/10/98	N-Nitrosodiphenylamine	nd	UG/KG
MVP1801	С	na	6/10/98	4-Bromophenyl-phenylether	nd	UG/KG
MVP1801	С	na	6/10/98	Hexachlorobenzene	nd	UG/KG
MVP1801	С	na	6/10/98	Pentachlorophenol	nd	UG/KG
MVP1801	С	na	6/10/98	Phenanthrene	nd	UG/KG
MVP1801	С	na	6/10/98	Anthracene	nd	UG/KG
MVP1801	С	na	6/10/98	Di-n-butylphthalate	nd	UG/KG
MVP1801	С	na	6/10/98	Fluoranthene	400	UG/KG
MVP1801	С	na	6/10/98	Pyrene	370	UG/KG
MVP1801	С	na	6/10/98	Butylbenzylphthalate	nd nd	
MVP1801	С	na	6/10/98	3,3'-Dichlorobenzidine	nd	UG/KG
MVP1801	с	na	6/10/98			UG/KG
MVP1801	С	na na	6/10/98	Benzo (a) anthracene	nd nd	UG/KG
MVP1801	С		6/10/98	Chrysene	nd nd	UG/KG
MVP1801	С	na		bis (2-ethylhexyl) phthalate	nd nd	UG/KG
MVP1801 MVP1801	С	na	6/10/98	Di-n-octyl phthalate	nd nd	UG/KG
VIVE TOUT	С	na	6/10/98	Benzo (b) fluoranthene	nd	UG/KG

TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Docum	ent ID COC#	Collection Date	Analyte	Concentration Review Qualifier	Unit
MVP1801	С	na	6/10/98	Benzo (a) pyrene	nd	UG/KG
MVP1801	С	na	6/10/98	Indeno (1,2,3-cd) pyrene	nd	UG/KG
MVP1801	С	na	6/10/98	Dibenzo (a,h) anthracene	nd	UG/KG
MVP1801	С	na	6/10/98	Benzo (g,h,i) perylene	nd	UG/KG
MVP1801	С	na	6/10/98	Aluminum	5400	MG/KG
MVP1801	С	na	6/10/98	Antimony	nd	MG/KG
MVP1801	c	na	6/10/98	Arsenic	nd	MG/KG
MVP1801	С	na	6/10/98	Barium	28	MG/KG
MVP1801	С	na	6/10/98	Beryllium	nd	MG/KG
MVP1801	С	na	6/10/98	Cadmium	nd	MG/KG
MVP1801	С	na	6/10/98	Calcium	1100	MG/KG
MVP1801	С	na	6/10/98	Chromium	10	MG/KG
MVP1801	С	na	6/10/98	Cobalt	nd	MG/KG
MVP1801	С	na	6/10/98	Copper	9.4	MG/KG
MVP1801	С	na	6/10/98	Iron	3120	MG/KG
MVP1801	С	na	6/10/98	Lead	15	MG/KG
MVP1801	С	na	6/10/98	Magnesium	700	MG/KG
	С		6/10/98	Manganese	30	MG/KG
MVP1801	с	na	6/10/98	Mercury	0.02	MG/KG
MVP1801	С	na	6/10/98	Nickel	6.1	MG/KG
MVP1801	С	na			147	MG/KG
MVP1801	c	na	6/10/98	Potassium	nd	MG/KG
MVP1801	c	na	6/10/98	Selenium		MG/KG
MVP1801	c ·	na	6/10/98	Silver	nd 174	MG/KG
MVP1801	c	na	6/10/98	Sodium		
MVP1801	С	na	6/10/98	Thallium	nd 40	MG/KG
MVP1801	c	na	6/10/98	Vanadium	18	MG/K0
MVP1801	c	na	6/10/98	Zinc	18	MG/KG
MVP1801		na	6/10/98	Arochlor-1016	nd	UG/KG
MVP1801	С	na	6/10/98	Arochlor-1221	nd	UG/KG
MVP1801	c	na	6/10/98	Arochlor-1232	nd	UG/KG
MVP1801	c	na	6/10/98	Arochlor-1242	nd	UG/KG
MVP1801	C .	na	6/10/98	Arochlor-1248	nd	UG/KG
MVP1801	c	na	6/10/98	Arochlor-1254	nd	UG/KG
MVP1801	c	na	6/10/98	Arochlor-1260	nd	UG/KC
MVP1801	С	na	6/10/98	Aldrin	nd	UG/KG
MVP1801	С	na	6/10/98	alpha-BHC	nd	UG/KG
MVP1801	С	na	6/10/98	beta-BHC	nd	UG/K
MVP1801	С	na	6/10/98	delta-BHC	nd	UG/K
MVP1801	С	na	6/10/98	gamma-BHC (lindane)	nd	UG/KC
MVP1801	С	na	6/10/98	alpha-chlordane	nd	UG/K
MVP1801	С	na	6/10/98	4,4'-DDD	nd	UG/K0
MVP1801	С	na	6/10/98	4,4'-DDE	nd	UG/K
MVP1801	С	na	6/10/98	4,4'-DDT	nd	UG/K
MVP1801	С	na	6/10/98	Dieldrin	nd	UG/K
MVP1801	С	na	6/10/98	Endosulfan I	nd	UG/K
MVP1801	С	na	6/10/98	Endosulfan II	nd	UG/K
MVP1801	С	na	6/10/98	Endosulfan sulfate	nd	UG/K
MVP1801	С	na	6/10/98	Endrin	nd	UG/K0
MVP1801	С	na	6/10/98	Endrin ketone	nd	UG/K

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TABLE G-1
RADIOLOGICAL AND CHEMICAL DATA FOR BACKFILL MATERIAL RECEIVED FROM VENDORS

Sample ID	Document	ID COC#	Collection Date	Analyte	Concentration	Review Qualifier	Unit
							·
MVP1801	С	na	6/10/98	Heptachlor	nd	,	UG/KG
MVP1801	C	na	6/10/98	Heptachlor epoxide	nd		UG/KG
MVP1801	c ·	na	6/10/98	Methoxychlor	nd		UG/KG
MVP1801	С	na	6/10/98	Toxaphene	nd		UG/KG
MVP1801	С	na	6/10/98	2,4-D	nd		UG/KG
MVP1801	c	na	6/10/98	2,4,5-T	nd		UG/KG
MVP1801	С	na	6/10/98	2,4,5-TP (silvex)	nd		UG/KG
Top Soil fro	m RACE Exc	avation, Inc., F	ranklin Lakes,	, NJ			
MVP1803	98G1045	138980637	6/10/98	Thorium-232	0.43	uj	PCI/G
MVP1803	98G1045	138980637	6/10/98	Radium-226	0.26	i	PCI/G
MVP1803	98G1045	138980637	6/10/98	Uranium-238	3.1	uj	PCI/G
Fill Material	from RACE E	Excavation, Inc	. Franklin Lak	es, NJ			
MVP1804	98G1045	138980637	6/10/98	Thorium-232	0.56	i	PCI/G
MVP1804	98G1045	138980637	6/10/98	Radium-226	0.38	i	PCI/G
MVP1804	98G1045	138980637	6/10/98	Uranium-238	1.82	uj	PCI/G

nd - not detected.

na - not applicable.

j - estimated value.

uj - Analyte was analyzed for but not detected, but must be estimated due to quality control considerations.

b - The analyte was found in the laboratory blank as well as the sample. This indiates possible laboratory contamination.

^a BNI 1998. FUSRAP Subcontractor Submittal Status Sheet Analytical Test Results, BPO-5996-1.1-003-1 (March 19).

^b BNI 1998. FUSRAP Subcontractor Submittal Status Sheet Analytical Test Results, BPO-5996-1.1-004-1 (October 19).

^c BNI 1998. MIS - Radiological and Chemical Data for Top Soil and Fill Material, CCN # 138-IOA-GEV-00117 (June).