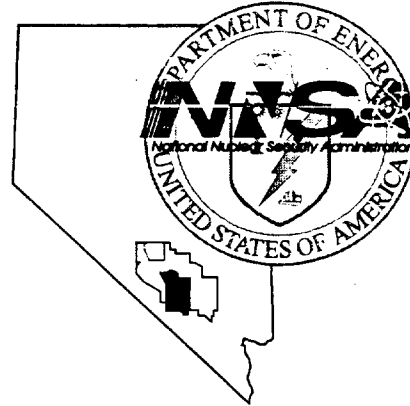


Nevada
Environmental
Restoration
Project

DOE/NV--779



Closure Report for Housekeeping
Category Corrective Action Unit
387: Spill Sites and Releases,
Nevada Test Site, Nevada

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October 2001

Environmental Restoration
Division

U.S. Department of Energy, National Nuclear Security Administration
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**CLOSURE REPORT
FOR HOUSEKEEPING CATEGORY
CORRECTIVE ACTION UNIT 387:
SPILL SITES AND RELEASES,
NEVADA TEST SITE, NEVADA**

**Prepared for:
U.S. Department of Energy
National Nuclear Security Administration
Nevada Operations Office
Work Performed Under Contract No. DE-AC08-96-NV11718**

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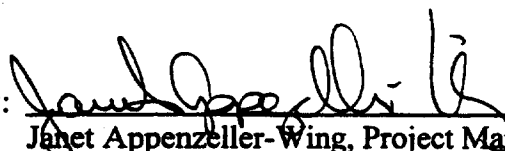
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**CLOSURE REPORT
FOR HOUSEKEEPING CATEGORY
CORRECTIVE ACTION UNIT 387:
SPILL SITES AND RELEASES,
NEVADA TEST SITE, NEVADA**

Approved by:

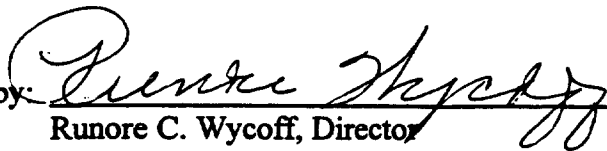


Janet Appenzeller-Wing, Project Manager
Industrial Sites Project

Date:

10/24/01

Approved by:



Runore C. Wycoff, Director
Environmental Restoration Division

Date:

10/24/01

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ACRONYMS AND ABBREVIATIONS

BN	Bechtel Nevada
CAS	Corrective Action Site(s)
CAU	Corrective Action Unit
COC	constituent(s) of concern or contaminants of concern
DOE/NV	U.S. Department of Energy Nevada Operations Office
EPA	U.S. Environmental Protection Agency
ER	Environmental Restoration
FFACO	Federal Facility Agreement and Consent Order
IT	International Technology Corporation
LLW	low-level waste
m	meters
m ³	cubic meter(s)
mg/kg	milligram(s) per kilogram
NAC	Nevada Administrative Code
NDEP	Nevada Division of Environmental Protection
NNSA/NV	U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office
NTS	Nevada Test Site
PCB	polychlorinated biphenyls
RCRA	Resource Conservation and Recovery Act
PRG	preliminary remediation goal
RSM	RAD Safe Marker
SVOC	semivolatile organic compound
TPH	total petroleum hydrocarbon
VOC	volatile organic compound
yd ³	cubic yard(s)

EXECUTIVE SUMMARY

The 27 Corrective Action Sites (CAS) that comprise Corrective Action Unit (CAU) 387 were closed by the following actions:

- CAS 02-44-01: Closed with no action required.
- CAS 02-99-01: Moved to CAU 358.
- CAS 02-99-02: Clean closed.
- CAS 02-99-03: Clean closed.
- CAS 02-99-04: Clean closed.
- CAS 02-99-07: Closed with no action required.
- CAS 02-99-09: Closed with no action required.
- CAS 02-99-11: Clean closed.
- CAS 03-22-22: Clean closed.
- CAS 03-22-33: Moved to CAU 358.
- CAS 03-22-35: Closed with no action required.
- CAS 03-44-02: Moved to CAU 536.
- CAS 03-44-03: Clean closed.
- CAS 03-99-01: Clean closed.
- CAS 03-99-02: Closed with no action required.
- CAS 03-99-03: Clean closed.
- CAS 03-99-04: Moved to CAU 358.
- CAS 03-99-06: Clean closed.
- CAS 03-99-07: Closed with no action required.
- CAS 03-99-08: Clean closed.
- CAS 03-99-09: Closed with no action required.

- CAS 03-99-17: Clean closed.
- CAS 03-99-18: Clean closed.
- CAS 04-44-01: Clean closed.
- CAS 04-44-03: Clean closed.
- CAS 07-99-02: Clean closed.
- CAS 07-99-03: Clean closed.

1.0 INTRODUCTION

This Closure Report documents the closure activities conducted for CAU 387: Spill Sites and Releases. CAU 387 is listed in Appendix III of the Federal Facility Agreement and Consent Order (FFACO) (FFACO, 1996) and consists of the following 23 CASs located in Areas 2, 3, 4, and 7 of the Nevada Test Site (NTS) (Figures 1, 2, 3, and 4):

- CAS 02-99-02: Epoxy Tar Spill
- CAS 02-99-03: Epoxy Tar Spills
- CAS 02-99-04: Spill
- CAS 02-99-07: Cement Spill
- CAS 02-99-09: Spill
- CAS 02-99-11: Spill
- CAS 02-44-01: U-2gh Drill Site Release
- CAS 03-22-22: Bucket; Spill
- CAS 03-22-35: Drum; Spill
- CAS 03-99-01: Spill
- CAS 03-99-02: Spill
- CAS 03-99-03: Spill
- CAS 03-99-06: Spill
- CAS 03-99-07: Spill
- CAS 03-99-08: Tar Spill
- CAS 03-99-09: Spill
- CAS 03-99-17: Bottle Spill
- CAS 03-99-18: Cement Spill
- CAS 03-44-03: Spills
- CAS 04-44-01: Spill
- CAS 04-44-03: U-4tPostshot Hole Release
- CAS 07-99-02: Discolored Area
- CAS 07-99-03: Compressed Bottle; Tar Spill

Closure activities were performed in two phases. Phase I activities consisted of collecting waste characterization samples of soil at appropriate sites. The results were used to determine how waste generated during closure activities would be handled and disposed (i.e., as nonhazardous sanitary or hazardous waste). Phase 2 activities consisted of closing each CAS by removing debris and/or soil, disposing of the generated waste, and verifying that each site was clean-closed by visual inspection and/or collecting soil verification samples for laboratory analysis.

Additionally, seven sites were closed with no further action after concurrence with Nevada Division of Environmental Protection (NDEP). Four other sites were moved into different CAUs in Appendix III of the FFACO because the housekeeping process was not adequate to close them.

Copies of the analytical results for the site verification samples are included in Appendix A. Copies of the Sectorized Housekeeping Site Closure Verification Forms for each of the 16 CAS are included in Appendix B.

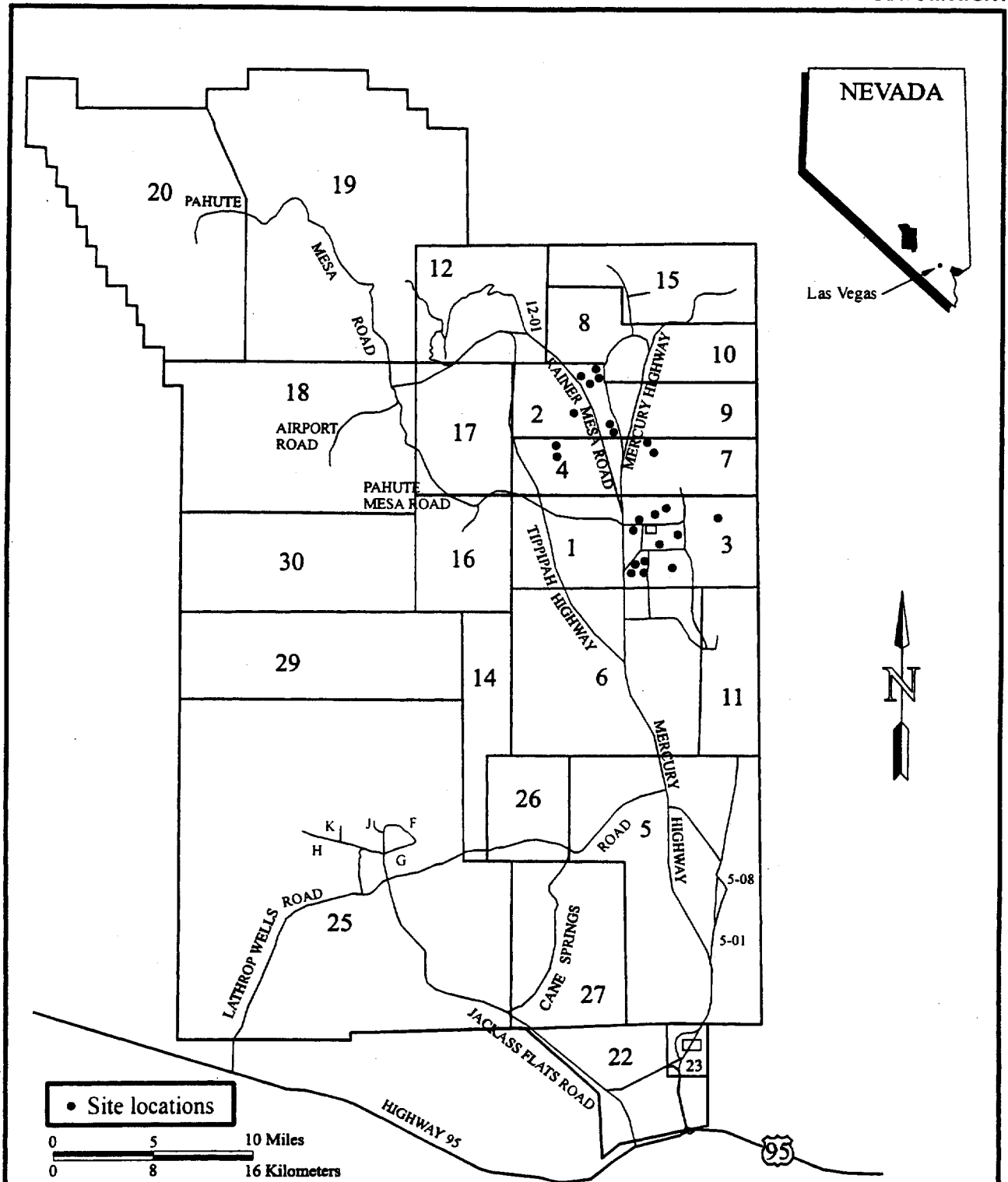
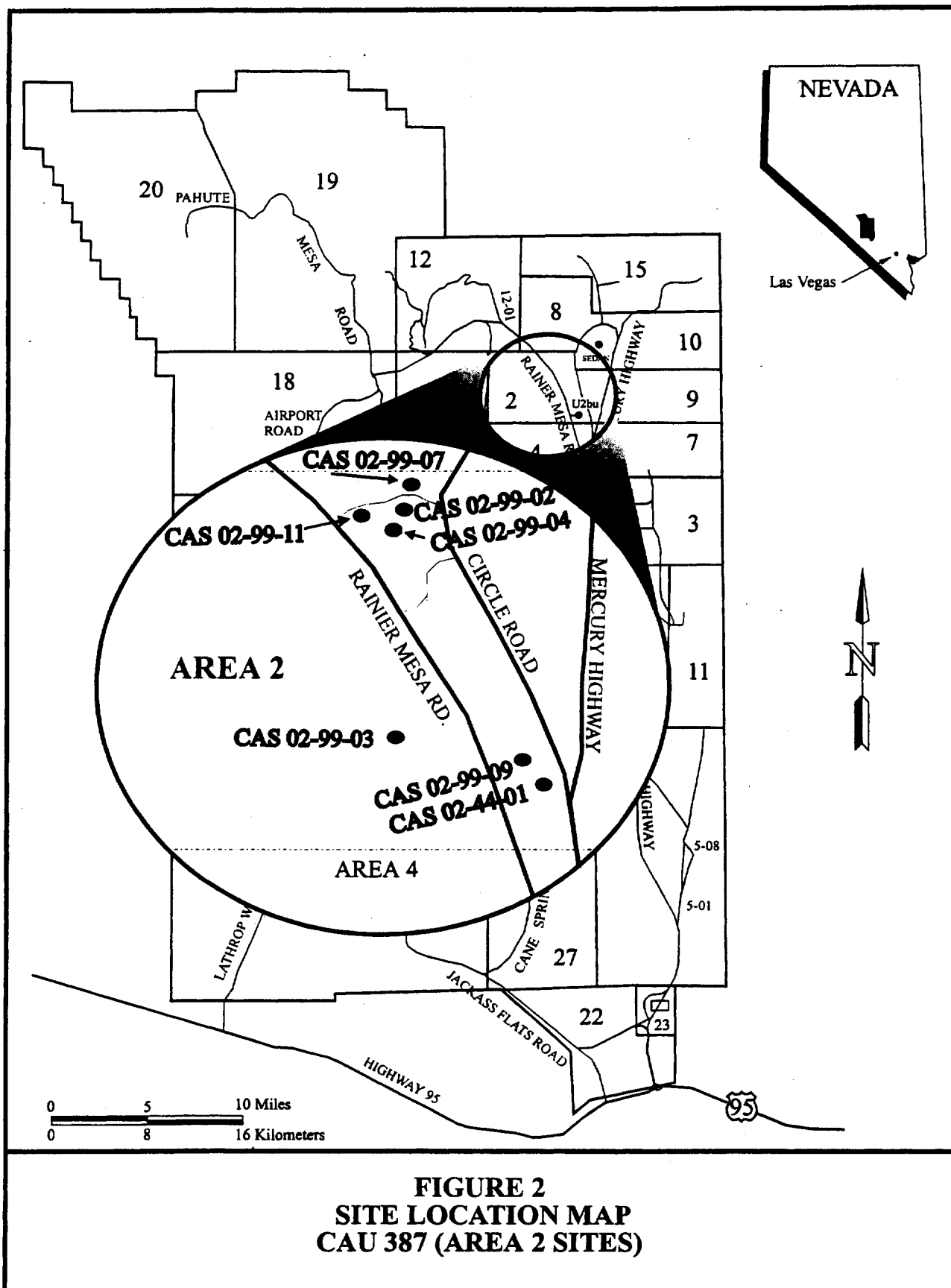
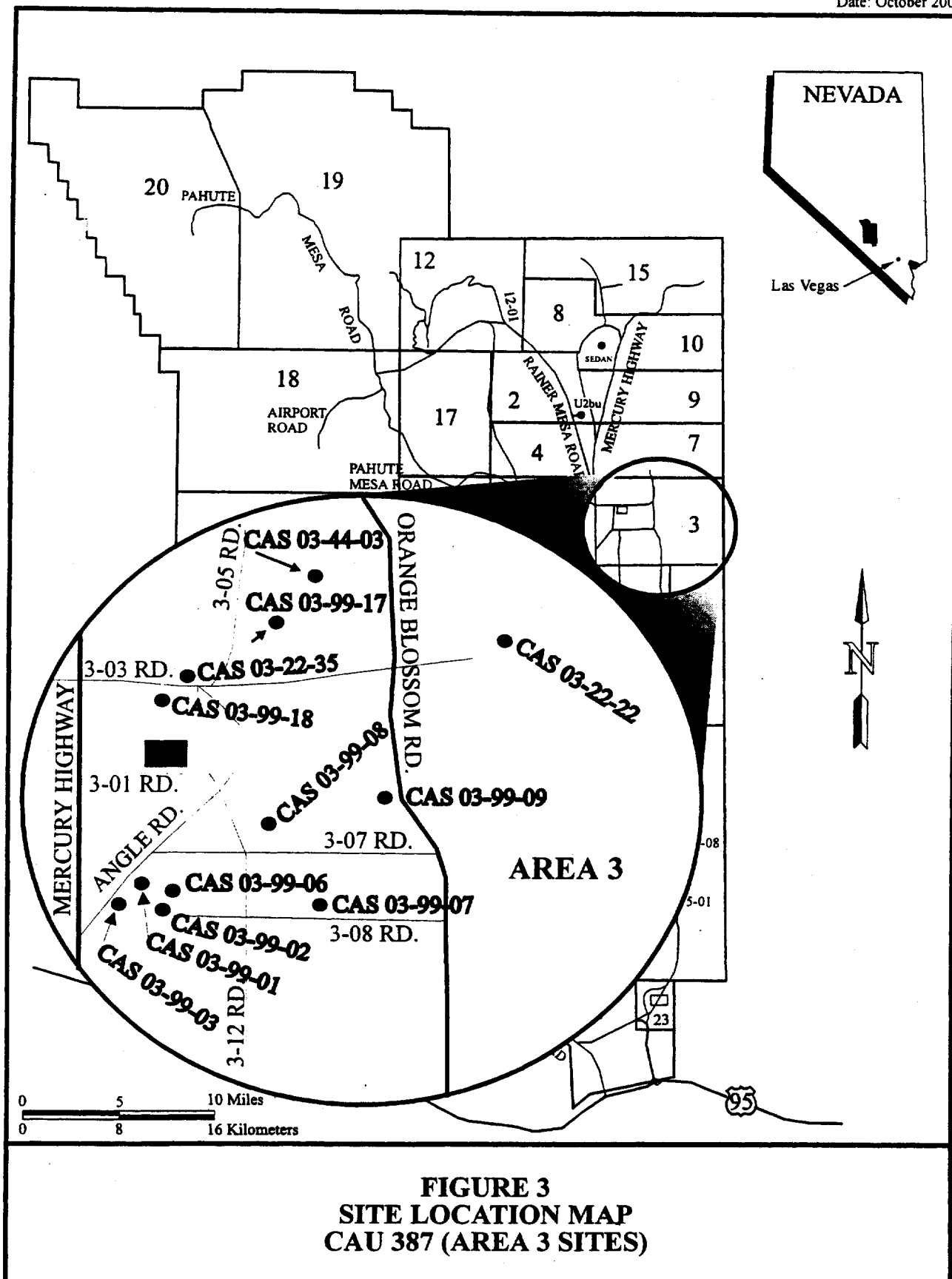
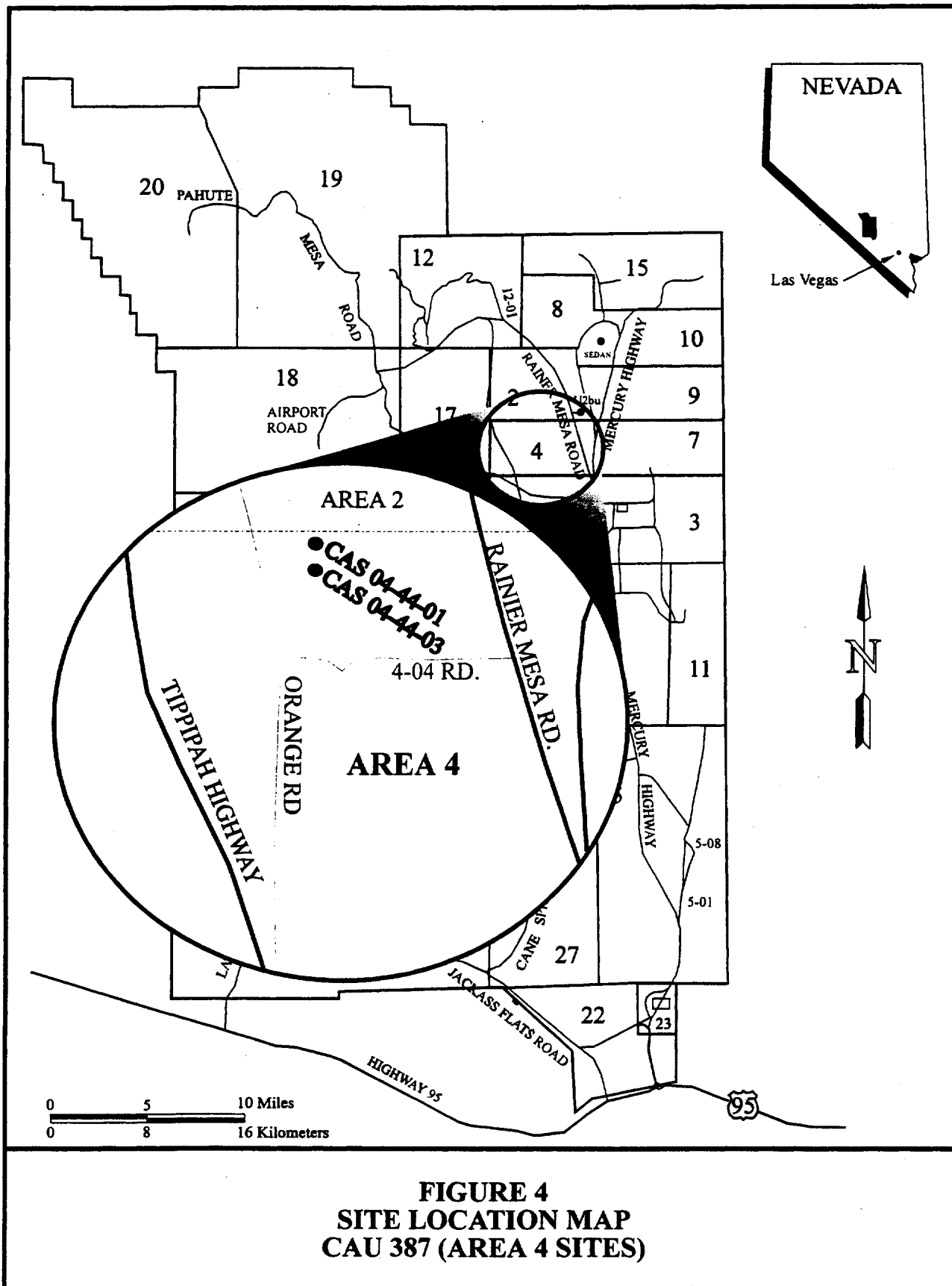


FIGURE 1
SITE LOCATION MAP
CAU 387







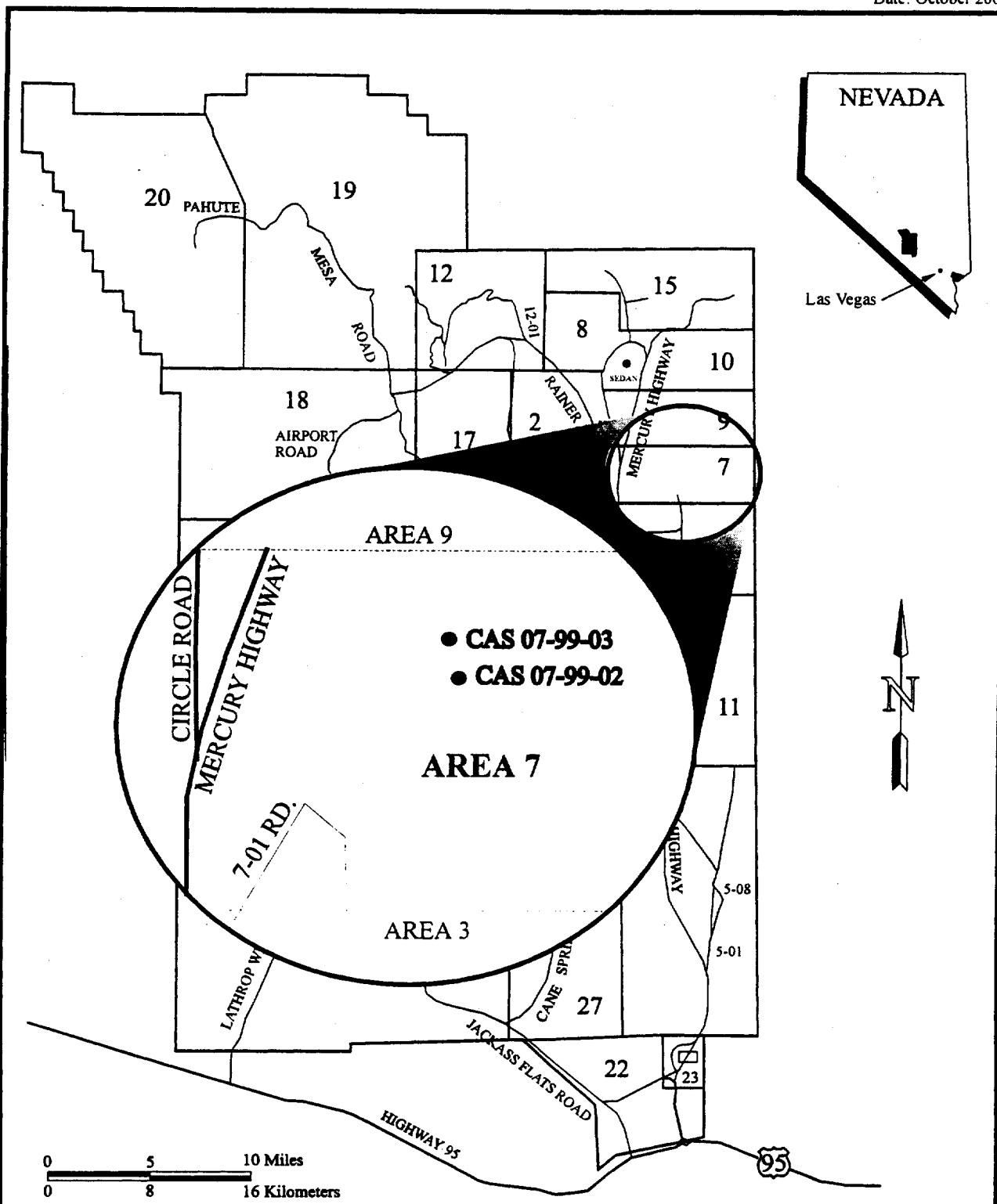


FIGURE 5
SITE LOCATION MAP
CAU 387 (AREA 7 SITES)

2.0 CLOSURE ACTIVITIES

This section details the specific corrective action activities completed during the closure of CAU 387: Spill Sites and Releases. Copies of the analytical data reports for all verification samples are included in Appendix A and copies of the Sector Housekeeping Site Closure Verification Forms are included in Appendix B.

2.1 Description Of Closure Activities

2.1.1 Preplanning and Site Preparation

Planning documents prepared prior to the beginning of closure activities include the *Sector Clean-up Work Plan For Housekeeping Category Waste Sites* (DOE/NV, 2000), *Generic Field Management Plan for Housekeeping Category Waste Sites* (BN, 2000), *Site-Specific Health and Safety Plan* (BN, 2001), *Site Maintenance Work Packages*, and *DOE/NV Real Estate/Operation Permit (BN-0161-00)*. In addition, a National Environmental Policy Act checklist was prepared (NV-00-060) and a pre-activity site survey was conducted by a Bechtel Nevada (BN) biologist. The survey confirmed the absence of sensitive animal or plant species at all 23 CAS. A Readiness Review was held on July 18, 2001 by BN Environmental Restoration. BN ER and Site Maintenance personnel held a pre-job field briefing on July 18, 2001, prior to the start of site-closure field activities.

2.2 Waste Characterization Activities

At 17 of the 23 CASs, samples of soil and/or material were collected and analyzed to characterize the waste that was expected to be generated during site-closure activities. Table 1 presents the analyses that were conducted for waste characterization samples, the results of these analyses, and the resulting waste classifications.

2.2.1 CAS 02-99-02 Waste Characterization

Waste generated at this site included epoxy tar/associated soil and debris, which included wood, metal and rope. On June 7, 2001, the soil samples (029902-0-1) were analyzed for total petroleum hydrocarbon (TPH), total Resource Conservation and Recovery Act (RCRA) metals, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and gamma spectroscopy. Results for total TPH were higher than the state of Nevada action level (100 milligrams per kilogram [mg/kg]) (Nevada Administrative Code [NAC, 2000]). Results for SVOCs were higher than the Region 9 preliminary remediation goals (PRGs) for industrial soils (U.S. Environmental Protection Agency [EPA, 1996a]). Results from radiological screening showed radioactivity possibly above background levels, which indicated that any waste generated might be potentially classified as low-level waste (LLW).

TABLE 1 - SUMMARY OF ANALYTICAL RESULTS FOR WASTE CHARACTERIZATION SAMPLES

CAS	SAMPLE TYPE	ANALYSIS	ANALYTICAL RESULTS	WASTE TYPE
02-99-02	Soil	Total RCRA metals ^a , VOCs ^b , SVOCs ^c , PCBs ^d , full-scan TPH ^e , and gamma spectroscopy ^f . Radiological screening ^g	Several SVOCs higher than action levels. Full-scan TPH higher than action levels. Radioactivity possibly above background levels.	Hydrocarbon Potential LLW (pending analysis)
02-99-03	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	Several SVOCs higher than action levels. Full-scan TPH higher than action levels.	Hydrocarbon
02-99-04	NA	N/A	N/A	Sanitary (based on process knowledge)
02-99-07	Soil	Total RCRA metals, VOCs, SVOCs, full-scan TPH, and gamma spectroscopy.	All analyses lower than action levels.	No further action No COCs present
02-99-09	Soil	Total RCRA metals, VOCs, SVOCs, full-scan TPH, and gamma spectroscopy.	All analyses lower than action levels.	No further action No COCs present
02-99-11	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	Full-scan TPH higher than action levels.	Hydrocarbon
02-44-01	N/A	N/A	N/A	No further action No site was found
03-22-22	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	All analyses lower than action levels.	Sanitary
03-22-35	N/A	N/A	N/A	No further action No drum or spill found at site.
03-99-01	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	Several SVOCs higher than action levels. Full-scan TPH higher than action levels.	Hydrocarbon
03-99-02	Soil	Total RCRA metals, VOCs, SVOCs, full-scan TPH, and gamma spectroscopy.	All analyses lower than action levels.	No further action No COCs present
03-99-03	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	Several SVOCs higher than action levels. Full-scan TPH higher than action levels.	Hydrocarbon
03-99-06	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy.	Several SVOCs higher than action levels. Full-scan TPH higher than action levels.	Hydrocarbon

TABLE 1 -SUMMARY OF ANALYTICAL RESULTS FOR WASTE CHARACTERIZATION SAMPLES (continued)

03-99-07	N/A	N/A	N/A	No further action No spill found
03-99-08	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, and gamma spectroscopy. Radiological screening.	Full-scan TPH higher than action levels. Radioactivity possibly above background levels.	Hydrocarbon Potential LLW
03-99-09	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, full-scan TPH, asbestos and alpha,gamma, beta spectroscopy.	All analyses lower than action levels.	No further action No COCs present
03-99-17	Soil and liquid	Total RCRA metals, VOCs, SVOCs, PCBs, and full-scan TPH.	All analyses lower than action levels.	Sanitary
03-99-18	N/A	N/A	N/A	Sanitary (based on process knowledge)
03-44-03	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, TPH full scan, and gamma spectroscopy.	Full-scan TPH higher than action levels.	Hydrocarbon
04-44-01	N/A	N/A	N/A	Sanitary (based on process knowledge)
04-44-03	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, TPH full scan, and gamma spectroscopy.	All analyses lower than action levels.	Sanitary
07-99-02	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, TPH full scan, and gamma spectroscopy.	All analyses lower than action levels.	Sanitary
07-99-03	Soil	Total RCRA metals, VOCs, SVOCs, PCBs, TPH full scan, and gamma spectroscopy.	Several SVOCs higher than action levels. Full-scan TPH higher than action levels.	Hydrocarbon

*Resource Conservation and Recovery Act (RCRA) metals analysis performed by U.S. Environmental Protection Agency (EPA) Method SW-846 6010, 7471A (EPA, 1996b).

^bVolatile organic compounds (VOC) analysis performed by EPA Method SW-846 8260B (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^cSemivolatile organic compounds (SVOC) analysis performed by EPA Method SW-846 8270C (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^dPolychlorinated biphenyls analysis performed by EPA Method SW-846 8082 (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^eTotal petroleum hydrocarbons (TPH) analysis performed by EPA Method SW-846 8015M (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^fGamma spectroscopy analysis performed by EPA Method SW-846 901.1 (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^gRadiological screening performed using an Electra hand-held meter and a Tennelec to count material swipes.

2.2.2 CAS 02-99-03 Waste Characterization

Waste generated at this site included epoxy tar. On June 7, 200, the soil samples (029903-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action level (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils, but were not considered hazardous for disposal purposes (EPA, 1996a). Based on waste characterization results, the epoxy tar was disposed of as hydrocarbon waste.

2.2.3 CAS 02-99-04 Waste Characterization

Waste generated at this site included concrete/cement and debris, which included metal fence posts and wood. No waste characterization sampling was done, due to process knowledge that concrete/cement and debris are discarded construction material and do not contain constituents of concern (COCs). The waste material and debris was disposed of as sanitary waste.

2.2.4 CAS 02-99-07 Waste Characterization

This site was visited by NDEP and was determined that it required no further action pending analytical results confirming that no COCs were present (Liebendorfer, 2001). On September 4, 2001, the soil samples (029907-0-1) were analyzed for TPH, total RCRA metals, SVOCs, VOCs and gamma spectroscopy. Waste characterization sampling confirmed that COCs are not present. The site was left with no further action because vegetation has begun to recolonize the site and the magnitude of the disturbance to remove a spill containing no COCs.

2.2.5 CAS 02-99-09 Waste Characterization

This site was visited by NDEP and was determined that it required no further action pending analytical results confirming that no COCs were present (Liebendorfer, 2001). On September 4, 2001, the soil samples (029909-0-1) were analyzed for TPH, total RCRA metals, SVOCs, VOCs and gamma spectroscopy. Waste characterization sampling confirmed that COCs are not present. The site was left with no further action because vegetation has begun to recolonize the site and the magnitude of the disturbance to remove a spill containing no COCs.

2.2.6 CAS 02-99-11 Waste Characterization

Waste generated at this site included epoxy. On June 7, 2001, the soil samples (029911-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action level (NAC, 2000). Based on waste characterization results, the epoxy spill was disposed of as hydrocarbon waste.

2.2.7 CAS 02-44-01 Waste Characterization

No release could be located for this CAS. An International Technology Corporation (IT), Las Vegas field crew attempted to locate this site, but the lack of specific site location information has made it impossible to find. BN has made two further attempts to find the site and could not do so. It was determined by NDEP that no action was required for this CAS (Liebendorfer, 2001).

2.2.8 CAS 03-22-22 Waste Characterization

Waste generated at this site included dark soil and debris, which included steel cables, drum lids, electrical box, electrical cables, bolts, and wood. On June 8, 2001, the soil samples (032222-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Based on waste characterization results, the waste material and debris was disposed of as sanitary waste.

2.2.9 CAS 03-22-35 Waste Characterization

No drum or spill could be located for this CAS. Past documentation also mentions that no drum or spill could be located from previous site visits. It was determined by NDEP that no action was required for this CAS (Liebendorfer, 2001).

2.2.10 CAS 03-99-01 Waste Characterization

Waste generated at this site included epoxy tar and debris, which included scrap metal, wood, and wire. On June 7, 2001, the soil samples were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for total TPH were higher than the state of Nevada action levels (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils, but were not considered hazardous for disposal purposes (EPA, 1996a). Based on waste characterization results, the waste generated from closure was categorized as hydrocarbon waste.

2.2.11 CAS 03-99-02 Waste Characterization

This site was visited by NDEP and was determined that it required no further action pending analytical results confirming that no COCs were present (Liebendorfer, 2001). On June 11, 2001, the soil samples (039902-0-1) were analyzed for TPH and total RCRA metals. On September 4, 2001, additional samples (039902-0-1) were analyzed for SVOCs, VOCs and gamma spectroscopy. Waste characterization sampling confirmed that COCs are not present. The site was left with no further action because vegetation has begun to recolonize the site and the magnitude of the disturbance to remove a spill containing no COCs.

2.2.12 CAS 03-99-03 Waste Characterization

Waste generated at this site included epoxy tar and debris, which included a trash can lid and an empty paint can. On June 3, 2001, the soil samples were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for total TPH were higher than the state of Nevada action levels (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils, but were not considered hazardous for disposal purposes (EPA, 1996a). Based on waste characterization results, the waste generated from closure was categorized as hydrocarbon waste.

2.2.13 CAS 03-99-06 Waste Characterization

Waste generated at this site included epoxy tar. On June 11, 2001, the soil samples (039906-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action levels (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils, but were not considered hazardous for disposal purposes (EPA, 1996a). Based on waste characterization results, the waste generated from closure was categorized as hydrocarbon waste.

2.2.14 CAS 03-99-07 Waste Characterization

No spill could be located for this CAS. Past documentation also mentions that no spill could be located from previous site visits. It was determined by NDEP that no action was required for this CAS (Liebendorfer, 2001).

2.2.15 CAS 03-99-08 Waste Characterization

Waste generated at this site included tar. On June 11, 2001, the soil samples (039908-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action levels (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils (EPA, 1996a). Results from radiological screening showed radioactivity possibly above background levels, which indicated that any waste generated might be potentially classified as LLW.

2.2.16 CAS 03-99-09 Waste Characterization

This site was visited by NDEP and was determined that it required no further action pending analytical results confirming that no COCs were present (Liebendorfer, 2001). On June 8, 2001, the soil samples (039909-0-1, 2, 3 and 4) were analyzed for TPH, total RCRA metals and alpha, beta and gamma spectroscopy. On July 19, 2001, additional samples (039909-0-1A, 2B, 3C and 4D) were analyzed for PCBs, SVOCs, VOCs and asbestos. Waste characterization sampling confirmed that COCs are not present. The site was left with no further action because vegetation has begun to recolonize the site and the magnitude of the disturbance to remove a spill containing no COCs.

2.2.17 CAS 03-99-17 Waste Characterization

Waste generated at this site included an amber glass bottle with unknown liquid, and metal debris. On June 8, 2001, the soil samples (039917-0-1) was collected from directly beneath the bottle and analyzed for SVOCs and VOCs. On July 19, 2001, an additional soil sample (039917-0-1A) was collected from directly beneath the bottle and analyzed for TPH, total RCRA metals, and PCBs. On August 22, 2001, the bottle and its liquid contents (082201-A) were analyzed for VOCs. The liquid inside the bottle contained no COCs. Based on waste characterization results, the waste material and debris were free to be released as sanitary waste.

2.2.18 CAS 03-99-18 Waste Characterization

Waste generated at this site included cement/concrete. No waste characterization sampling was done, due to process knowledge that cement is discarded construction material and does not contain COCs. Based on waste characterization results, the waste material was free to be released as sanitary waste.

2.2.19 CAS 03-44-03 Waste Characterization

Waste generated at this site included stained hydrocarbon soil. On June 8, 2001, soil samples (034403-0-1 and 034403-0-2) were collected, one at each small spill and were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action level (NAC, 2000). Based on waste characterization results, the waste generated from closure was categorized as hydrocarbon waste.

2.2.20 CAS 04-44-01 Waste Characterization

Waste generated at this site included cement/grout material and debris, which included wire, rope, and wood. No waste characterization sampling was done, due to process knowledge that cement/grout and debris is discarded construction material and does not contain COCs. The waste material was free to be released as sanitary waste.

2.2.21 CAS 04-44-03 Waste Characterization

Waste generated at this site included cement/drilling material and debris, which included rope and wood. On June 18, 2001, the soil samples (044403-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Based on waste characterization results, the waste material was free to be released as sanitary waste.

2.2.22 CAS 07-99-02 Waste Characterization

Waste generated at this site included cement and debris, which included wood, scrap metal, wire, and rubber. On June 11, 2001, two soil samples (079902-0-1 and 079902-0-2) were analyzed. The first sample (079902-0-1) was collected near the concrete pad and analyzed for total RCRA metals; the second (079902-0-2) was collected near a pile of cement and analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs and gamma spectroscopy. Based on waste characterization results, the waste material and debris were free to be released as sanitary waste.

2.2.23 CAS 07-99-03 Waste Characterization

Waste generated at this site included epoxy tar and debris, which included a wooden spool, wire, and gas cylinder. On June 13, 2001, the soil samples (079903-0-1) were analyzed for TPH, total RCRA metals, PCBs, VOCs, SVOCs, and gamma spectroscopy. Results for TPH were higher than the state of Nevada action level (NAC, 2000). Results for SVOCs were higher than the Region 9 PRGs for industrial soils, but were not considered hazardous for disposal purposes (EPA, 1996a). Based on waste characterization results, the waste and debris were categorized as

hydrocarbon waste. The gas cylinder was free to be released as sanitary waste after being neutralized.

2.3 SITE CLOSURE ACTIVITIES

2.3.1 CAS 02-99-02: Epoxy Tar Spill

Epoxy tar and debris were removed from the site on August 17, 2001. Since they may potentially be classified LLW, the epoxy and debris were placed into B-25 containers. The containers are currently being further characterized for LLW. Closure activities were documented with photographs. Verification soil samples (029902-0-A and 029902-0-B) were collected and analyzed for TPH and SVOCs. Results for both samples showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.2 CAS 02-99-03: Epoxy Tar Spills

The epoxy tar spills were removed from the site on August 20, 2001. The epoxy tar was placed into an end dump using a front-end loader and taken to the Area 6 Hydrocarbon Landfill for disposal. Closure activities were documented with photographs. Verification soil samples (029903-0-A, B, C and D) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. Elevated gamma spectroscopy readings were associated with the soils incorporated in the waste characterization sampling. Process knowledge indicates that the epoxy tar is not radioactive. It was not the intent of this housekeeping activity to verify whether the remaining radioactivity in the soil was still elevated since the radioactivity is not associated with the epoxy tar, but rather the nuclear testing conducted in the area. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.3 CAS 02-99-04: Spill

On August 20, 2001, concrete/cement, metal fence posts, and wood were placed into an end dump using a front-end loader and taken to the Area 9 U10c Landfill. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual inspection; no verification samples were required or collected. No further action is required at this site.

2.3.4 CAS 02-99-11: Spill

The epoxy spill was removed from the site on August 10, 2001. The epoxy was placed into an end dump using a front-end loader and taken to the Area 6 Hydrocarbon Landfill for disposal. Closure activities were documented with photographs. Verification soil samples (029911-0-A, -

B, C, D, and E) were collected and analyzed for TPH. Results for all samples showed TPH lower than the state of Nevada action level (NAC, 2000), verifying that the site was clean-closed. Analytical results for the verification samples are given in Table 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.5 CAS 03-22-22: Bucket; Spill

On August 20, 2001, the dark soil and debris, including steel cables, drum lids, electrical debris, bolts, and wood, were placed into an end dump using a front-end loader and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual inspection; no verification samples were required or collected. No further action is required at this site.

2.3.6 CAS 03-44-03: Spills

The two spills that stained the soil were removed from the site on August 20, 2001. The stained soil was placed into an end dump using a front-end loader and taken to the Area 6 Hydrocarbon Landfill for disposal. Closure activities were documented with photographs. Verification soil samples (034403-0-A and 034403-0-B) were collected and analyzed for TPH. Results for both samples showed TPH lower than the state of Nevada action level (NAC, 2000), verifying that the site was clean-closed. Analytical results for the verification samples are given in Table 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.7 CAS 03-99-01: Spill

The epoxy tar spill and metal debris were removed from the site on July 25, 2001. The epoxy and metal debris were placed into an end dump using a front-end loader and taken to the Area 6 Hydrocarbon Landfill for disposal. Verification soil samples (039901-0-A and 039901-0-B) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.8 CAS 03-99-03: Spill

The epoxy tar spill and debris, which included a trash can lid and an empty paint can, were removed from the site on July 24, 2001. The epoxy tar and debris were placed into an end dump using a front-end loader and taken to the Area 6 Hydrocarbon Landfill for disposal. Verification soil samples (039903-0-A) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

TABLE 2 - SUMMARY OF ANALYTICAL RESULTS FOR SVOC VERIFICATION SAMPLES

SAMPLE IDENTIFICATION	Benzo(a)anthracene	Benzo(b)fluoranthene	Indeno(1,2,3-c,d)pyrene	Dibenzo(a,h)anthracene	Benzo(a)pyrene	Phenanthrene	Pyrene	Di-n-butyl phthalate	Fluoranthene	2-Methyl-naphthalene
EPA Industrial PRG ^a (mg/kg) ^b	2.9	2.9	2.9	.29	.29	N/A	54,000	N/A	30,000	N/A
CAS 02-99-02										
029902-0-A	ND ^c	ND	ND	ND	ND	ND	ND	ND	ND	ND
029902-0-B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAS 02-99-03										
029903-0-A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
029903-0-B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
029903-0-C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
029903-0-D	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAS 03-99-01										
039901-0-A	ND	.340	ND	ND	ND	.500	.630	ND	.510	ND
039901-0-B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAS 03-99-03										
039903-0-A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAS 03-99-06										
039906-0-A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
CAS 03-99-08										
039908-0-A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
039908-0-B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
039908-0-C	ND	ND	ND	ND	ND	ND	ND	.590	ND	ND
039908-0-D	ND	ND	ND	ND	ND	.690	.840	1.5	.710	.380
CAS 07-99-03										
079903-0-A	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
079903-0-B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
079903-0-C	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Note: All samples analyzed by U.S. Environmental Protection Agency (EPA) Method SW-846 8270 (EPA, 1996b). See analytical reports in Appendix A for detection limits.

^aEPA Region IX Industrial Preliminary Remediation Goals (PRGs) for 1996 (EPA, 1996a). Some PRGs have no preliminary remediation goals.

^bmg/kg = Milligram per kilogram.

^cND=Not detected at the laboratory reporting limit.

TABLE 3 - SUMMARY OF ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS IN VERIFICATION SAMPLES

SAMPLE IDENTIFICATION	GASOLINE RANGE (mg/kg)	DIESEL RANGE (mg/kg)	OIL RANGE (mg/kg)	TOTAL PETROLEUM HYDROCARBONS (mg/kg)
NDEP ^a Action Level (mg/kg) ^b	100	100	100	100
CAS 02-99-02				
029902-0-A	ND ^c	48	ND	48
029902-0-B	ND	32	ND	32
CAS 02-99-03				
029903-0-A	ND	ND	ND	ND
029903-0-B	ND	ND	ND	ND
029903-0-C	ND	ND	ND	ND
029903-0-D	ND	ND	ND	ND
CAS 02-99-11				
029911-0-A	ND	ND	ND	ND
029911-0-B	ND	ND	ND	ND
029911-0-C	ND	ND	ND	ND
029911-0-D	ND	ND	ND	ND
029911-0-E	ND	ND	ND	ND
CAS 03-99-01				
039901-0-A	ND	ND	ND	ND
039901-0-B	ND	ND	ND	ND
CAS 03-99-03				
039903-0-A	ND	ND	ND	ND
CAS 03-99-06				
039906-0-A	ND	25	ND	25
CAS 03-44-03				
034403-0-A	ND	ND	ND	ND
034403-0-B	ND	ND	ND	ND
CAS 03-99-08				
039908-0-A	ND	ND	ND	ND
039908-0-B	ND	ND	ND	ND
039908-0-C	ND	22	ND	22
039908-0-D	ND	ND	ND	ND
CAS 07-99-03				
079903-0-A	ND	ND	ND	ND
079903-0-B	ND	ND	ND	ND
079903-0-C	ND	ND	ND	ND

^aNDEP-Nevada Division of Environmental Protection

^bmg.kg-Milligrams per kilogram

^cND-Not detected for the laboratory reporting limits.

2.3.9 CAS 03-99-06: Spill

The epoxy tar spill was removed from the site on July 25, 2001, by placing material into an end dump using a front-end loader and taking it to the Area 6 Hydrocarbon Landfill for disposal. Verification soil samples (039906-0-A) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.10 CAS 03-99-08: Tar Spill

The tar spill was removed from the site on August 17, 2001. The tar was placed into B-25 containers due to its potential to be LLW. Containers are currently being further characterized for LLW. Verification soil samples (039908-0-A, B, C, and D) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. Elevated gamma spectroscopy readings were associated with the soils incorporated in the waste characterization sampling. Process knowledge indicates that the tar is not radioactive. It was not the intent of this housekeeping activity to verify whether the remaining radioactivity in the soil was still elevated since the radioactivity is not associated with the tar, but rather the nuclear testing conducted in the area. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.11 CAS 03-99-17: Bottle Spill

The amber glass bottle and scrap metal were removed on August 20, 2001. No soil verification sampling was needed at this site. No COCs were found in the waste characterization soil samples collected from beneath the bottle or the bottle and its liquid contents. All closure activities were documented with photographs and field notes. No further actions are required at this site.

2.3.12 CAS 03-99-18: Cement Spill

The cement spill was removed on August 17, 2001. The cement was placed into an end dump using a back hoe and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual inspection; no verification samples were required or collected. No further action is required at this site.

2.3.13 CAS 04-44-01: Spill

The cement/grout material and debris, which included wire, rope, and wood, were removed on August 21, 2001. The cement/grout material and debris were placed into an end dump using a front-end loader and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual

inspection; no verification samples were required or collected. No further action is required at this site.

2.3.14 CAS 04-44-03: U-4t Postshot Hole Release

The drilling/grout material was removed on August 21, 2001, by placing material into an end dump using a front-end loader and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual inspection; no verification samples were required or collected. No further action is required at this site.

2.3.15 CAS 07-99-02: Discolored Area

The pile of discolored cement and numerous pieces of debris, which included metal, wire, rubber, and wood, were removed on August 3, 2001. The discolored cement and debris were placed into an end dump using a front-end loader and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. Clean closure of this site was verified by visual inspection; no verification samples were required or collected. No further action is required at this site.

2.3.16 CAS 07-99-03: Compressed Bottle; Tar Spill

The two small tar spills and debris, which included a wooden spool and wire, were removed on August 3, 2001, by placing material and debris into an end dump using a front-end loader and taking it to the Area 6 Hydrocarbon Landfill for disposal. Verification soil samples (079903-0-A, B, and C) were collected and analyzed for TPH and SVOCs. Results showed TPH lower than the state of Nevada action level and SVOCs lower than the Region 9 PRGs for industrial soils (NAC, 2000; EPA, 1996a), verifying that the site was clean-closed. Analytical results for the verification samples are given in Tables 2 and 3. On September 25, 2001, the gas cylinder was neutralized with explosives and taken to the Area 9 U10c Landfill for disposal. All closure activities were documented with photographs and field notes. No further actions are required at this site.

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3.0 WASTE DISPOSITION

Wastes generated during the closure of CAU 387: Spill Sites and Releases were disposed as follows:

- CAS 02-99-02: approximately 7.7 cubic meters (m^3) (10 cubic yards [yd^3]) of epoxy tar/soil and debris placed into B-25 containers as potential LLW. Contents of the B-25 containers will be sampled for radioisotopes and disposed of accordingly.
- CAS 02-99-03: approximately 1.5 m^3 (2 yd^3) of epoxy tar/soil disposed of in the Area 6 Hydrocarbon Landfill.
- CAS 02-99-04: approximately 25.4 m^3 (33 yd^3) of concrete/cement and debris disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 02-99-11: approximately 2.3 m^3 (3 yd^3) of epoxy/soil disposed in the Area 6 Hydrocarbon Landfill.
- CAS 03-22-22: approximately 3.8 m^3 (5 yd^3) of soil and debris disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 03-44-03: approximately 1.5 m^3 (2 yd^3) of TPH-impacted soil disposed of in the Area 6 Hydrocarbon Landfill.
- CAS 03-99-01: approximately 1.5 m^3 (2 yd^3) of epoxy tar and scrap metal disposed of in the Area 6 Hydrocarbon Landfill.
- CAS 03-99-03: approximately 1.5 m^3 (2 yd^3) of epoxy tar and debris disposed of in the Area 6 Hydrocarbon Landfill.
- CAS 03-99-06: approximately 2.3 m^3 (3 yd^3) of epoxy tar disposed of in the Area 6 Hydrocarbon Landfill.
- CAS 03-99-08: approximately 12.3 m^3 (16 yd^3) of tar placed into B-25 containers as potential LLW. Contents of the B-25 containers will be sampled for radioisotopes and disposed of accordingly.
- CAS 03-99-17: amber glass bottle with contents sent to laboratory for analysis; scrap metal disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 03-99-18: approximately 4.6 m^3 (6 yd^3) of cement disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 04-44-01: approximately 7.7 m^3 (10 yd^3) of cement/grout material and debris disposed of as sanitary waste in the Area 9 U10c Landfill.

- CAS 04-44-03: approximately 19 m³ (25 yd³) of drilling/grout material disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 07-99-02: approximately 1.5 m³ (2 yd³) of discolored cement and debris disposed of as sanitary waste in the Area 9 U10c Landfill.
- CAS 07-99-03: approximately 1.5 m³ (2 yd³) of epoxy tar and debris disposed of in the Area 6 hydrocarbon landfill; gas cylinder disposed as sanitary waste in the Area 9 U10c Landfill.

4.0 CLOSURE VERIFICATION

The following nine CASs required verification soil sampling:

- 02-99-02
- 02-99-03
- 02-99-11
- 03-44-03
- 03-99-01
- 03-99-03
- 03-99-06
- 03-99-08
- 07-99-03

Samples were collected from a total of 24 locations after the excavations reached boundaries determined by field screening and/or no visible staining was observed. The samples were collected with clean disposable plastic scoops and placed in labeled sample containers secured with custody seals. The sample containers were placed on ice in a cooler; transported under chain of custody to the BN Sample Management group in Mercury, Nevada; and shipped to an off-site laboratory for analysis. Samples from 17 locations were analyzed for SVOCs (EPA, 1996a). Samples from 23 locations were analyzed for TPH (EPA, 1996b). Some locations required both, TPH and SVOC verification soil samples be collected.

The analytical results verify that SVOCs and TPH remaining in the ground at the nine sites are below EPA Region 9 PRGs for industrial soil (EPA, 1996a), and the state of Nevada action level for TPH (i.e., 100 mg/kg) (NAC, 2000). The analytical results for SVOCs and TPH are summarized in Tables 2 and 3, respectively; the analytical reports are included in Appendix A.

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5.0 SUMMARY AND RECOMMENDATIONS

5.1 SUMMARY

The following site closure activities were performed at the 16 of the 23 CASs comprising CAU 387 and are documented in the report:

- All debris (e.g., wood, metal cable, scrap metal, rope, electrical debris, drum lids, wire, empty cans, rubber, and/or gas cylinders) were removed from the sites and disposed in either the Area 9 U10c Landfill or the Area 6 Hydrocarbon Landfill, depending upon its type.
- All soil containing TPH levels at or above the state of Nevada TPH action level (i.e., 100 mg/kg) (NAC, 2000) was removed and disposed in the NTS Area 6 Hydrocarbon Landfill.
- All material, including soil, containing cement or drilling/grout material was removed from the sites and disposed in the Area 9 U10c Landfill.

5.2 RECOMMENDATIONS

Since the closure activities for CAU 387 have been completed following the Nevada Division of Environmental Protection (NDEP)-approved Sectorized Clean-up Work Plan for Housekeeping Category Waste Sites (DOE/NV, 2000) as documented in this report, the U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office (NNSA/NV) requests the following:

- A Notice of Completion be provided by the NDEP to the NNSA/NV for the closure of CAU 387 (CAS 02-99-02, CAS 02-99-03, CAS 02-99-04, CAS 02-99-07, CAS 02-99-09, CAS 02-99-11, CAS 02-44-01, CAS 03-22-22, CAS 03-22-35, CAS 03-44-03, CAS 03-99-01, CAS 03-99-02, CAS 03-99-03, CAS 03-99-06, CAS 03-99-07, CAS 03-99-08, CAS 03-99-09, CAS 03-99-17, CAS 03-99-18, CAS 04-44-01, CAS 04-44-03, CAS 07-99-02, and CAS 07-99-03).
- CAU 387 be moved from Appendix III to Appendix IV of the FFACO *Closed Corrective Action Units* (FFACO, 1996).

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6.0 REFERENCES

BN, see Bechtel Nevada.

Bechtel Nevada. 2000. *Field Management Plan for Housekeeping Category Waste Sites*, Las Vegas, NV.

Bechtel Nevada. 2001. *Site-Specific Health and Safety Plan for Corrective Action Unit 387: Areas 2, 3, 4 and 7 Spill Sites and Releases, Nevada Test Site, Nevada*, Las Vegas, NV.

DOE/NV, see U.S. Department of Energy, Nevada Operations Office.

EPA, see U.S. Environmental Protection Agency.

FFACO, see Federal Facility Agreement and Consent Order.

Federal Facility Agreement and Consent Order of 1996. Agreed to by the Nevada Division of Environmental Protection, U.S. Department of Energy, and U.S. Department of Defense.

Liebendorfer, Paul J. 2001. Letter, "Proposed Modifications to the Remediation Process for Various CASSs, Corrective Action Unit (CAU) 387, Federal Facility Agreement and Consent Order," September 28, 2001.

NAC, see Nevada Administrative Code.

Nevada Administrative Code. 2000. NAC 445A.2272, *Contamination of soil: Establishment of action levels*. As adopted by the Nevada Environmental Commission, October, Carson City, NV.

U.S. Department of Energy, Nevada Operations Office. 2000. *Sectored Clean-up Work Plan for Housekeeping Category Waste Sites*, Rev 0, DOE/NV--579, Las Vegas, NV.

U.S. Environmental Protection Agency. 1996a. *Region IX Preliminary Remediation Goals (PRGs)*, San Francisco, CA.

U.S. Environmental Protection Agency. 1996b. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, EPA Publication SW-846, Third Edition. Washington, D.C.

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APPENDIX A
VERIFICATION SAMPLE ANALYTICAL RESULTS

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NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1243
PROJECT NUMBER: 23081

NEL ORDER ID: L0108210

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 8/21/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Some results have been flagged as follows:

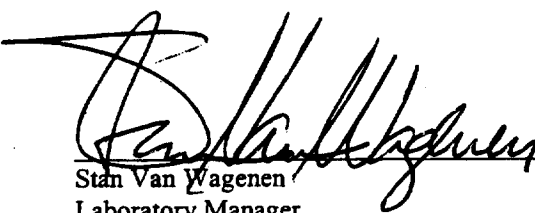
- Di - Results reported from analysis at a higher dilution.
- J - This concentration should be considered an estimate due laboratory control sample failure.
- Jl - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.

Some QA results have been flagged as follows:

- J - This concentration should be considered an estimate due laboratory control sample failure.
- Jl - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.
- R5 - RPD exceeded the laboratory control limit. Recovery met acceptance criteria.

Some surrogate results have been flagged as follows:

- Sf - This surrogate was outside acceptance limits.


Stan Van Wagenen
Laboratory Manager

9/18/07
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 029902-0-A
DATE SAMPLED: 8/17/01
NEL SAMPLE ID: L0108210-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 8/29/01
ANALYZED: 9/4/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND J	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND JI	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND JI	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND JI	330. µg/kg	2-Methylnaphthalene	ND JI	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND JI	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND JI	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND JI	330. µg/kg
2,4-Dimethylphenol	ND JI	330. µg/kg	2,4,6-Trichlorophenol	ND JI	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	52	19 - 122
2-Fluorobiphenyl	50	30 - 115
2-Fluorophenol	38	25 - 121
Nitrobenzene-d5	39	23 - 120
p-Terphenyl-d14	76	18 - 137
Phenol-d6	49	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 029902-0-B
DATE SAMPLED: 8/17/01
NEL SAMPLE ID: L0108210-02

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 8/29/01

ANALYZED: 9/4/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	64	19 - 122
2-Fluorobiphenyl	59	30 - 115
2-Fluorophenol	44	25 - 121
Nitrobenzene-d5	43	23 - 120
p-Terphenyl-d14	66	18 - 137
Phenol-d6	51	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 039908-0-C
DATE SAMPLED: 8/17/01
NEL SAMPLE ID: L0108210-07

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 8/29/01

ANALYZED: 9/4/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	590	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	51	19 - 122
2-Fluorobiphenyl	46	30 - 115
2-Fluorophenol	39	25 - 121
Nitrobenzene-d5	39	23 - 120
p-Terphenyl-d14	67	18 - 137
Phenol-d6	44	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 039908-0-D
DATE SAMPLED: 8/17/01
NEL SAMPLE ID: L0108210-08

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 8/29/01

ANALYZED: 9/5/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	710	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	380	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	1500	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	690	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	840	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	69	19 - 122
2-Fluorobiphenyl	71	30 - 115
2-Fluorophenol	53	25 - 121
Nitrobenzene-d5	58	23 - 120
p-Terphenyl-d14	83	18 - 137
Phenol-d6	61	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010829-8270S-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid

ANALYST: JRW - Las Vegas Division
EXTRACTED: 8/29/01
ANALYZED: 8/30/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	Diethylphthalate	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dimethylphenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Dimethylphthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	4,6-Dinitro-2-methyl phenol	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	2,4-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
bis (2-Ethylhexyl)phthalate	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Butylbenzylphthalate	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
Carbazole	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
4-Chloroaniline	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
Chrysene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
Dibenzo (a,h) anthracene	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	Pyrene	ND	330 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	51	19 - 122
2-Fluorobiphenyl	54	30 - 115
2-Fluorophenol	53	25 - 121
Nitrobenzene-d5	55	23 - 120
p-Terphenyl-d14	66	18 - 137
Phenol-d6	56	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 029902-0-A
DATE SAMPLED: 8/17/01
NEL SAMPLE ID: L0108210-01

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/6/01
ANALYZED: 9/6/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	48 mg/kg	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	48 mg/kg	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	55	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081

CLIENT ID: 029902-0-B
 DATE SAMPLED: 8/17/01
 NEL SAMPLE ID: L0108210-02

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
 METHOD: EPA 8015M
 MATRIX: Solid
 DILUTION: 1

ANALYST: PXC - Division
 EXTRACTED: 8/26/01
 ANALYZED: 8/29/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	32 mg/kg	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	32 mg/kg	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	59	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 034403-0-A
DATE SAMPLED: 8/20/01
NEL SAMPLE ID: L0108210-09

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/26/01
ANALYZED: 8/29/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	62	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: 034403-0-B
DATE SAMPLED: 8/20/01
NEL SAMPLE ID: L0108210-10

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/26/01
ANALYZED: 8/29/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	56	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010826TPHS-3-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid

ANALYST: PXC - Division
EXTRACTED: 8/26/01
ANALYZED: 8/29/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	83	54 - 130

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010904TPHS-1-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid

ANALYST: PXC - Division
EXTRACTED: 9/6/01
ANALYZED: 9/6/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	76	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada

PROJECT ID: V1243

PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992

MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Diesel Range (C12-C22)	010826TPHS-3-LCS	166.7	121	73	53 - 91	
Diesel Range (C12-C22)	010826TPHS-3-LCSD	166.7	119	71	53 - 91	1.7
Total	010826TPHS-3-LCS	166.7	121	73	53 - 91	
Total	010826TPHS-3-LCSD	166.7	119	71	53 - 91	1.7

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Acenaphthene	010829-8270S-LCS	50	27.59	55	31 - 137	
Acenaphthene	010829-8270S-LCSD	50	31.72	63	31 - 137	13.9
Acenaphthene	L0108210-01-MS	1670	1002	60	47 - 145	
Acenaphthene	L0108210-01-MSD	1670	950	57	47 - 145	5.3
Acenaphthylene	010829-8270S-LCS	50	29.75	60	50 - 120	
Acenaphthylene	010829-8270S-LCSD	50	32.25	65	50 - 120	8.1
Acenaphthylene	L0108210-01-MS	1670	919	55	50 - 120	
Acenaphthylene	L0108210-01-MSD	1670	848	51	50 - 120	8.
Anthracene	010829-8270S-LCS	50	32.07	64	50 - 120	
Anthracene	010829-8270S-LCSD	50	37.03	74	50 - 120	14.4
Anthracene	L0108210-01-MS	1670	1056	63	50 - 120	
Anthracene	L0108210-01-MSD	1670	1097	66	50 - 120	3.8
Aniline	010829-8270S-LCS	50	30.26	61	11 - 77	
Aniline	010829-8270S-LCSD	50	32.8	66	11 - 77	8.1
Aniline	L0108210-01-MS	1670	572	34	11 - 77	
Aniline	L0108210-01-MSD	1670	521	31	11 - 77	9.3
Azobenzene	010829-8270S-LCS	50	31.22	62	22 - 123	
Azobenzene	010829-8270S-LCSD	50	34.74	69	22 - 123	10.7
Azobenzene	L0108210-01-MS	1670	985	59	22 - 123	
Azobenzene	L0108210-01-MSD	1670	956	57	22 - 123	3.
Benzyl alcohol	010829-8270S-LCS	50	28.31	57	0 - 116	
Benzyl alcohol	010829-8270S-LCSD	50	30.54	61	0 - 116	7.6
Benzyl alcohol	L0108210-01-MS	1670	486	29	0 - 116	
Benzyl alcohol	L0108210-01-MSD	1670	655	39	0 - 116	29.6
Benzo (a) Anthracene	010829-8270S-LCS	50	31.48	63	50 - 120	
Benzo (a) Anthracene	010829-8270S-LCSD	50	36.44	73	50 - 120	14.6
Benzo (a) Anthracene	L0108210-01-MS	1670	966	58	50 - 120	
Benzo (a) Anthracene	L0108210-01-MSD	1670	983	59	50 - 120	1.7
Benzo (a) pyrene	010829-8270S-LCS	50	32.94	66	50 - 130	
Benzo (a) pyrene	010829-8270S-LCSD	50	40.01	80	50 - 130	19.4
Benzo (a) pyrene	L0108210-01-MS	1670	1003	60	50 - 130	
Benzo (a) pyrene	L0108210-01-MSD	1670	1102	66	50 - 130	9.4
Benzo (g,h,i) perylene	010829-8270S-LCS	50	33.26	67	50 - 120	
Benzo (g,h,i) perylene	010829-8270S-LCSD	50	41.49	83	50 - 120	22.
Benzo (g,h,i) perylene	L0108210-01-MS	1670	668	40	50 - 120	
Benzo (g,h,i) perylene	L0108210-01-MSD	1670	706	42	50 - 120	5.5
Benzoic Acid	010829-8270S-LCS	50	11.27	23	50 - 120	
Benzoic Acid	010829-8270S-LCSD	50	5.64	11	50 - 120	66.6

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Benzoic Acid	L0108210-01-MS	1670	614	37 J	50 - 120	
Benzoic Acid	L0108210-01-MSD	1670	568	34 JI	50 - 120	7.8
4-Bromophenyl phenyl ether	010829-8270S-LCS	50	30.29	61	50 - 120	
4-Bromophenyl phenyl ether	010829-8270S-LCSD	50	34.7	69	50 - 120	13.6
4-Bromophenyl phenyl ether	L0108210-01-MS	1670	1005	60	50 - 120	
4-Bromophenyl phenyl ether	L0108210-01-MSD	1670	992	59	50 - 120	1.3
Butyl benzyl phthalate	010829-8270S-LCS	50	34.02	68	50 - 120	
Butyl benzyl phthalate	010829-8270S-LCSD	50	38.82	78	50 - 120	13.2
Carbazole	010829-8270S-LCS	50	31.41	63	50 - 120	
Carbazole	010829-8270S-LCSD	50	35.13	70	50 - 120	11.2
Carbazole	L0108210-01-MS	1670	1062	64	50 - 120	
Carbazole	L0108210-01-MSD	1670	1084	65	50 - 120	2.1
4-Chloroaniline	010829-8270S-LCS	50	25.69	51	1 - 68	
4-Chloroaniline	010829-8270S-LCSD	50	26.03	52	1 - 68	1.3
Chrysene	010829-8270S-LCS	50	29.96	60	50 - 120	
Chrysene	010829-8270S-LCSD	50	36.9	74	50 - 120	20.8
Chrysene	L0108210-01-MS	1670	1001	60	50 - 120	
Chrysene	L0108210-01-MSD	1670	1028	62	50 - 120	2.7
bis (2-Chloroethoxy) methane	010829-8270S-LCS	50	26.73	53	26 - 97	
bis (2-Chloroethoxy) methane	010829-8270S-LCSD	50	30.19	60	26 - 97	12.2
bis (2-Chloroethoxy) methane	L0108210-01-MS	1670	842	50	26 - 97	
bis (2-Chloroethoxy) methane	L0108210-01-MSD	1670	789	47	26 - 97	6.5
bis (2-Chloroethyl) ether	010829-8270S-LCS	50	23.81	48	15 - 107	
bis (2-Chloroethyl) ether	010829-8270S-LCSD	50	28.51	57	15 - 107	18.
bis (2-Chloroethyl) ether	L0108210-01-MS	1670	891	53	15 - 107	
bis (2-Chloroethyl) ether	L0108210-01-MSD	1670	749	45	15 - 107	17.3
bis (2-chloroisopropyl) ether	010829-8270S-LCS	50	27.01	54	50 - 120	
bis (2-chloroisopropyl) ether	010829-8270S-LCSD	50	30.02	60	50 - 120	10.6
bis (2-chloroisopropyl) ether	L0108210-01-MS	1670	583.21	35 JI	50 - 120	
bis (2-chloroisopropyl) ether	L0108210-01-MSD	1670	489	29 JI	50 - 120	17.6
2-Chloronaphthalene	010829-8270S-LCS	50	28.98	58	50 - 120	
2-Chloronaphthalene	010829-8270S-LCSD	50	30.75	62	50 - 120	5.9
2-Chloronaphthalene	L0108210-01-MS	1670	913	55	50 - 120	
2-Chloronaphthalene	L0108210-01-MSD	1670	861	52	50 - 120	5.9
2-Chlorophenol	010829-8270S-LCS	50	26.44	53	25 - 102	
2-Chlorophenol	010829-8270S-LCSD	50	29.22	58	25 - 102	10.
2-Chlorophenol	L0108210-01-MS	1670	854	51	25 - 102	
2-Chlorophenol	L0108210-01-MSD	1670	766	46	25 - 102	10.9

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
4-Chloro-3-methyl phenol	010829-8270S-LCS	50	28.82	58	26 - 103	
4-Chloro-3-methyl phenol	010829-8270S-LCSD	50	33.97	68	26 - 103	16.4
4-Chloro-3-methyl phenol	L0108210-01-MS	1670	833	50	26 - 103	
4-Chloro-3-methyl phenol	L0108210-01-MSD	1670	853	51	26 - 103	2.4
4-Chlorophenyl phenyl ether	010829-8270S-LCS	50	28.62	57	50 - 120	
4-Chlorophenyl phenyl ether	010829-8270S-LCSD	50	33.37	67	50 - 120	15.3
4-Chlorophenyl phenyl ether	L0108210-01-MS	1670	723	43	50 - 120	
4-Chlorophenyl phenyl ether	L0108210-01-MSD	1670	747	45	50 - 120	3.3
Dibenz (a,h) anthracene	010829-8270S-LCS	50	32.1	64	50 - 120	
Dibenz (a,h) anthracene	010829-8270S-LCSD	50	40	80	50 - 120	21.9
Dibenzofuran	010829-8270S-LCS	50	28.04	56	50 - 120	
Dibenzofuran	010829-8270S-LCSD	50	32.12	64	50 - 120	13.6
Dibenzofuran	L0108210-01-MS	1670	845	51	50 - 120	
Dibenzofuran	L0108210-01-MSD	1670	866	52	50 - 120	2.5
1,2-Dichlorobenzene (o-DCB)	010829-8270S-LCS	50	24.42	49	42 - 93	
1,2-Dichlorobenzene (o-DCB)	010829-8270S-LCSD	50	26.89	54	42 - 93	9.6
1,2-Dichlorobenzene (o-DCB)	L0108210-01-MS	1670	850	51	42 - 93	
1,2-Dichlorobenzene (o-DCB)	L0108210-01-MSD	1670	727	44	42 - 93	15.6
1,3-Dichlorobenzene (m-DCB)	010829-8270S-LCS	50	22.52	45	41 - 89	
1,3-Dichlorobenzene (m-DCB)	010829-8270S-LCSD	50	26.34	53	41 - 89	15.6
1,3-Dichlorobenzene (m-DCB)	L0108210-01-MS	1670	817	49	41 - 89	
1,3-Dichlorobenzene (m-DCB)	L0108210-01-MSD	1670	684	41	41 - 89	17.7
1,4-Dichlorobenzene (p-DCB)	010829-8270S-LCS	50	23.72	47	42 - 93	
1,4-Dichlorobenzene (p-DCB)	010829-8270S-LCSD	50	27.62	55	42 - 93	15.2
1,4-Dichlorobenzene (p-DCB)	L0108210-01-MS	1670	822	49	42 - 93	
1,4-Dichlorobenzene (p-DCB)	L0108210-01-MSD	1670	692	41	42 - 93	17.2
3,3'-Dichlorobenzidine	010829-8270S-LCS	50	27.56	55	11 - 85	
3,3'-Dichlorobenzidine	010829-8270S-LCSD	50	32.03	64	11 - 85	15.
3,3'-Dichlorobenzidine	L0108210-01-MS	1670	647	39	11 - 85	
3,3'-Dichlorobenzidine	L0108210-01-MSD	1670	698	42	11 - 85	7.6
2,4-Dichlorophenol	010829-8270S-LCS	50	27.34	55	50 - 120	
2,4-Dichlorophenol	010829-8270S-LCSD	50	30.3	61	50 - 120	10.3
2,4-Dichlorophenol	L0108210-01-MS	1670	856	51	50 - 120	
2,4-Dichlorophenol	L0108210-01-MSD	1670	839	50	50 - 120	2.
2,4-Dimethylphenol	010829-8270S-LCS	50	25.84	52	50 - 120	
2,4-Dimethylphenol	010829-8270S-LCSD	50	29.43	59	50 - 120	13.
2,4-Dimethylphenol	L0108210-01-MS	1670	454	27	50 - 120	
2,4-Dimethylphenol	L0108210-01-MSD	1670	428	26	50 - 120	5.9

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1243
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
4,6-Dinitro-2-methyl phenol	010829-8270S-LCS	50	28.97	58	20 - 120	
4,6-Dinitro-2-methyl phenol	010829-8270S-LCSD	50	32.77	66	20 - 120	12.3
4,6-Dinitro-2-methyl phenol	L0108210-01-MS	1670	923	55	20 - 120	
4,6-Dinitro-2-methyl phenol	L0108210-01-MSD	1670	993	59	20 - 120	7.3
2,4-Dinitrophenol	010829-8270S-LCS	50	15.58	31	20 - 120	
2,4-Dinitrophenol	010829-8270S-LCSD	50	19.11	38	20 - 120	20.4
2,4-Dinitrophenol	L0108210-01-MS	1670	753	45	20 - 120	
2,4-Dinitrophenol	L0108210-01-MSD	1670	801	48	20 - 120	6.2
2,4-Dinitrotoluene (DNT)	010829-8270S-LCS	50	30.27	61	50 - 111	
2,4-Dinitrotoluene (DNT)	010829-8270S-LCSD	50	34.39	69	50 - 111	12.7
2,4-Dinitrotoluene (DNT)	L0108210-01-MS	1670	954	57	50 - 111	
2,4-Dinitrotoluene (DNT)	L0108210-01-MSD	1670	1023	61	50 - 111	7.
2,6-Dinitrotoluene (DNT)	010829-8270S-LCS	50	32.04	64	50 - 120	
2,6-Dinitrotoluene (DNT)	010829-8270S-LCSD	50	36.77	74	50 - 120	13.7
2,6-Dinitrotoluene (DNT)	L0108210-01-MS	1670	906	54	50 - 120	
2,6-Dinitrotoluene (DNT)	L0108210-01-MSD	1670	952	57	50 - 120	5.
Diethyl Phthalate	010829-8270S-LCS	50	29.21	58	50 - 120	
Diethyl Phthalate	010829-8270S-LCSD	50	37.34	75	50 - 120	24.4
Dimethyl phthalate	010829-8270S-LCS	50	30.48	61	50 - 120	
Dimethyl phthalate	010829-8270S-LCSD	50	36.03	72	50 - 120	16.7
Di-n-butyl phthalate	010829-8270S-LCS	50	33.17	66	50 - 120	
Di-n-butyl phthalate	010829-8270S-LCSD	50	38.47	77	50 - 120	14.8
Di-n-butyl phthalate	L0108210-01-MS	1670	1127	67	50 - 120	
Di-n-butyl phthalate	L0108210-01-MSD	1670	1154	69	50 - 120	2.4
Di-n-octyl phthalate	010829-8270S-LCS	50	34.59	69	50 - 120	
Di-n-octyl phthalate	010829-8270S-LCSD	50	40.92	82	50 - 120	16.8
Di-n-octyl phthalate	L0108210-01-MS	1670	1061	64	50 - 120	
Di-n-octyl phthalate	L0108210-01-MSD	1670	1118	67	50 - 120	5.2
bis (2-Ethylhexyl)phthalate	010829-8270S-LCS	50	31.6	63	50 - 120	
bis (2-Ethylhexyl)phthalate	010829-8270S-LCSD	50	37.65	75	50 - 120	17.5
bis (2-Ethylhexyl)phthalate	L0108210-01-MS	1670	1197	72	50 - 120	
bis (2-Ethylhexyl)phthalate	L0108210-01-MSD	1670	1265	76	50 - 120	5.5
Flouranthene	010829-8270S-LCS	50	32.86	66	50 - 120	
Flouranthene	010829-8270S-LCSD	50	38.55	77	50 - 120	15.9
Flourene	010829-8270S-LCS	50	29.29	59	50 - 120	
Flourene	010829-8270S-LCSD	50	34.62	69	50 - 120	16.7
Hexachlorobenzene	010829-8270S-LCS	50	31.56	63	50 - 120	
Hexachlorobenzene	010829-8270S-LCSD	50	33.36	67	50 - 120	5.5

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Hexachlorobenzene	L0108210-01-MS	1670	1022	61	50 - 120	
Hexachlorobenzene	L0108210-01-MSD	1670	1067	64	50 - 120	4.3
Hexachlorobutadiene	010829-8270S-LCS	50	24.82	50	30 - 120	
Hexachlorobutadiene	010829-8270S-LCSD	50	26.43	53	30 - 120	6.3
Hexachlorobutadiene	L0108210-01-MS	1670	584	35	30 - 120	
Hexachlorobutadiene	L0108210-01-MSD	1670	562	34	30 - 120	3.8
Hexachlorocyclopentadiene	010829-8270S-LCS	50	22.66	45	20 - 120	
Hexachlorocyclopentadiene	010829-8270S-LCSD	50	25.49	51	20 - 120	11.8
Hexachlorocyclopentadiene	L0108210-01-MS	1670	421	25	20 - 120	
Hexachlorocyclopentadiene	L0108210-01-MSD	1670	328	20	J1 20 - 120	24.8
Hexachloroethane	010829-8270S-LCS	50	21.49	43	30 - 120	
Hexachloroethane	010829-8270S-LCSD	50	27.1	54	30 - 120	23.1
Hexachloroethane	L0108210-01-MS	1670	709	42	30 - 120	
Hexachloroethane	L0108210-01-MSD	1670	549	33	R5 30 - 120	25.4
Indeno (1,2,3-c,d) pyrene	010829-8270S-LCS	50	30.82	62	50 - 120	
Indeno (1,2,3-c,d) pyrene	010829-8270S-LCSD	50	39.56	79	50 - 120	24.8
Indeno (1,2,3-c,d) pyrene	L0108210-01-MS	1670	787	47	J1 50 - 120	
Indeno (1,2,3-c,d) pyrene	L0108210-01-MSD	1670	843	50	50 - 120	6.9
Isophorone	010829-8270S-LCS	50	27.17	54	24 - 99	
Isophorone	010829-8270S-LCSD	50	29.34	59	24 - 99	7.7
Isophorone	L0108210-01-MS	1670	761	46	24 - 99	
Isophorone	L0108210-01-MSD	1670	699	42	24 - 99	8.5
2-Methylnaphthalene	010829-8270S-LCS	50	25.78	52	50 - 120	
2-Methylnaphthalene	010829-8270S-LCSD	50	28.29	57	50 - 120	9.3
2-Methylnaphthalene	L0108210-01-MS	1670	842	50	50 - 120	
2-Methylnaphthalene	L0108210-01-MSD	1670	814	49	J1 50 - 120	3.4
2-Methylphenol	010829-8270S-LCS	50	26.65	53	14 - 108	
2-Methylphenol	010829-8270S-LCSD	50	28.21	56	14 - 108	5.7
2-Methylphenol	L0108210-01-MS	1670	870	52	14 - 108	
2-Methylphenol	L0108210-01-MSD	1670	757	45	14 - 104	13.9
Naphthalene	010829-8270S-LCS	50	27.76	56	50 - 120	
Naphthalene	010829-8270S-LCSD	50	29.17	58	50 - 120	5.
Naphthalene	L0108210-01-MS	1670	792	47	J1 50 - 120	
Naphthalene	L0108210-01-MSD	1670	757	45	J1 50 - 120	4.5
2-Nitroaniline	010829-8270S-LCS	50	28.99	58	30 - 120	
2-Nitroaniline	010829-8270S-LCSD	50	34.88	70	30 - 120	18.4
2-Nitroaniline	L0108210-01-MS	1670	740	44	30 - 120	
2-Nitroaniline	L0108210-01-MSD	1670	771	46	30 - 120	4.1

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
3-Nitroaniline	010829-8270S-LCS	50	29.05	58	30 - 120	
3-Nitroaniline	010829-8270S-LCSD	50	35.72	71	30 - 120	20.6
3-Nitroaniline	L0108210-01-MS	1670	713	43	30 - 120	
3-Nitroaniline	L0108210-01-MSD	1670	823	49	30 - 120	14.3
4-Nitroaniline	010829-8270S-LCS	50	29.62	59	30 - 120	
4-Nitroaniline	010829-8270S-LCSD	50	34.24	68	30 - 120	14.5
4-Nitroaniline	L0108210-01-MS	1670	818	49	30 - 120	
4-Nitroaniline	L0108210-01-MSD	1670	877	53	30 - 120	7.
2-Nitrophenol	010829-8270S-LCS	50	25.62	51	42 - 86	
2-Nitrophenol	010829-8270S-LCSD	50	27.94	56	42 - 86	8.7
2-Nitrophenol	L0108210-01-MS	1670	780	47	42 - 86	
2-Nitrophenol	L0108210-01-MSD	1670	727	44	42 - 86	7.
4-Nitrophenol	010829-8270S-LCS	50	27.06	54	22 - 151	
4-Nitrophenol	010829-8270S-LCSD	50	36.75	74	R5 22 - 151	30.4
4-Nitrophenol	L0108210-01-MS	1670	780	47	22 - 151	
4-Nitrophenol	L0108210-01-MSD	1670	866	52	22 - 151	10.4
Nitrobenzene	010829-8270S-LCS	50	26.95	54	23 - 103	
Nitrobenzene	010829-8270S-LCSD	50	30.33	61	23 - 103	11.8
Nitrobenzene	L0108210-01-MS	1670	723	43	23 - 103	
Nitrobenzene	L0108210-01-MSD	1670	626	37	23 - 103	14.4
N-Nitrosodimethylamine	010829-8270S-LCS	50	28.38	57	9 - 97	
N-Nitrosodimethylamine	010829-8270S-LCSD	50	29.34	59	9 - 97	3.3
N-Nitrosodimethylamine	L0108210-01-MS	1670	500.6	30	9 - 97	
N-Nitrosodimethylamine	L0108210-01-MSD	1670	378	23	R5 9 - 97	27.9
N-Nitrosodiphenylamine	010829-8270S-LCS	50	31.88	64	50 - 120	
N-Nitrosodiphenylamine	010829-8270S-LCSD	50	37.39	75	50 - 120	15.9
N-Nitrosodiphenylamine	L0108210-01-MS	1670	1113	67	50 - 120	
N-Nitrosodiphenylamine	L0108210-01-MSD	1670	1111	67	50 - 120	0.2
N-Nitrosodi-n-propylamine	010829-8270S-LCS	50	25.88	52	41 - 126	
N-Nitrosodi-n-propylamine	010829-8270S-LCSD	50	31.33	63	41 - 126	19.1
N-Nitrosodi-n-propylamine	L0108210-01-MS	1670	854	51	41 - 126	
N-Nitrosodi-n-propylamine	L0108210-01-MSD	1670	787	47	41 - 126	8.2
Pentachlorophenol	010829-8270S-LCS	50	24.6	49	17 - 109	
Pentachlorophenol	010829-8270S-LCSD	50	27.93	56	17 - 109	12.7
Pentachlorophenol	L0108210-01-MS	1670	735	44	17 - 109	
Pentachlorophenol	L0108210-01-MSD	1670	886	53	17 - 109	18.6
Phenanthrene	010829-8270S-LCS	50	30.6	61	50 - 120	
Phenanthrene	010829-8270S-LCSD	50	34.14	68	50 - 120	10.9

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1243
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Phenanthrene	L0108210-01-MS	1670	1069	64	50 - 120	
Phenanthrene	L0108210-01-MSD	1670	1098	66	50 - 120	2.7
Phenol	010829-8270S-LCS	50	27.66	55	52 - 113	
Phenol	010829-8270S-LCSD	50	32.09	64	52 - 113	14.8
Phenol	L0108210-01-MS	1670	957	57	52 - 113	
Phenol	L0108210-01-MSD	1670	838	50	52 - 113	13.3
Pyrene	010829-8270S-LCS	50	30.51	61	50 - 120	
Pyrene	010829-8270S-LCSD	50	35.56	71	50 - 120	15.3
Pyrene	L0108210-01-MS	1670	923	55	50 - 120	
Pyrene	L0108210-01-MSD	1670	944	57	50 - 120	2.2
Pyridine	010829-8270S-LCS	50	20.7	41	4 - 71	
Pyridine	010829-8270S-LCSD	50	24.79	50	4 - 71	18.
Pyridine	L0108210-01-MS	1670	545	33	4 - 71	
Pyridine	L0108210-01-MSD	1670	387	23 R5	4 - 71	33.9
1,2,4-Trichlorobenzene	010829-8270S-LCS	50	26.26	53	38 - 107	
1,2,4-Trichlorobenzene	010829-8270S-LCSD	50	27.94	56	38 - 107	6.2
1,2,4-Trichlorobenzene	L0108210-01-MS	1670	765	46	38 - 107	
1,2,4-Trichlorobenzene	L0108210-01-MSD	1670	689	41	38 - 107	10.5
2,4,5-Trichlorophenol	010829-8270S-LCS	50	30.11	60	50 - 120	
2,4,5-Trichlorophenol	010829-8270S-LCSD	50	36.4	73	50 - 120	18.9
2,4,5-Trichlorophenol	L0108210-01-MS	1670	799	48 JI	50 - 120	
2,4,5-Trichlorophenol	L0108210-01-MSD	1670	818	49 JI	50 - 120	2.4
2,4,6-Trichlorophenol	010829-8270S-LCS	50	29.31	59	50 - 120	
2,4,6-Trichlorophenol	010829-8270S-LCSD	50	32.01	64	50 - 120	8.8
2,4,6-Trichlorophenol	L0108210-01-MS	1670	820	49 JI	50 - 120	
2,4,6-Trichlorophenol	L0108210-01-MSD	1670	759	45 JI	50 - 120	7.7

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada

PROJECT ID: V1243

PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992

MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Diesel Range (C12-C22)	010904TPHS-1-LCS	166.7	99	59	53 - 91	
Diesel Range (C12-C22)	010904TPHS-1-LCSD	166.7	108	65	53 - 91	8.7
Total	010904TPHS-1-LCS	166.7	99	59	53 - 91	
Total	010904TPHS-1-LCSD	166.7	108	65	53 - 91	8.7

ND - Not Detected

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SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION			
Project: CAU 387		BN Orig#: 2156		Send Report to: Marcus Dixon		MIS: 295-7761		Sampling Site: CAU 387		The samples submitted contain (check): () Hazardous () Radioactive (X) Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.	
Charge No.: C0J222D11		ASL Prog.:		Phone: 295-4001		Fax: 295-7761		() Hazardous () Radioactive (X) Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.			
Project Manager: Wayne Johnson		Turnaround: () Standard - 30 days Non-rad, 60 Days Rad, Other: Rush Preliminary by: H Days		Final report format: (X) Standard () NTS-WAC () Other:							
Phone: 295-0573		Fax: 295-7761		MIS: NTS 306							
LAB USE ONLY				ANALYSES & METHOD				SAMPLE RECEIPT INFORMATION			
Rad SGD:		Non-Rad SGD: V1243						Are all sample containers received intact (X) Yes () No			
Rad Packet:		Non-Rad Packet:						Comments:			
Client Services Representative:								Do the labels agree with this form? (X) Yes () No			
VMS these analyses be performed under a signed SOW? () YES () NO								Comments:			
If so, do analyses entered here agree with the SOW? () YES () NO () N/A								Was a Material Clearance Tag submitted? (X) Yes () No			
If not, identify the variation								Comments:			
CSR initials indicating review and approval: _____ Date: _____											
ID / DESCRIPTION		SAMPLING DATE		TIME		MATRIX		COMMENTS (Preservative, size/volume, MS/MSD, special analysis, rad matrix code, count time, etc.)			
0 029902-0-A		8/17/01		11:14		Soil		2x250 mL, 2x120 mL			
1 029902-0-B		8/17/01		11:21		Soil		2x250 mL, 2x120 mL			
2 CAU 387-TB8		8/17/01		7:02		water		1x40 mL vial			
3 CAU 387-TB9		8/17/01		7:08		water		1x40 mL vial			
4 039908-0-A		8/17/01		11:55		Soil		1x250 mL			
5 039908-0-B		8/17/01		12:00		Soil		1x250 mL			
6 039908-0-C		8/17/01		11:57		Soil		1x250 mL			
7 039908-0-D		8/17/01		12:05		Soil		1x250 mL			
8 034403-0-A		8/24/01		13:50		Soil		1x250 mL			
9 034403-0-B		8/24/01		13:46		Soil		1x250 mL			
Transfer of samples submitted for analyses								Complete for samples shipped to an OFF-SITE Subcontract Laboratory			
Sampled/Relinquished (Signature/Organization)				DATE / TIME		Received by (Signature/Organization)		DATE / TIME		Received (Courier & Tracking Info.)	
Wayne Dixon				8/21/01 7:30		CN Castaneda		8/21/01 13:00		BN Courier	
								8/21/01 13:00		Received (1st tier Subcontractor Rep)	
								8/21/01 16:00		Received (2nd tier Subcontractor Rep)	

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89031
702-657-1010 • Fax: 702-657-1577
1-888-368-3288

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1282
PROJECT NUMBER: 23081

NEL ORDER ID: L0109246

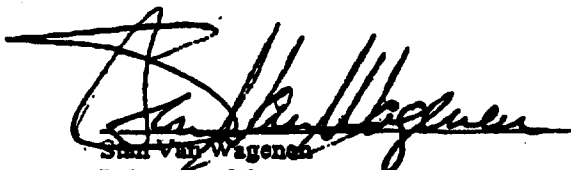
Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 9/25/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Some QA results have been flagged as follows:

- J - This concentration should be considered an estimate due laboratory control sample failure.
- II - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.


Stan Van Wagenen
Laboratory Manager

10/11/07
Date

CERTIFICATIONS:

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081

CLIENT ID: 039908-0-A
DATE SAMPLED: 9/24/01
NEL SAMPLE ID: L0109246-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 9/28/01
ANALYZED: 10/8/01
ANALYST: SKV - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethyl phthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butyl benzyl phthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenz (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethyl phthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	40	19 - 122
2-Fluorobiphenyl	56	30 - 115
2-Fluorophenol	49	25 - 121
Nitrobenzene-d5	52	23 - 120
p-Terphenyl-d14	68	18 - 137
Phenol-d6	56	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081

CLIENT ID: 039908-0-B
DATE SAMPLED: 9/24/01
NEL SAMPLE ID: L0109246-02

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 9/28/01
ANALYZED: 10/8/01
ANALYST: SKV - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethyl phthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylaniline	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butyl benzyl phthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenz (a,h) anthracene	ND	330. µg/kg	N-Nitrosodipropylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodibutylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethyl phthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	45	19 - 122
2-Fluorobiphenyl	50	30 - 115
2-Fluorophenol	47	25 - 121
Nitrobenzene-d5	48	23 - 120
1-Terphenyl-d14	67	18 - 137
Phenol-d6	51	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010928-8270S-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

ANALYST: SKV - Las Vegas Division

EXTRACTED: 9/28/01

ANALYZED: 10/8/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
bis (2-Ethylhexyl) phthalate	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
Carbazole	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Chrysene	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Pyrene	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Pyridine	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	1,2,4-Trichlorobenzene	ND	330 µg/kg
2,4-Dimethylphenol	ND	330 µg/kg	2,4,5-Trichlorophenol	ND	330 µg/kg
4,6-Dinitro-2-methyl phenol	ND	330 µg/kg	2,4,6-Trichlorophenol	ND	330 µg/kg
2,4-Dinitrotoluene (DNT)	ND	330 µg/kg			

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	27	19 - 122
2-Fluorobiphenyl	58	30 - 115
2-Fluorophenol	49	25 - 121
Nitrobenzene-d5	59	23 - 120
o-Terphenyl-d14	64	18 - 137
phenol-d6	59	24 - 113

ID - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Acenaphthene	010928-8270S-LCS	1667	1013	61	31 - 137	
Acenaphthene	010928-8270S-LCSD	1667	970.3	58	31 - 137	4.3
Acenaphthene	L0109246-02-MS	1667	1274	76	31 - 137	
Acenaphthene	L0109246-02-MSD	1667	1113	67	31 - 137	13.5
Acenaphthylene	010928-8270S-LCS	1667	1028	62	50 - 120	
Acenaphthylene	010928-8270S-LCSD	1667	970.4	58	50 - 120	5.8
Acenaphthylene	L0109246-02-MS	1667	1312	79	50 - 120	
Acenaphthylene	L0109246-02-MSD	1667	1123	67	50 - 120	15.5
Aniline	010928-8270S-LCS	1667	1206	72	11 - 77	
Aniline	010928-8270S-LCSD	1667	988.7	59	11 - 77	19.8
Aniline	L0109246-02-MS	1667	1340	80	11 - 77	
Aniline	L0109246-02-MSD	1667	1141	68	11 - 77	16.
Anthracene	010928-8270S-LCS	1667	1247	75	50 - 120	
Anthracene	010928-8270S-LCSD	1667	1164	70	50 - 120	6.9
Anthracene	L0109246-02-MS	1667	1494	90	50 - 120	
Anthracene	L0109246-02-MSD	1667	1311	79	50 - 120	13.
Azobenzene	010928-8270S-LCS	1667	1137	68	22 - 123	
Azobenzene	010928-8270S-LCSD	1667	1063	64	22 - 123	6.7
Azobenzene	L0109246-02-MS	1667	1365	82	22 - 123	
Azobenzene	L0109246-02-MSD	1667	1167	70	22 - 123	15.6
Benzo (a) Anthracene	010928-8270S-LCS	1667	1273	76	50 - 120	
Benzo (a) Anthracene	010928-8270S-LCSD	1667	1101	66	50 - 120	14.5
Benzo (a) Anthracene	L0109246-02-MS	1667	1389	83	50 - 120	
Benzo (a) Anthracene	L0109246-02-MSD	1667	1292	78	50 - 120	7.2
Benzoic Acid	010928-8270S-LCS	1667	812.3	49	50 - 120	
Benzoic Acid	010928-8270S-LCSD	1667	812.2	49	50 - 120	0.
Benzoic Acid	L0109246-02-MS	1667	944.2	57	50 - 120	
Benzoic Acid	L0109246-02-MSD	1667	919	55	50 - 120	2.7
Benzo (g,h,i) perylene	010928-8270S-LCS	1667	1140	68	50 - 120	
Benzo (g,h,i) perylene	010928-8270S-LCSD	1667	1005	60	50 - 120	12.6
Benzo (g,h,i) perylene	L0109246-02-MS	1667	1433	86	50 - 120	
Benzo (g,h,i) perylene	L0109246-02-MSD	1667	1310	79	50 - 120	9.
Benzo (a) pyrene	010928-8270S-LCS	1667	1328	80	50 - 130	
Benzo (a) pyrene	010928-8270S-LCSD	1667	1189	71	50 - 130	11.
Benzo (a) pyrene	L0109246-02-MS	1667	1466	88	50 - 130	
Benzo (a) pyrene	L0109246-02-MSD	1667	1356	81	50 - 130	7.8
Benzyl alcohol	010928-8270S-LCS	1667	990.1	59	0 - 116	
Benzyl alcohol	010928-8270S-LCSD	1667	923	55	0 - 116	7.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1282
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Benzyl alcohol	L0109246-02-MS	1667	1248	75	0 - 116	
Benzyl alcohol	L0109246-02-MSD	1667	1062	64	0 - 116	16.1
bis (2-Chloroethyl) ether	010928-8270S-LCS	1667	896.9	54	15 - 107	
bis (2-Chloroethyl) ether	010928-8270S-LCSD	1667	904.8	54	15 - 107	0.9
bis (2-Chloroethyl) ether	L0109246-02-MS	1667	1151	69	15 - 107	
bis (2-Chloroethyl) ether	L0109246-02-MSD	1667	951.23	57	15 - 107	19.
bis (2-Chloroethoxy) methane	010928-8270S-LCS	1667	978.6	59	26 - 97	
bis (2-Chloroethoxy) methane	010928-8270S-LCSD	1667	929.3	56	26 - 97	5.2
bis (2-Chloroethoxy) methane	L0109246-02-MS	1667	1193	72	26 - 97	
bis (2-Chloroethoxy) methane	L0109246-02-MSD	1667	1023	61	26 - 97	15.3
bis (2-chloroisopropyl) ether	010928-8270S-LCS	1667	940.3	56	50 - 120	
bis (2-chloroisopropyl) ether	010928-8270S-LCSD	1667	925.8	56	50 - 120	1.6
bis (2-chloroisopropyl) ether	L0109246-02-MS	1667	1169	70	50 - 120	
bis (2-chloroisopropyl) ether	L0109246-02-MSD	1667	978.1	59	50 - 120	17.8
bis (2-Ethylhexyl)phthalate	010928-8270S-LCS	1667	1335	80	50 - 120	
bis (2-Ethylhexyl)phthalate	010928-8270S-LCSD	1667	1156	69	50 - 120	14.4
bis (2-Ethylhexyl)phthalate	L0109246-02-MS	1667	1439	86	50 - 120	
bis (2-Ethylhexyl)phthalate	L0109246-02-MSD	1667	1385	83	50 - 120	3.8
Butyl benzyl phthalate	010928-8270S-LCS	1667	1312	79	50 - 120	
Butyl benzyl phthalate	010928-8270S-LCSD	1667	1155	69	50 - 120	12.7
Butyl benzyl phthalate	L0109246-02-MS	1667	1406	84	50 - 120	
Butyl benzyl phthalate	L0109246-02-MSD	1667	1334	80	50 - 120	5.3
4-Bromophenyl phenyl ether	010928-8270S-LCS	1667	1253	75	50 - 120	
4-Bromophenyl phenyl ether	010928-8270S-LCSD	1667	1147	69	50 - 120	8.8
4-Bromophenyl phenyl ether	L0109246-02-MS	1667	1497	90	50 - 120	
4-Bromophenyl phenyl ether	L0109246-02-MSD	1667	1331	80	50 - 120	11.7
4-Chloroaniline	010928-8270S-LCS	1667	793.8	48	1 - 68	
4-Chloroaniline	010928-8270S-LCSD	1667	596.6	36	1 - 68	28.4
4-Chloroaniline	L0109246-02-MS	1667	769.4	46	1 - 68	
4-Chloroaniline	L0109246-02-MSD	1667	710.2	43	1 - 68	8.
4-Chloro-3-methyl phenol	010928-8270S-LCS	1667	1114	67	26 - 103	
4-Chloro-3-methyl phenol	010928-8270S-LCSD	1667	1044	63	26 - 103	6.5
4-Chloro-3-methyl phenol	L0109246-02-MS	1667	1472	88	26 - 103	
4-Chloro-3-methyl phenol	L0109246-02-MSD	1667	1202	72	26 - 103	20.2
2-Chloronaphthalene	010928-8270S-LCS	1667	1000	60	50 - 120	
2-Chloronaphthalene	010928-8270S-LCSD	1667	1011	61	50 - 120	1.1
2-Chloronaphthalene	L0109246-02-MS	1667	1297	78	50 - 120	
2-Chloronaphthalene	L0109246-02-MSD	1667	1099	66	50 - 120	16.5

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
2-Chlorophenol	010928-8270S-LCS	1667	996.6	60	25 - 102	
2-Chlorophenol	010928-8270S-LCSD	1667	1019	61	25 - 102	2.2
2-Chlorophenol	L0109246-02-MS	1667	1303	78	25 - 102	
2-Chlorophenol	L0109246-02-MSD	1667	1124	67	25 - 102	14.8
4-Chlorophenyl phenyl ether	010928-8270S-LCS	1667	1079	65	50 - 120	
4-Chlorophenyl phenyl ether	010928-8270S-LCSD	1667	999.7	60	50 - 120	7.6
4-Chlorophenyl phenyl ether	L0109246-02-MS	1667	1399	84	50 - 120	
4-Chlorophenyl phenyl ether	L0109246-02-MSD	1667	1134	68	50 - 120	20.9
Chrysene	010928-8270S-LCS	1667	1245	75	50 - 120	
Chrysene	010928-8270S-LCSD	1667	1100	66	50 - 120	12.4
Chrysene	L0109246-02-MS	1667	1365	82	50 - 120	
Chrysene	L0109246-02-MSD	1667	1270	76	50 - 120	7.2
Dibenz (a,h) anthracene	010928-8270S-LCS	1667	1062	64	50 - 120	
Dibenz (a,h) anthracene	010928-8270S-LCSD	1667	958.1	57	50 - 120	10.3
Dibenz (a,h) anthracene	L0109246-02-MS	1667	1269	76	50 - 120	
Dibenz (a,h) anthracene	L0109246-02-MSD	1667	1168	70	50 - 120	8.3
Dibenzofuran	010928-8270S-LCS	1667	1035	62	50 - 120	
Dibenzofuran	010928-8270S-LCSD	1667	1006	60	50 - 120	2.8
Dibenzofuran	L0109246-02-MS	1667	1318	79	50 - 120	
Dibenzofuran	L0109246-02-MSD	1667	1101	66	50 - 120	17.9
Di-n-butyl phthalate	010928-8270S-LCS	1667	1302	78	50 - 120	
Di-n-butyl phthalate	010928-8270S-LCSD	1667	1165	70	50 - 120	11.1
Di-n-butyl phthalate	L0109246-02-MS	1667	1442	87	50 - 120	
Di-n-butyl phthalate	L0109246-02-MSD	1667	1303	78	50 - 120	10.1
1,2-Dichlorobenzene (o-DCB)	010928-8270S-LCS	1667	907.9	54	42 - 93	
1,2-Dichlorobenzene (o-DCB)	010928-8270S-LCSD	1667	914.2	55	42 - 93	0.7
1,2-Dichlorobenzene (o-DCB)	L0109246-02-MS	1667	1149	69	42 - 93	
1,2-Dichlorobenzene (o-DCB)	L0109246-02-MSD	1667	979.7	59	42 - 93	15.9
1,3-Dichlorobenzene (m-DCB)	010928-8270S-LCS	1667	897.3	54	41 - 89	
1,3-Dichlorobenzene (m-DCB)	010928-8270S-LCSD	1667	903.2	54	41 - 89	0.7
1,3-Dichlorobenzene (m-DCB)	L0109246-02-MS	1667	1159	70	41 - 89	
1,3-Dichlorobenzene (m-DCB)	L0109246-02-MSD	1667	954.6	57	41 - 89	19.3
1,4-Dichlorobenzene (p-DCB)	010928-8270S-LCS	1667	889.8	53	42 - 93	
1,4-Dichlorobenzene (p-DCB)	010928-8270S-LCSD	1667	902.6	54	42 - 93	1.4
1,4-Dichlorobenzene (p-DCB)	L0109246-02-MS	1667	1124	67	42 - 93	
1,4-Dichlorobenzene (p-DCB)	L0109246-02-MSD	1667	951.9	57	42 - 93	16.6
2,4-Dichlorophenol	010928-8270S-LCS	1667	1066	64	50 - 120	
2,4-Dichlorophenol	010928-8270S-LCSD	1667	1034	62	50 - 120	3.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
2,4-Dichlorophenol	L0109246-02-MS	1667	1408	84	50 - 120	
2,4-Dichlorophenol	L0109246-02-MSD	1667	1206	72	50 - 120	15.5
3,3'-Dichlorobenzidine	010928-8270S-LCS	1667	973.9	58	11 - 85	
3,3'-Dichlorobenzidine	010928-8270S-LCSD	1667	724.4	43	11 - 85	29.4
3,3'-Dichlorobenzidine	L0109246-02-MS	1667	962.4	58	11 - 85	
3,3'-Dichlorobenzidine	L0109246-02-MSD	1667	896.9	54	11 - 85	7.
Diethyl Phthalate	010928-8270S-LCS	1667	1193	72	50 - 120	
Diethyl Phthalate	010928-8270S-LCSD	1667	1071	64	50 - 120	10.8
Diethyl phthalate	L0109246-02-MS	1667	1379	83	50 - 120	
Diethyl phthalate	L0109246-02-MSD	1667	1223	73	50 - 120	12.
2,4-Dimethylphenol	010928-8270S-LCS	1667	592.2	36 J	50 - 120	
2,4-Dimethylphenol	010928-8270S-LCSD	1667	470.2	28 J	50 - 120	23.
2,4-Dimethylphenol	L0109246-02-MS	1667	1214	73	50 - 120	
2,4-Dimethylphenol	L0109246-02-MSD	1667	916	55	50 - 120	28.
Dimethyl phthalate	010928-8270S-LCS	1667	1111	67	50 - 120	
Dimethyl phthalate	010928-8270S-LCSD	1667	1073	64	50 - 120	3.5
Dimethyl phthalate	L0109246-02-MS	1667	1409	85	50 - 120	
Dimethyl phthalate	L0109246-02-MSD	1667	1162	70	50 - 120	19.2
4,6-Dinitro-2-methyl phenol	010928-8270S-LCS	1667	993.7	60	20 - 120	
4,6-Dinitro-2-methyl phenol	010928-8270S-LCSD	1667	880	53	20 - 120	12.1
4,6-Dinitro-2-methyl phenol	L0109246-02-MS	1667	849.9	51	20 - 120	
4,6-Dinitro-2-methyl phenol	L0109246-02-MSD	1667	1223	73	20 - 120	36.
2,4-Dinitrotoluene (DNT)	010928-8270S-LCS	1667	1180	71	50 - 111	
2,4-Dinitrotoluene (DNT)	010928-8270S-LCSD	1667	1056	63	50 - 111	11.1
2,4-Dinitrotoluene (DNT)	L0109246-02-MS	1667	1389	83	50 - 111	
2,4-Dinitrotoluene (DNT)	L0109246-02-MSD	1667	1196	72	50 - 111	14.9
2,6-Dinitrotoluene (DNT)	010928-8270S-LCS	1667	1096	66	50 - 120	
2,6-Dinitrotoluene (DNT)	010928-8270S-LCSD	1667	1023	61	50 - 120	6.9
2,6-Dinitrotoluene (DNT)	L0109246-02-MS	1667	1329	80	50 - 120	
2,6-Dinitrotoluene (DNT)	L0109246-02-MSD	1667	1176	71	50 - 120	12.2
2,4-Dinitrophenol	010928-8270S-LCS	1667	792.9	48	20 - 120	
2,4-Dinitrophenol	010928-8270S-LCSD	1667	750.4	45	20 - 120	5.5
2,4-Dinitrophenol	L0109246-02-MS	1667	1004	60	20 - 120	
2,4-Dinitrophenol	L0109246-02-MSD	1667	977.4	59	20 - 120	2.7
Di-n-octyl phthalate	010928-8270S-LCS	1667	1375	82	50 - 120	
Di-n-octyl phthalate	010928-8270S-LCSD	1667	1194	72	50 - 120	14.1
Di-n-octyl phthalate	L0109246-02-MS	1667	1554	93	50 - 120	
Di-n-octyl phthalate	L0109246-02-MSD	1667	1431	86	50 - 120	8.2

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1282
PROJECT #: 23081
TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RFD</u>
Flouranthene	010928-8270S-LCSD	1667	1128	68	50 - 120	11.5
Flourene	010928-8270S-LCSD	1667	1037	62	50 - 120	4.4
Hexachlorobenzene	010928-8270S-LCS	1667	1116	67	50 - 120	
Hexachlorobenzene	010928-8270S-LCSD	1667	1027	62	50 - 120	8.3
Hexachlorobenzene	L0109246-02-MS	1667	1325	79	50 - 120	
Hexachlorobenzene	L0109246-02-MSD	1667	1165	70	50 - 120	12.9
Hexachlorobutadiene	010928-8270S-LCS	1667	828.2	50	30 - 120	
Hexachlorobutadiene	010928-8270S-LCSD	1667	837.4	50	30 - 120	1.1
Hexachlorobutadiene	L0109246-02-MS	1667	1101	66	30 - 120	
Hexachlorobutadiene	L0109246-02-MSD	1667	912.5	55	30 - 120	18.7
Hexachlorocyclopentadiene	010928-8270S-LCS	1667	973.1	58	20 - 120	
Hexachlorocyclopentadiene	010928-8270S-LCSD	1667	985	59	20 - 120	1.2
Hexachlorocyclopentadiene	L0109246-02-MS	1667	1057	63	20 - 120	
Hexachlorocyclopentadiene	L0109246-02-MSD	1667	887.6	53	20 - 120	17.4
Hexachloroethane	010928-8270S-LCS	1667	923.9	55	30 - 120	
Hexachloroethane	010928-8270S-LCSD	1667	962.9	58	30 - 120	4.1
Hexachloroethane	L0109246-02-MS	1667	1222	73	30 - 120	
Hexachloroethane	L0109246-02-MSD	1667	990.7	59	30 - 120	20.9
Indeno (1,2,3-c,d) pyrene	010928-8270S-LCS	1667	1122	67	50 - 120	
Indeno (1,2,3-c,d) pyrene	010928-8270S-LCSD	1667	1009	61	50 - 120	10.6
Indeno (1,2,3-c,d) pyrene	L0109246-02-MS	1667	1350	81	50 - 120	
Indeno (1,2,3-c,d) pyrene	L0109246-02-MSD	1667	1240	74	50 - 120	8.5
Isophorone	010928-8270S-LCS	1667	935.2	56	24 - 99	
Isophorone	010928-8270S-LCSD	1667	913.3	55	24 - 99	2.4
Isophorone	L0109246-02-MS	1667	1165	70	24 - 99	
Isophorone	L0109246-02-MSD	1667	1013	61	24 - 99	14.
2-Methylnaphthalene	010928-8270S-LCS	1667	978.1	59	50 - 120	
2-Methylnaphthalene	010928-8270S-LCSD	1667	940.2	56	50 - 120	4.
2-Methylnaphthalene	L0109246-02-MS	1667	1265	76	50 - 120	
2-Methylnaphthalene	L0109246-02-MSD	1667	1075	64	50 - 120	16.2
2-Methylphenol	010928-8270S-LCS	1667	989.5	59	14 - 108	
2-Methylphenol	010928-8270S-LCSD	1667	914.6	55	14 - 108	7.9
2-Methylphenol	L0109246-02-MS	1667	1318	79	14 - 108	
2-Methylphenol	L0109246-02-MSD	1667	1102	66	14 - 108	17.9
Naphthalene	010928-8270S-LCS	1667	995.8	60	50 - 120	
Naphthalene	010928-8270S-LCSD	1667	968.1	58	50 - 120	2.8
Naphthalene	L0109246-02-MS	1667	1287	77	50 - 120	
Naphthalene	L0109246-02-MSD	1667	1073	64	50 - 120	18.1

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1282
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
2-Nitroaniline	010928-8270S-LCS	1667	1129	68	30 - 120	
2-Nitroaniline	010928-8270S-LCSD	1667	1063	64	30 - 120	6
2-Nitroaniline	L0109246-02-MS	1667	1367	82	30 - 120	
2-Nitroaniline	L0109246-02-MSD	1667	1200	72	30 - 120	13
3-Nitroaniline	010928-8270S-LCS	1667	970.5	58	30 - 120	
3-Nitroaniline	010928-8270S-LCSD	1667	804.5	48	30 - 120	18.7
3-Nitroaniline	L0109246-02-MS	1667	1049	63	30 - 120	
3-Nitroaniline	L0109246-02-MSD	1667	904.8	54	30 - 120	14.8
4-Nitroaniline	010928-8270S-LCS	1667	1174	70	30 - 120	
4-Nitroaniline	010928-8270S-LCSD	1667	1082	65	30 - 120	8.2
4-Nitroaniline	L0109246-02-MS	1667	1466	88	30 - 120	
4-Nitroaniline	L0109246-02-MSD	1667	1286	77	30 - 120	13.1
Nitrobenzene	010928-8270S-LCS	1667	958.1	57	23 - 103	
Nitrobenzene	010928-8270S-LCSD	1667	983.3	59	23 - 103	2.6
Nitrobenzene	L0109246-02-MS	1667	1275	76	23 - 103	
Nitrobenzene	L0109246-02-MSD	1667	1065	64	23 - 103	17.9
2-Nitrophenol	010928-8270S-LCS	1667	1065	64	42 - 86	
2-Nitrophenol	010928-8270S-LCSD	1667	1071	64	42 - 86	0.6
2-Nitrophenol	L0109246-02-MS	1667	1374	82	42 - 86	
2-Nitrophenol	L0109246-02-MSD	1667	1163	70	42 - 86	16.6
4-Nitrophenol	010928-8270S-LCS	1667	1174	70	22 - 151	
4-Nitrophenol	010928-8270S-LCSD	1667	1082	65	22 - 151	8.2
4-Nitrophenol	L0109246-02-MS	1667	1466	88	22 - 151	
4-Nitrophenol	L0109246-02-MSD	1667	1288	77	22 - 151	12.9
N-Nitrosodimethylamine	010928-8270S-LCS	1667	936.1	56	9 - 97	
N-Nitrosodimethylamine	010928-8270S-LCSD	1667	943.8	57	9 - 97	0.8
N-Nitrosodimethylamine	L0109246-02-MS	1667	1188	71	9 - 97	
N-Nitrosodimethylamine	L0109246-02-MSD	1667	949.6	57	9 - 97	22.3
N-Nitrosodi-n-propylamine	010928-8270S-LCS	1667	928.2	56	41 - 126	
N-Nitrosodi-n-propylamine	010928-8270S-LCSD	1667	934.6	56	41 - 126	0.7
N-Nitrosodi-n-propylamine	L0109246-02-MS	1667	1158	69	41 - 126	
N-Nitrosodi-n-propylamine	L0109246-02-MSD	1667	982.9	59	41 - 126	16.4
N-Nitrosodiphenylamine	010928-8270S-LCS	1667	1177	71	50 - 120	
N-Nitrosodiphenylamine	010928-8270S-LCSD	1667	1074	64	50 - 120	9.2
N-Nitrosodiphenylamine	L0109246-02-MS	1667	1396	84	50 - 120	
N-Nitrosodiphenylamine	L0109246-02-MSD	1667	1240	74	50 - 120	11.8
Pentachlorophenol	010928-8270S-LCS	1667	792.9	48	17 - 109	
Pentachlorophenol	010928-8270S-LCSD	1667	722.4	43	17 - 109	9.3

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1282
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Pentachlorophenol	L0109246-02-MS	1667	852.6	51	17 - 109	
Pentachlorophenol	L0109246-02-MSD	1667	1076	65	17 - 109	23.2
Phenol	010928-8270S-LCS	1667	1086	65	52 - 113	
Phenol	010928-8270S-LCSD	1667	1043	63	52 - 113	4.
Phenol	L0109246-02-MS	1667	1313	79	52 - 113	
Phenol	L0109246-02-MSD	1667	1168	70	52 - 113	11.7
Phenanthrene	010928-8270S-LCS	1667	1214	73	50 - 120	
Phenanthrene	010928-8270S-LCSD	1667	1102	66	50 - 120	9.7
Phenanthrene	L0109246-02-MS	1667	1423	85	50 - 120	
Phenanthrene	L0109246-02-MSD	1667	1256	75	50 - 120	12.5
Pyrene	010928-8270S-LCS	1667	1313	79	50 - 120	
Pyrene	010928-8270S-LCSD	1667	1146	69	50 - 120	13.6
Pyrene	L0109246-02-MS	1667	1471	88	50 - 120	
Pyrene	L0109246-02-MSD	1667	1303	78	50 - 120	12.1
Pyridine	010928-8270S-LCS	1667	706.1	42	4 - 71	
Pyridine	010928-8270S-LCSD	1667	778.5	47	4 - 71	9.8
Pyridine	L0109246-02-MS	1667	884.6	53	4 - 71	
Pyridine	L0109246-02-MSD	1667	665.4	40	4 - 71	28.3
1,2,4-Trichlorobenzene	010928-8270S-LCS	1667	962.6	58	38 - 107	
1,2,4-Trichlorobenzene	010928-8270S-LCSD	1667	961.3	58	38 - 107	0.1
1,2,4-Trichlorobenzene	L0109246-02-MS	1667	1261	76	38 - 107	
1,2,4-Trichlorobenzene	L0109246-02-MSD	1667	1050	63	38 - 107	18.3
2,4,5-Trichlorophenol	010928-8270S-LCS	1667	1177	71	50 - 120	
2,4,5-Trichlorophenol	010928-8270S-LCSD	1667	1149	69	50 - 120	2.4
2,4,5-Trichlorophenol	L0109246-02-MS	1667	1551	93	50 - 120	
2,4,5-Trichlorophenol	L0109246-02-MSD	1667	1362	82	50 - 120	13.
2,4,6-Trichlorophenol	010928-8270S-LCS	1667	1039	62	50 - 120	
2,4,6-Trichlorophenol	010928-8270S-LCSD	1667	1042	63	50 - 120	0.3
2,4,6-Trichlorophenol	L0109246-02-MS	1667	1526	92	50 - 120	
2,4,6-Trichlorophenol	L0109246-02-MSD	1667	1262	76	50 - 120	18.9

ND - Not Detected

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ANALYTICAL SERVICES LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

Page 1 of 1

PROJECT/CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION					
Project:	CAU 387	BN Orig:	2156	Send Report to:	Marcus Dixon	Phone:	702-295-4001	Fac:	702-295-7761	M/S:	NYS 306	Sampling Site:	CAU 387
Charge No.:	COJ22 D11	ASL Prog:		Turnaround:	() Standard - 30 days Non-rpt, 60 Days Rad, Other: (X) Rush Preliminary by: 14 Day	Final by:		The samples submitted contain (check): () Hazardous () Radioactive (X) Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.					
Project Manager:	Wayne Johnson	Phone:	702-295-0574	Fac:	702-295-7761	M/S:	UT 1326	Final report format: (X) Standard () NTS-WAC () Other:					
LAB USE ONLY				ANALYSES & METHOD									
Rad SGD:	Non-Rad SGD: V1282			Total Semi-Volatiles (270) By Return 7.2									
Rad Packet:	Non-Rad Packet:												
Client Services Representative:													
Will these analyses be performed under a signed SOW? () YES () NO If so, do analyses entered here agree with the SOW? () YES () NO () N/A If not, identify the variation: CSR initials indicating review and approval: _____ Date: _____													
Transfer of samples submitted for analyses				Complete for samples shipped to an OFF-SITE Subcontract Laboratory									
Sampled/Relinquished (Signature/Organization)				DATE / TIME				Received (Courier & Tracking Info.)					
Marcus Dixon				9/24/01 11:45				9/25/01 BPO BNL Courier					
Sampled/Relinquished (Signature/Organization)				DATE / TIME				Received (1st tier Subcontractor Rep)					
BML Courier				9/25/01				9/25/01					
Sampled/Relinquished (Signature/Organization)				DATE / TIME				Received (2nd tier Subcontractor Rep)					
BML Courier				9/25/01				9/25/01					

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282



CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

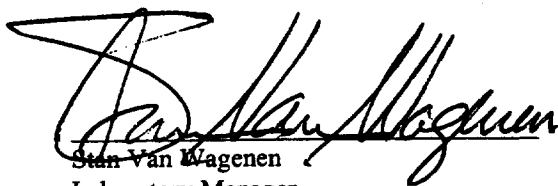
PROJECT NAME: V1236
PROJECT NUMBER: 23081

NEL ORDER ID: L0108129

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 8/14/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.


Stan Van Wagenen
Laboratory Manager

8/22/07
Date

CERTIFICATIONS:

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	<u>Reno</u>	<u>Las Vegas</u>	<u>S. California</u>
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029911-0-A
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-01

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	74	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029911-0-B
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-02

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	91	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029911-0-C
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-03

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	83	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029911-0-D
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-04

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	81	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029911-0-E
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-05

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	87	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029903-0-A
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-06

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	97	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029903-0-B
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-07

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	99	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029903-0-C
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-08

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	98	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: 029903-0-D
DATE SAMPLED: 8/10/01
NEL SAMPLE ID: L0108129-09

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	89	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010817TPHS-FP-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid

ANALYST: SKV - Las Vegas Division
EXTRACTED: 8/17/01
ANALYZED: 8/21/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	96	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1236
PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons by EPA Method 8015M, December 1996
METHOD: EPA 8015M
ORDER ID: L0108129

MATRIX: Solid

ANALYST: SKV - Las Vegas Division

CLIENT SAMPLE ID	SAMPLE DATE	NEL SAMPLE ID	RESULT mg/kg	C.R.	Reporting Limit	Surrogate Recovery*	EXTRACTED	ANALYZED
029911-0-A	8/10/01	L0108129-01	ND	ND	20. mg/kg	74 %	8/17/01	8/21/01

C.R.: Carbon Range

QUALITY CONTROL DATA (Total for Diesel Range):

Sample ID	Result	Acceptable Range	Surrogate Recovery*	Sample Number
Blank, 010817TP -BLK	ND	< 20 mg/kg	68 %	NA
LCS, 010817TPHS-1-LCS	60 %	54 - 91 %	43 %	NA
LCSD, 010817TPHS-1-LCSD	69 %	54 - 93 %	70 %	NA
MS, 010817TPHS-1-MS	56 %	34 - 110 %	87 %	L0108129-01
MSD, 010817TPHS-1-MSD	55 %	34 - 110 %	76 %	L0108129-01

* Surrogate used was Octacosane, acceptance limits 55-130%.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada

PROJECT ID: V1236

PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992

MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Diesel Range (C12-C22)	010817TPHS-FP-LCS	166.7	105	63	53 - 91	
Diesel Range (C12-C22)	010817TPHS-FP-LCSD	166.7	97	58	53 - 91	7.9
Diesel Range (C12-C22)	L0108129-01-MS	166.7	93	56	34 - 114	
Diesel Range (C12-C22)	L0108129-01-MSD	166.7	91	55	34 - 114	2.2
Total	010817TPHS-FP-LCS	166.7	105	63	53 - 91	
Total	010817TPHS-FP-LCSD	166.7	97	58	53 - 91	7.9
Total	L0108129-01-MS	166.7	93	56	34 - 114	
Total	L0108129-01-MSD	166.7	91	55	34 - 114	2.2

ND - Not Detected

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0-2-01

Level 1



ANALYTICAL SERVICES LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION			
Project: CAU 387		BN Orig: BN Orig:		Send Report to: Marcus Dixon		Sampling Site: CAU 387		The samples submitted contain (check): () Hazardous () Radioactive (X) Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.			
Charge No.: COJ 22201		ASL Prog.: ASL Prog.:		Phone: 295-4001 Fax: 295-7761		Fax: 295-7761					
Project Manager: Wayne Johnson		Turnaround: Rush Preliminary by: 14 days		Final by: Final by:		MS: NTS 306		Are all sample containers received intact (X) Yes () No Comments: Do the labels agree with this form? (X) Yes () No Comments: Was a Material Clearance Tag submitted? (X) Yes () No Comments:			
Phone: 295-0573 Fax: 295-7761		MS: NTS 306		Final report format: X Standard () NTS-WAC () Other:							
LAB USE ONLY				ANALYSES & METHOD							
Red SGD: Non-Rad SGD: V1236				TPH Full Scan (8015) PAY 17 MAY 10 19 10.21							
Red Packet: Non-Rad Packet:											
Client Services Representative:				Complete for samples shipped to an OFF-SITE Subcontract Laboratory							
Will these analyses be performed under a signed SOW? () YES () NO If so, do analyses entered here agree with the SOW? () YES () NO () N/A If not, identify the variation CSR initials indicating review and approval: Date:											
ID / DESCRIPTION	SAMPLING DATE	TIME	MATRIX	Relinquished (BN Representative Signature)							
0 029911-0-A	8/10/01	11:14	Soil	Relinquished (1st tier Subcontractor Rep)							
1 029911-0-B	8/10/01	11:25	Soil	Relinquished (2nd tier Subcontractor Rep)							
2 029911-0-C	8/10/01	11:10	Soil	Relinquished (1st tier Subcontractor Rep)							
3 029911-0-D	8/10/01	11:07	Soil	Relinquished (2nd tier Subcontractor Rep)							
4 029911-0-E	8/10/01	11:12	Soil	Relinquished (1st tier Subcontractor Rep)							
5 029903-0-A	8/10/01	14:18	Soil	Relinquished (2nd tier Subcontractor Rep)							
6 029903-0-B	8/10/01	14:21	Soil	Relinquished (1st tier Subcontractor Rep)							
7 029903-0-C	8/10/01	14:20	Soil	Relinquished (2nd tier Subcontractor Rep)							
8 029903-0-D	8/10/01	14:15	Soil	Relinquished (1st tier Subcontractor Rep)							
9 LAST ITEM				Relinquished (2nd tier Subcontractor Rep)							

Transfer of samples submitted for analyses			
Sampled/Relinquished (Signature/Organization)	DATE / TIME	Received by (Signature/Organization)	DATE / TIME
Marcus Dixon	8/10/01 11:15	CD Carabanda	8/10/01 13:00

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1249
PROJECT NUMBER: 23081

NEL ORDER ID: L0109029

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 9/5/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Some results have been flagged as follows:

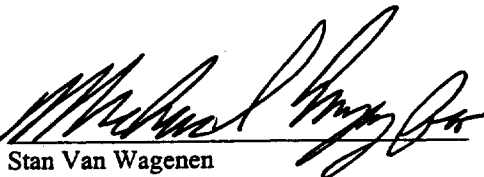
J - This concentration should be considered an estimate due laboratory control sample failure.

Some QA results have been flagged as follows:

J - This concentration should be considered an estimate due laboratory control sample failure.

J1 - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.

R5 - RPD exceeded the laboratory control limit. Recovery met acceptance criteria.


Stan Van Wagenen
Laboratory Manager

9/28/01
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 029903-0-A
DATE SAMPLED: 9/11/01
NEL SAMPLE ID: L0109029-11

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 9/13/01

ANALYZED: 9/14/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND J	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND J	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND J	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	91	19 - 122
2-Fluorobiphenyl	61	30 - 115
2-Fluorophenol	59	25 - 121
Nitrobenzene-d5	59	23 - 120
p-Terphenyl-d14	58	18 - 137
Phenol-d6	60	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 029903-0-B
DATE SAMPLED: 9/11/01
NEL SAMPLE ID: L0109029-12

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 9/13/01
ANALYZED: 9/14/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND J	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND J	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND J	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene.	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	87	19 - 122
2-Fluorobiphenyl	57	30 - 115
2-Fluorophenol	54	25 - 121
Nitrobenzene-d5	53	23 - 120
p-Terphenyl-d14	75	18 - 137
Phenol-d6	58	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 029903-0-C
DATE SAMPLED: 9/11/01
NEL SAMPLE ID: L0109029-13

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 9/13/01

ANALYZED: 9/14/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	79	19 - 122
2-Fluorobiphenyl	66	30 - 115
2-Fluorophenol	62	25 - 121
Nitrobenzene-d5	60	23 - 120
p-Terphenyl-d14	72	18 - 137
Phenol-d6	64	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 029903-0-D
DATE SAMPLED: 9/11/01
NEL SAMPLE ID: L0109029-14

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 9/13/01
ANALYZED: 9/14/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	80	19 - 122
2-Fluorobiphenyl	59	30 - 115
2-Fluorophenol	54	25 - 121
Nitrobenzene-d5	51	23 - 120
p-Terphenyl-d14	74	18 - 137
Phenol-d6	58	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010913-8270S1-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid

ANALYST: JRW - Las Vegas Division
EXTRACTED: 9/13/01
ANALYZED: 9/14/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	Diethylphthalate	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dimethylphenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Dimethylphthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	4,6-Dinitro-2-methyl phenol	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	2,4-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
bis (2-Ethylhexyl)phthalate	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Butylbenzylphthalate	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
Carbazole	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
4-Chloroaniline	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
Chrysene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
Dibenzo (a,h) anthracene	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	Pyrene	ND	330 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	57	19 - 122
2-Fluorobiphenyl	62	30 - 115
2-Fluorophenol	57	25 - 121
Nitrobenzene-d5	63	23 - 120
p-Terphenyl-d14	69	18 - 137
Phenol-d6	62	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 039908-0-A
DATE SAMPLED: 9/4/01
NEL SAMPLE ID: L0109029-06

TEST: **Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992**
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	86	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 039908-0-B
DATE SAMPLED: 9/4/01
NEL SAMPLE ID: L0109029-07

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	73	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 039908-0-C
DATE SAMPLED: 9/4/01
NEL SAMPLE ID: L0109029-08

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	22 mg/kg	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	22 mg/kg	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	105	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 039908-0-D
DATE SAMPLED: 9/4/01
NEL SAMPLE ID: L0109029-09

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	87	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: 039906-0-A
DATE SAMPLED: 9/4/01
NEL SAMPLE ID: L0109029-10

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	25 mg/kg	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	25 mg/kg	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	89	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1249
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010912TPHS-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid

ANALYST: PXC - Division
EXTRACTED: 9/12/01
ANALYZED: 9/13/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND B	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octacosane	87	54 - 130

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada

PROJECT ID: V1249

PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992

MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Diesel Range (C12-C22)	010912TPHS-LCS	166.7	120	72	53 - 91	
Diesel Range (C12-C22)	010912TPHS-LCSD	166.7	110	66	53 - 91	8.7
Diesel Range (C12-C22)	L0109029-03-MS	166.7	133	80	34 - 114	
Diesel Range (C12-C22)	L0109029-03-MSD	166.7	45	27	34 - 114	98.9
Total	010912TPHS-LCS	166.7	120	72	53 - 91	
Total	010912TPHS-LCSD	166.7	110	66	53 - 91	8.7
Total	L0109029-03-MS	166.7	133	80	34 - 114	
Total	L0109029-03-MSD	166.7	45	27	34 - 114	98.9

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Acenaphthene	010913-8270S1-LCS	50	33.34	67	31 - 137	
Acenaphthene	010913-8270S1-LCSD	50	36.58	73	31 - 137	9.3
Acenaphthene	L0109029-04-MS	1670	1049	63	47 - 145	
Acenaphthene	L0109029-04-MSD	1670	1068	64	47 - 145	1.8
Acenaphthylene	010913-8270S1-LCS	50	34.48	69	50 - 120	
Acenaphthylene	010913-8270S1-LCSD	50	39.46	79	50 - 120	13.5
Acenaphthylene	L0109029-04-MS	1670	1090	65	50 - 120	
Acenaphthylene	L0109029-04-MSD	1670	1168	70	50 - 120	6.9
Anthracene	010913-8270S1-LCS	50	35.38	71	50 - 120	
Anthracene	010913-8270S1-LCSD	50	41.43	83	50 - 120	15.8
Anthracene	L0109029-04-MS	1670	1182	71	50 - 120	
Anthracene	L0109029-04-MSD	1670	1197	72	50 - 120	1.3
Aniline	010913-8270S1-LCS	50	30.58	61	11 - 77	
Aniline	010913-8270S1-LCSD	50	34.43	69	11 - 77	11.8
Aniline	L0109029-04-MS	1670	893	53	11 - 77	
Aniline	L0109029-04-MSD	1670	970	58	11 - 77	8.3
Azobenzene	010913-8270S1-LCS	50	34.41	69	22 - 123	
Azobenzene	010913-8270S1-LCSD	50	38.82	78	22 - 123	12.
Azobenzene	L0109029-04-MS	1670	1098	66	22 - 123	
Azobenzene	L0109029-04-MSD	1670	1160	69	22 - 123	5.5
Benzyl alcohol	010913-8270S1-LCS	50	32.43	65	0 - 116	
Benzyl alcohol	010913-8270S1-LCSD	50	32.98	66	0 - 116	1.7
Benzyl alcohol	L0109029-04-MS	1670	894	54	0 - 116	
Benzyl alcohol	L0109029-04-MSD	1670	825	49	0 - 116	8.
Benzo (a) Anthracene	010913-8270S1-LCS	50	36.53	73	50 - 120	
Benzo (a) Anthracene	010913-8270S1-LCSD	50	37.9	76	50 - 120	3.7
Benzo (a) Anthracene	L0109029-04-MS	1670	1137	68	50 - 120	
Benzo (a) Anthracene	L0109029-04-MSD	1670	1135	68	50 - 120	0.2
Benzo (a) pyrene	010913-8270S1-LCS	50	38.66	77	50 - 130	
Benzo (a) pyrene	010913-8270S1-LCSD	50	43.97	88	50 - 130	12.9
Benzo (a) pyrene	L0109029-04-MS	1670	1307	78	50 - 130	
Benzo (a) pyrene	L0109029-04-MSD	1670	1285	77	50 - 130	1.7
Benzo (g,h,i) perylene	010913-8270S1-LCS	50	21.79	44 J	50 - 120	
Benzo (g,h,i) perylene	010913-8270S1-LCSD	50	24.13	48 J	50 - 120	10.2
Benzo (g,h,i) perylene	L0109029-04-MS	1670	786	47 J	50 - 120	
Benzo (g,h,i) perylene	L0109029-04-MSD	1670	792	47 J	50 - 120	0.8
Benzoic Acid	010913-8270S1-LCS	50	5.86	12 J	50 - 120	
Benzoic Acid	010913-8270S1-LCSD	50	6	12 J	50 - 120	2.4

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Benzoic Acid	L0109029-04-MS	1670	594	36 J	50 - 120	
Benzoic Acid	L0109029-04-MSD	1670	492	29 J	50 - 120	18.8
4-Bromophenyl phenyl ether	010913-8270S1-LCS	50	35.59	71	50 - 120	
4-Bromophenyl phenyl ether	010913-8270S1-LCSD	50	44.08	88	50 - 120	21.3
4-Bromophenyl phenyl ether	L0109029-04-MS	1670	1163	70	50 - 120	
4-Bromophenyl phenyl ether	L0109029-04-MSD	1670	1270	76	50 - 120	8.8
Butyl benzyl phthalate	010913-8270S1-LCS	50	36.54	73	50 - 120	
Butyl benzyl phthalate	010913-8270S1-LCSD	50	41.29	83	50 - 120	12.2
Carbazole	010913-8270S1-LCS	50	35.65	71	50 - 120	
Carbazole	010913-8270S1-LCSD	50	38.66	77	50 - 120	8.1
Carbazole	L0109029-04-MS	1670	1188	71	50 - 120	
Carbazole	L0109029-04-MSD	1670	1161	70	50 - 120	2.3
4-Chloroaniline	010913-8270S1-LCS	50	23.72	47	1 - 68	
4-Chloroaniline	010913-8270S1-LCSD	50	31.97	64 R5	1 - 68	29.6
Chrysene	010913-8270S1-LCS	50	36.79	74	50 - 120	
Chrysene	010913-8270S1-LCSD	50	38.64	77	50 - 120	4.9
Chrysene	L0109029-04-MS	1670	1138	68	50 - 120	
Chrysene	L0109029-04-MSD	1670	1091	65	50 - 120	4.2
bis (2-Chloroethoxy) methane	010913-8270S1-LCS	50	31.96	64	26 - 97	
bis (2-Chloroethoxy) methane	010913-8270S1-LCSD	50	38.19	76	26 - 97	17.8
bis (2-Chloroethoxy) methane	L0109029-04-MS	1670	975	58	26 - 97	
bis (2-Chloroethoxy) methane	L0109029-04-MSD	1670	1033	62	26 - 97	5.8
bis (2-Chloroethyl) ether	010913-8270S1-LCS	50	31.16	62	15 - 107	
bis (2-Chloroethyl) ether	010913-8270S1-LCSD	50	34.45	69	15 - 107	10.
bis (2-Chloroethyl) ether	L0109029-04-MS	1670	948	57	15 - 107	
bis (2-Chloroethyl) ether	L0109029-04-MSD	1670	1039	62	15 - 107	9.2
bis (2-chloroisopropyl) ether	010913-8270S1-LCS	50	33.95	68	50 - 120	
bis (2-chloroisopropyl) ether	010913-8270S1-LCSD	50	37.02	74	50 - 120	8.7
bis (2-chloroisopropyl) ether	L0109029-04-MS	1670	1045	63	50 - 120	
bis (2-chloroisopropyl) ether	L0109029-04-MSD	1670	1130	68	50 - 120	7.8
2-Chloronaphthalene	010913-8270S1-LCS	50	33.83	68	50 - 120	
2-Chloronaphthalene	010913-8270S1-LCSD	50	36.98	74	50 - 120	8.9
2-Chloronaphthalene	L0109029-04-MS	1670	1056	63	50 - 120	
2-Chloronaphthalene	L0109029-04-MSD	1670	1065	64	50 - 120	0.8
2-Chlorophenol	010913-8270S1-LCS	50	35.37	71	25 - 102	
2-Chlorophenol	010913-8270S1-LCSD	50	35.87	72	25 - 102	1.4
2-Chlorophenol	L0109029-04-MS	1670	1073	64	25 - 102	
2-Chlorophenol	L0109029-04-MSD	1670	1139	68	25 - 102	6.

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
4-Chloro-3-methyl phenol	010913-8270S1-LCS	50	35.59	71	26 - 103	
4-Chloro-3-methyl phenol	010913-8270S1-LCSD	50	39.23	78	26 - 103	9.7
4-Chloro-3-methyl phenol	L0109029-04-MS	1670	1124	67	26 - 103	
4-Chloro-3-methyl phenol	L0109029-04-MSD	1670	1149	69	26 - 103	2.2
4-Chlorophenyl phenyl ether	010913-8270S1-LCS	50	35.26	71	50 - 120	
4-Chlorophenyl phenyl ether	010913-8270S1-LCSD	50	38.29	77	50 - 120	8.2
4-Chlorophenyl phenyl ether	L0109029-04-MS	1670	1087	65	50 - 120	
4-Chlorophenyl phenyl ether	L0109029-04-MSD	1670	1116	67	50 - 120	2.6
Dibenz (a,h) anthracene	010913-8270S1-LCS	50	26.31	53	50 - 120	
Dibenz (a,h) anthracene	010913-8270S1-LCSD	50	29.66	59	50 - 120	12.
Dibenzofuran	010913-8270S1-LCS	50	33.67	67	50 - 120	
Dibenzofuran	010913-8270S1-LCSD	50	36.83	74	50 - 120	9.
Dibenzofuran	L0109029-04-MS	1670	1056	63	50 - 120	
Dibenzofuran	L0109029-04-MSD	1670	1127	67	50 - 120	6.5
1,2-Dichlorobenzene (o-DCB)	010913-8270S1-LCS	50	30.24	60	42 - 93	
1,2-Dichlorobenzene (o-DCB)	010913-8270S1-LCSD	50	32.28	65	42 - 93	6.5
1,2-Dichlorobenzene (o-DCB)	L0109029-04-MS	1670	906	54	42 - 93	
1,2-Dichlorobenzene (o-DCB)	L0109029-04-MSD	1670	972	58	42 - 93	7.
1,3-Dichlorobenzene (m-DCB)	010913-8270S1-LCS	50	29.58	59	41 - 89	
1,3-Dichlorobenzene (m-DCB)	010913-8270S1-LCSD	50	31.47	63	41 - 89	6.2
1,3-Dichlorobenzene (m-DCB)	L0109029-04-MS	1670	896	54	41 - 89	
1,3-Dichlorobenzene (m-DCB)	L0109029-04-MSD	1670	901	54	41 - 89	0.6
1,4-Dichlorobenzene (p-DCB)	010913-8270S1-LCS	50	29.7	59	42 - 93	
1,4-Dichlorobenzene (p-DCB)	010913-8270S1-LCSD	50	31.53	63	42 - 93	6.
1,4-Dichlorobenzene (p-DCB)	L0109029-04-MS	1670	871	52	42 - 93	
1,4-Dichlorobenzene (p-DCB)	L0109029-04-MSD	1670	976	58	42 - 93	11.4
3,3'-Dichlorobenzidine	010913-8270S1-LCS	50	30.56	61	11 - 85	
3,3'-Dichlorobenzidine	010913-8270S1-LCSD	50	35.15	70	11 - 85	14.
3,3'-Dichlorobenzidine	L0109029-04-MS	1670	989	59	11 - 85	
3,3'-Dichlorobenzidine	L0109029-04-MSD	1670	1001	60	11 - 85	1.2
2,4-Dichlorophenol	010913-8270S1-LCS	50	33.02	66	50 - 120	
2,4-Dichlorophenol	010913-8270S1-LCSD	50	37.95	76	50 - 120	13.9
2,4-Dichlorophenol	L0109029-04-MS	1670	1080	65	50 - 120	
2,4-Dichlorophenol	L0109029-04-MSD	1670	1153	69	50 - 120	6.5
2,4-Dimethylphenol	010913-8270S1-LCS	50	31.68	63	50 - 120	
2,4-Dimethylphenol	010913-8270S1-LCSD	50	35.81	72	50 - 120	12.2
2,4-Dimethylphenol	L0109029-04-MS	1670	1014	61	50 - 120	
2,4-Dimethylphenol	L0109029-04-MSD	1670	1062	64	50 - 120	4.6

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
4,6-Dinitro-2-methyl phenol	010913-8270S1-LCS	50	30.26	61	20 - 120	
4,6-Dinitro-2-methyl phenol	010913-8270S1-LCSD	50	33.19	66	20 - 120	9.2
4,6-Dinitro-2-methyl phenol	L0109029-04-MS	1670	1150	69	20 - 120	
4,6-Dinitro-2-methyl phenol	L0109029-04-MSD	1670	1134	68	20 - 120	1.4
2,4-Dinitrophenol	010913-8270S1-LCS	50	19.44	39	20 - 120	
2,4-Dinitrophenol	010913-8270S1-LCSD	50	17.1	34	20 - 120	12.8
2,4-Dinitrophenol	L0109029-04-MS	1670	824	49	20 - 120	
2,4-Dinitrophenol	L0109029-04-MSD	1670	834	50	20 - 120	1.2
2,4-Dinitrotoluene (DNT)	010913-8270S1-LCS	50	36.23	72	50 - 111	
2,4-Dinitrotoluene (DNT)	010913-8270S1-LCSD	50	39.29	79	50 - 111	8.1
2,4-Dinitrotoluene (DNT)	L0109029-04-MS	1670	1222	73	50 - 111	
2,4-Dinitrotoluene (DNT)	L0109029-04-MSD	1670	1228	74	50 - 111	0.5
2,6-Dinitrotoluene (DNT)	010913-8270S1-LCS	50	36.81	74	50 - 120	
2,6-Dinitrotoluene (DNT)	010913-8270S1-LCSD	50	40.71	81	50 - 120	10.1
2,6-Dinitrotoluene (DNT)	L0109029-04-MS	1670	1241	74	50 - 120	
2,6-Dinitrotoluene (DNT)	L0109029-04-MSD	1670	1124	67	50 - 120	9.9
Diethyl Phthalate	010913-8270S1-LCS	50	37.82	76	50 - 120	
Diethyl Phthalate	010913-8270S1-LCSD	50	39.59	79	50 - 120	4.6
Dimethyl phthalate	010913-8270S1-LCS	50	35.69	71	50 - 120	
Dimethyl phthalate	010913-8270S1-LCSD	50	40.52	81	50 - 120	12.7
Di-n-butyl phthalate	010913-8270S1-LCS	50	34.74	69	50 - 120	
Di-n-butyl phthalate	010913-8270S1-LCSD	50	39.83	80	50 - 120	13.7
Di-n-butyl phthalate	L0109029-04-MS	1670	1176	70	50 - 120	
Di-n-butyl phthalate	L0109029-04-MSD	1670	1204	72	50 - 120	2.4
Di-n-octyl phthalate	010913-8270S1-LCS	50	36.82	74	50 - 120	
Di-n-octyl phthalate	010913-8270S1-LCSD	50	42.9	86	50 - 120	15.3
Di-n-octyl phthalate	L0109029-04-MS	1670	1263	76	50 - 120	
Di-n-octyl phthalate	L0109029-04-MSD	1670	1244	74	50 - 120	1.5
Diis (2-Ethylhexyl)phthalate	010913-8270S1-LCS	50	36.67	73	50 - 120	
Diis (2-Ethylhexyl)phthalate	010913-8270S1-LCSD	50	38	76	50 - 120	3.6
Diis (2-Ethylhexyl)phthalate	L0109029-04-MS	1670	1140	68	50 - 120	
Diis (2-Ethylhexyl)phthalate	L0109029-04-MSD	1670	1142	68	50 - 120	0.2
Flouranthene	010913-8270S1-LCS	50	37.99	76	50 - 120	
Flouranthene	010913-8270S1-LCSD	50	40.23	80	50 - 120	5.7
Flourene	010913-8270S1-LCS	50	35.77	72	50 - 120	
Flourene	010913-8270S1-LCSD	50	38.95	78	50 - 120	8.5
Hexachlorobenzene	010913-8270S1-LCS	50	36.1	72	50 - 120	
Hexachlorobenzene	010913-8270S1-LCSD	50	39.75	80	50 - 120	9.6

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

PARAMETER	NEL Sample ID	Spike Amount	Spike Result	Percent Recovery	Acceptable Range	RPD
Hexachlorobenzene	L0109029-04-MS	1670	1158	69	50 - 120	
Hexachlorobenzene	L0109029-04-MSD	1670	1205	72	50 - 120	4.
Hexachlorobutadiene	010913-8270S1-LCS	50	31.9	64	30 - 120	
Hexachlorobutadiene	010913-8270S1-LCSD	50	36.43	73	30 - 120	13.3
Hexachlorobutadiene	L0109029-04-MS	1670	956	57	30 - 120	
Hexachlorobutadiene	L0109029-04-MSD	1670	1040	62	30 - 120	8.4
Hexachlorocyclopentadiene	010913-8270S1-LCS	50	21.64	43	20 - 120	
Hexachlorocyclopentadiene	010913-8270S1-LCSD	50	22.9	46	20 - 120	5.7
Hexachlorocyclopentadiene	L0109029-04-MS	1670	617	37	20 - 120	
Hexachlorocyclopentadiene	L0109029-04-MSD	1670	590	35	20 - 120	4.5
Hexachloroethane	010913-8270S1-LCS	50	28.49	57	30 - 120	
Hexachloroethane	010913-8270S1-LCSD	50	30.98	62	30 - 120	8.4
Hexachloroethane	L0109029-04-MS	1670	876	52	30 - 120	
Hexachloroethane	L0109029-04-MSD	1670	904	54	30 - 120	3.1
Indeno (1,2,3-c,d) pyrene	010913-8270S1-LCS	50	23.76	48 J	50 - 120	
Indeno (1,2,3-c,d) pyrene	010913-8270S1-LCSD	50	27.68	55	50 - 120	15.2
Indeno (1,2,3-c,d) pyrene	L0109029-04-MS	1670	862	52	50 - 120	
Indeno (1,2,3-c,d) pyrene	L0109029-04-MSD	1670	830	50 J	50 - 120	3.8
Isophorone	010913-8270S1-LCS	50	29.55	59	24 - 99	
Isophorone	010913-8270S1-LCSD	50	35.04	70	24 - 99	17.
Isophorone	L0109029-04-MS	1670	959	57	24 - 99	
Isophorone	L0109029-04-MSD	1670	946	57	24 - 99	1.4
2-Methylnaphthalene	010913-8270S1-LCS	50	30.99	62	50 - 120	
2-Methylnaphthalene	010913-8270S1-LCSD	50	35.12	70	50 - 120	12.5
2-Methylnaphthalene	L0109029-04-MS	1670	952	57	50 - 120	
2-Methylnaphthalene	L0109029-04-MSD	1670	1020	61	50 - 120	6.9
2-Methylphenol	010913-8270S1-LCS	50	31.42	63	14 - 108	
2-Methylphenol	010913-8270S1-LCSD	50	34.81	70	14 - 108	10.2
2-Methylphenol	L0109029-04-MS	1670	993	59	14 - 108	
2-Methylphenol	L0109029-04-MSD	1670	1073	64	14 - 104	7.7
Naphthalene	010913-8270S1-LCS	50	32.31	65	50 - 120	
Naphthalene	010913-8270S1-LCSD	50	35.56	71	50 - 120	9.6
Naphthalene	L0109029-04-MS	1670	991	59	50 - 120	
Naphthalene	L0109029-04-MSD	1670	1069	64	50 - 120	7.6
2-Nitroaniline	010913-8270S1-LCS	50	33.52	67	30 - 120	
2-Nitroaniline	010913-8270S1-LCSD	50	40.62	81	30 - 120	19.2
2-Nitroaniline	L0109029-04-MS	1670	1108	66	30 - 120	
2-Nitroaniline	L0109029-04-MSD	1670	1223	73	30 - 120	9.9

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
3-Nitroaniline	010913-8270S1-LCS	50	34.2	68	30 - 120	
3-Nitroaniline	010913-8270S1-LCSD	50	35.53	71	30 - 120	3.8
3-Nitroaniline	L0109029-04-MS	1670	1018	61	30 - 120	
3-Nitroaniline	L0109029-04-MSD	1670	1030	62	30 - 120	1.2
4-Nitroaniline	010913-8270S1-LCS	50	29.29	59	30 - 120	
4-Nitroaniline	010913-8270S1-LCSD	50	35.5	71	30 - 120	19.2
4-Nitroaniline	L0109029-04-MS	1670	1022	61	30 - 120	
4-Nitroaniline	L0109029-04-MSD	1670	1064	64	30 - 120	4.
2-Nitrophenol	010913-8270S1-LCS	50	34.9	70	42 - 86	
2-Nitrophenol	010913-8270S1-LCSD	50	35.34	71	42 - 86	1.3
2-Nitrophenol	L0109029-04-MS	1670	990	59	42 - 86	
2-Nitrophenol	L0109029-04-MSD	1670	1017	61	42 - 86	2.7
4-Nitrophenol	010913-8270S1-LCS	50	29.29	59	22 - 151	
4-Nitrophenol	010913-8270S1-LCSD	50	35.5	71	22 - 151	19.2
4-Nitrophenol	L0109029-04-MS	1670	1022	61	22 - 151	
4-Nitrophenol	L0109029-04-MSD	1670	1064	64	22 - 151	4.
Nitrobenzene	010913-8270S1-LCS	50	31.49	63	23 - 103	
Nitrobenzene	010913-8270S1-LCSD	50	35.94	72	23 - 103	13.2
Nitrobenzene	L0109029-04-MS	1670	998	60	23 - 103	
Nitrobenzene	L0109029-04-MSD	1670	1066	64	23 - 103	6.6
N-Nitrosodimethylamine	010913-8270S1-LCS	50	34.9	70	9 - 97	
N-Nitrosodimethylamine	010913-8270S1-LCSD	50	37.38	75	9 - 97	6.9
N-Nitrosodimethylamine	L0109029-04-MS	1670	1036	62	9 - 97	
N-Nitrosodimethylamine	L0109029-04-MSD	1670	1014	61	9 - 97	2.1
N-Nitrosodiphenylamine	010913-8270S1-LCS	50	35.99	72	50 - 120	
N-Nitrosodiphenylamine	010913-8270S1-LCSD	50	41.03	82	50 - 120	13.1
N-Nitrosodiphenylamine	L0109029-04-MS	1670	1153	69	50 - 120	
N-Nitrosodiphenylamine	L0109029-04-MSD	1670	1228	74	50 - 120	6.3
N-Nitrosodi-n-propylamine	010913-8270S1-LCS	50	34.07	68	41 - 126	
N-Nitrosodi-n-propylamine	010913-8270S1-LCSD	50	34.83	70	41 - 126	2.2
N-Nitrosodi-n-propylamine	L0109029-04-MS	1670	994	60	41 - 126	
N-Nitrosodi-n-propylamine	L0109029-04-MSD	1670	1062	64	41 - 126	6.6
Pentachlorophenol	010913-8270S1-LCS	50	26.49	53	17 - 109	
Pentachlorophenol	010913-8270S1-LCSD	50	29.89	60	17 - 109	12.1
Pentachlorophenol	L0109029-04-MS	1670	1032	62	17 - 109	
Pentachlorophenol	L0109029-04-MSD	1670	1110	66	17 - 109	7.3
Phenanthrene	010913-8270S1-LCS	50	33.71	67	50 - 120	
Phenanthrene	010913-8270S1-LCSD	50	38.7	77	50 - 120	13.8

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
 PROJECT ID: V1249
 PROJECT #: 23081
 TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
 MATRIX: Solid

<u>PARAMETER</u>	<u>NEL Sample ID</u>	<u>Spike Amount</u>	<u>Spike Result</u>	<u>Percent Recovery</u>	<u>Acceptable Range</u>	<u>RPD</u>
Phenanthrene	L0109029-04-MS	1670	1115	67	50 - 120	
Phenanthrene	L0109029-04-MSD	1670	1110	66	50 - 120	0.4
Phenol	010913-8270S1-LCS	50	35.27	71	52 - 113	
Phenol	010913-8270S1-LCSD	50	37.02	74	52 - 113	4.8
Phenol	L0109029-04-MS	1670	1080	65	52 - 113	
Phenol	L0109029-04-MSD	1670	1118	67	52 - 113	3.5
Pyrene	010913-8270S1-LCS	50	34.48	69	50 - 120	
Pyrene	010913-8270S1-LCSD	50	39.75	80	50 - 120	14.2
Pyrene	L0109029-04-MS	1670	1195	72	50 - 120	
Pyrene	L0109029-04-MSD	1670	1193	71	50 - 120	0.2
Pyridine	010913-8270S1-LCS	50	28.71	57	4 - 71	
Pyridine	010913-8270S1-LCSD	50	29.88	60	4 - 71	4.
Pyridine	L0109029-04-MS	1670	724	43	4 - 71	
Pyridine	L0109029-04-MSD	1670	826	49	4 - 71	13.2
1,2,4-Trichlorobenzene	010913-8270S1-LCS	50	30.62	61	38 - 107	
1,2,4-Trichlorobenzene	010913-8270S1-LCSD	50	35.35	71	38 - 107	14.3
1,2,4-Trichlorobenzene	L0109029-04-MS	1670	1001	60	38 - 107	
1,2,4-Trichlorobenzene	L0109029-04-MSD	1670	1005	60	38 - 107	0.4
2,4,5-Trichlorophenol	010913-8270S1-LCS	50	39.64	79	50 - 120	
2,4,5-Trichlorophenol	010913-8270S1-LCSD	50	43.81	88	50 - 120	10.
2,4,5-Trichlorophenol	L0109029-04-MS	1670	1278	77	50 - 120	
2,4,5-Trichlorophenol	L0109029-04-MSD	1670	1263	76	50 - 120	1.2
2,4,6-Trichlorophenol	010913-8270S1-LCS	50	38.72	77	50 - 120	
2,4,6-Trichlorophenol	010913-8270S1-LCSD	50	42.52	85	50 - 120	9.4
2,4,6-Trichlorophenol	L0109029-04-MS	1670	1175	70	50 - 120	
2,4,6-Trichlorophenol	L0109029-04-MSD	1670	1191	71	50 - 120	1.4

ND - Not Detected

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PROJECT/CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION																																																																																																																																	
Project: CAU 387		BN Orig#:		Send Report to: <u>Marcus Dixon</u>		Sampling Site: <u>CAU 387</u>		The samples submitted contain (check): ☐ Hazardous ☐ Radioactive ☒ Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.																																																																																																																																	
Charge No.: COJ22D11		ASL Prog#:		Phone: (702) 295-4001 Fax: (702) 295-7761 MS: NTS 306																																																																																																																																					
Project Manager: <u>Wayne Johnson</u>				Turnaround: ☒ Standard - 30 days Non-rad, 60 Days Rad, Other: <u>Final by:</u>																																																																																																																																					
Phone: (702) 295-0573		Fax: (702) 295-7761 MS: NTS 306		Final report format: ☒ Standard () NTS-WAC () Other:																																																																																																																																					
LAB USE ONLY								ANALYSES & METHOD																																																																																																																																	
Rad SGD: <u>V1249</u>		Non-Rad SGD:		Are all sample containers received intact? ☒ Yes () No Comments:				Do the labels agree with this form? ☒ Yes () No Comments:																																																																																																																																	
Rad Packet:		Non-Rad Packet:																																																																																																																																							
Client Services Representative:				Was a Material Clearance Tag submitted? ☒ Yes () No Comments:				COMMENTS (Preservative, eluate volume, MS/MSD, special analysis, rad matrix code, count time, etc.)																																																																																																																																	
Will these analyses be performed under a signed SOW? () YES () NO If so, do analyses entered here agree with the SOW? () YES () NO () N/A If not, identify the variation CSR Initials Indicating review and approval: _____ Date: _____				<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ITEM</th> <th rowspan="2">ID / DESCRIPTION</th> <th colspan="2">SAMPLING</th> <th rowspan="2">MATRIX</th> <th colspan="4">ANALYSES & METHOD</th> <th rowspan="2">COMMENTS</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>TPH Full Scan (9015)</th> <th>Total Metals (9010)</th> <th>Total Volatiles (8260)</th> <th>Total Semi-Volatiles (8270)</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>CAU 387-TB 10</td> <td>9/4/01</td> <td>9:01</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1x40mL vial</td> </tr> <tr> <td>02</td> <td>CAU 387-TB 11</td> <td>9/4/01</td> <td>9:05</td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1x40mL vial</td> </tr> <tr> <td>03</td> <td>029909-0-1</td> <td>9/4/01</td> <td>12:35</td> <td>Soil</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3x250mL, 2x120mL</td> </tr> <tr> <td>04</td> <td>029907-0-1</td> <td>9/4/01</td> <td>13:00</td> <td>Soil</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td>3x250mL, 2x120mL</td> </tr> <tr> <td>05</td> <td>039902-0-1</td> <td>9/4/01</td> <td>10:47</td> <td>Soil</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> <tr> <td>06</td> <td>039908-0-A</td> <td>9/4/01</td> <td>11:10</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> <tr> <td>07</td> <td>039908-0-B</td> <td>9/4/01</td> <td>11:12</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> <tr> <td>08</td> <td>039908-0-C</td> <td>9/4/01</td> <td>11:15</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> <tr> <td>09</td> <td>039908-0-D</td> <td>9/4/01</td> <td>11:17</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> <tr> <td>10</td> <td>039906-0-A</td> <td>9/4/01</td> <td>11:30</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>1x250mL</td> </tr> </tbody> </table>								ITEM	ID / DESCRIPTION	SAMPLING		MATRIX	ANALYSES & METHOD				COMMENTS	DATE	TIME	TPH Full Scan (9015)	Total Metals (9010)	Total Volatiles (8260)	Total Semi-Volatiles (8270)	01	CAU 387-TB 10	9/4/01	9:01	Water						1x40mL vial	02	CAU 387-TB 11	9/4/01	9:05	Water						1x40mL vial	03	029909-0-1	9/4/01	12:35	Soil	X	X	X	X		3x250mL, 2x120mL	04	029907-0-1	9/4/01	13:00	Soil	X	X	X	X		3x250mL, 2x120mL	05	039902-0-1	9/4/01	10:47	Soil	X					1x250mL	06	039908-0-A	9/4/01	11:10		X					1x250mL	07	039908-0-B	9/4/01	11:12		X					1x250mL	08	039908-0-C	9/4/01	11:15		X					1x250mL	09	039908-0-D	9/4/01	11:17		X					1x250mL	10	039906-0-A	9/4/01	11:30		X					1x250mL
ITEM	ID / DESCRIPTION	SAMPLING		MATRIX	ANALYSES & METHOD				COMMENTS																																																																																																																																
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01	CAU 387-TB 10	9/4/01	9:01	Water						1x40mL vial																																																																																																																															
02	CAU 387-TB 11	9/4/01	9:05	Water						1x40mL vial																																																																																																																															
03	029909-0-1	9/4/01	12:35	Soil	X	X	X	X		3x250mL, 2x120mL																																																																																																																															
04	029907-0-1	9/4/01	13:00	Soil	X	X	X	X		3x250mL, 2x120mL																																																																																																																															
05	039902-0-1	9/4/01	10:47	Soil	X					1x250mL																																																																																																																															
06	039908-0-A	9/4/01	11:10		X					1x250mL																																																																																																																															
07	039908-0-B	9/4/01	11:12		X					1x250mL																																																																																																																															
08	039908-0-C	9/4/01	11:15		X					1x250mL																																																																																																																															
09	039908-0-D	9/4/01	11:17		X					1x250mL																																																																																																																															
10	039906-0-A	9/4/01	11:30		X					1x250mL																																																																																																																															
Transfer of samples submitted for analyses								Complete for samples shipped to an OFF-SITE Subcontract Laboratory																																																																																																																																	
Sampled/Relinquished (Signature/Organization)				DATE / TIME				Received (Courier & Tracking Info.)																																																																																																																																	
<u>Marcus Dixon</u>				9/5/01 07:55				<u>BAI Courier</u>																																																																																																																																	
Relinquished (Signature/Organization)				DATE / TIME				Received (Courier Subcontractor Rep)																																																																																																																																	
<u>Wayne Johnson</u>				9/5/01 09:00				<u>BAI Courier</u>																																																																																																																																	
Relinquished (1st tier Subcontractor Rep)				DATE / TIME				Received (2nd tier Subcontractor Rep)																																																																																																																																	

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1271
PROJECT NUMBER: 23081

NEL ORDER ID: L0109176

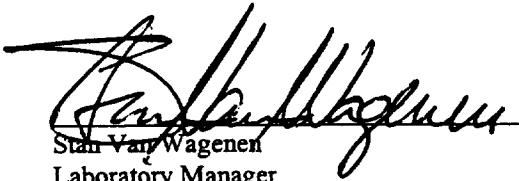
Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 9/19/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Some QA results have been flagged as follows:

- J - This concentration should be considered an estimate due laboratory control sample failure.
- J1 - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.


Stan Van Wagenen
Laboratory Manager

9/28/01
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1271
PROJECT #: 23081

CLIENT ID: 039903-0-A
DATE SAMPLED: 9/18/01
NEL SAMPLE ID: L0109176-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 9/20/01
ANALYZED: 9/22/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	48	19 - 122
2-Fluorobiphenyl	44	30 - 115
2-Fluorophenol	36	25 - 121
Nitrobenzene-d5	42	23 - 120
p-Terphenyl-d14	48	18 - 137
Phenol-d6	41	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1271
PROJECT #: 23081

CLIENT ID: 039901-0-A
DATE SAMPLED: 9/18/01
NEL SAMPLE ID: L0109176-02

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 9/20/01

ANALYZED: 9/22/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	510	330. µg/kg
Benzo (k) fluoranthene	340	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	500	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	630	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	70	19 - 122
2-Fluorobiphenyl	50	30 - 115
2-Fluorophenol	42	25 - 121
Nitrobenzene-d5	42	23 - 120
p-Terphenyl-d14	62	18 - 137
Phenol-d6	49	24 - 113

ND - Not Detected

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NEL LABORATORIES

CLIENT: Bechtel Nevada
PROJECT ID: V1271
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010920-8270S-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

ANALYST: JRW - Las Vegas Division

EXTRACTED: 9/20/01

ANALYZED: 9/22/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	Diethylphthalate	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dimethylphenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Dimethylphthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	4,6-Dinitro-2-methyl phenol	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	2,4-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
bis (2-Ethylhexyl)phthalate	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Butylbenzylphthalate	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
Carbazole	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
4-Chloroaniline	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
Chrysene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
Dibenzo (a,h) anthracene	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	Pyrene	ND	330 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	56	19 - 122
2-Fluorobiphenyl	57	30 - 115
2-Fluorophenol	53	25 - 121
Nitrobenzene-d5	57	23 - 120
p-Terphenyl-d14	61	18 - 137
Phenol-d6	55	24 - 113

ND - Not Detected

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ANALYTICAL SERVICES LABORATORY
SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT/CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION				
Project: CAU 337	BN Org#: 00522BII	ASL Prog: 702-295-4001	Send Report to: Marcus Dixon	Phone: 702-295-4001	Fax: 702-295-7761	M/S: NTS306	Sampling Site: CAU 387	The samples submitted contain (check): () Hazardous () Radioactive (X) Unknown contamination. If known, attach a brief narrative summary identifying contaminants. This information will ensure compliance with applicable regulations and allow for the safe handling of the sample materials.				
Project Manager: Wayne Johnson			Turnaround: () Standard - 30 days Non-rad, 60 Days Rad, Other: Rush Preliminary by: 14 Days			Final report format: (X) Standard () NTS-WAC () Other:			SAMPLE RECEIPT INFORMATION Are all sample containers received intact (X) Yes () No Comments: _____ Do the labels agree with this form? (X) Yes () No Comments: _____ Was a Material Clearance Tag submitted? (X) Yes () No Comments: _____			
LAB USE ONLY			ANALYSES & METHOD				COMMENTS (Preservative, size/volume, MS/MSD, special analysis, rad matrix code, count time, etc.)					
Rad SGD: 702-295-0573	Fax: 702-295-7761	M/S: NTS306	Total Sem. Vials (8270)				1 x 250 mL					
Rad Packet: 702-295-0573	Non-Rad SDG: V1271		Non-Rad Packet: 702-295-0573				1 x 250 mL					
Client Services Representative:			Will these analyses be performed under a signed SOW? () YES () NO If so, do analyses entered here agree with the SOW? () YES () NO () N/A If not, identify the variation _____ CSR initials indicating review and approval: _____ Date: _____									
ID / DESCRIPTION			SAMPLING DATE		TIME		MATRIX					
0 039903-0-A			9/19/01		9:46		soil					
1 039901-0-A			9/18/01		10:36		soil					
2												
3												
4												
5												
6												
7												
8												
9												
Transfer of samples submitted for analyses			DATE / TIME		Received by (Signature/Organization)		DATE / TIME		Received (Courier & Tracking Info.)			
Marcus Dixon			9/18/01 14:15		C. Cantanada		9/19/01/1300		BN courier			
									Relinquished (1st tier Subcontractor Rep)			
									Relinquished (2nd tier Subcontractor Rep)			

NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1221
PROJECT NUMBER: 23081

NEL ORDER ID: L0107296

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 7/30/01.

Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

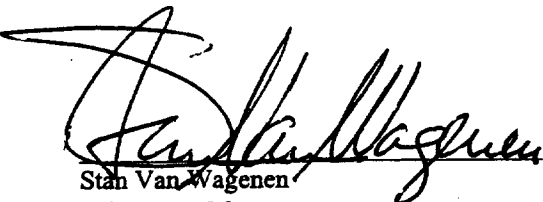
Some results have been flagged as follows:

J - This concentration should be considered an estimate due laboratory control sample failure.

Some QA results have been flagged as follows:

J - This concentration should be considered an estimate due laboratory control sample failure.

Jl - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.


Stan Van Wagenen
Laboratory Manager

8/8/01
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: 039901-0-B
DATE SAMPLED: 7/25/01
NEL SAMPLE ID: L0107296-03

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 7/31/01
ANALYZED: 7/31/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND J	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND J	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND J	330. µg/kg
2,4-Dichlorophenol	ND J	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND J	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	49	19 - 122
2-Fluorobiphenyl	50	30 - 115
2-Fluorophenol	44	25 - 121
Nitrobenzene-d5	47	23 - 120
p-Terphenyl-d14	66	18 - 137
Phenol-d6	53	24 - 113

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: 039906-0-A
DATE SAMPLED: 7/25/01
NEL SAMPLE ID: L0107296-04

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 7/31/01
ANALYZED: 7/31/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	37	19 - 122
2-Fluorobiphenyl	49	30 - 115
2-Fluorophenol	42	25 - 121
Nitrobenzene-d5	55	23 - 120
p-Terphenyl-d14	72	18 - 137
Phenol-d6	52	24 - 113

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010730-8270S-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid

ANALYST: JRW - Las Vegas Division
EXTRACTED: 7/31/01
ANALYZED: 7/30/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	Diethylphthalate	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dimethylphenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Dimethylphthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	4,6-Dinitro-2-methyl phenol	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	2,4-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
bis (2-Ethylhexyl)phthalate	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Butylbenzylphthalate	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
Carbazole	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
4-Chloroaniline	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
Chrysene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
Dibenzo (a,h) anthracene	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	Pyrene	ND	330 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Trichlorophenol	51	19 - 122
2-Fluorobiphenyl	34	30 - 115
2-Fluorophenol	36	25 - 121
Nitrobenzene-d5	37	23 - 120
p-Terphenyl-d14	44	18 - 137
Phenol-d6	38	24 - 113

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: 039903-0-A
DATE SAMPLED: 7/24/01
NEL SAMPLE ID: L0107296-01

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: CCS - Las Vegas Division
EXTRACTED: 8/3/01
ANALYZED: 8/1/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octadecane	74	54 - 130

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: 039901-0-A
DATE SAMPLED: 7/25/01
NEL SAMPLE ID: L0107296-02

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: CCS - Las Vegas Division
EXTRACTED: 8/3/01
ANALYZED: 8/1/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octadecane	65	54 - 130

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: 039901-0-B
DATE SAMPLED: 7/25/01
NEL SAMPLE ID: L0107296-03

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
DILUTION: 1

ANALYST: CCS - Las Vegas Division
EXTRACTED: 8/3/01
ANALYZED: 8/2/01

<u>PARAMETER</u>	<u>Result</u>	<u>Reporting Limit</u>
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

<u>Surrogate</u>	<u>% Recovery</u>	<u>Acceptable Range</u>
Octadecane	113	54 - 130

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010731TPHS/FP-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
ANALYST: CCS - Las Vegas Division
EXTRACTED: 8/3/01
ANALYZED: 8/1/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	72	54 - 130

ND = Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010801TPHS/FP-BLK

TEST: Total Extractable Petroleum Hydrocarbons Fuel Finger Print by EPA Method 8015M, July 1992
METHOD: EPA 8015M
MATRIX: Solid
ANALYST: CCS - Las Vegas Division
EXTRACTED: 8/3/01
ANALYZED: 8/2/01

PARAMETER	Result	Reporting Limit
Gasoline Range (C8-C12)	ND	10. mg/kg
Diesel Range (C12-C22)	ND	10. mg/kg
Oil Range (C22-C34)	ND	50. mg/kg
Total	ND	10. mg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
Octacosane	122	54 - 130

ND = Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1221
PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons by EPA Method 8015M, December 1996
METHOD: EPA 8015M
ORDER ID: L0107296

MATRIX: Solid

ANALYST: PXC - Division

CLIENT SAMPLE ID	SAMPLE DATE	NEL SAMPLE ID	RESULT mg/kg	C.R.	Reporting Limit	Surrogate Recovery*	EXTRACTED	ANALYZED
089901-0-B	7/25/01	L0107296-03	ND	ND	20. mg/kg	113 %	8/1/01	8/1/01

C.R.: Carbon Range

QUALITY CONTROL DATA (Total for Diesel Range):

Sample ID	Result	Acceptable Range	Surrogate Recovery*	Sample Number
Blank, 010801TP -BLK	ND	< 20 mg/kg	122 %	NA
ICS, 010801TPHS1-LCS	69 %	54 - 91 %	119 %	NA
LCSD, 010801TPHS1-LCSD	75 %	54 - 93 %	99 %	NA
MS, 010801TPHS1-MS	70 %	34 - 110 %	108 %	L0107296-03
MSD, 010801TPHS1-MSD	71 %	34 - 110 %	110 %	L0107296-03

* Surrogate used was Octacosane, acceptance limits 55-130%.

ND - Not Detected

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NEL LABORATORIES

Reno • Las Vegas
Phoenix • Boise

Las Vegas Division
4208 Arcata Way, Suite A • Las Vegas, Nevada 89030
702-657-1010 • Fax: 702-657-1577
1-888-368-3282

CLIENT: Bechtel Nevada
P.O. Box 98521, M/S NTS273
Las Vegas, NV 89193-8521
ATTN: Ted Redding

PROJECT NAME: V1234
PROJECT NUMBER: 23081

NEL ORDER ID: L0108079

Attached are the analytical results for samples in support of the above referenced project.

Samples submitted for this project were not sampled by NEL Laboratories. Samples were received by NEL in good condition, under chain of custody on 8/9/01.

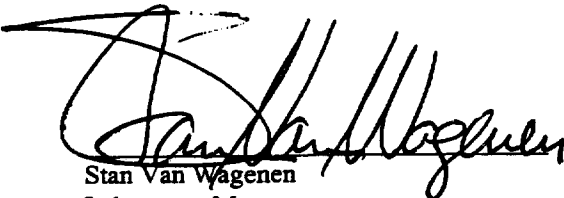
Should you have any questions or comments, please feel free to contact our Client Services department at (702) 657-1010.

Some results have been flagged as follows:

- J - This concentration should be considered an estimate due laboratory control sample failure.
- Jl - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.

Some QA results have been flagged as follows:

- J - This concentration should be considered an estimate due laboratory control sample failure.
- Jl - The batch MS and/or MSD were outside acceptance limits. The batch LCS was acceptable.



Stan Van Wagenen
Laboratory Manager

8/20/01
Date

CERTIFICATIONS:

	Reno	Las Vegas	S. California
Arizona	AZ0520	AZ0518	AZ0605
California	1707	2002	2264
US Army Corps of Engineers	Certified	Certified	

	Reno	Las Vegas	S. California
Idaho	Certified	Certified	
Montana	Certified	Certified	
Nevada	NV033	NV052	CA084
L.A.C.S.D.			10228

CLIENT: Bechtel Nevada
PROJECT ID: V1234
PROJECT #: 23081

CLIENT ID: 079903-0-A
DATE SAMPLED: 8/8/01
NEL SAMPLE ID: L0108079-01

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 8/12/01

ANALYZED: 8/15/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND JI	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND JI	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND J	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND JI	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND JI	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND JI	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND JI	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND JI	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND JI	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	90	19 - 122
2-Fluorobiphenyl	70	30 - 115
2-Fluorophenol	73	25 - 121
Nitrobenzene-d5	65	23 - 120
p-Terphenyl-d14	82	18 - 137
Phenol-d6	77	24 - 113

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1234
PROJECT #: 23081

CLIENT ID: 079903-0-B
DATE SAMPLED: 8/8/01
NEL SAMPLE ID: L0108079-02

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996
METHOD: EPA 8270
MATRIX: Solid
DILUTION: 1

EXTRACTED: 8/12/01
ANALYZED: 8/15/01
ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	88	19 - 122
2-Fluorobiphenyl	78	30 - 115
2-Fluorophenol	74	25 - 121
Nitrobenzene-d5	73	23 - 120
p-Terphenyl-d14	94	18 - 137
Phenol-d6	80	24 - 113

ND - Not Detected

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CLIENT: Bechtel Nevada
PROJECT ID: V1234
PROJECT #: 23081

CLIENT ID: 079903-0-C
DATE SAMPLED: 8/8/01
NEL SAMPLE ID: L0108079-03

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

DILUTION: 1

EXTRACTED: 8/12/01

ANALYZED: 8/15/01

ANALYST: JRW - Las Vegas Division

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330. µg/kg	Dimethylphthalate	ND	330. µg/kg
Acenaphthylene	ND	330. µg/kg	4,6-Dinitro-2-methyl phenol	ND	330. µg/kg
Aniline	ND	330. µg/kg	2,4-Dinitrotoluene (DNT)	ND	330. µg/kg
Anthracene	ND	330. µg/kg	2,6-Dinitrotoluene (DNT)	ND	330. µg/kg
Azobenzene	ND	330. µg/kg	2,4-Dinitrophenol	ND	330. µg/kg
Benzo (a) anthracene	ND	330. µg/kg	Di-n-octyl phthalate	ND	330. µg/kg
Benzo (b) fluoranthene	ND	330. µg/kg	Fluoranthene	ND	330. µg/kg
Benzo (k) fluoranthene	ND	330. µg/kg	Fluorene	ND	330. µg/kg
Benzoic Acid	ND	330. µg/kg	Hexachlorobenzene	ND	330. µg/kg
Benzo (g,h,i) perylene	ND	330. µg/kg	Hexachlorobutadiene	ND	330. µg/kg
Benzo (a) pyrene	ND	330. µg/kg	Hexachlorocyclopentadiene	ND	330. µg/kg
Benzyl alcohol	ND	330. µg/kg	Hexachloroethane	ND	330. µg/kg
bis (2-Chloroethyl) ether	ND	330. µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330. µg/kg
bis (2-Chloroethoxy) methane	ND	330. µg/kg	Isophorone	ND	330. µg/kg
bis (2-chloroisopropyl) ether	ND	330. µg/kg	2-Methylnaphthalene	ND	330. µg/kg
bis (2-Ethylhexyl)phthalate	ND	330. µg/kg	2-Methylphenol	ND	330. µg/kg
Butylbenzylphthalate	ND	330. µg/kg	3,4-Methylphenol (isomeric pair)	ND	330. µg/kg
4-Bromophenyl phenyl ether	ND	330. µg/kg	Naphthalene	ND	330. µg/kg
Carbazole	ND	330. µg/kg	2-Nitroaniline	ND	330. µg/kg
4-Chloroaniline	ND	330. µg/kg	3-Nitroaniline	ND	330. µg/kg
4-Chloro-3-methyl phenol	ND	330. µg/kg	4-Nitroaniline	ND	330. µg/kg
2-Chloronaphthalene	ND	330. µg/kg	Nitrobenzene	ND	330. µg/kg
2-Chlorophenol	ND	330. µg/kg	2-Nitrophenol	ND	330. µg/kg
4-Chlorophenyl phenyl ether	ND	330. µg/kg	4-Nitrophenol	ND	330. µg/kg
Chrysene	ND	330. µg/kg	N-Nitrosodi-n-propylamine	ND	330. µg/kg
Dibenzo (a,h) anthracene	ND	330. µg/kg	N-Nitrosodimethylamine	ND	330. µg/kg
Dibenzofuran	ND	330. µg/kg	N-Nitrosodiphenylamine	ND	330. µg/kg
Di-n-butyl phthalate	ND	330. µg/kg	Pentachlorophenol	ND	330. µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330. µg/kg	Phenol	ND	330. µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330. µg/kg	Phenanthrene	ND	330. µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330. µg/kg	Pyrene	ND	330. µg/kg
2,4-Dichlorophenol	ND	330. µg/kg	Pyridine	ND	330. µg/kg
3,3'-Dichlorobenzidine	ND	330. µg/kg	1,2,4-Trichlorobenzene	ND	330. µg/kg
Diethylphthalate	ND	330. µg/kg	2,4,5-Trichlorophenol	ND	330. µg/kg
2,4-Dimethylphenol	ND	330. µg/kg	2,4,6-Trichlorophenol	ND	330. µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	58	19 - 122
2-Fluorobiphenyl	59	30 - 115
2-Fluorophenol	58	25 - 121
Nitrobenzene-d5	60	23 - 120
p-Terphenyl-d14	75	18 - 137
Phenol-d6	64	24 - 113

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

CLIENT: Bechtel Nevada
PROJECT ID: V1234
PROJECT #: 23081

CLIENT ID: Method Blank
DATE SAMPLED: NA
NEL SAMPLE ID: 010812-8270-BLK

TEST: Semi-Volatile Organic Compounds by EPA 8270C, Dec. 1996

METHOD: EPA 8270

MATRIX: Solid

ANALYST: JRW - Las Vegas Division

EXTRACTED: 8/12/01

ANALYZED: 8/15/01

PARAMETER	Result µg/kg	Reporting Limit	PARAMETER	Result µg/kg	Reporting Limit
Acenaphthene	ND	330 µg/kg	Diethylphthalate	ND	330 µg/kg
Acenaphthylene	ND	330 µg/kg	2,4-Dimethylphenol	ND	330 µg/kg
Aniline	ND	330 µg/kg	Dimethylphthalate	ND	330 µg/kg
Anthracene	ND	330 µg/kg	4,6-Dinitro-2-methyl phenol	ND	330 µg/kg
Azobenzene	ND	330 µg/kg	2,4-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (a) anthracene	ND	330 µg/kg	2,6-Dinitrotoluene (DNT)	ND	330 µg/kg
Benzo (b) fluoranthene	ND	330 µg/kg	2,4-Dinitrophenol	ND	330 µg/kg
Benzo (k) fluoranthene	ND	330 µg/kg	Di-n-octyl phthalate	ND	330 µg/kg
Benzoic Acid	ND	330 µg/kg	Fluoranthene	ND	330 µg/kg
Benzo (g,h,i) perylene	ND	330 µg/kg	Fluorene	ND	330 µg/kg
Benzo (a) pyrene	ND	330 µg/kg	Hexachlorobenzene	ND	330 µg/kg
Benzyl alcohol	ND	330 µg/kg	Hexachlorobutadiene	ND	330 µg/kg
bis (2-Chloroethyl) ether	ND	330 µg/kg	Hexachlorocyclopentadiene	ND	330 µg/kg
bis (2-Chloroethoxy) methane	ND	330 µg/kg	Hexachloroethane	ND	330 µg/kg
bis (2-chloroisopropyl) ether	ND	330 µg/kg	Indeno (1,2,3-c,d) pyrene	ND	330 µg/kg
bis (2-Ethylhexyl)phthalate	ND	330 µg/kg	Isophorone	ND	330 µg/kg
Butylbenzylphthalate	ND	330 µg/kg	2-Methylnaphthalene	ND	330 µg/kg
4-Bromophenyl phenyl ether	ND	330 µg/kg	2-Methylphenol	ND	330 µg/kg
Carbazole	ND	330 µg/kg	3,4-Methylphenol (isomeric pair)	ND	330 µg/kg
4-Chloroaniline	ND	330 µg/kg	Naphthalene	ND	330 µg/kg
4-Chloro-3-methyl phenol	ND	330 µg/kg	2-Nitroaniline	ND	330 µg/kg
2-Chloronaphthalene	ND	330 µg/kg	3-Nitroaniline	ND	330 µg/kg
2-Chlorophenol	ND	330 µg/kg	4-Nitroaniline	ND	330 µg/kg
4-Chlorophenyl phenyl ether	ND	330 µg/kg	Nitrobenzene	ND	330 µg/kg
Chrysene	ND	330 µg/kg	2-Nitrophenol	ND	330 µg/kg
Dibenzo (a,h) anthracene	ND	330 µg/kg	4-Nitrophenol	ND	330 µg/kg
Dibenzofuran	ND	330 µg/kg	N-Nitrosodi-n-propylamine	ND	330 µg/kg
Di-n-butyl phthalate	ND	330 µg/kg	N-Nitrosodimethylamine	ND	330 µg/kg
1,2-Dichlorobenzene (o-DCB)	ND	330 µg/kg	N-Nitrosodiphenylamine	ND	330 µg/kg
1,3-Dichlorobenzene (m-DCB)	ND	330 µg/kg	Pentachlorophenol	ND	330 µg/kg
1,4-Dichlorobenzene (p-DCB)	ND	330 µg/kg	Phenol	ND	330 µg/kg
2,4-Dichlorophenol	ND	330 µg/kg	Phenanthrene	ND	330 µg/kg
3,3'-Dichlorobenzidine	ND	330 µg/kg	Pyrene	ND	330 µg/kg

QUALITY CONTROL DATA:

Surrogate	% Recovery	Acceptable Range
2,4,6-Tribromophenol	71	19 - 122
2-Fluorobiphenyl	57	30 - 115
2-Fluorophenol	55	25 - 121
Nitrobenzene-d5	51	23 - 120
p-Terphenyl-d14	84	18 - 137
Phenol-d6	56	24 - 113

ND - Not Detected

This report shall not be reproduced except in full, without the written approval of the laboratory.

CLIENT: Bechtel Nevada
 PROJECT ID: V1234
 PROJECT #: 23081

TEST: Total Extractable Petroleum Hydrocarbons by EPA Method 8015M, December 1996
 METHOD: EPA 8015M
 ORDER ID: L0108079

MATRIX: Solid

ANALYST: PXC - Division

CLIENT SAMPLE ID	SAMPLE DATE	NEL SAMPLE ID	RESULT mg/kg	C.R.	Reporting Limit	Surrogate Recovery*	EXTRACTED	ANALYZE
079903-0-A	8/8/01	L0108079-01	ND	ND	20. mg/kg	75 %	8/10/01	8/10/01
079903-0-B	8/8/01	L0108079-02	ND	ND	20. mg/kg	69 %	8/10/01	8/10/01
079903-0-C	8/8/01	L0108079-03	ND	ND	20. mg/kg	74 %	8/10/01	8/10/01

C.R.: Carbon Range

QUALITY CONTROL DATA (Total for Diesel Range):

Sample ID	Result	Acceptable Range	Surrogate Recovery*	Sample Number
Blank, 010810TP -BLK	ND	< 20 mg/kg	84 %	NA
LCS, 010810TPHS-1-LCS	70 %	54 - 91 %	66 %	NA
LCSD, 010810TPHS-1-LCSD	56 %	54 - 93 %	59 %	NA
MS, 010810TPHS-1-MS	58 %	34 - 110 %	78 %	L0108079-01
MSD, 010810TPHS-1-MSD	62 %	34 - 110 %	71 %	L0108079-01

* Surrogate used was Octacosane, acceptance limits 55-130%.

ND - Not Detected

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614122-1
2/16
6128071



ANALYTICAL SERVICES LABORATORY SERVICES REQUEST & CHAIN OF CUSTODY RECORD

PROJECT / CLIENT INFORMATION				REPORT INFORMATION				SAMPLE INFORMATION																																																																																													
Project: CAU 337		BN Orig: 2156		Send Report to: Markus Dixon		Sampling Site: CAU 387																																																																																															
Charge No.: LOJ22311		ASL Prog.:		Phone: 295-4001		Fax: 295-1761		M/S: NTS 306																																																																																													
Project Manager: Wayne Johnson		Turnaround: () Standard - 30 days Non-rad, 60 Days Rad, Other: Final by: 14 Days		Turnaround: (X) Rush Preliminary by: 14 Days																																																																																																	
Phone: 295-0573		Fax: 295-1761		M/S: NTS 306		Final report format: (X) Standard () NTS-WAC () Other:																																																																																															
LAB USE ONLY Rad SGD: <u>V1234</u> Rad Packet: <u>Non-Rad Packet:</u> Client Services Representative: Will these analyses be performed under a signed SOW? () YES () NO If so, do analyses entered here agree with the SOW? () YES () NO () N/A If not, identify the variation: CSR initials indicating review and approval: _____ Date: _____																																																																																																					
ANALYSES & METHOD <table border="1"> <thead> <tr> <th>ITEM</th> <th>ID / DESCRIPTION</th> <th>SAMPLING DATE</th> <th>TIME</th> <th>MATRIX</th> <th>TPH Full Scan (9015)</th> <th>Total Semi-Volatiles (9270)</th> <th>Residuals (9270)</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>079903-0-A</td> <td>8/3/01</td> <td>10:15</td> <td>Soil</td> <td>X</td> <td>X</td> <td></td> <td>2 x 250 mL</td> </tr> <tr> <td>02</td> <td>079903-0-B</td> <td>8/3/01</td> <td>10:21</td> <td>Soil</td> <td>X</td> <td>X</td> <td></td> <td>2 x 250 mL</td> </tr> <tr> <td>03</td> <td>079903-0-C</td> <td>8/3/01</td> <td>12:15</td> <td>Soil</td> <td>X</td> <td>X</td> <td></td> <td>2 x 250 mL</td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>9</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> COMMENTS (Preservative, size/volume, MS/MSD, special analysis, rad matrix code, count time, etc.) 2 x 250 mL 2 x 250 mL 2 x 250 mL Custody Seal Intact? (X) N None Condition when received: good Temp: 6.0												ITEM	ID / DESCRIPTION	SAMPLING DATE	TIME	MATRIX	TPH Full Scan (9015)	Total Semi-Volatiles (9270)	Residuals (9270)	Comments	01	079903-0-A	8/3/01	10:15	Soil	X	X		2 x 250 mL	02	079903-0-B	8/3/01	10:21	Soil	X	X		2 x 250 mL	03	079903-0-C	8/3/01	12:15	Soil	X	X		2 x 250 mL	4									5									6									7									8									9								
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TRANSFER OF SAMPLES SUBMITTED FOR ANALYSES <table border="1"> <thead> <tr> <th>Sampled/Relinquished (Signature/Organization)</th> <th>DATE / TIME</th> <th>Received by (Signature/Organization)</th> <th>DATE / TIME</th> <th>Received (Courier & Tracking Info.)</th> </tr> </thead> <tbody> <tr> <td>Markus Dixon</td> <td>8/9/01 11:00</td> <td>CA Custody</td> <td>8/9/01 13:00</td> <td>BAU Courier</td> </tr> <tr> <td></td> <td></td> <td></td> <td>8/9/01 14:00</td> <td>Received 1st tier Subcontractor Rep</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>Received 2nd tier Subcontractor Rep</td> </tr> </tbody> </table> Complete for samples shipped to an OFF-SITE Subcontract Laboratory ALEZ												Sampled/Relinquished (Signature/Organization)	DATE / TIME	Received by (Signature/Organization)	DATE / TIME	Received (Courier & Tracking Info.)	Markus Dixon	8/9/01 11:00	CA Custody	8/9/01 13:00	BAU Courier				8/9/01 14:00	Received 1st tier Subcontractor Rep					Received 2nd tier Subcontractor Rep																																																																						
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APPENDIX B
SECTORED HOUSEKEEPING
SITE CLOSURE VERIFICATION FORMS

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Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/17/2001

CAS Number (if applicable): 02-99-02

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-2er crater

Elevation: 1,297 meters (m)

Northing: 4,112,976.24 m (UTM Zone: 11) Latitude: 37 09.6782

Easting: 582,900.38 m (UTM Zone: 11) Longitude: 116 04.0328

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed north on the Mercury Highway to Rainier Mesa Road. Turn left (northwest) onto Rainier Mesa Road and proceed to 2-07 Road. Turn right onto the 2-07 Road (east) and continue for 2 miles to RSM 2L-20. The U-2er crater will be due south, across the road from RAD Safe Marker (RSM) 2L-20.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar, wood, metal, and rope	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/16/2001)	Housekeeping Site After Cleanup (taken 08/17/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 20, 1993. The epoxy tar and debris were removed on August 17, 2001, using shovels and a front-end loader. The material was placed into B-25 containers due to its potential to be low-level waste (LLW). The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 02-99-03 (east spill)

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-2fd crater

Elevation: 1,398 meters (m)

Northing: 4,109,171.61 m (UTM Zone: 11) Latitude: 37 07.6311

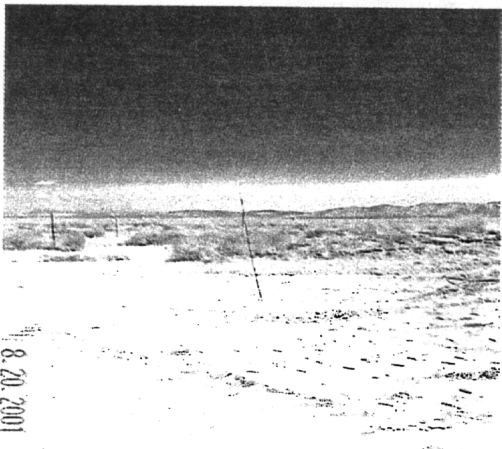
Easting: 580,914.36 m (UTM Zone: 11) Longitude: 116 05.3994

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on the Mercury Highway north to Rainier Mesa Road. Turn left (northwest) onto Rainier Mesa Road and proceed 300 feet past 2-03 Road. Turn left (west) onto the dirt road at a sign that indicates "U-2fg". Continue west on the dirt road for 0.85 mile just before a yellow optical survey box. Bear left (south) down the dirt road (toward soil piles) for another 0.3 mile to the U-2fd crater. Spills are located northwest of the U-2fd crater and southwest of two large dirt mounds.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/18/2001)	Housekeeping Site After Cleanup (taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 22, 1993. The epoxy tar was removed on August 20, 2001, using shovels and a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 02-99-03 (west spill)

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-2fd crater

Elevation: 1,398 meters (m)

Northing: 4,109,161.52 m (UTM Zone: 11) Latitude: 37 07.6258

Easting: 580,884.85 m (UTM Zone: 11) Longitude: 116 05.4194

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on the Mercury Highway north to Rainier Mesa Road. Turn left (northwest) onto Rainier Mesa Road and proceed 300 feet past 2-03 Road. Turn left (west) onto the dirt road at a sign that indicates "U-2fg". Continue west on the dirt road for 0.85 mile just before a yellow optical survey box. Bear left (south) down the dirt road (toward soil piles) for another 0.3 mile to the U-2fd crater. Spills are located northwest of the U-2fd crater and southwest of two large dirt mounds.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/18/2001)	Housekeeping Site After Cleanup (taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 22, 1993. The epoxy tar was removed on August 20, 2001, using shovels and a front-end loader, and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 02-99-04

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-2bq crater

Elevation: 1,314 meters (m)

Northing: 4,112,594.16 m (UTM Zone: 11) Latitude: 37 09.4788

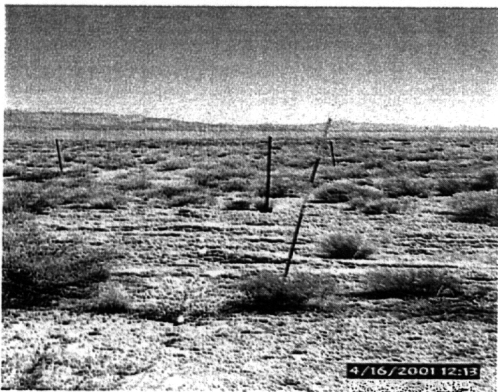
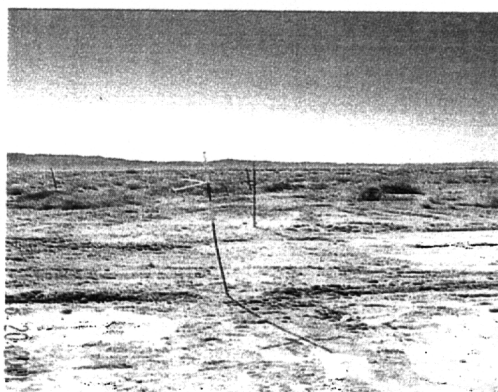
Easting: 581,529.64 m (UTM Zone: 11) Longitude: 116 04.9615

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on the Mercury Highway north to Rainier Mesa Road. Turn left (northwest) onto Rainier Mesa Road to Area 2 Camp. Turn right (east) onto the 2-07 Road and proceed for approximately 1.8 miles. Turn right (south) onto a dirt road and proceed for approximately 0.3 mile. Turn left (east) onto another dirt road to the U-2bq crater.

Waste Item(s) Originally at Site	Apparent Waste Type*
Concrete/cement, metal fence post, and wood	Industrial solid waste and ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/16/2001)	Housekeeping Site After Cleanup (taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 20, 1993. The concrete/cement and debris were removed on August 20, 2001, using a front-end loader and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/10/2001

CAS Number (if applicable): 02-99-11

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, Power Line Road

Elevation: 1,305 meters (m)

Northing: 4,113,251.49 m (UTM Zone: 11) Latitude: 37 09.8367

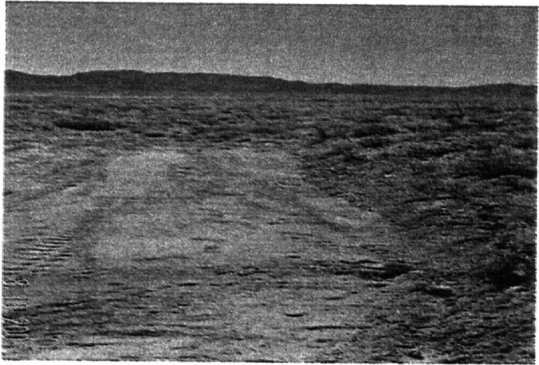
Easting: 581,064.95 m (UTM Zone: 11) Longitude: 116 05.2712

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to Rainier Mesa Road, turn left (northwest) to the 2-07 Road. Turn right (east) onto 2-07 Road and proceed approximately 0.85 mile to a power line road on the south side of 2-07 Road. Turn right (south) onto the power line road and proceed approximately 0.1 mile to the former location of the substation where a coarse gravel bed remains on the left (west) side of the road. The spill is on the east side of the road in the wash.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/16/2001)	Housekeeping Site After Cleanup (taken 08/10/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on May 10, 1994. The epoxy was removed on August 10, 2001, using shovels and a front-end loader. The material was transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 03-22-22

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3ev-1 shaft

Elevation: 1,224 meters (m)

Northing: 4,101,090.03 m (UTM Zone: 11) Latitude: 37 03.2109

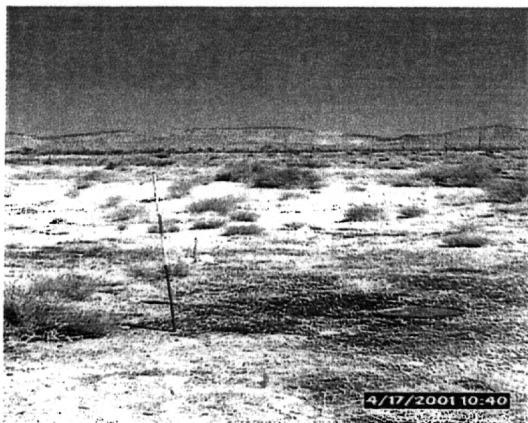
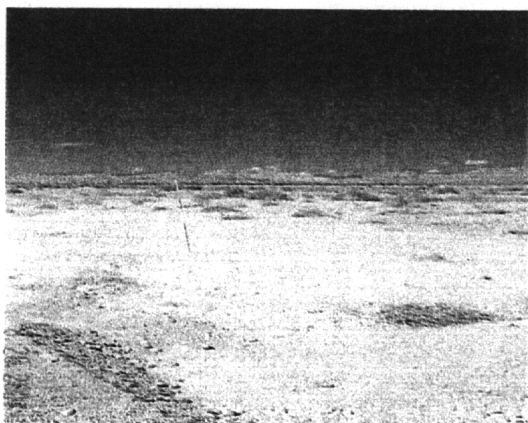
Easting: 590,011.20 m (UTM Zone: 11) Longitude: 115 59.3137

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed for 3.5 miles to U-3ev-1 shaft on the north side of the road. The spill site is located on the east side of the fence near the northeast corner of the fenced area.

Waste Item(s) Originally at Site	Apparent Waste Type*
Stained/dark soil, steel cables, drum lids, electrical box, electrical cables, bolts, and wood	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/17/2001)	Housekeeping After Cleanup (taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on August 24, 1993. The stained soil and debris were removed on August 20, 2001, using a front-end loader and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 03-44-03 (Sites "A" and "B")

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3mk crater

Elevation: 1,315 meters (m)

Northing: 4,102,639.93 m (UTM Zone: 11) Latitude: 37 04.0521

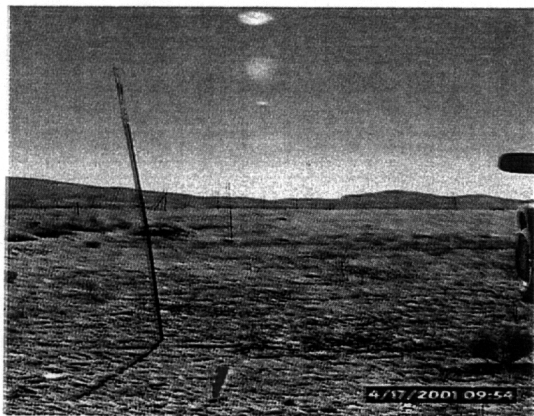
Easting: 589,482.58 m (UTM Zone: 11) Longitude: 115 59.6593

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

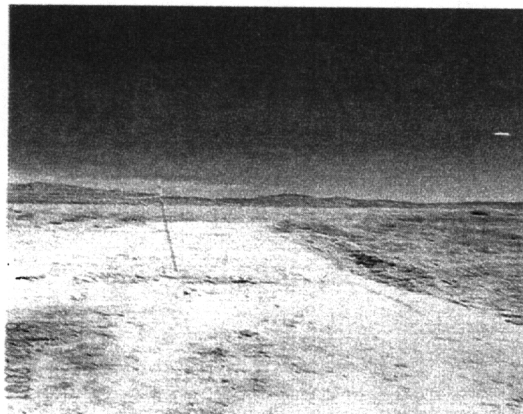
Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed to 3-05 Road. Turn left (north) on 3-05 Road and proceed approximately 1.4 miles to E-Road. Turn right (east) onto E-Road and proceed approximately 1.5 miles to a three-way fork in the road. The site is located at the northwest side of the crater (look to the right).

Waste Item(s) Originally at Site	Apparent Waste Type*
Stained soil	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/17/2001)



Housekeeping Site After Cleanup
(taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on August 11, 1993. The stained soil was removed on August 20, 2001, using a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 07/25/2001

CAS Number (if applicable): 03-99-01

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3gn crater

Elevation: 1,156 meters (m)

Northing: 4,097,559.96 m (UTM Zone: 11) Latitude: 37 01.3271

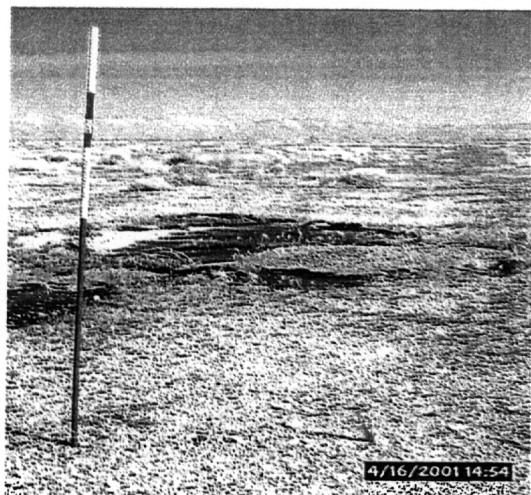
Easting: 585,506.48 m (UTM Zone: 11) Longitude: 116 02.3772

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

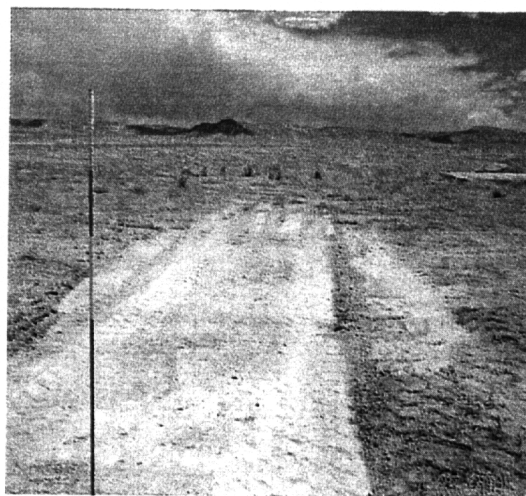
Site Access Route: Proceed on Mercury Highway north to Angle Road. Turn right (northeast) on Angle Road and proceed 0.85 mile. The spill is approximately 0.1 mile off the road (east) near the U-3gn crater.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar, metal, wood debris, and wire	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/16/2001)



Housekeeping Site After Cleanup
(taken 07/25/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 5, 1993. The epoxy tar and debris were removed on July 25, 2001, using shovels and a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 07/24/2001

CAS Number (if applicable): 03-99-03

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3gn crater

Elevation: 1,218 meters (m)

Northing: 4,097,495.64 m (UTM Zone: 11) Latitude: 37 01.2931

Easting: 585,362.42 m (UTM Zone: 11) Longitude: 116 02.4748

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

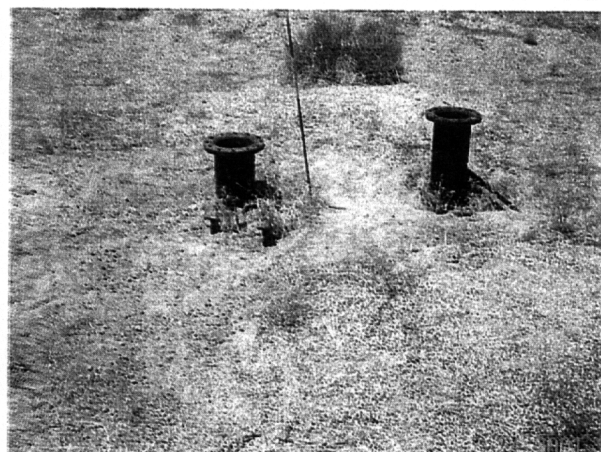
Site Access Route: Proceed on Mercury Highway north to Angle Road. Turn right (east) onto Angle Road and proceed approximately 0.8 mile. The epoxy test hole is approximately 300 feet south of the road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar, trash can lid, and empty paint can	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/16/2001)



Housekeeping Site After Cleanup
(taken 07/24/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 5, 1993. The epoxy tar and debris were removed on July 24, 2001, using shovels and a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

 X No Further Action Required at Housekeeping Site

 Marcus Dixon
Corrective Action Coordinator/Designee

 Marc Dixon
Signature

 10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 07/25/2001

CAS Number (if applicable): 03-99-06

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3kj crater

Elevation: 1,231 meters (m)

Northing: 4,097,423.25 m (UTM Zone: 11) Latitude: 37 01.2502

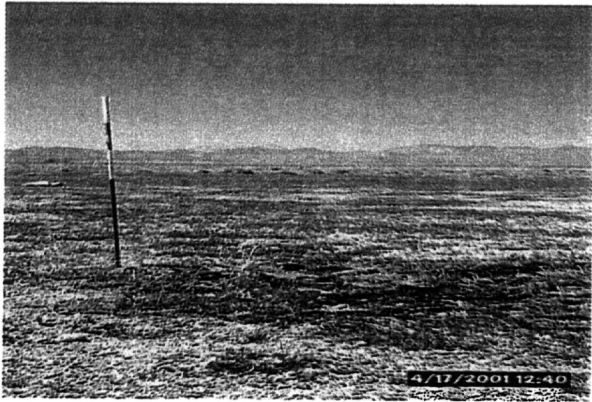
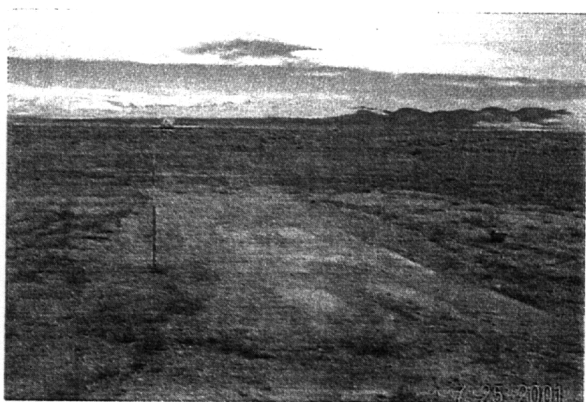
Easting: 586,048.16 m (UTM Zone: 11) Longitude: 116 02.0128

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to Angle Road. Turn right (northeast) on Angle Road and proceed to 3-08 Road. Turn right (east) on 3-08 Road and proceed for approximately 0.65 mile to a skid trail that turns to the north (left). Proceed on the trail approximately 0.1 mile north to the U-3kj crater; go around to the northwest side of the crater.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy tar	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/17/2001)	Housekeeping Site After Cleanup (taken 07/25/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on July 15, 1999. The epoxy tar was removed on July 25, 2001, using a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/17/2001

CAS Number (if applicable): 03-99-08

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3gi crater

Elevation: 1,143 meters (m)

Northing: 4,098,511.03 m (UTM Zone: 11) Latitude: 37 01.8330

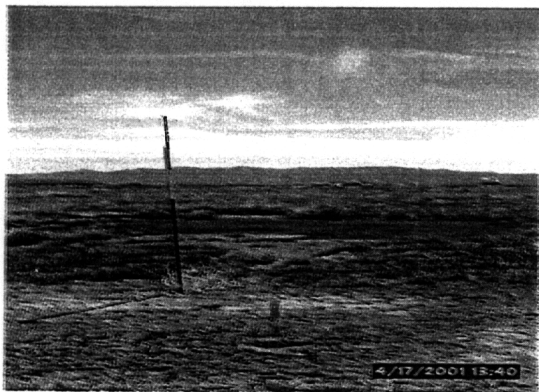
Easting: 587,038.55 m (UTM Zone: 11) Longitude: 116 01.3373

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to Angle Road. Turn right (northeast) onto Angle Road and proceed to 3-07 Road (3B Road). Turn right (east) onto 3-07 Road and proceed to 3-12 Road. Proceed straight across the intersection to dirt road for approximately 0.25 mile. Turn left (north) at skid trail. Proceed 0.2 mile between two craters; site will be found straight ahead.

Waste Item(s) Originally at Site	Apparent Waste Type*
Tar	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/17/2001)	Housekeeping Site After Cleanup (taken 08/17/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 6, 2001. The tar spill was removed on August 17, 2001, using shovels and a front-end loader. The material was placed into B-25 containers due to its potential to be low-level waste (LLW). The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/20/2001

CAS Number (if applicable): 03-99-17

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3cq crater

Elevation: 1,289 meters (m)

Northing: 4,100,978.75 m (UTM Zone: 11) Latitude: 37 03.1633

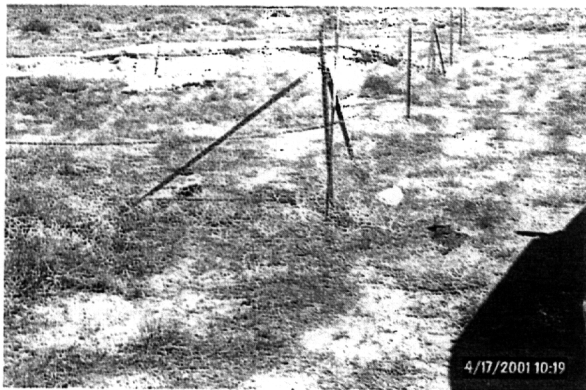
Easting: 587,795.88 m (UTM Zone: 11) Longitude: 116 00.8092

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

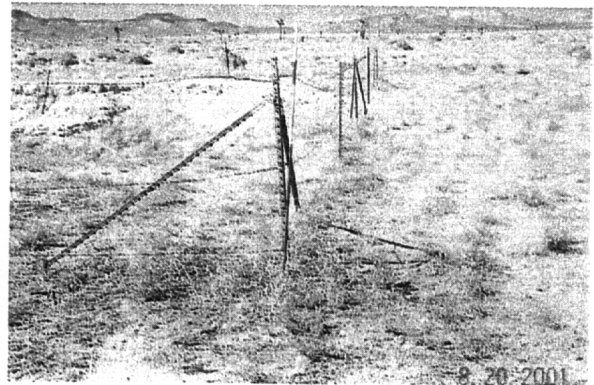
Site Access Route: Proceed north on Mercury Highway to 3-03 Road and turn right (east). Proceed on 3-03 Road to 3-05 Road. Turn left (north) on 3-05 Road and proceed 0.6 mile to "Bilby Crater U-3cn" sign. Turn right (east) onto a dirt road for 0.2 mile to another dirt road and turn right. Continue until there is a "Y" in the road and proceed straight ahead. Continue 0.7 mile along a skid trail and stay straight towards the U-3cq crater.

Waste Item(s) Originally at Site	Apparent Waste Type*
Metal and amber glass bottle	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/17/2001)



Housekeeping Site After Cleanup
(taken 08/20/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Corporation (IT) field crew in a site survey performed on October 6, 1993. The amber glass bottle and metal were removed on August 20, 2001. The liquid inside the bottle was sent to a lab; no constituents of concern were present. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/17/2001

CAS Number (if applicable): 03-99-18

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-3as crater

Elevation: 1,243 meters (m)

Northing: 4,100,271.38 m (UTM Zone: 11) Latitude: 37 02.7928

Easting: 585,622.43 m (UTM Zone: 11) Longitude: 116 02.2805

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

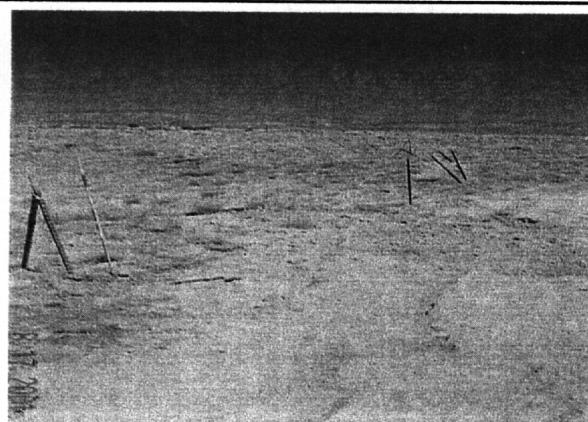
Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed approximately 0.8 mile to a dirt road on the south side of road. Turn south on the dirt road; U-3as crater will be on the east side of the road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Cement/concrete	Industrial solid waste

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/17/2001)



Housekeeping Site After Cleanup
(taken 08/17/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on February 14, 1995. The cement/concrete spill was removed on August 17, 2001, using a back hoe and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/21/2001

CAS Number (if applicable): 04-44-01

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-4as cellar

Elevation: 1,354 meters (m)

Northing: 3,996,463.24 m (UTM Zone: 11) Latitude: 36 06.6825

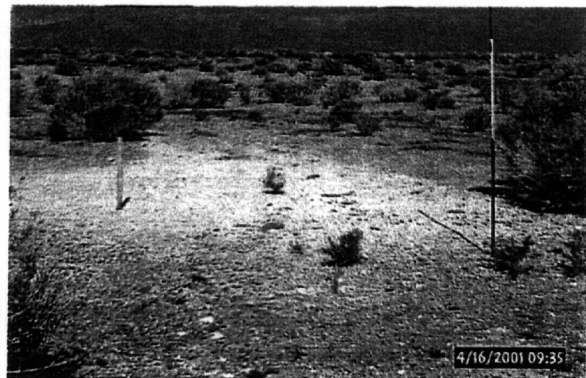
Easting: 579,162.99 m (UTM Zone: 11) Longitude: 116 07.2786

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

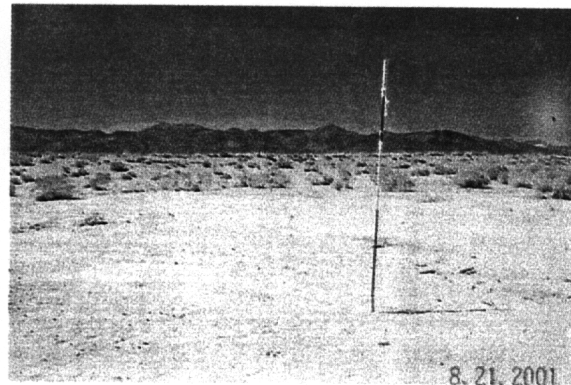
Site Access Route: Proceed on Mercury Highway north, turn left (northwest) on Rainier Mesa Road. Turn left (west) on 4-04 Road and follow to Orange Road. Turn right (north) on Orange Road and proceed 1.25 miles (between RAD Safe Marker [RSM] 0-49 and 0-50). Turn left (southwest) and proceed 0.1 mile to the U-4as cellar. CAS 04-44-01 is due west of the U-4as sign.

Waste Item(s) Originally at Site	Apparent Waste Type*
Cement/grout, wire, rope, and wood	Industrial solid waste and ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/16/2001)



Housekeeping Site After Cleanup
(taken 08/21/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on August 31, 1993. The cement/grout spill and debris were removed on August 21, 2001, using a front-end loader and transported the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/21/2001

CAS Number (if applicable): 04-44-03

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-4at crater

Elevation: 1,264 meters (m)

Northing: 4,107,086.74 m (UTM Zone: 11) Latitude: 37 06.5179

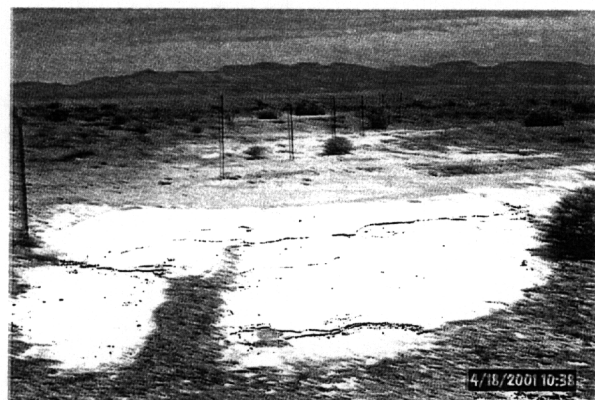
Easting: 578,105.54 m (UTM Zone: 11) Longitude: 116 07.3095

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

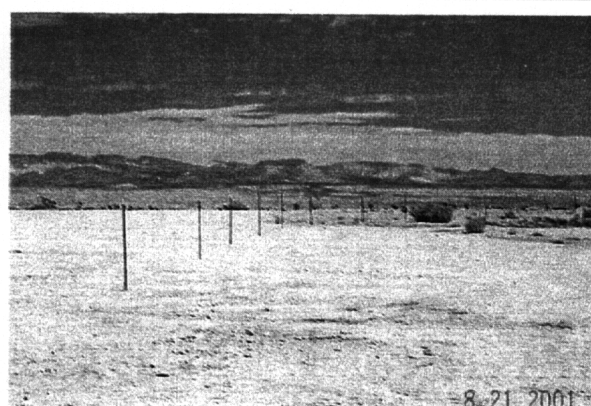
Site Access Route: Take Mercury Highway north, turn left (northwest) on the Rainier Mesa Road. Turn left (west) on the 4-04 Road and continue to the "T" intersection at the Orange Road. Turn right (north) and proceed 0.85 mile to the U-4at crater. The site is located on the northwest corner of Crater U-4at.

Waste Item(s) Originally at Site	Apparent Waste Type*
Cement/drilling material, rope, and wood	Industrial solid waste and ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other



Housekeeping Site Before Closure
(taken 04/18/2001)



Housekeeping Site After Cleanup
(taken 08/21/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on August 31, 1993. The drilling material was removed on August 21, 2001, using a front-end loader and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/26/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/03/2001

CAS Number (if applicable): 07-99-02 (debris on cement pad)

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, UE-7ns crater

Elevation: 1,350 meters (m)

Northing: 4,106,108.63 m (UTM Zone: 11) Latitude: 37 05.9327

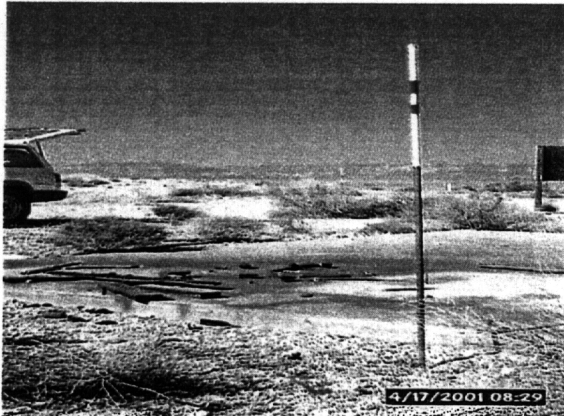
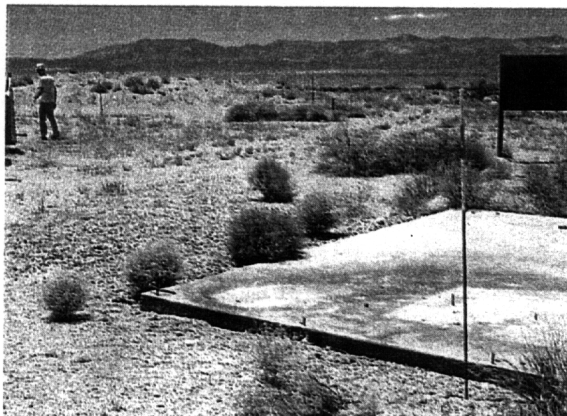
Easting: 588,645.27 m (UTM Zone: 11) Longitude: 116 00.1998

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed to 3-05 Road. Turn left (north) onto 3-05 Road, and at the fork in the road turn right (east). Proceed 1.7 miles to RAD Safe Marker (RSM) 76.6. Turn right (east) at the dirt road (at a light blue fence post) and proceed 0.2 mile. Turn left at another fork in the road. Follow for 0.3 mile to the site located behind a large white sign on the north side of the road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Wood, metal, wire, and rubber	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 04/17/2001)	Housekeeping Site After Cleanup (taken 08/03/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed September 9, 1993. The debris was removed on August 3, 2001, using a front-end loader and shovels and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 08/03/2001

CAS Number (if applicable): 07-99-02 (pile of cement and debris)

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, UE-7ns crater

Elevation: 1,350 meters (m)

Northing: 4,106,108.63 m (UTM Zone: 11) Latitude: 37 05.9327

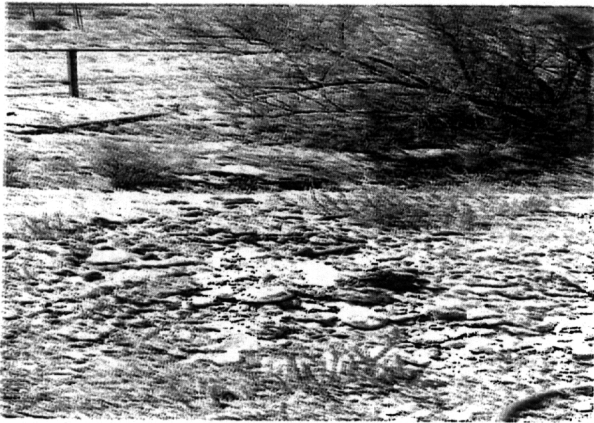
Easting: 588,645.27 m (UTM Zone: 11) Longitude: 116 00.1998

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed to 3-05 Road. Turn left (north) onto 3-05 Road and at the fork in the road turn right (east). Proceed 1.7 miles to RAD Safe Marker (RSM) 76.6. Turn right (east) at the dirt road (at a light blue fence post) and proceed 0.2 mile. Turn left at another fork in the road. Follow for 0.3 mile to the site located behind a large white sign on the north side of the road.

Waste Item(s) Originally at Site	Apparent Waste Type*
Cement, wood, metal, and rubber	Industrial solid waste and ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 07/25/2001)	Housekeeping Site After Cleanup (taken 08/03/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed September 9, 1993. The cement and debris was removed on August 3, 2001, using a front-end loader and shovels and transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sector Housekeeping Site Closure Verification Form

Closure Verification Date: 08/03/2001

CAS Number (if applicable): 07-99-03 (epoxy tar spill)

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-7bg crater

Elevation: 1,335 meters (m)

Northing: 4,106,410.10m (UTM Zone: 11)

Latitude: 37 06.0960

Easting: 588,597.82m (UTM Zone: 11)

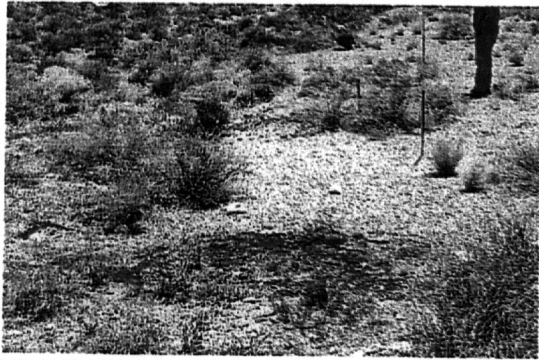
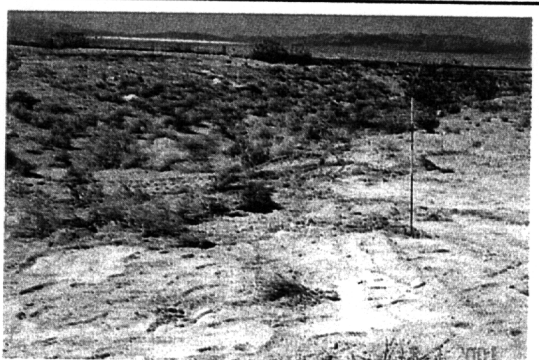
Longitude: 116 00.2297

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed to 3-05 Road. Turn left (north) onto 3-05 Road and at the fork in the road turn right (east). Proceed 1.7 miles to RAD Safe Marker (RSM) 76.6. Turn right (east) at the dirt road (at a light blue fence post) and proceed 0.2 mile. Turn left at another fork in the road. Follow for 0.3 mile to CAS 07-99-02. Continue straight past the concrete pad for approximately 200 feet to a wash. Go through the wash and on the other side make an immediate left (north) and follow the dirt trail to the well yard. The site is located to the west of the well yard.

Waste Item(s) Originally at Site	Apparent Waste Type*
Epoxy, wooden spool, and wire	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 06/13/2001)	Housekeeping Site After Cleanup (taken 08/03/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 10, 1993. The two small epoxy spills and debris were removed on August 3, 2001, using a front-end loader and transported to the Area 6 Hydrocarbon Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

Sectored Housekeeping Site Closure Verification Form

Closure Verification Date: 09/25/2001

CAS Number (if applicable): 07-99-03

CAU Number (if applicable): 387

Sector Designation: NTS

Housekeeping Site General Location: Nevada Test Site, U-7bg crater

Elevation: 1,336 meters (m)

Northing: 4,106,398.81m (UTM Zone: 11)

Latitude: 37 06.0898

Easting: 588,614.23m (UTM Zone: 11)

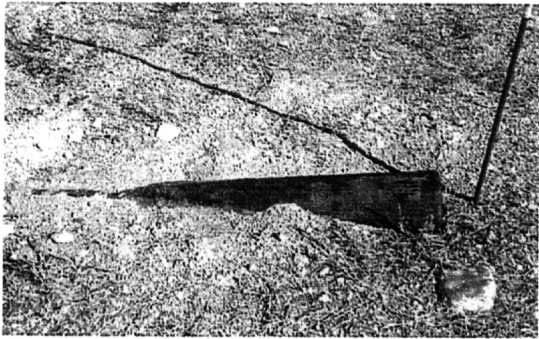
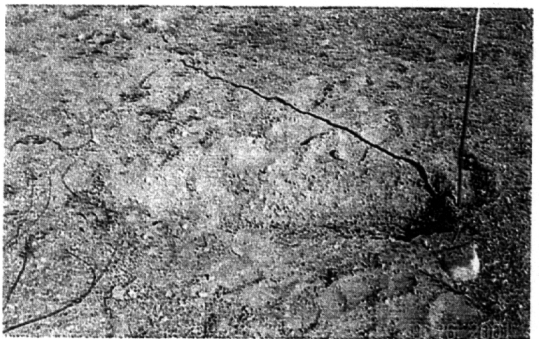
Longitude: 116 00.2187

Coordinate/Elevation Data Obtained from: North American Datum, 1927.

Site Access Route: Proceed on Mercury Highway north to 3-03 Road. Turn right (east) on 3-03 Road and proceed to 3-05 Road. Turn left (north) onto 3-05 Road and at the fork in the road turn right (east). Proceed 1.7 miles to RAD Safe Marker (RSM) 76.6. Turn right (east) at the dirt road (at a light blue fence post) and proceed 0.2 mile. Turn left at another fork in the road. Follow for 0.3 mile to CAS 07-99-02. Continue straight past the concrete pad for approximately 200 feet to a wash. Go through wash; on the other side make an immediate left (north) and follow dirt trail to the well yard. The site is located to the west of the well yard.

Waste Item(s) Originally at Site	Apparent Waste Type*
Compressed gas cylinder (empty)	Ordinary

* Ordinary, Scrap Metal, Asbestos, PCB, Salvageable, Hazardous, Radioactive, Mixed, Unknown, Other

	
Housekeeping Site Before Closure (taken 09/25/2001)	Housekeeping Site After Cleanup (taken 09/26/2001)

Current Site Description/Observations: This Corrective Action Site (CAS) was first identified by an International Technology Corporation (IT) field crew in a site survey performed on October 14, 1993. The gas cylinder was removed on September 25, 2001, by charging with explosives to neutralize it and then transported to the Area 9 U10c Landfill. The site is currently clear of all waste material.

☒ **No Further Action Required at Housekeeping Site**

Marcus Dixon
Corrective Action Coordinator/Designee

Marcus Dixon
Signature

10/25/2001
Date

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DISTRIBUTION LIST

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