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A Member of The IT Group

October 31, 2001

IT Project No. 811920

Los Alamos National Laboratory
ATTN: Don Hickmott, Ph.D.
University Technical Representative
Environmental Restoration Project
EES-16, MS D462
Los Alamos, New Mexico 87545

Summary of Fiscal Year 2000 and 2001 Field Activities at TA-16, OU 1082, PRS 16-020, Silver Outfall for IT Task Order 14.

Dear Dr. Hickmott:

Attached please find a copy of the TA-16 Silver Outfall Field Summary Report for your review. I have also enclosed a CD containing the electronic copy of the report and other components/sections of the report that were available in electronic file format. The files are in Microsoft Word, Excel, and PowerPoint. If you require additional copies or have any questions regarding this report, please contact me at (505) 661-5278.

Respectfully submitted,

IT CORPORATION

Glenn VanDerpoel
Project Manager

cc: RPF, LANL
Project File, IT

RECEIVED
APR 2004
By BJ

SUMMARY OF FISCAL YEAR 2000 AND 2001 FIELD ACTIVITIES AT TA-16, OU 1082, PRS 16-020 SILVER OUTFALL

Prepared by

IT CORPORATION

A Member of The IT Group

for the
High Explosives Production Sites (HEPS) Team of the
Remedial Actions Focus Area of the
Los Alamos National Laboratory (LANL)
Environmental Restoration Project

October 2001

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LIST OF ACRONYMS

BMP	best management practices
ER	Environmental Restoration
FIMAD	Facility for Information Management, Analysis, and Display
FTL	Field Team Leader
H&S	health and safety
HE	high explosives
HEPS	High Explosives Production Sites
HSWA	Hazardous and Solid Waste Amendments
IA	interim action
JCNNM	Johnson Controls of Northern New Mexico
LANL	Los Alamos National Laboratory
OU	operable unit
PAH	polycyclic aromatic hydrocarbons
PCBs	polychlorinated biphenyls
ppm	parts per million
PRS	Potential Release Site
QA	quality assurance
QC	quality control
SMO	Sample Management Office
SOP	standard operating procedure
SSO	Site Safety Officer
TCLP	Toxicity Characteristic Leaching Procedure
UTR	University Technical Representative
WMC	Waste Management Coordinator
WPF	Waste Profile Form
XRF	X-ray fluorescence

1.0 INTRODUCTION

This report summarizes field activities conducted as part of the Flood Control Interim action Cleanup, Waste Excavation, Management, Transport, and Disposal at Operable Unit (OU) 1082, Potential Release Site (PRS) 16-020, Silver Outfall. This cleanup activity was conducted to fulfill the requirements of Module VIII of the Los Alamos National Laboratory (LANL), Hazardous and Solid Waste Amendments (HSWA) permit by cleaning up contamination that represents a threat to human health and the environment. The work was undertaken for the High Explosives Production Sites (HEPS) Team of the Remedial Actions Focus Area of the LANL Environmental Restoration (ER) Project. This report is specific to field activities conducted at the Silver Outfall at TA-16 during September, October, and November 2000. The site is located within Canon de Valle aggregate of the Water Canyon/Canon de Valle Watershed southwest of Building TA-16-222. It is a narrow drainage site that had received photo-processing chemicals for approximately 40 years. Sampling efforts conducted in 1995 showed high levels of silver (up to 600 parts per million [ppm]), chromium (up to 1,000 ppm) and polycyclic aromatic hydrocarbons (PAH) (up to several hundred ppm of benzo-a-pyrene) for a distance of approximately (~) 738 feet (ft) down drainage. The Cerro Grande fire that burned the headwaters of Canon de Valle made this site subject to potentially serious erosion and contaminate migration.

Field activities during this Interim action (IA) included the following:

- Screening sampling
- Screening sample analysis
- Soil removal
- Heavy equipment decontamination
- Waste characterization sampling
- Waste transportation and disposal
- Confirmatory sampling
- Survey of confirmatory sample collection locations
- Site restoration/best management practices (BMP) installation

2.0 OBJECTIVES

The objective of this IA was to clean up contaminated soils that represent a potential threat to human health and the environment, to collect soil samples for the purposes of cleanup verification and waste characterization, to manage wastes in accordance with all applicable policies and regulations, and finally, to restore the site in accordance with LANL prescribed BMPs.

3.0 GENERAL FIELD PROCEDURES

3.1 Schedule and Personnel

This IA was conducted in three phases. Phase one consisted of mobilization of equipment, personnel, and site setup, which included the delineation of work zones and the installation of transects within the outfall. Phase two consisted of excavation of contaminated soil, waste characterization and site cleanup verification sample collection, and site restoration/BMP installation. Phase three consisted of waste disposal and demobilization activities.

The field team(s) consisted of the following personnel:

Name	Role	Organization
Don Hickmott	University Technical Representative (UTR)	LANL, EM/ER
Daniel Sandoval	H&S Representative	LANL, ER/ESH-5
John Tymkowych	Waste Management Coordinator (WMC)	LANL, EM/ER
Glenn VanDerpoel	IT Project Manager/ Field Team Leader (FTL)	IT Corporation
Gary Garcia	FTL	IT Corporation
Robert Monsalve-Jones	FTL/Site Safety Officer (SSO)	IT Corporation
Jessie Ish	SSO	Onsite Environmental
Russell Stone	SSO	PrSM
Rich Urie	SSO	IT Corporation
Louie Romero	Escort	IT Corporation
Kevin Reid	Escort	IT Corporation
Roberta Torrez	Escort	IT Corporation
Kenneth Hale	Equipment Operator	IT Corporation
Ricky Shattel	Equipment Operator	IT Corporation
Joeseph Bird	Field Technician	IT Corporation
Carol Vargas	Field Technician	IT Corporation
Lennie Binale	Field Technician	IT Corporation
Michael Garcia	Equipment Operator	SG Western
Greg Meyers	Equipment Operator	SG Western
Darby Williams	Equipment Operator	SG Western

3.2 Field Documentation

Laboratory ER Standard Operating Procedures (SOPs) were followed for all field documentation regarding field activities. This documentation includes field notes, sample collection logs, and chain-of-custody forms.

Field notes were recorded in the FTL's Field Log Notebook (Appendix 1). Notes related to health and safety were recorded in the SSO's Field Log Notebook (Appendix 2) during the field activities. The field notes include description of:

- Date
- Field team members
- Work planned for the day
- Weather
- Occurrence of Tailgate Safety Meeting
- Daily sampling events
- Waste Management activities
- Photography log
- Sample collection information
- Deviations from plans
- Site observations

Sample Collection Logs (Appendix 3) were completed by the sampler, documenting samples collected for: X-ray fluorescence (XRF) field screening verification sampling, waste characterization, and site verification. The following information was recorded on the logs:

- Date and time of collection
- Name and signature of sampler
- Sample identification, type, description, location ID, and depth
- Analysis requested
- Containers used
- Weather conditions at time of collection
- Photograph numbers and description

Chain-of-Custody/Request for Analysis Forms (Appendix 4) were completed prior to submitting samples to the Sample Management Office (SMO). These forms document sample collection, request for analysis, and the chain-of-custody between the sampler and the transfer of samples between field personnel and the SMO.

The FTL submitted Weekly Activity Reports (Appendix 5) to the IT Corporation Project Manager who in turn forwarded them to the UTR. All field team members acknowledging attendance at the daily meeting signed the Daily Safety Briefing forms (Appendix 6). The Site Entry/Exit Log (Appendix 7) was completed daily by all field team members and visitors working at the project site.

Prior to each day's activities, a Daily Safety Inspection Checklist (Appendix 8) was completed by the SSO.

3.3 Contamination Delineation

Prior to the removal of soil from the site, the UTR, FTL, and the IT Project Manager performed a site walk in an attempt to delineate the lateral extent of the outfall channel. Pin flags were inserted, at locations determined by consensus, into the outer edges of the channel at various points along the outfall. In areas where the lateral extent of the channel was not well defined (300 ft, 425 ft, 526 ft, and 738 ft), surface soil samples were collected along transects to determine the lateral extent of the outfall channel based upon contaminate levels. The samples were analyzed for total silver and total chrome with a Spectrace 9000 XRF instrument. To establish each transect, the location that appeared to be near the center of the channel was selected within the outfall channel. A pin flag was used to mark the estimated center location. Working along a north south axis relative to the pin flag, additional pin flags were inserted at ~2.5-ft intervals. The transect located at ~300 ft down gradient had three pin flags north of the center point to a location ~7.5 ft north and it had 6 pin flags south of center to a location ~15 ft south. The transect located at ~425 ft down gradient had 8 pin flags north of the center point to a location ~20 ft north and 3 pin flags south of center to a location ~7.5 ft south. The transect located at ~526 ft down gradient had 6 pin flags north of the center point to a location ~15 ft north and 5 pin flags south of the center point to a location ~12.5 ft south. The transect located at ~738 ft down gradient had 3 pin flags north of the center point to a location of ~7.5 ft north and 4 pin flags south of the center point to a location of ~10 ft south.

Upon review of the data generated by the analysis of these samples, it was determined that soil along the transects would be removed as follows:

300-ft Transect; soil from ~12.5 ft south to ~7.5 ft north
425-ft transect; soil from ~5 ft south to ~17.5ft north
526-ft transect; soil from the center point to ~15 ft north
738-ft transect; soil from ~7.5 ft south to ~7.5 ft north

See the Pre-Excavation XRF Field Screening Data Table (Appendix 9) for additional information.

3.4 Soil Removal

Following the delineation of the outfall channel, as described in Section 3.3, soil excavation work began at the start of the outfall. Prior to use, a representative from ESA-FM-ESH issued a high explosives (HE) Safety Work Permit for all heavy equipment and project vehicles. Secondly, all heavy equipment was inspected to ensure proper operation and function of all components and safety devices. This pre-job inspection was documented on Heavy Equipment Daily Inspection Checklists (Appendix 10). In addition, prior to use, all heavy equipment was screened for HE, utilizing a HE Spot Test Kit, to ensure that no HE contamination was brought on-site via the heavy equipment.

Soil removal/excavation activities started on September 14, 2000 and continued for a period of 5 days (September 14, 2000; September 15, 2000; September 18, 2000; September 19, 2000; and September 20, 2000).

On September 14, 2000 at approximately 1400 hours the backhoe bucket cut through a electric cable while excavating ~8 ft from the start of the outfall at a depth of ~3 ft. The electrical cable did not appear to be energized. Upon cutting the cable, all work activities were suspended and notifications were made in accordance with the TA-16 Incident Reporting Process. The FTL contacted the IT Project Manager and the ER/ESH-5, Health and Safety (H&S) Representative. The IT Project Manager contacted the UTL. At approximately 1520, the ER/ESH-5, H&S Representative was onsite to inspect the scene. The ER/ESH-5, H&S Representative inspected the cut cable with a TIF 100 Tic Tracer and did not detect any electrical energy. At approximately 1530, representatives from LANL, ESA-FM-ESH arrived to inspect the site. The ESA-FM-ESH representatives contacted electricians from Johnson Controls of Northern New Mexico (JCNNM)-FS03 to have them check the cut line. The electricians checked the line with a volt probe and concluded that the line was not energized. Representatives from JCNNM-UMAP suspended work activities pending the reissue of a revised Excavation/Soil Disturbance Permit (Appendix 11). The area would require a new utilities survey prior to issuance of a revised Excavation/Soil Disturbance Permit. Representatives from JCCNNM-UMAP were onsite at 0745 on September 15, 2000 to perform a utilities survey and issue a revised Excavation/Soil Disturbance Permit. Site operations continued once the new permit was issued.

Excavation work began utilizing a Caterpillar 416C backhoe/loader and a Kenworth 10-cubic yard dumptruck. To increase production and improve mobility within the outfall, it was determined that a small track excavator would be used instead of the backhoe. A Komatsu track excavator was delivered to the site on September 15, 2000 and replaced the Caterpillar 416C backhoe/loader.

The maximum depth of the excavation was ~6 ft. This maximum depth was in the area surrounding the outfall discharge pipes to a distance of ~15 ft down gradient. The average depth of the excavation, throughout the remainder of the outfall channel, was ~1 ft. Soil was removed at an average rate of ~40 cubic yards per day. A total of 24 truckloads of soil for an estimated total of 200 cubic yards were removed.

A certified excavation safety competent person continuously monitored the excavation activity. Inspections of the excavation were performed daily (on days where site activity occurred) and were documented on Excavation Inspection Forms (Appendix 12) that were completed by the competent person.

3.5 Soil Staging

Excavated soil was transported to a staging area located south west of the 90's line. The soil staging area was lined with two layers of 6-mil plastic and bermed to prevent runoff. Once all of the excavated soil had been staged within the bermed area, the soil was covered with a reinforced

plastic cover to prevent the soil from being dispersed by the wind and to help prevent any runoff during a precipitation event.

3.6 Heavy Equipment Decontamination

Prior to release from the project site, all heavy equipment went through a decontamination process to remove visible soil that could potentially contain site contaminates. To minimize waste generation (decontamination liquids), dry decontamination techniques were successfully implemented for the removal of visible soil from the heavy equipment. Prior to dispatching heavy equipment from the site, all heavy equipment received a HE Decontamination Slip (Appendix 13) signed and approved by an ESA-FM-ESH representative.

3.7 Post-Excavation Field Screening

Upon completion of soil excavation activities, samples were collected for field screening in accordance with the Amended Site Characterization Sampling Plan (Appendix 14). In preparation for sample collection activities, transects were established at predetermined intervals along the excavation. Within the first 100 ft of the excavated outfall, transects were established at 25-ft intervals beginning at 0 ft. Continuing down gradient within the excavated outfall, beginning at the 100-ft mark, transects were then established at 50-ft intervals until ~700 ft. From the transect established at 700 ft, a final transect was established at 738 ft. The transects, located within the first 100 ft of the excavated outfall, were delineated with pin flags that were inserted into the top eastern and western edges of the excavation. A third pin flag was inserted at the center point located between the eastern and western pin flags. The transects, located between 100 ft and 738 ft were delineated by pin flags inserted into the top of the northern and southern edges of the excavated outfall. A pin flag was used to mark the center of these north/south transects.

Once the transects had been established, soil samples were collected (total of 54) to be field analyzed, via XRF, for silver and chrome. In addition to the samples collected for XRF analysis, soil samples were collected from the 15 locations located within the first 100 ft of the outfall and analyzed for PAH using EnviroGard™ PAH Soil Test Kits. The data generated from the analysis of these samples were used to determine the effectiveness of the cleanup effort and was used to determine sample locations for the final verification sampling. See the Post-Excavation XRF Field Screening Data Table (Appendix 15) for additional information.

3.8 Characterization/Verification Sampling

Soil samples were collected from various locations within the outfall for off-site analysis to determine the effectiveness of the cleanup effort. The samples were collected in accordance with the Amended Site Characterization Sampling Plan (Appendix 14) and the OU 1082 Site-Specific

Quality Assurance Project Plan (Appendix 16). A total of 22 samples were collected from 20 sampling locations (a duplicate set of samples was collected for Quality Assurance [QA]/Quality Control [QC] purposes). The samples were analyzed for: high explosives, total metals, semi-volatiles, and volitile organic compounds. Sample collection activities began on September 28, 2000 and were completed on September 29, 2000. Samples were submitted to the SMO on September 29, 2000. Refer to the Site Characterization/Verification Sampling, Requested Off-Site Analysis Summary Table (Appendix 17) for additional information.

3.9 Soil Pile Waste Characterization

During the cleanup process, a total of 24 truckloads of waste soil were transported to the soil staging area. To properly characterize this material, samples were collected for off-site analysis. Eight samples were collected from the waste soil and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) metals, polychlorinated biphenyls (PCBs), semi-volatile organic compounds, and volatile organic compounds. The 24 soil piles were segregated into three pile lots (piles # 1, 2, & 3; 4, 5, & 6; 7, 8, & 9, and so on). Soil composites were obtained from each soil pile within each three-pile lot and the samples were prepared from these composites with one exception. The samples collected for volatile organic compound analysis were collected from one pile selected at random from each three-pile lot. Details of the sample collection process can be found on the Sample Collection Logs (Appendix 3). The samples were collected on September 26, 2000 and were delivered to the SMO on September 27, 2000. Refer to the Soil Pile Waste Characterization, Requested Off-Site Analysis Summary Table (Appendix 18) for additional information.

3.10 Waste Management and Disposal

Upon receipt of the analytical data for the waste soil, the WMC prepared a Waste Profile Form (WPF) and submitted it for review and approval. The WPF was approved (WPF # 33641, Appendix 19) and the waste soil was classified as a non-regulated solid waste. Upon receipt of this information, waste acceptance personnel for TA-54, Area-J were contacted and asked if the waste soil could be disposed of at Area-J. The waste acceptance personnel agreed to accept the waste soil and planned to use the material as backfill during the closure of Area-J.

Once the disposal arrangements had been made, the IT Project Manager contacted MCT Trucking of Albuquerque and arranged to have the waste soil transported to Area-J. The IT Project Manager also contacted personnel at TA-16 (Bill McCormick of ESA-FM-ESH) and coordinated the waste loading and transportation activities with them to ensure a safe and smooth operation that would not interfere with the daily operations at TA-16. Each truck would be escorted by at least two cleared escorts. The escorts would accompany the trucks from the TA-16 parking lot through the security checkpoint, through TA-16 access control, and to the waste staging area. The trucks would then be loaded and tarped and the escort process reversed to take the trucks out of TA-16. Prior to the start of waste loading and transportation activities, the IT Project Manager obtained waste manifests (Appendix 20) for the waste soil from the WMC.

Once all the necessary arrangements had been made, a date was set for the waste loading and transportation activities and arrangements were made to have the required heavy equipment (front-end loader) delivered to the site.

On May 10, 2001 IT mobilized a field crew consisting of a FTL, equipment operator, a front-end loader, two cleared escorts, a SSO, and three semi-truck drivers and trucks to the parking lot of TA-16. A tailgate safety meeting was held and the crew was briefed on the day's activities. All vehicles would need HE Safety Work Permits from TA-16 access control prior to entry into the HE corridor. Once the briefing was completed, the equipment was lined up with an escort vehicle placed at the front of the line followed by the semi-trucks, a second escort vehicle, the front-end loader, and the last escort vehicle. The equipment passed through the security checkpoint, stopped at the access control station to sign in, obtained the HE Safety Work Permits and then preceded to the site. Once onsite, the tarp was removed from the soil pile and soil loading began. Loading of the first truck began at 0910. The third truck was loaded by 0920. All of the trucks were then tarped and waste manifests were issued to the drivers. The trucks were then escorted out of TA-16 and sent to TA-54 to dispose of the waste soil. The IT Project Manager accompanied the first group of trucks to TA-54. Once at TA-54, the IT Project Manager contacted Orlando Archuletta. Orlando had been the designated TA-54, Area-J point of contact for the waste disposal operation. The material was dumped and the trucks returned to TA-16 and were escorted back onsite. This process continued for a total of 12 loads. The last truck load (load #12) was loaded, transported, and disposed of at Area-J by 1530. The trucks were then dispatched back to the MCT office in Albuquerque. All of the waste loading, transportation, and disposal activities were completed without incident.

Upon completion of the waste loading activities, the equipment operator used the front-end loader to re-grade the soil staging area. Once the area was re-graded it was seeded with a native seed mixture and covered with straw mulch. Field activities were completed by 1700.

3.11 Site Restoration Activities at the Silver Outfall Site

On October 18, 19, & 23, 2000, IT mobilized a FTL, SSO, and a CAT 307B track hoe to the Silver Outfall site. The objective was to begin site restoration activities which consisted of the installation of clean fill (base course) and best management practices (BMP) within areas of the outfall were soil erosion was likely to occur. Eight truckloads of clean fill (base course), approximately 104 tons, were delivered to the site. In addition, IT personnel obtained several straw bales and waddles for use at various locations within the outfall for erosion control. During the 3 days of fieldwork, personnel were able to install all of the straw bales and waddles brought to the site and approximately 6 truckloads of the base course. Approximately 3 truckloads of clean fill were placed at the start of the outfall. This location was where the deepest excavation (approximately 6 to 8 feet deep) had occurred. The clean fill was placed with the track hoe and graded to match the existing surface contours. The 3 other truckloads of clean fill used during this field effort were spread along approximately the first 150 feet of the outfall. Heavy rain and sleet prevented the filed crew from placing the remaining 2 truckloads of clean fill.

On May 11, 2001, IT mobilized to the Silver Outfall site to continue the site restoration work on within the outfall. The crew and equipment consisted of a FTL/SSO, a heavy equipment operator, and a Case 580L backhoe. The crew spread the two remaining truckloads of clean fill that had been brought to the site in October 2000. The field crew also marked each of the locations where verification samples were collected with brass ID tags and aluminum plates. The brass ID tags are engraved with the location ID # assigned to a particular location and the 6-inch diameter aluminum plates help to make the locations more visible when and if they need to be located. In order to complete the site restoration work, approximately 2 truckloads of rock riprap will be required.

On September 6 and 7, 2001, IT mobilized a FTL, SSO, 3 field technicians, an equipment operator, dump truck, and a backhoe to the Silver Outfall site. IT also arranged for the delivery of 8 truckloads (~107 tons) of rock riprap. The riprap consisted of crushed rock ranging in size from approximately 5 to 12 inches in diameter. In addition, IT made arrangements to obtain 4 truckloads of large rock/boulder from the site of the MDA-P cleanup. Prior to placing the rock riprap, IT personnel lined excavated areas and channels with jute matt. The rock and boulders were then placed within the areas of the project site that were subject to the most surface water flow and had the greatest potential for soil erosion. In addition to the work performed within the outfall, the crew also installed BMPs up gradient of the outfall to serve as energy breaks for the surface water flow.

IT returned to the project site on September 10, 11, &12, 2001 to complete the site restoration activities by applying a native grass seed mix (supplied by LANL) and straw mulch to those locations within the project site where the native vegetation had been disturbed. The September 11, 2001 field activities had to be suspended when crews were asked, by LANL, to leave the project. The request was made due to security requirements imposed by LANL as part of LANL's response to the tragic events on the east coast.

3.12 Site Survey Activities

On July 2, 2001, Bill Kopp, ESH-19/ER, met with the IT Project Manager and went out to the Silver Outfall site to survey the locations where the verification samples were collected. When he returned from the field, Mr. Kopp reviewed the data and then downloaded the data to FIMAD. On July 18, 2001, Bill Kopp contacted the IT Project Manager and notified him that FIMAD had a problem with one of the data points. The data point for location ID # 16-06539 was already in FIMAD's system. Mr. Kopp asked if the data in the system should be changed to reflect the information from the data collected on July 2, 2001. Upon investigation, it was determined that the location ID # had been used previously to identify a sample location at MDA-R. Based upon this information it was decided that a new location ID # (16-06593) would be assigned to the Silver Outfall location and that no changes would be made to the data for location ID used at MDA-R. The location at the Silver Outfall that corresponds to this location ID is located at 738 feet South. IT will removed the brass ID tag with the location ID # of 16-06539 and replace that tag with the new location ID # 16-06593. All of the verification sample locations (total of 54) are identified by, securing to the ground with a 12-inch spike, a 6-inch diameter aluminum plate

along with a 2-inch diameter brass ID tag. Each brass ID tag is marked with the following information: LANL-ER, Field Unit # 3, a unique location ID #, and TA-16.

3.13 Project Photo-Documentation

Photographs were taken at various stages of the project to help document site activities. Photographs were taken before, after excavation activities, and during sampling operations to document the event. Refer to Appendix 21 for photographs and descriptions.

Appendix 1

Project Field Team Leader's Field Logbook, ER Document Number ER2000-0654

SG WESTERN CELL 6609866 OFFICE 662-3852

EMO 665-0663, 0662, 0664.

DAN 665-3780.

GENE VELASQUEZ 665 1051 CELL 1505 699 0795

- ER PROJECT DOCUMENT CONTROL # ER2000-0654
- Glenn VanDerpool, FIELD TEAM LEADER
- The work at the TA-16 PRS 16-020 is a flood control immediate action cleanup, waste excavation, management, transport and disposal. The work is being undertaken for the High Explosives Production Sites (HEPS) Team of the Remedial Action Focus Area of the Environmental Restoration (ER) Project.

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GV 10/5/00

List of ER SOP's Applicable to work at the Ag Outfall PRS16-020

ER-SOP-1.01, Rev.0	General Instructions for Field Investigations	03/16/92
ER-SOP-1.02, Rev.0	Sample Container and Preservation	03/16/92
ER-SOP-1.03, Rev.1	Handling, Packaging and Shipping of Samples	05/05/94
ER-SOP-1.04, Rev.3	Sample Control and Field Documentation	11/15/95
ER-SOP-1.05, Rev.0	Field Quality Control Samples	03/16/92
ER-SOP-1.06, Rev.1	Management of ER Wastes	05/22/96
ER-SOP-1.07, Rev.0	Operational Guidelines for Taking Soil and Water Samples in Explosive Areas	03/21/95
ER-SOP-1.08, Rev.0	Field Decontamination of Drilling and Sampling Equipment	03/31/95
ER-SOP-1.10, Rev.0	Waste Characterization	05/22/96
ER-SOP-1.12, Rev.0	Field Site Closeout Checklist	08/02/99
ER-SOP-6.09, Rev.0	Spade and Scoop method for Collection of Soil Samples	03/16/92
ER-SOP-6.14, Rev.0	Sediment Material Collection	03/16/92
ER-SOP-10.06, Rev.1	High Explosives Spot Test	05/31/97
ER-SOP-10.08, Rev.0	Operation of the Field Portable XRF Instrument	08/23/95

EQUIPMENT

- CAT 416 BACKHOE
- KOMATSU TRACK EXCAVATOR
- 10 CU.YD. DUMPTRUCK

9/11/00

TA-16 Ag OUTFALL
TA-16 ARS 16-020

9/11/00

~1000 ONSITE TA16 OFFICE TRAILERS. ELMER ALCON ESCORT FOR GLENN VANDENPOEL. OBTAIN PERMIT FOR IT PICKUP #71139. FORD F250. LYNN KIDMANN ESCORTS PROJECT SSO JESSIE ISH.

~1030 REVIEW SAMPLING PLAN AMENDMENT FOR FIELD SCREENING AND CHARACTERIZATION SAMPLING. HM

~1050 PREPARE FOR PRE-JOB SAFETY BRIEFING.

~1100 PRE-JOB BRIEF, SAFETY. DON HICKMOTT, LYNN KIDMANN, JESSIE ISH, ROBERT MONTOYA-JONES, ELMER ALCON, LENNIE BINALE, DAN SANDOVAL, + GLENN VANDENPOEL.

DAN SANDOVAL OK HYDRATION @ TRUCKS OUTSIDE OF ZONE.
BOB MONTOYA JONES REVIEWED HYDRATION PROCEDURES FOR CREW IN ZONE.
JESSIE ISH. GIVES DAILY SAFETY BRIEF FOR TODAYS ACTIVITIES.
ELMER REVIEW EMERGENCY PAGING PROCEDURES FOR EMO PAGERS.
DISCUSS TREE REMOVAL w/ ROBERT + DAN.
HANTA VIRUS HAS NOT BEEN REPORTED IN LOS ALAMOS. HOWEVER, DEER MICE HAVE TESTED POSITIVE FOR VIRUS.
PPE FOR TODAY HAT OR HARDHAT + STEEL TOE SHOES.
HIGH VISIBILITY VESTS FOR WORK AROUND HEAVY EQUIPMENT.
EMERGENCY SIGNAL, 1 LONG BLAST ON AIR HORN.

~1145 → 1305 WALK DOWN SITE WITH DON HICKMOTT, LYNN KIDMANN DAN SANDOVAL, JESSIE ISH, ELMER ALCON, LENNIE BINALE + GLENN VANDENPOEL. MEASURE OFF OUTFALL AND STAKE WITH PIN FLAGS EVERY 50'. TRIED TO DETERMINE WIDTH OF OUTFALL CHANNEL. CHANNEL WIDTH OBVIOUS IN SOME AREAS BUT NOT IN OTHERS. NEED TO PERFORM FIELD SCREENING TO DETERMINE AERIAL EXTENT OF CONTAMINATED IN LOCATIONS WHERE DRAINAGE / CHANNEL IS NOT CLEAR.

9/11/00

1310 → 1330 LUNCH.

1320 CREW BEGINS TO CLEAN OUT TP BOX NEAR TA16 SITE TRAILERS. ONCE CLEANED JOBBOX TOOLBOX WILL BE UNLOADED FROM IT PICKUP AND STORED.

1421 CONTACT SGWESTERN / SAM GARDNER. THEIR TRAILER IS IN ABQ. COULD ROAD EQUIP. TO TA16 BUT WOULD TAKE AWHILE. HE WILL BEGIN DELIVERING EQUIP. TO TA16 GATE ~ 0700 TOMORROW. HIS OPERATOR WILL DELIVER TO TA16 CAFETERIA. WE CAN/COULD TAKE EQUIP. INTO SITE IF NEEDED.

NOTE FROM SITE WALK 1145 → 1305. BILL ~~McGRANAHAN~~ McCORMICK GV 9/11/00 ONSITE HE IS THE TA16 FACILITY REP. AGREED UPON AREA ACROSS ROAD FROM A_g OUTFALL FOR SOIL PILE STAGING. FOR THE REMOVAL OF TREES WE NEED TO CONTACT JIM STAPLETON. BACKFILL FOR SITE AND ROADWAYS CAN COME FROM FMU-80 LANL DIV. FW80, FACILITIES DEPT.

~1530? NOTIFIED OF POSSIBLE GAS LEAK @ BUILDING ADJACENT TO THE A_g OUTFALL. NEED TO BE OUT OF AREA. NO PROJECT PERSONNEL WERE ONSITE ANYWAY. PERSONNEL WORKING @ IT TA16 TRAILERS.

BACK TO IT OFFICE ~1600.

MLM
9/11/00
@1829

CLEAR SKY ~80's

9/12/00

0830 ONSITE TAIG GO TO HE EXPLOSIVE TRAINING. TRAINING COMPLETE @ ~0935. GLENN VANDERPOOL + JESSIE IN ATTENDANCE

~0940 EXIT TAIL TO MEET OPERATOR FROM SG WESTON IN TAIL PARKING LOT. OPERATOR MIKE ORTIZ (?) ONSITE (PARKING LOT) WITH CAT 416 BACKHOE + KOMATSU 320. BOTH NEED FIRE EXTINGUISHERS MIKE IS UNCLEARED. ASKED MIKE TO GO BACK TO SG WESTON OFFICE AND PICK UP FIRE EXT. AND ASK FOR SAM TO CALL RE: CLEARED OPERATOR.

SG WESTON WORKS ON EQUIP. TO GET EQUIP. UP AND RUNNING

1329 CALLED EMD @ 6650662 NOTIFIED THEM OF OUR WORK @ Ag OUTFALL GAVE THEM MY PAGER # 669 5070.

ONSITE @ Ag OUTFALL @ 1345 DISCUSSED WHAT WE WANT TO ACCOMPLISH TODAY. EST. ZONES + SET UP SAMPLING TRANSECTS IN AREAS OF OUTFALL WHERE CHANNEL WIDTH WAS UNCERTAIN. DAN SANDOVAL ONSITE HE IS ASKING TO HAVE US ADD Be TO OUR METALS LIST TO BE SAMPLED FOR. HAVE A BRIEF HS UPDATE BASED UPON THE TASKS ABOVE.

WALK OUTFALL TO IDENTIFY LOCATIONS FOR FIELD SCREEN WIDTH DETERMINATION TRANSECTS. IDENTIFY AREAS @ 300', 425', AND 738'. RUN TRANSECTS ~ NORTH SOUTH. BEGINNING AT THE COVER OF THE OUTFALL (AT THE ABOVE LOCATIONS) BEGIN FROM THE MIDPOINT NORTH + SOUTH IN 2.5' INTERVALS.
LABEL SAMPLES AS FOLLOWS:
300' - 2.5' NORTH, 300' - 5' NORTH, ETC.

ELMER ALCON + LENNIE BINALE COLLECT SAMPLES.
WEATHER CLEAR + WARM/HOT ~80°F

9/12/00

DAN SANDOVAL ASSISTI JESSIE W/ THE SETUP OF THE EXCLUSION ZONE

DARBY WILLIAMS OF SG WESTON ONSITE WITH WM250 LOADER @ 1447.

SAMPLING ALL SAMPLES PROCESSED THROUGH #10 SIEVE

300' TRANSECT.

SAMPLE ID.	TIME
300'-2.5 NORTH	1426
300'-5.0 NORTH	1427
300'-7.5 NORTH	1428
300'-2.5 SOUTH	1415
300'-5.0 SOUTH	1420
300'-7.5 SOUTH	1421
300'-10.0 SOUTH	1422
300'-12.5 SOUTH	1423
300' -15.0 SOUTH	1424.

425' TRANSECT.

SAMPLE ID	TIME
425-2.5 SOUTH	1451
425-5.0 SOUTH	1452
425-7.5 SOUTH	1454
425-2.5 NORTH	1435
425-5.0 NORTH	1436
425-7.5 NORTH	1440
425-10.0 NORTH	1442
425-12.5 NORTH	1445
425-15.0 NORTH	1447
425-17.5 NORTH	1448
425-20 NORTH	1450

9/12/00

526' TRANSECT

SAMPLE ID	TIME
526 - 2.5 SOUTH	1505
526 - 5.0 SOUTH	1507
526 - 7.5 SOUTH	1510
526 - 10.0 SOUTH	1511
526 - 12.5 SOUTH	1512
526 - 2.5 NORTH	1513
526 - 5.0 NORTH	1514
526 - 7.5 NORTH	1515
526 - 10.0 NORTH	1516
526 - 12.5 NORTH	1517
526 - 15.0 NORTH	1518

738' TRANSECT

SAMPLE ID	TIME
738 - 2.5 NORTH	1526
738 - 5.0 NORTH	1526
738 - 7.5 NORTH	1527
738 - 2.5 SOUTH	1530
738 - 5.0 SOUTH	1532
738 - 7.5 SOUTH	1534
738 - 10.0 SOUTH	1535

PREPARE TO SECURE SITE @ 1557.

BACK TO IT OFFICE @ 1635.

9/12/00 @ 1657

CLEAR NICE HIGH TO BE ~82°F

9/13/00

9

0720 LANL BADGE OFFICE TO PICK UP A BADGE FOR GLENN VANDERPOOL.

ONSITE TAIL @ 0740. GO TO B202 TO MEET WITH KATHERINE MARTINEZ TO GET INTO TAIL SYSTEM, BADGE READER ETC.

MEET w/ JESSIE ISH @ ~0758 @ TAIL CAFETERIA. NO SIGN OF CREW.

CREW ONSITE TAIL CAFETERIA @ ~0840.

SGW KESTON DRIVER + DUMP @ TAIL CAFETERIA @ ~0900. DRIVER MIKE GARCIA. HE IS UNCLEARED WHICH CAUSED FOR AN EXCUSE PROBLEM WHILE TRANSPORTING SOIL.

PREJOB BRIEF + SAFETY MEETING @ ~0990. DAN SANDOVAL PRESENT. MEETING CONDUCTED BY GLENN + JESSIE, ELMER ALLEN, JOE + CAROL VARGAS, + LENNIE DINALE.

CREW OF JESSIE, ELMER, LENNIE, + JOE TO GO TO SITE. GLENN + CAROL STAY @ TRAILERS.

WENT TO LOOK @ 90" LINE WASTE STORAGE AREA. LINED PADS APPEAR TO BE SOMEWHAT DAMAGED. MET JOHN TYMKOWYCH OUT THERE HE SHOWED ME SOME CLEAN UNUSED AREA THAT WE COULD LINE AND USE FOR OUR WASTE.

SPOKE w/ CAROL VARGAS, RE: XRF, SHE STATED THAT SHE WASN'T SEEING CHROME IN THE SAMPLES WE SELECTED SO EITHER WE DON'T HAVE CHROME OR THE MACHINE ISN'T SEEING IT.

CLEAR ~80°F

9/13/00

SPOKE AGAIN W/ CAROL, ASKED HER TO RUN A QA CHECK ~ EVERY 5 SAMPLES SHE SAID THAT SHE WAS ABLE TO FIND CHROME IN THE MENU. CHROME HI / CHROME LO.

PLACE A CALL TO STRATEGIC DIAGNOSTICS INC., KIA WYATT TO ASK QUESTIONS RE: PAH TEST KITS. 1 800 544 8881 EXT 140

LUNCH @ ~ 1215 TAIL GATE @ 1230. BACK @ 1330

PLAN OF ACTION FOR AFTERNOON, PHOTOGRAPHY.

CALLED EMO TO NOTIFY THAT WE WILL BE ONSITE

ELMER, JOE + JESSIE GO BACK ONSITE TO WORK W/ CHAINSAW + WOODCUTTING AND TAKE PHOTO'S

CALL EMO NOTIFY THAT WE LEFT PROJECT SITE @ 1608

SAM GARDNER ONSITE, LYNN KIDMAN ONSITE FOR SITEWALK. NEED SMALL TRACKHOE + DUMPTRUCK. WILL START WORK TOMORROW @ 0700 W/ MIKE GARCIA @ TAIL GATE. DUMPTRUCK DRIVER @ GATE @ 0800. ELMER WILL ESCORT DUMPTRUCK DRIVER

OFFSITE @ ~1615

IT OFFICE ~ 1630

[signature] 9/13/00 @ 1739

P. Crosby
~ min 30's

9/14/00

- ONSITE TAIG @ 0705. MEET JESSIE ISH IN TAIG PARKING LOT. WAITING FOR SG WESTERN. SG WESTERN, MIKE GARCIA, ONSITE @ ~0735. MIKE DOESN'T HAVE CURRENT HAZ. PHYSICAL. NEED TO ARRANGE FOR PHYSICAL PAPERWORK

- GO TO B202 SIGN IN JESSIE + MIKE OBTAIN B400 KEY.

- GO TO IT TAIG TRAILER. BEGIN SSHAPP REVIEW W/ MIKE.

- CALL FROM LYNN KIDMAN, PHYSICAL NOT AVAILABLE FOR MIKE. MIKE A NO GO TAKE MIKE BACK TO TAIG GATE

- LYNN CALLED, SG WESTERN BACK ON THEY WILL SEND OUT DARBY (L-CLEARED) + MIKE GARCIA.

- MIKE GARCIA GOING FOR A PHYSICAL (HAZWOPER) TODAY WILL HAVE A CERT. THIS AFTERNOON.

- SPOKE W/ RUSA (SP) @ SG WESTERN WE WILL HAVE DARBY + MIKE THROUGH WEDNESDAY OF NEXT WEEK

- CALLED EMO, LET THEM KNOW WE ARE GOING TO THE SITE @ 1015.

- EQUIP. TO SITE, SET UP BASE OF OP'S. @ 1040.

- GIVE SITE BRIEF TO STAFF JESSIE ISH, BENNIE BINALE ELMER ALCON, DARBY WILLIAMS, NICK ENDERS, GLENN VANDERPOEL. WILL BEGIN @ HEAD OF OUTFALL. NEED TO CLEAR TREE LIMBS FOR DUMPTRUCK ACCESS.

9/14/00

- PERFORM HE SPOT TEST ON BACKHOE CAT 416C # 4ZN21452 AND KW DUMPTRUCK PRIOR TO STARTING WORK ON ZONE. TRUCK PLATE IR/4220 ON BACKHOE, SWIPED BUCKETS FRONT + REAR + TIRES. RESULTS NEGATIVE. ON DUMP TIRES + TAILGATE — NEGATIVE
- ~~[illegible]~~ 6W 9/14/00 BEGIN DIGGING @ 1130.
- DAN SANDOVAL ONSITE @ 1152
- WANT (GLENN WANTS) TO PUT MINIRAM IN CAB OF 416C. SET IT TO ALARM @ ACTION LEVEL.
  1ST LOAD 0' → 0'-2' DEEP (#1)
  LUNCH @ 1205, LEAVE SITE GO BACK TO TRAILERS THEN TO TAIL GATE
- JOE + CAROL VARGAS OFFSITE @ LUNCH TO GO TO DR. APPT WILL NOT BE BACK. TOLD JOE THAT START TIME IS 0730 @ TAIL.
- SPOKE W/ DARRY OF SOUTHTOWN WANT TO GET A TRACKHOE
- PLASTIC IS IN @ FRANKS. SENT ELMER + LENNIE TO FRANKS FOR PLASTIC AND THEN ASK THEM TO SET UP SOIL STAGING AREA WEST OF TAIL IT TRAILERS PER LYNN.
- ASK DARRY TO CHECK ON LEFT TAILLIGHT + BACKUP ALARM ON DUMPTRUCK. ASK TO HAVE IT REPAIRED BY TOMORROW.

~~WET DOWN AREA~~ 6W 9/14/00 BACK ONSITE ~ 1330.

- WET DOWN SITE FROM ENTRANCE AROUND SITE ROAD AND EXCAVATION.
- AT APPROXIMATELY 1400 @ ~8' FROM PIPE + AT A DEPTH OF ~3' A ELECTRIC CABLE (?) WAS UNCOVERED W/ BACKHOE + CUT.

9/14/00

CONTACT LYNN AND NOTIFY HIM OF CUT CABLE. CALLED AND SPOKE W/ DAN SANDOVAL HE WILL COME OUT TO THE SITE. ~1500

DAN ONSITE @ 1520.

DAN SANDOVAL CHECKED CUT LINE W/ A TIF 100 TIC TRACER. NO POWER DETECTED @ 1535

ROGER GOLDIE, ROSCOE ~~McBATON~~ M. Barnes, AND BILL McCORMICK ONSITE @ 1530. GW 9/14/00

THEY (ROGER, ROSCOE + BILL) ARE ~~CALLING~~ GW 9/14/00 CALLING THEIR ELECTRICIAN OUT TO CHECK LINE. ONE OF OUR TECHS WILL COME @ LINE UNDER LANL DIRECTION.

LANL ELECTRICIANS ONSITE @ 1555. ROY EPPERSON AND LEROY GUTIERREZ. THEY OVERSAW ELMER USE A VOLT PROBE ON THE LINES. NO VOLTAGE. LINE DEAD.

WE CANNOT CONTINUE UNTIL A NEW PERMIT IS ISSUED. GENE VELASQUEZ, + CARL VALDEZ. JOB STOPPED UNTIL A NEW PERMIT IS ISSUED. GENE SAID WE COULD HAVE A NEW PERMIT @ 0730 TOMORROW

CALLED EMD @ 665-0662 INFORMED THEM WE ARE OUT OF THE FIELD.

RECHARGE ETOWAH @ 1700

OFFSITE (TAIL) @ ~1720.

MLM 1817 9/14/00

P. CLOUDY
PM RAIN?
NICE
MID ~70"

9/15/00

ONSITE @ TAIL @ 0730. MEET JESSIE, + NICK.
LENNIE ONSITE ~ 0740
SG WESTERN HERE W/ SEMI + LITTLE KOMATSU EXCAVATOR.
GREG MEYER ONSITE AND A DRIVER FOR SEMI TRUCK.
MIKE GARCIA NOT HERE NO ESCORT FOR SEMI DRIVER.
GREG HAS ESCORT PAPER FOR DRIVER BUT HE (GREG) ISN'T
AN APPROVED ESCORT. NEED DARBY TO ESCORT SEMI DRIVER.
MIKE AND DARBY ONSITE @ 0748

KARL VALDEZ + GENE VELASQUEZ ONSITE ISSUE NEW EXCAVATION
PERMIT. THEY ALSO LOCATED SEWER LINES. WE ARE GOOD TO GO.

DAN SANDOVAL ONSITE @ 0857 INSPECT EQUIP. (KOMATSU TRACKHOE)
OFFSITE 0916. WANTS FIRE EXT. TAGS.

LINDA CHAPMAN HAS GREG MEYER'S 8 HOUR TRAINING
CERT.

PULL BACKHOE UP AND REPLACE W/ TRACKHOE
LENNIE TO WASH DOWN BACKHOE.

DIGGING BEGINS @ ~ 1000.
(#2)
1ST LOAD OUT @ 1050 ~0', 2'-4 DEEP (AROUND 0' ~ 8'-10' DIAMETER)

CREW TODAY: GLENN, JESSIE, LENNIE, NICK, GREG, AND MIKE.
(#3)
2ND LOAD @ 1115 ~0', 4'-6' DEEP (AROUND 0' ~ 8'-10' DIAMETER)

DAN SANDOVAL BACK ONSITE @ 1135
(#4)
3RD LOAD 1145 ~9/15/00 GV 8-10', 0'-4' (DOWNGRADIENT ~8'-10' OUT)

LUNCH @ 1152

9/15/00

9

DON STATED THAT FROM OUTFALL HAVE EXCAVATION WORK OUT TO ~1' @ THE 60' MARK INSTEAD OF THE 100' MARK

- WHEN DAN SANDOVAL CAME OUT TO THE SITE @ 1135 HE WANTED TO KNOW IF WE HAD ANY DATA ON Be IN THE SOIL. HE IS CONCERNED ABOUT DUST + Be.

- CONTACTED LYNN KIDMAN, ASKED ABOUT Be SOIL DATA. LYNN STATED THAT Be WAS TESTED FOR IN THE ORIGINAL INVESTIGATION. HOWEVER THEY ONLY LISTED THE METALS WITH LEVELS DETECTED ABOVE BACKGROUND IN THE VCM PLAN FEBRUARY 1996

BACK FROM LUNCH @ 1320

DON HICKMOTT ONSITE WANT TO STAKE + LABEL PILES CONSIDER BAP FOR PIT. OFFSITE @ 1351

4th (#5) LOAD @ 1345 10', GV 9/14/00, @ 0'-3' (EXCAVATED ~10'-20' OUT)

NEED TO PACKUP + SECURE SITE DUE TO THREAT OF RAIN. HEARD SOME THUNDER. 1355

STAKE SOIL PILES + VERIFY BERM AROUND PILES.

AT 1430 LET NICK, GREG + MIKE GO FOR THE DAY

STILL APPEARS TO BE RAINING IN ~~[illegible]~~ GV slide MOUNTAINS @ 1442.

CALL EMD @ 665-0662 LET THEM KNOW WE ARE OFFSITE FOR THE DAY.

DEPART TAIL @ ~1500

KLH 9/15/00

R. CLOUDY
NICK
MIN 70"

9/18/00

0730 ONSITE @ TAIL G. VANDERPOOL, JESSIE ISH, LENNIE DINALE NICK ENDEN, GREG MEYER, MIKE GARCIA.

ISSUE TLO'S TO MIKE GARCIA, AND GREG MEYERS.

MORNING BRIEFING, DISCUSS PLAN OF ACTION. DIG DIRT, STAKE EACH PILE OF SOIL (1ST LOAD TODAY IS #6). NEED TO ENLARGE SOIL STAGING AREA.

ENLARGE SOIL STAGING AREA. FILL H_2O TRUCK. LOAD SUPPLIES IN TRUCK.

ONSITE Ag OUTFALL @ 0835.

TAILGATE SAFETY BRIEFING 0845

CALL EMO, SPOKE W/ ISAAC LET HIM KNOW WE ARE STARTING WORK AT THE Ag OUTFALL ADJACENT TO TA 16-222.

PHOTO'S FRAME #25 OUTFALL PRE-EXCAVATION.

BEGIN EXCAVATION @ 0903

LOAD #6 (#1 TODAY) ~20'-40' ~0'-3' DEEP ~0930

LOAD #7 (#2 TODAY) ~30'-50' ~0'-3' DEEP. ~1003

PHOTO'S ROLL #2 FRAME #1 OUTFALL NORTH
FRAME 2 OUTFALL EXCAVATION
FRAME 3 OUTFALL EXCAVATION SOUTH
FRAME 4 OUTFALL EXCAVATION SOUTH FROM B222

LOAD #8 (#3 TODAY) ~40'-60' ~0'-3' DEEP ~1036

9/18/00 DAN SANDOVAL ONSITE @ 1014.

BILL McCORMICK ONSITE @ 1036.

LOAD #9 ~60' → 150' 0-1' DEEP. 1140 (#4 TODAY)

DAN NEEDS COST CODE AND BUS CONTACT.
COPY OF INCIDENT INVESTIGATION.

GREG DRESSES UP CHANNEL BED FROM ~30' → 150'.

BILL WROTE UP HE DECON SLIPS FOR THE
SG WESTERN CAT BACKHOE + FRONT END LOADER (KOMATSU)

BREAK FOR LUNCH ~1147

BACK FROM LUNCH @ 1245.

DON HICKMOTT + W. WOODNORTH ONSITE @ 1345 FOR
SITE VISIT. OFFSITE @ 1352.

CONTINUE DIGGING LOAD #10 ~150' → 200' 0-6" DEPTH
~1440 (#5 TODAY)

ROLL #2 FRAME #5 VIEW OF NORTH-SOUTH CHANNEL
POST-EXCAVATION TAKEN FACING NORTH
FRAME #6 VIEW OF CHANNEL BEND, NORTH-SOUTH
9/18/00 GV/ ~~TO~~ TO THE EAST @ SOUTHERNMOST POINT.

PULLING SOIL FOR LOAD #11 SOIL FROM ~150 → 250'

PHOTO FRAME #7 LOOKING EAST AT BIG ~~BEND~~ GV 9/18/00 BEND
~150' → 250'

GO TO PAGE 16

NOTES FROM PHOTO'S ROLL #1 SHOT ON 9/13/2000

BEGIN @ FRAME #4: NORTH VIEW OF 738' POINT, LOWER EXTENT OF PRS

#5 EAST VIEW OF LOWER EXTENT LOWER BOUNDRY
#6 ~ 1430 WEST VIEW OF DRAINAGE CHANNEL @ 700' MARK
#7 WEST VIEW OF DRAINAGE CHANNEL @ 600' MARK
#8 NORTH VIEW OF 526' TRANSECT.
#9 FIELD TECH @ WORK
#10 WEST VIEW OF CHANNEL @ 450' MARK.
#11 SAMPLE LOCATION @ 425' SOUTH VIEW.
#12 WEST VIEW @ 350' MARK.
#13 NORTH VIEW OF SAMPLE LOCATION @ 300'
#14 WEST VIEW FROM 300' MARK
#15 WEST VIEW @ 250' MARK
#16 WEST VIEW @ 200' MARK
#17 EAST VIEW @ 125' MARK
#18 WEST VIEW @ 125' MARK
#19 NORTH OF OUTFALL @ 50' MARK
#20 SOUTH VIEW OF CHANNEL @ 50' MARK
#21 NORTH VIEW OF EXCLUSION ZONE BOUNDRY
#22 SOUTH OF EXCLUSION ZONE AREA
#23 VIEW OF STAGING AREA
#24 VIEW OF CONTAMINATION ZONE

PHOTOS TAKEN BY ELMER ALCON. ORIGINAL NOTES TAKEN BY JOE VARGAS. NOTES LOGGED INTO BOOK BY GLENN VANDERPOEL

9/18/00

ROLL #2 FRAME #8 LOOKING EAST ~50' WEST OF THE 300' TRANSECT.

STOP EXCAVATING @ ~250' MOVE TO END OF CHANNEL TO MOVE TREES PRIOR TO DIGGING @ 738'. ~1500

~1525 CHANGE OF PLAN, GREG TO BEGIN DIGGING IN WELL DEFINED CHANNEL BETWEEN 300' + 400' UNDER THE CONCRETE WALKWAY. SEE PHOTO FRAME #9. ROLL #2. (PRE EXCAVATION)

MIKE ~~LOADS~~ GV 9/18/00 LOADS LOAD #11 INTO DUMPTRUCK W/ FRONT END LOADER. LOAD #11 SOIL FROM ~150'-250'. SEE ROLL #2 FRAME #10

LOAD #11 OUT @ 1532. (TODAY'S LOAD #6)

CHANNEL 300' → 400' (FRAME #9 PHOTO ROLL 2) POST-EXCAVATION FRAME #11 ROLL #2 AND FRAME #12 ROLL #2.

VIEW LOOKING WEST - NORTHWEST @ ~250' POST-EXCAVATION FRAME #13 ROLL #2

BEGIN TO SECURE SITE @ 1600.

OFFSITE TA-16 @ 1630.

IT OFFICE ~1645

HLM 9/18/00

CLEAR NICE 70'-80

8/19/00 - ONSITE TAIL @ ~0730.

- LENNIE BINALE, MIKE GARCIA, GREG MULYENS, NICK ENDEN JESSIE ISH, AND GLENN VANDERPOEL

- LOAD UP GEAR @ TAIL IT OFFICE TRAILERS

- MORNING BRIEFING, LOAD EQUIPMENT, EXPAND BERM @ SOIL STAGING AREA, CONTINUE EXCAVATION.

- TAILGATE SAFETY MEETING. REVIEW TASKS ABOVE.

- SG WESTERN TAKE THEIR RECORDED CAT 416 BACKING UP TO THE TAIL GATE. @ ~0830.

- CALL EMO @ SOLGA SPOKE TO ISAAC, LET HIM KNOW THAT WE ARE HEADING OUT TO THE SITE

- ONSITE @ Ag OUTFALL ~0845.

- WALK OUTFALL W/ GREG + MIKE AND POINT OUT / DEFINE OUTFALL CHANNEL.

- GO TO METZLER'S TEXACO FOR 2 GALLON OF OIL FOR SG WESTERN EQUIP. FUEL UP IT TRUCK # 71139.

- LOAD # 12 (1ST LOAD TODAY) OUT @ 1020. ~250' → 350'

- LOAD # 13 (2ND LOAD TODAY) ~300' → 425' OUT @ 1057

- COLLECT SAMPLE OF DARK / BLACK SOIL FROM AREA AROUND VITRIFIED CLAY PIPE (VCP) AT OUTFALL SOURCE NEED TO RUN XRF ON SAMPLE FOR Ag + Cr.

9/19/00 DAN SANDOVAL ONSITE @ 1115. WANTS US TO USE A LADDER WHEN WE PUT PLASTIC ONTO DUMP TRUCK
JESSIE + NICK GO UP TO IT TAIL OFFICE TRAILER @ 1114.
(3rd LOAD OF THE DAY)
LOAD #14 SOIL ~ 300'–425' OUT @ 1141.

PULL CREW OUT OF ZONE FOR LUNCH. @ 1145.

BACK ONSITE ~ 1300

REVIEW LADDER SAFETY ISSUES WITH CREW. CREW NICK ENDEN, GREG MEYER, MIKE GARCIA, LENNIE BINALE, G. VANDERPUL

LOAD #15 (4th LOAD TODAY) ~300'–425' AREA

LENNIE POINTS OUT THAT THE FORD F150 XL HERTZ RENTAL TRUCK HAS A DENT IN THE AREA OF THE GAS CAP ON THE DRIVER SIDE OF THE REAR BED. HE SAID HE DOESN'T KNOW HOW IT HAPPENED, BUT THAT IT WASN'T LIKE THAT ON SATURDAY. TAG CTA578

BEGIN LOADING LOAD #15 @ 1335.

LENNIE TO USE H_2O TRUCK TO WET DOWN SOIL PILE AND ROAD TO MINIMIZE DUST.

DAN SANDOVAL ONSITE @ 1348.

LOAD #15 OUT @ 1400

LENNIE WORK W/ DUMP TRUCK SO THAT HE COULD FILL H_2O TRUCK

9/19/00 BOB MONSALVE-JONES, SSO FOR AFTERNOON ~~ON~~ @ 1422.

LOAD #16 SOIL ~350' → ~500' OUT @ 1450
(5th LOAD OF THE DAY)

LOAD #17 SOIL ~350' → ~500' (6th LOAD OF THE DAY)
OUT @ 1532.

- LOAD #18 SOIL ~425 → 600' (7th LOAD OF THE DAY)

- MINIRAM IN CAB OF LOADER, WHEN HE TURN ON THE FAN IN THE CAB IT HIT A PEAK OF 9.0 mg/m³. LEVEL DROPPED IMMEDIATELY TO BACKGROUND OF ~0.00 mg/m³. TWA FOR ~10 MIN. 0.16 mg/m³.

- LOAD #18 OUT @ 1610.

- LOAD #19 SOIL ~450' → 600' (8th LOAD OF THE DAY)

- OFFSITE (OUTFALL @ ~ ~~1700~~ 1650)

GV 9/19/00

- OFFSITE TAIL ~ ~~[illegible]~~ 1700

- IT OFFICE ~1715

9/19/00
[signature]
1820

CLEAR "NO"

9/20/00 - ONSITE @ TAIL @ 0730

- TAIL IT OFFICE TRAILER @ 0745

- CALL EMO SPOKE W/ ISAAC, LET HIM KNOW THAT WE WOULD BE OUT @ SITE W/ ~6 PEOPLE.

- CALL TO GENE VELASQUEZ, EXCAVATION PERMIT, TO ASK ~~HE~~ IF HE COULD COME OUT AND CHECK THE AREA NORTH OF THE OUTFALL BETWEEN THE OUTFALL AND THE BUILDING (B222). GENE HAD ME CONTACT CHULA TO SCHEDULE SURVEY. CALL CHULA, ASK TO SCHEDULE SURVEY. NEXT AVAILABLE TIME IS FRIDAY MORNING.

- SPOKE W/ LYNN KIDMAN, HE STATED THAT HE SPOKE W/ DON HICKMOTT AND THAT DON DOES WANT TO CHASE THE CONTAMINATION (IF ANY) AT THE START OF THE OUTFALL. (HENCE THE NEED TO CALL GENE V. FOR ADDITIONAL UTILITIE SURVEY).

- CONTACTED BY CHULA, GENE MAY BE OUT TODAY. IF NOT, FRIDAY @ 0800.

- CALL SOUTHERN SPOKE W/ REBA LET HER KNOW THAT WE SHOULD COMPLETE OUR INITIAL SCOPE OF WORK TODAY COB. LET HER KNOW THAT WE NEED TO EXCAVATE MORE SOIL TO CHASE SOME CONTAMINATION WE FOUND. ALSO LET HER KNOW THAT WE CAN'T PERFORM THIS ADDITIONAL WORK UNTIL WE HAVE A NEW UTILITIE SURVEY. SURVEY MIGHT BE DONE THIS AFTERNOON WHICH WOULD MEAN WE COULD DIG TOMORROW. IF NOT THIS AFTERNOON, IT WOULD BE SURVEYED @ 0800 FRIDAY HENCE WE COULD BEGIN DIGGING @ 0900 FRIDAY. ASKED HER IF WE COULD HAVE GREG + MIKE POSSIBLY TOMORROW BUT DEFINITELY ON FRIDAY. SHE SAID THAT GREG + MIKE ARE SCHEDULED FOR TRAINING TOMORROW →

9/20/00 AND THAT SHE WASN'T SURE ABOUT FRIDAY. LET HER KNOW THAT I WOULD CALL HER ~ 1600 TODAY AND LET HER KNOW HOW I MADE OUT W/ SURVEY + SCHEDULE. SHE SAID THAT SHE WOULD CHECK W/ SAME.

JESSIE GAVE SAFETY BRIEF ~ 0830

LOAD #20 (1st LOAD TODAY) SOIL FROM ~500' → 600' OUT @ 0920

PHOTOS ROLL #2
FRAME 14+15 VIEW EAST @ ~400' POST EXCAVATION
FRAME 16 VIEW WEST @ ~425' "
FRAME 17 VIEW WEST @ ~525'
FRAME 18 EXCAVATING @ ~530'
FRAME 19 WEST @ ~650'
FRAME 20 VIEW WEST @ ~625'
FRAME 21 VIEW EAST @ ~525'

LOAD #21 (2nd LOAD OF THE DAY) SOIL FROM ~525' → 625'
LOAD OUT @ ~1035.

LOAD #22 (3rd LOAD OF THE DAY) SOIL FROM 600' → 738'
~4 LOADS TO GO INCLUDING #22. OUT @ 1123

LUNCH @ 1130 → 1220

BACK ONSITE @ Ag OUTFALL @ 1245

LOAD #23 (4th LOAD OF THE DAY) ~600' → 738'. OUT @ 1325

COLLECT SOIL SAMPLES FROM OUTFALL @ 1355 GW
COMPOSITE OF BLACK SOIL HORIZON

9/20/00

LAST LOAD, LOAD #24 SOIL ~650' → 738'
OFF SITE @ ~1530

- WORK AT TAIL LAB TRAILER W/ CAROL VARGAS ON SOIL SAMPLE(S). XFF ACTING ODD. NEED TO RECALIBRATE

- BACK TO SITE ~ ~~1530~~ ~1540. PACK UP SITE

- OFF SITE @ 1550, GO TO TAIL TRAILER TO UNLOAD SUPPLIES.

- OUT OF TAIL @ 1610.

- CALL EMO @ 1615 LET THEM KNOW WE ARE OFF SITE.

- GO TO IT OFFICE @ ~ ~~[illegible]~~ 9/20/00 1715.

[signature]
9/20/00
1830

CLEAR
NICE
70' x 80'

9/21/00 - ONSITE @ TA16 @ 0730.

- LENNIE BINALE, JOE VARGAS, CAROL VARGAS, NICK ENDERS JESSIE ISH, AND G. VANDERPOEL

- JOE VARGAS WORKING ON COMPOSTING PROJECT.

- LENNIE FORGOT HIS BADGE AND HAD TO GO BACK TO TOWN FOR IT

- ONSITE @ TA16 TRAILER @ 0840.

- BRIEFING @ 0850. SHORE UP BERM + PLASTIC @ SOIL STORAGE AREA. RUN XRF SAMPLES. DECON HEAVY EQUIPMENT, SET UP SAMPLING TRANSECTS.

- H+S BRIEFING, JESSIE ISH, REVIEW H+S FOR TASKS ABOVE.

- CALL EMO @ 0903 SPOKE W/ ISAAC. LET HIM KNOW WE ARE GOING ONSITE TA-16-222

- SECURE BERM AROUND SOIL PILES.

- ONSITE @ Az OUTFALL @ 0945.

- WORK ON DECONING DUMPTRUCK, LOADER, AND EXCAVATOR. MOVE EQUIPMENT UP TO THE ROAD.

- TAKE WATER TRUCK BACK TO TA16 TRAILERS

- BREAK FOR LUNCH ~1205.

- CONTACT PAT @ IT OFFICE. PIN FLAGS ARE @ LOS ALAMOS HOME IMPROVEMENT. SEND LENNIE TO PICK THEM UP

9/20/00 HAUL NICK WAIT @ TAIG GATE FOR LONNIE.

WILL LAYOUT TRANSECTS FOR SAMPLING.

GLENN + LONNIE LAYOUT SAMPLE GRID WITH BLUE PIN FLAGS. NORTH / SOUTH TRENCH MARKED XXX WEST GV 9/20/00 XXX CENTER XXX EAST GV 9/20/00 EAST WEST TRENCH MARKED XXX NORTH XXX CENTER XXX SOUTH

BILL McCORMICK ONSITE TO WRITE UP HC DECONTAMINATION SLIPS FOR SG WESTON DUMPTRUCK, FRONT END LOADER AND EXCAVATOR. ~ 1400.

BACK TO TAIG TRAILER @ 1426

NICK ENDED OUT @ 1430.

CALL SG WESTON @ 1447 SPOKE W/ ROSA LET HER KNOW THAT THEIR EQUIPMENT (DUMPTRUCK, LOADER + EXCAVATOR) WERE READY TO GO. TOLD HER THAT I WOULD STICK THE COPIES OF THE DECON FORMS ON THE WINDOW OF THE EQUIPMENT CABS.

SPRAY DOWN SOIL PILES W/ BINDING AGENT.

PACK UP SITE EQUIPMENT (EYEWASH, DECON LINE SUPPLIES, ETC) AND ~~LOAD UP TRUCK~~ 9/20/00 GV TRANSPORT TO TAIG TRAILER

OFFSITE TAIG ~ 1718

IT OFFICE ~ 1720

9/21/00 1818

9/22/00 - ONSITE @ TAIG GATE @ 0730.

- GO TO TAIG OFFICE TRAILER @ 0745

- MEET W/ KARL VALDEZ + GENE VELASQUEZ TO HAVE AREA NORTH OF OUTFALL SOUTH OF B222, SURVEYED FOR UTILITIES. THEY FOUND A BURIED CABLE NORTH OF OUR TRENCH. CABLE WAS MARKED / SPOTTED W/ PAINT.
A PERMIT REVALIDATION WAS ISSUED.

- ROOF DRAIN PIPE ON OUTFALL STILL ACTIVE. ROOF DRAIN PIPE IS THE PIPE ON THE RIGHT AS YOU LOOK NORTH.

- SPOKE W/ LYNN, COLLECT XRF SIDEWALL SAMPLES FROM TOP OF TRENCH WALL

- INSTALL FENCE POSTS AROUND SOIL STAGING AREA

- GATHERED UP SAMPLING SUPPLIES.

- JOHN TYMKOWICH ONSITE @ TAIG TRAILER HE ASKED ME ABOUT OUR SAMPLING STRATEGY

- CLEANED SOIL BINDER OUT OF H_2O TRUCK.

- GO TO METZGER FOR ZIPLOCK BAGS.

- LUNCH ~1115 → 1145.

- ONSITE TAIG @ 1200

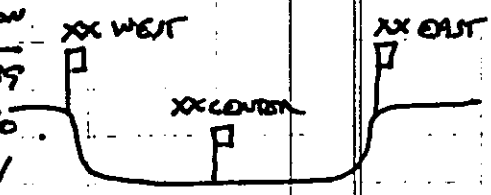
- ONSITE @ Ag OUTFALL @ 1300.

- BEGIN COLLECTING FIELD SCREENING SAMPLES @ THE 738' MARK AND WALK UPSTREAM.

9/22/00 DON HICKMOTT ONSITE @ 1414 → 1430. JUST STOPPED BY TO CHECK ON PROGRESS.

SAMPLING, FIELD, SOIL FOR XRF.
GLENN + LENNIE COLLECT.
SIEVE SAMPLES THROUGH #10 SIEVE

SAMPLE ID	LOCATION	TIME	LOCATION ID
RE16-00-~~0300~~ 1700	738' SOUTH	1335	16-06539
RE-16-00-~~0301~~ 1701	738 CENTER	1325	16-06540
RE-16-00-~~0302~~ 1702	738 NORTH	1330	16-06541
RE-16-00-~~0303~~ 1703	700 SOUTH	1338	16-06542
RE16-00-~~0304~~ 1704	700 CENTER	1340	16-06543
RE16-00-~~0305~~ 1705	700 NORTH	1342	16-06544
RE16-00-~~0306~~ 1706	650 SOUTH	1347	16-06545
RE16-00-~~0307~~ 1707	650 CENTER	1345	16-06546
RE16-00-~~0308~~ 1708	650 NORTH	1348	16-06547
RE16-00-~~0309~~ 1709	600 SOUTH	1408	16-06548
RE16-00-~~0310~~ 1710	600 CENTER	1406	16-06549
RE16-00-~~0311~~ 1711	600 NORTH	1410	16-06550
RE16-00-1712	550 SOUTH	1412	16-06551
RE16-00-1713	550 CENTER	1414	16-06552
RE16-00-1714	550 NORTH	1416	16-06553
RE16-00-1715	500 SOUTH	1425	16-06554
RE16-00-1716	500 CENTER	1427	16-06555
RE16-00-1717	500 NORTH	1428	16-06556



TYPICAL CROSS SECTION PINFLAG SAMPLE LOCATIONS

DROP OFF ABOVE SAMPLES TO ESTON @ TAIL TRAILER.

RE16-00-1718	450' SOUTH	1521	16-06557
RE16-00-1719	450 CENTER	1522	16-06558
RE16-00-1720	450' NORTH	1524	16-06559

SAMPLE ID				LOCATION ID	
9/22/00	REI6-00-1721 400'	SOUTH	1528	16-06560	
REI6-00-1722	400'	CENTER	1529	16-06561	
REI6-00-1723	400'	NORTH	1530	16-06562	
REI6-00-1724	350'	SOUTH	1531	16-06563	
REI6-00-1725	350'	CENTER	1533	16-06564	NOTE: 300' NORTH SAME SAMPLE LOCATION AS 300'-7.5 NORTH
REI6-00-1726	350'	NORTH	1534	16-06565	
REI6-00-1727	300'	SOUTH	1537	16-06566	
REI6-00-1728	300'	CENTER	1536	16-06567	
REI6-00-1729	300'	NORTH	1538	16-06568	
REI6-00-1730	250'	SOUTH	1541	16-06569	
REI6-00-1731	250'	CENTER	1540	16-06570	
REI6-00-1732	250'	NORTH	1543	16-06571	SAMPLES COLLECTED BY GLENN VANDERPOEL + LENWIC BINALE
REI6-00-1733	200'	SOUTH	1544	16-06572	
REI6-00-1734	200'	CENTER	1545	16-06573	
REI6-00-1735	200'	NORTH	1546	16-06574	
REI6-00-1736	150'	SOUTH	1548	16-06575	
REI6-00-1737	150'	CENTER	1549	16-06576	
REI6-00-1738	150'	NORTH	1550	16-06577	
REI6-00-1739	100'	EAST	1553	16-06578	WEATHER P. CLOUDY WARM
REI6-00-1740	100'	CENTER	1554	16-06579	
REI6-00-1741	100'	WEST	1555	16-06580	
REI6-00-1742	75	EAST	1556	16-06581	
REI6-00-1743	75	CENTER	1557	16-06582	
REI6-00-1744	75	WEST	1558	16-06583	IT HAD RAINED THE NIGHT BEFORE SOIL FAIRLY DRY
REI6-00-1745	50	EAST	1601	16-06584	
REI6-00-1746	50	CENTER	1600	16-06585	
REI6-00-1747	50	WEST	1602	16-06586	
REI6-00-1748	25	EAST	1605	16-06587	
REI6-00-1749	25	CENTER	1605	16-06588	
REI6-00-1750	25	WEST	1604	16-06589	
REI6-00-1751	0'	EAST	1611	16-06590	
REI6-00-1752	0'	CENTER	1610	16-06591	
REI6-00-1753	0'	WEST	1611	16-06592	

9/22/00 ~~1630~~ 1630 PACK UP SUPPLIES GET READY TO LEAVE SITE AND GO BACK TO TAIG IT TRAILER

- SG WESTON OUT TO As OUTFALL TO PICK UP DUMP TRUCK + FRONT END LOADER.

- PHOTOS ROLL #2

FRAME # 22 VIEW NORTH @ ~30'
23 VIEW SOUTH @ ~30'
24 VIEW EAST @ ~125'
25 VIEW EAST / SOUTH EAST @ ~200'

- OFF SITE (OUTFALL) @ 1645

- TAIG TRAILER LOCKED UP @ 1700

- LEAVE TAIG @ 1705

- IT OFFICE @ ~1715

9/22/00
@ 1755

CLEAR
↓
P. CLOUDY
NICE
WARM

9/25/00 - ONSITE TA16 @ 0745.
- MEET LENNIE @ TA16
- GO TO TA3 TO DAN HOLMQUIST SITE TO PICK UP PAH TEST KITS.

- BACK TO TA16 TRAILER @ ~0900.

- ~0915 MEET W/ JOHN TYMKOWYCH ~~@ ~~ GV 9/25/00 TO REVIEW SAMPLING STRATEGY FOR Ag OUTFALL SOILS. NEED TO SAMPLE EACH PILE.

- SPOKE W/ LYNN, JOE + CAROL ON THEIR WAY OUT W/ RANDY.

- ~1000 CALL KIA WYATT @ 1800 544 8881 EXT. 140 LEFT MESSAGE NEED ACCESSORY KIT.

- ~1030 FOUND ~~EXTRACTION~~ ACCESSORY KIT GV 9/25/00 FOR PAH SAMPLING.

- CALL PAT @ IT SHE IS TRACKING DOWN SOIL EXTRACTION KITS.

- ESTER DIDN'T RUN ANY XRF ON FRIDAY

- CAROL TO START XRF @ 1100, WILL RUN EACH SAMPLE 3X AND RUN A QA CHECK BETWEEN EACH INTERVAL (IE; 50' EAST 50' CENTER, 50' WEST → QA → 75' EAST, 75' CENTER, 75' WEST AND SO ON)

- SPOKE W/ LYNN SAMPLES FOR WASTE CHARACTERIZATION, TOTAL OF 8 SAMPLES, 1 SAMPLE FROM EVERY 3 PILES. (THERE ARE 24 PILES) ANALYZE FOR SVOC, VOC, PCB + TCLP METALS

- CALLED AUGUSTA @ SMO NEEDED TO GET ADDITIONAL LOCATION ID'S AND MORE SAMPLE ID #s. SHE APPROVED

9/25/00 LOCATION ID'S FROM 16-06564 TO 16-06692.
HAD #'S 16-06539 → 1606564.
FIELD SCREEN SAMPLE ID'#'S INCREASED FROM RE16-00-1749 UP TO RE16-00-1753. SHE SAID THAT THE BLOCK OF NUMBERS UP TO 1799 HAD BEEN ASSIGNED TO ME.

- GO BACK TO IT OFFICE @ ~ ~~[illegible]~~ 1230 TO WORK ON DATA TABLE

- CAROL COULD NOT CONTINUE XRF SINCE THERE WASN'T AN ESCORT.

- ESTER WAS UNABLE TO RUN ANY SAMPLES ON FRIDAY.

- CAME BACK ONSITE @ ~ 1630 TO RUN PAH. DECIDED NOT TO STAY AND RUN PAH SINCE ONLY 7 OF THE TRANSECTS HAD BEEN ANALYZED. OFFSITE @ ~ 1700.

9/26/00

CLOUD
WARM
MID 70's

9/26/00 - ONSITE @ TAIL GATE @ 0804. MEET JESSIE @ GATE. LENNIE, CAROL + DOE ONSITE @ 0848.

- MORNING BRIEFING @ 0910. CAROL TO XRF SAMPLES. GLENN WILL RUN PAH ON SAMPLES AND GLENN LENNIE + JESSIE TO COLLECT WASTE CHARACTERIZATION SAMPLES FROM SOIL PILES.

- TAILGATE SAFETY BRIEF BY JESSIE, ADDRESSING HIS CONCERNS FOR TASK ABOVE.

- JESSIE BEGINS READING UP ON PAH. TESTING.

- GLENN TO GO TO SMO TO PICK UP PAPERWORK AND BOTTLES FOR SOIL PILE WASTE CHARACTERIZATION SAMPLING.

- PAPERWORK + BOTTLES NOT AVAILABLE UNTIL POST LUNCH.

- CALL SAM GARDNER OF SG WESTERN @ 660-9866. LEFT PAGER NUMBER. RETURNED HIS CALL.

- ESCORT SG WESTERN DRIVER CHARLIE MARTINEZ IN SO THAT HE CAN PICK UP EXCAVATOR FROM Ag SITE.

- GO TO SMO + PICK UP PAPERWORK + BOTTLES FOR WASTE CHARACTERIZATION SAMPLES OUT OF Ag OUTFALL SOIL PILES. 8 SAMPLES FROM 24 PILES. COMPOSITES FROM 3 PILES (EXCLUDING VOC) TO MAKE UP THE 8 SAMPLES. PILE FOR VOC SAMPLE RANDOMLY SELECTED FROM ~~THE~~ EACH GROUP OF 3.

- REVIEW SAMPLE COLLECTION PLAN W/ JESSIE + LENNIE. BEGIN @ 1459.

9/26/00 SAMPLE #1 SOIL PILES 1, 2, 3. SAMPLE ID # RE16-00-4065
COLLECTED @ 1505 DEPTH IN PILE 6" → 8". VOC #2
→ FRAME 1

SAMPLE #2, SOIL PILES 4, 5, + 6 SAMPLE #ID RE16-00-4066
COLLECTED @ 1525 FRAME X 4 VOC #4
DEPTH ~6" → 8".

SAMPLE #3 SOIL PILES 7, 8, 9 SAMPLE ID RE16-00-4067
FRAME 5 1535

SAMPLE #4 SOIL PILE 10, 11, + 12 SAMPLE ID RE16-00-4068
FRAME 6 1548

SAMPLE # 5 SOIL PILES 13, 14, 15 SAMPLE ID RE16-00-4069
FRAME 7, 1600, VOC #15.

SAMPLE # 6 SOIL PILES 16, 17, 18 SAMPLE ID RE16-00-4070
FRAME 8, 1608 VOC # 18.

SAMPLE #7 SOIL PILES 19, 20, 21 SAMPLE ID RE16-00-4071
FRAME 9, 1611 VOC # 21

SAMPLE # 8 SOIL PILES 22, 23, 24 SAMPLE ID. RE16-00-4072
FRAME # 10 1620 VOC # 22.

SAMPLING COMPLETED @ ~1630.

CAROL + LONNIE TO DRILLING CREW @ 1700

Glenn + SESIIS OFFICE TALK @ 1720.

-4065

-4066

67

068

-4069

-4070

-4071

072

9/26/00 ~1130 JOHN TYMKOWYCH, HOLLY WHEELER-BENSON, AND ANNE ? ONSITE TO INSPECT WASTE SOIL PILE STAGING AREA. HAD CONCERNS AS TO WHAT CWE WILL DO IF SOIL COMES BACK HAZARDOUS.

9/26/00
C 1906

P. CLOUDY ~70's
CHANCE
PM RAIN

9/27/00 - ONSITE @ TA16 @ 0800
- @ TAIL TRAILERS @ 0820
- PLAN FOR THE DAY PROCESS Ag OUTFALL XRF SAMPLES
TAKE WASTE SAMPLES TO SMO. RUN PAH TEST
ON SAMPLES FROM 0'—100'.

- ESTER ONSITE @~0905 BEGIN XRF WORK.

- CAROL ONSITE ~1000 SHE TAKES OVER XRF FROM
ESTER.

- GO TO SMO @ ~1115 GLENN + JESSIE.

- CAROL STAYS W/ CREW. ONSITE TO RUN XRF

- CREW TAKES LUNCH ~1200.

- GLENN + JESSIE BACK ONSITE ~1250.

- CAROL BACK ONSITE @ ~1348. (JOE, LONNIE + ESCORT)

- BEGIN WET PAH ANALYSIS @ 1255

PAH READY TO READ @ 1455

OD450 OF CAL. #1 = ~~0.06~~ 0.14 GV 9/27/00 OD450 OF NC = 1.09
OD450 OF CAL. #2 = ~~0.14~~ 0.06 GV

0' EAST = 0.04 >1.0
0' CENTER = 0.12 <1.0
0' WEST = 0.16 NO

9/27/00	25' EAST	0.15	ND
	25' CENTER	0.03	>1.0
	25' WEST	0.04	>1.0
	50' EAST	0.03	>1.0
	50' CENTER	0.03	>1.0
	50' WEST	0.03	>1.0
	75' EAST	0.04	>1.0
	75' CENTER	0.06	<1.0
	75' WEST	0.03	>1.0
	100' EAST	0.07	<1.0
	100' CENTER	0.04	>1.0
	100' WEST	0.03	>1.0

	OD450	OD450 BETWEEN CAL1 + CAL2	OD450
UNDILUTED	> CAL.1		< CAL.2
	ND	<1.0	>1.0

CAL.1	CAL.2
0.14	0.06

- MET w/ ESTER + CONNIE, THEY WILL RIDE TOGETHER AND BE OUT BY 0800 @ TAIG. CAROL WILL BE OUT LATER IN THE MORNING. SPOKE w/ ESCORT BILL SARVER HE WILL BE AT TAIG @ 0800

- OFFLINE ~ 1700

9/27/00

CLOUDY → P. CLOUDY
CHANCE RAIN
WARM

9/28/00 – ONSITE @ TAIL @ 0800. MET BILL SARVER, JESSIE ISH.

– LENNIE + ESTON ONSITE @ 0828

– MORNING BRIEFING @ 0840. PLAN TO FINISH XRF SAMPLING AND COLLECT 14 SAMPLES (8 FROM THE UPPER SECTION, 2 FROM EACH OF THE 4 LOCATIONS ~0"-6" + 24" AND 6 FROM THE LOWER SECTION 2 EACH FROM 3 LOCATIONS)

– REVIEW XRF DATA FROM LAST NIGHT. UPDATE SPREADSHEET. DATA FOR 450' SOUTH MISSING, ASK ESTON TO RUN SAMPLES.

– SEND ~~[illegible]~~ GW LENNIE + BILL (ESCOTT) TO SMO TO PICK UP ~~[illegible]~~ 40 125ml GLASS JARS. ALSO NEED A COOLER.

– WILL BEGIN SAMPLE COLLECTION IN LOWER THIRD 400'-738'
LOCATION 400' NORTH WILL BE SAMPLED BECAUSE IT IS HIGH Ag @ 1674. LOCATIONS 500' CENTER + 700 SOUTH WERE SELECTED @ RANDOM.

– GATHER ALL SUPPLIES, LUNCH @ 1115 → 1145

– GO TO OUTFALL SITE. CALL EMO NOTIFY OR WORK SPOKE w/ JOLINE let her know that we are going out to the Ag outfall, south of BZZZ.

						PHOTO
1)	400' NORTH	0-6"	RE16-00-0300	, 16-06562	@ 1305	11
2)	"	24"	RE16-00-0301	"	@ 1330	12

9/28/00 STEVE VEENIS ONSITE @ 1230 TO LOOK AROUND. HE LIKED THE IDEA OF USING THE AVAILABLE FALLEN TREES + ROCKS AS ENERGY BARRIER. WE MAY NEED TO SUPPLEMENT THAT W/ WADDLES. HE WILL ALSO DRIVE OUT SEED FOR US TO SPREAD.

						PHOTO
3)	500' CENTER	0-6"	RE16 00 0302	16-06555	@ 1355	13
4)	500' CENTER	24"	RE16 00 0303	16-06555	@ 1420	14
5)	700' SOUTH	0-6"	RE16-00-0304	16-06542	@ 1450	15
6)	700' SOUTH	24"	RE16-00-0305	16-06542	@ 1510	16

GO BACK TO TAIL TRAILER.

7)	75' WEST	0-6"	RE16-00-0306	16-06583	@ 1645	17
8)	75' WEST	24"	RE16-00-0307	16-06583	@ 1655	18
9)	25' EAST	0-6"	RE16-00-0308	16-06587	@ 1720	19
10)	25' EAST	24"	RE16-00-0309	16-06587	@ 1730	20
11)	25' CENTER	0-6"	RE16-00-0310	16-06588	@ 1755	21
12)	25' CENTER	24"	RE16-00-0311	16-06588	@ 1810	22
13)	0' CENTER	0-6"	RE16-00-0312	16-06591	@ 1833	23
14)	0' CENTER	24"	RE16-00-0313	16-06591	@ 1845	24

SAMPLING COMPLETED @ 1900.

- OUT OF TAIL @ ~1945

- IT OFFICE @ ~ 2000.

9/28/00

Clear
P. Cloudy
Warm

9/29/00 - ONSITE @ TAIG @ 0800.
- MET W/ JESSIE ISA + ESCORT. ASKED ESCORT TO WAIT FOR LENNIE. HE WILL WAIT UNTIL 1000
LENNIE ONSITE @ 0938.
- PREPARE ALL SAMPLING PAPERWORK.
- LOOK OVER SITE INTO FOR PSIA COMPLETION.
- ONSITE @ 1035

1) 200' CENTER 0-6 RE16-00-0314 @ 1050 ROLL 3 FRAME 25
2) " 24" RE16-00-0315 @ 1102 ROLL 4 FRAME 1

3) 300' NORTH 0-6 RE16-00-0316 @ 1122 ROLL 4 FRAME 2
4) 300 NORTH 24 RE16-00-0317 @ 1140 ROLL 4 FRAME 4
6V

DUPLICATE { 5) 300 NORTH 0-6 RE16-00-0318 @ 1122 ROLL 4 FRAME 3
6) 300 NORTH 24 RE16-00-0319 @ 1140 ROLL 4 FRAME 5

7) 350' CENTER 0-6" RE16 00-0320 @ 1200 ROLL 4 FRAME 6
8) 350' CENTER 24" RE16 00-0321 @ 1220 ROLL 4 FRAME 7

- COMPLETE SAMPLING ACTIVITY @ 1225

- LEAVE Ag OUTFALL SITE @ 1227

- GO TO TAIG TRAILERS TO UNLOAD SAMPLING SUPPLIES. @ 1240

- GO TO SMO TO DROP OFF SAMPLES. @ 1248

- IT OFFICE @ ~1350

[signature] 9/29/00 @ 1972

CLEAR
COOL
HIGH TODAY ~MID 50'' LOW 60''

10/16/00 - PLAN TO WORK ON RESTORATION OF Ag OUTFALL SITE
- CREW : GLENN VANDERPOOL, FTL, BOB MONSALVE-JONES, SSO.

List of ER SOP's Applicable to work at the Ag Outfall
PRS16-020

ER-SOP-1.01, Rev.0 General Instructions for Field Investigations	03/16/92
~~ER-SOP-1.02, Rev.0 Sample Container and Preservation~~	~~03/16/92~~
~~ER-SOP-1.03, Rev.1 Handling, Packaging and Shipping of Samples~~	~~05/05/94~~
~~ER-SOP-1.04, Rev.3 Sample Control and Field Documentation~~	~~11/15/95~~
~~ER-SOP-1.05, Rev.0 Field Quality Control Samples~~	~~03/16/92~~
~~ER-SOP-1.06, Rev.1 Management of ER Wastes~~	03/22/96
~~ER-SOP-1.07, Rev.0 Operational Guidelines for Taking Soil and Water Samples in Explosive Areas~~	~~03/21/95~~
~~ER-SOP-1.08, Rev.0 Field Decontamination of Drilling and Sampling Equipment~~	~~03/31/95~~
~~ER-SOP-1.10, Rev.0 Waste Characterization~~	~~05/22/96~~
~~ER-SOP-1.12, Rev.0 Field Site Closeout Checklist~~	08/02/99
~~ER-SOP-6.09, Rev.0 Spade and Scoop method for Collection of Soil Samples~~	~~03/16/92~~
~~ER-SOP-6.14, Rev.0 Sediment Material Collection~~	~~03/16/92~~
~~ER-SOP-10.06, Rev.1 High Explosives Spot Test~~	~~05/31/97~~
~~ER-SOP-10.08, Rev.0 Operation of the Field Portable XRF Instrument~~	~~08/23/95~~

GV 10/16/00

GV 10/16/00

- ONSITE @ TAIL TRAILER @ 1100

- TAILGATE SAFETY BRIEFING. 1105 BOB MONSALVE-JONES GLENN VANDERPOOL. ACTIVITIES SITE RESTORATION. EQUIPMENT IN PICKUP, CAT 416C AND/OR CAT 307B.

- INSPECT SITE, ESTIMATE ~120 CU YDS CLEAN SOIL FOR BACKFILL NEEDED. RESTORE ACTIVITIES ~ 1 WEEK ~2 DAYS CLEAN FILL ~2 DAYS LABOR CREW ~2-3.

- EXCAVATION INSPECTION PERFORMED @ 1115 - 1120.

- OFFSITE, Ag OUTFALL @ ~1140

- OFFSITE, TAIL @ ~1150

- RAIN @ 1400, HEAVY w/ SOME SLEET.

10/16/00 CONTACT LeFARGE IN SANTA FE @ 471-6456, SPOKE W/ TARA. OBTAINED QUOTE FOR 1" BASECOURSE GREY @ $7.05 TON. NEED 5 TRUCK LOADS OR 65 TONS. DELIVERY PER TRUCK IS $110- WHICH INCLUDES ~ 1/2 HOUR TO GET TRUCK INTO TAIL AND OUT. TARA WILL GET DRIVER NAMES + SOCIAL SECURITY NUMBER FOR THE 1812. DELIVERY TO START ON WEDNESDAY 10/18/00 @ 0830 @ TAIL GATE. (1 CUYD = ~ 1.3 TONS). DRIVER INFO TO BE CALLED + FAXED ON 10/17/00.

Glenn VanDerpool 10/16/00

WEATHER
CLEAR, COOL
~~EXPECTED HIGH MID 50's~~
CHANCE (SLIGHT) PM SHOWERS.

10/18/00 • ONSITE @ TAIL @ 0758
• GO TO MEET KATHERINE MARTINEZ TO HAVE HER APPROVE NEW 1812 FORM WHICH ADDED TRUCK DRIVER FOR THE LAFARGE DELIVERIES.
• GO OUT OF TAIL @ 0815 WAIT BY ROAD (W SEMEZ RD) FOR LAFARGE TRUCKS.

- LANL SOP'S FOR TODAY'S ACTIVITIES:
ER-SOP-01.01, REV. 0 GENERAL INSTRUCTIONS FOR FIELD INVESTIGATIONS.

- IT STAFF TODAY ARE: GLENN VANDERPOEL, FTL AND ROBERT MONSALVE-JONES, SSO. TAILGATE SAFETY @ 1000

- TODAY'S TASKS, DELIVER CLEAN BASECOURSE TO Ag OUTFALL SITE FOR USE AS BACKFILL. NEED TO STABILIZE EXCAVATED AREAS. ALSO NEED TO BEGIN SITE RESTORATION ACTIVITIES

- EQUIPMENT: IT PICKUP, DUMPTRUCKS, AND CAT 307B TRACKHOE.

- ADDITIONAL PLAN/TASK TO COMPLETE TODAY: TAKE DOWN SITE BOUNDARY ROPES. BASED UPON FIELD XRF TOTAL SILVER VALUES, NO SAMPLE INDICATES SILVER IN EXCESS OF EPA'S REGION VI ~~PRELIMINARY~~ 6V 10/18/00 INDUSTRIAL RISK BASED LEVEL FOR Ag OF 6,400 mg/kg.

- REMAINING SITE WORK WILL BE ON A NON-HAZARDOUS (CHEM/RAD) WORKSITE.

- 0900 TWO TRUCKS FROM SALAZAR TRUCKING ONSITE GV 10/18/00 TO DELIVER BASECOURSE. OBTAIN SAFE WORK PERMIT FOR TRUCKS FROM BILL McCORMICK. TRUCKS OFFSITE @ 1015.

10/18/00 - CALL TARA @ LAFARGE, WANT TO INCREASE ORDER FROM 5 LOADS TO 8 LOADS.

- NEXT TWO LOADS OF BASE COURSE ONSITE @ 1255. TRUCK OFFSITE @ 1315.

- ONSITE @ Ag OUTFALL @ 1330.

- WORK ON BACKFILLING EXCAVATION.

- INSPECTION OF EXCAVATION @ ~ 1005

- OFFSITE @ ~ 1535

Glenn Vanderpool

10/18/00

MM

P. CLOUDY
COOL
MID 90's

10/19/00 - GO TO TAIL TO LOOK FOR PUMPTRUCK NO TRUCK GO TO METZGER TO FIND IT PICKUP.

- CREW TODAY GLENN VANDERLOO + DARRON MORRIS.

- PLAN FOR THE DAY, RECEIVE 4 TRUCKLOADS OF BASECOURSE. FLAG SAMPLE LOCATIONS WITH ELEVATED SILVER. SPREAD BASECOURSE.

- LANL SOP'S FOR TODAY'S WORK
  ER-SOP-01.01 REV. 0 GENERAL INSTRUCTIONS FOR FIELD INVESTIGATIONS.

- FIRST LOAD OF BASECOURSE (TRUCK/DELIVERY #5) ONSITE @ ~0955 OFFSITE TAIL @ 1020.

- TAILGATE SAFETY MEETING @ ~1025

- SECOND LOAD OF BASECOURSE (TRUCK/DELIVERY #6) ONSITE @ 1155

- LUNCH 1205 → 1145

- ONSITE @ Ag OUTFALL @ ~1300

- EXCAVATION INSPECTION. OUTFALL FILLED IN ~ 60 CU YDS. BASECOURSE.
  EXCAVATION CLOSED.
- LAST TWO LOADS OF LAFARGE BASECOURSE ONSITE ~ 1445 TRUCKS OFFSITE @ ~ 1505.

- INSPECT SOIL PILES. PART OF COVER BLOWN OFF. RECOVERED PILES AND RESECURED TARP. ~1515 - 1600.

- BACK TO Ag OUTFALL MOVED 307B TO TOP / Ag OUTFALL ENTRY ROAD.

10/19/00 307B PARKED UP @ TOP OF OUTFALL BY ENTRANCE

- SECURE SITE @ 1630

- DROP OFF EQUIP. @ TAIL IT TRAILON @ 1635

- OFFLINE TAIL @ 1645

Glenn VanDeusen

10/19/00

RAIN
COOL
40's → 50

10/23/00 ~1300 GO TO TA16 TO PICK UP 1812 + HC DECON SLIP. 1812 FOR RUST RENTAL DRIVER + DECON SLIP FOR CAT 307D TRACKHOE. OBTAIN 1812 FROM KATHERINE MARTINEZ AND HC DECON SLIP FROM BILL McCORMICK.

- IT STAFF TODAY: GLENN VANDERPOEL. FTL.
- IT EQUIP. PICKUP #71139

- LANL ER SOPS FOR TODAY:
  ER-SOP-01.01, REV.0 GENERAL ~~SOP~~ GU INSTRUCTIONS FOR FIELD INVESTIGATIONS. 10/23/00.

- 1425 RECEIVE (PAGE) CALL FROM STEVE @ RUST RENTAL. DRIVER JUST OUTSIDE OF LOS ALAMOS. HE SHOULD BE @ TA16 BY ~1500.

- WAIT @ ENTRANCE TO TA16 FOR RUST RENTAL DRIVER. HAVE AN EXCHANGE BADGE READY FOR HIM. DRIVER SHOULD BE THOMAS GALVIN.

- RUST RENTAL DRIVER + TRUCK ONSITE/TA16 @ 1445. LOAD 307B + 2 LIGHT TOWERS THAT HAD BEEN STAGED @ THE IT TA16 TRAILER. OFFSITE TA16 (RUST TRUCK) @ ~1630

- BACK TO IT OFFICE @ ~1650.

GLN 10/23/00 Glenn Vanderpoel

CLEAR
+ WARM
~68°

5/10/01 Glen VanDerpool

- ONSITE TAIL PARKING LOT @ 0745 - GO TO ACCESS CONTROL FOR UNCLEARED BADGES.
- 3 MCT TRUCKS ONSITE, 4th DRIVER DID NOT REPORT TO WORK
  MCT DRIVERS : BRIAN SPENCER, ROBERTA SPENCER
  RICHARD MARTINEZ

- KEN HALE ONSITE ~0740, PERFORMED EQUIPMENT INSPECTION ON VOLVO L120 LOADER ON RENT FROM HERTZ.

- KEVIN REID, LOUIE ROMERO, + RICH UNIE (IT SSO) ALSO ONSITE.

- CONDUCT SITE BRIEFING IN TAIL PARKING LOT
  ATTENDING: BRIAN, ROBERTA, RICHARD, LOUIE, KEVIN, RICH + GLENN. TOPICS: SECURITY, ESCORTING, NO SMOKING CELL PHONES, DUST CONTROL, GENERAL H+S

- ENTER TAIL @ 0815. STOP @ ACCESS CONTROL TO OBTAIN VEHICLE PERMIT FOR 3 MCT TRUCKS + LOADER. MCT TRUCK TAGS: WD40272, WD6825, + WD6827. LOADER VOLVO L120. PERMIT # 14721 ISSUED BY BILL McCORMICK

- ONSITE @ ~0845. CONDUCT FINAL H+S BRIEFING. HAVE CREW SIGN PROJECT SSHASP + TAILGATE SAFETY FORM.

- REMOVE COVER FROM SOIL PILE. @ 0900

- JOHN TYMKOVYCH ONSITE ~0850 - 0900 TO REVIEW MANIFEST FORMS

- BEGIN LOADING @ 0910 TRUCK # RZ900 LOAD #1

5/10/01

- LOAD TRUCK # R3600 LOAD #2 @ 0915
- LOAD TRUCK # 5800 ~~[illegible]~~ GV LOAD #3 @ 0920.
- GO TO TASY TO DROP LOADS LEAVE TASY ~1030.
- RETURN TO TASY @ ~1045
- BEGIN LOADING LOAD #4 @ 1055 LOAD COMPLETED @ 1059
  → TRUCK # R2900
- ORLANDO ARCHULETA ASKED TO HAVE US PAGE HIS PAGER AND ENTER 1234 WHEN THE TRUCKS LEAVE TASY.
  ORLANDO'S ~~PAGER~~ CELL 699 4012 PAGER 996 0978
- BEGIN LOAD # 5 @ 1100 FINISH @ 1105 TRUCK R3600
- BEGIN LOAD #6 @ 1107 FINISH @ 1114 TRUCK # 5800.
- TRUCK OUT OF TAIL BETWEEN 1109 → 1116.
- PAGE ORLANDO @ ~ 1112.
- TRUCKS BACK ONSITE @ 1158
- LOAD # 7 TRUCK # R2900 BEGIN LOADING @ 1159 FINISH @ 1205.
- LOAD # 8 TRUCK # R3600 BEGIN LOADING @ 1206 FINISH 1214.
- LOAD #9 TRUCK # 5800 BEGIN LOADING @ 1217 FINISH @ 1218.

BREAK FOR LUNCH @ 1223.

- HERTZ DROPPED OFF CASE 580L BACKHOE @ ~1100.

5/10/01

- TRUCKS BACK ONSITE @ 1411.

- LOAD #10, MCT TRUCK # R2900, BEGIN LOADING @ 1415
  FINISH LOADING @ 1420

- LOAD #11 MCT TRUCK # R3400 BEGIN LOADING @ 1421
  FINISH @ 1432

- LOAD #12, MCT TRUCK # 5800 BEGIN LOADING @ 1435
  FINISH @ 1455

- ARRIVE TASY AREA J @ 1520. TRUCKS DUMP LAST LOADS @ ~1531.

- TRUCKS OFF SITE (TASY) BACK TO MCT AREA @ 1535

- LOUIE PERFORMS HE SPOT TEST OF VOLVO LOADER L120. 4 SWIPES FROM BUCKET, 2 PER TIRE, 1 FROM CAB. TOTAL OF 13. ALL NEGATIVE FOR HE. TESTED @ ~1550.

- FOLD UP SOIL TARPS AND PLACE IN STORAGE BEHIND STORAGE TRAILERS

- APPLY SEED MIX AND LAY OUT STRAW MULCH.

- CLEAN UP + SECURE SITE. OFFSITE @ ~ 1700.

5/10/01

LIGHT BRIEF RAIN → P.CLOUDY ~70°

5/11/01

- PREPARE TO GO TO TAIL. GO TO STORAGE UNIT TO PICK UP SPIKES + ALUM. PLATES. ~ 1000
- ONSITE TAIL @ ~ 1100
- PERFORM EQUIPMENT CHECK ON CASE 580L BACKHOE.
- LUNCH @ TAIL CAFE
- OBTAIN HE VEHICLE PASS FOR CASE 580L BACKHOE FROM BILL MCCORMICK. PICKUP TAIL PAGER.
- ONSITE TAIL ~ 1200 (IT TRAILER)
- STAKE OUT 4 CORNERS OF WASTE STAGING AREA W/ SPIKES + ALUM PLATES.
- TAILGATE SAFETY MEETING, GLENN VANDERPOOL + KEN HALE.
- ONSITE @ Ag OUTFALL @ ~ 1230.
- STAKE ALL SAMPLE LOCATIONS W/ BRASS LOCATION ID TAG, + ALUM PLATE. STAKE IN PLACE W/ 12" SPIKE.
- USE CASE 580L BACKHOE TO LAYOUT ~ 20 yd³ OF CLEAN BASECOURSE. BASECOURSE PLACED IN ERODED AREAS. ALSO USED BACKHOE TO MOVE ALL AVAILABLE LOCAL MATERIAL (ROCK + DEAD FALLEN TREES) INTO ERODED AREAS.
- CLEAN OFF BACKHOE.
- DEMOBE FROM Ag OUTFALL BACK TO IT OFFICE TRAILER.

5/11/01

- DEMODE BACKHOE ~~FROM~~ GV FROM TA16 HC CORRIDOR. OBTAIN RELEASE SLIP FROM BILL McCORMICK DROP OFF PACER. AT ACCESS CONTROL. PARK BACKHOE IN TA16 PARKING LOT

- DEMODE VOLVO L120 LOADER FROM HC CORRIDOR. HAD HC RELEASE SLIP ISSUE BY BILL McCORMICK ON 5/10/01. MODED UNIT TO TA3. OUT OF TA16 BY ~ 1530.

- ARRIVE @ TA3 @ ~ 1600. DROP OFF VOLVO LOADER

- BACK TO IT OFFICE @ ~ 1615.

5/11/01

7/2/01

- ~0810 MEET BILL KOPP @ PUEBLO. LOAD GEAR AND HEAD OUT TO TAIL.

- CHECK IN @ ACCESS CONTROL @ ~ 0845.

- STOP BY IT OFFICE TRAILER AND PICK UP CAMP RADIOS.

- SET UP ON REFERENCE POINT A1607 BACKSITE REF. POINT IS PAJARITO TOWER. (POINT 800)

- SET UP TRAVERSE POINT 10 OFF OF K SITE ROAD.

- FINISH SURVEY OF SAMPLE LOCATIONS @ ~1215

- DROP OFF PAGER @ TAIL ACCESS CONTROL @ ~1230.

- BACK TO PUEBLO @ 1300.

9-6-01

~9:00 ARRIVE AT TA-16 Access control; Checked in and aquired ERb badges for trucks/drivers.

~9:20 conducted tail-gate; begin Bmp maintenance.

-Equipement used: NON-sparking hand tools, chain saw, heavy equipement (Front end loader, dump trucks)

-Safety equipement - Hard hat, orange vest, chaps and face guard for chain saw. (Level D? Heavy equip.)

- Vehicles; white two wheel drive IT truck.

~11:30 - First Load of Rock arrives; final load was 12:30

1st Load ~ 12.58 wt/tons
2nd Load ~ 13.73 wt/tons
3rd Load ~ 12.95 wt/tons
4th Load ~ 13.41 wt/tons
TOTAL 52.67 wt/tons

~12:30 - final Load.

~1:15 - BMP maintenance - (Jute matting installation)

~2:45 - Rick and Randy Return with Large Rock MDAP

-3:15 - Rick and Randy go for 2nd Load of Rock from MDAP

-3:45 - Rick and Randy return w/ 3rd Load from MDAP

-4:15 - 4th Load from MDAP → TOTAL 4 LOADS from MDAP

4:35 - Leaving site; Going to aquire a HE Release on Dump truck and Return to HERTZ.

9/7/01

8:30 ~ ARRIVED AT TA-16; (ACCESS control)
Checked in (Gary Garcia, Ricky Schattel, Roberte torres, Russel stone). New 1812 was signed and ERbi were aquired.

9:15 ~ Tail Gate was conducted by Russel stone; all the above ~~pl~~ + Steve Veenis & Harvey Decker were present.
Equipment Used: Hertz Dump truck (Hard Hat & Safety vest) Level D
Safety Equip. 3:2WD Chevy IT Pickup (Non-sparking tools, gloves)

9:25 ~ Ricky begins placing Rock in lower channel.

9:35 ~ Walked area and discussed game plan with Steve Veenis, and Harvey Decker; Discussed access to MAN hole areas and BMP Placement.

11:15 Three La forge trucks ARRIVE at gate, fourth did not show until 11:45 (±5 min).

12:00 ~ First Load of Rock dumped at site; 13.65 wt/tons
2nd " " " 13.04 wt/ton
3rd " " " 14.18 wt/tons
4th " " " 13.71

12.30 TOTAL → 54.58 wt/tons

12:40 ~ Trucks exited TA-16 (4 of 4)

1:40 ~ Returned ERb To access control.

1:50 ~ Ricky Continued placing large rock throughout PRS.
- Placed wattles and strawbales in channel areas
- filled Gabions w/rock and placed them
- Used up all rip rap and took Loader to trailer.

5:20 ~ Leaving TA-16; back to office

9-10-01

0815 Asked to escort workers to silve outfall
0910 leave to TA-16 A. Bird & R. Mansalve-Jones
0920 Tailgat on ride out
Planned activities - fuel loader, get storage locker key
have loader cleared (H.E.), get seed & multch.
Seed & Multch silver outfall.
General: Slips, Trips & Falls, Diesel fuel
0930 Meet J. Gardinio at CMR parking to get copy
of escort paperwork.
1000 At TA-16 access control
1030 At TA-16 HEPS Trailers - arrange for HE
spot test of loader.
1045 spot test of loader - Right Rear Tyre positive
Technician suggested taking loader to Bldg 400
and cleaning there.
1100 Leave TA-16, to Metzges & fill diesel fuel tank
1120 To storage locker to get seed. Hand time opening
the lock after finding locker.
Locker is 808B.
1130 Head back to TA-16, Out to TA-49 to get
straw.
1145 At TA-49 attempt to open lock.
Our lock taken out of chain. unable to access.
1155 Contact EM&R 667-6211 - Doug notified me
that TA-49 is closed to access all day due to
activities at DANDHART.
1205 Lunch
1245 Lunch over - TA-16 HEPS Trailers & to silver outfall
spread seed.
1430 Done, start heading back.
1455 Drop excess seed off at storage bin.
1505 To Metzges to get copies of storage bin keys.
Glen calls, ask bird & I go to TA-16 so I can

9-10-01 continued.

escort Bam-Bam to get loader deconned

1520 No key blanks; cannot get copies. On way to TA-16.

1540 AT TA-16, meet Bam-Bam & Elmer. Decon loader

1605 Leave TA-16. Loader released

1625 Back at office.

9-11-01

0900 Carol returns with stakebed Truck
0905 Tailgate safety meeting - R. Monsalve-Jones, Carol Vargas, Alex Bird.
Planned - Go To TA-49 get Straw, Go To TA-16, spread mulch + Fertilizer.
General - slips, Trips + falls, Lifting
0920 Leave office.
0940 At TA-16 - unload stakebed + get gloves
1005 On way To TA-49, get call - all field operations are cancelled. Field Teams Return To office.
1030 back at office.
Carol + Alex Return stakebed To Rocklo complete

9-12-01

0800 AT office C. Vargas To Pueblo To get stakebed Truck
0850 Stakebed back, J. Bird here.
Tailgate safety meeting -
Planned activity - spread mulch.
General - Slips, Trips + Falls, heavy lifting.
0905 leave To get gas
0910 leave To TA-49
0930 AT TA-49, get straw, found mice in straw
caution about snakes and urine/feces from mice.
0950 Leave TA-49, Return To office - get escort papers.
1015 leave office To TA-16
1035 AT TA-16, sign in
1045 AT Silver outfall start unloading straw.
1200 Lunch
1245 Lunch over
1415 Out of TA-16, To TA-51
Pickup 2 4'x8' plywood sheet
1430 Return To office
Carol + Joe Return stakebed to Pueblo.

Appendix 2

Project Site Safety Officer's Field Logbook, ER Document Number ER2000-0526

ER 2000-0526

TA-16 Silver Outfall Interium Action cleanup for Potential Release site 16-020 (299SSHAPS)
Jessie A. Ish S.S.O

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Glenn VanDerpoel, CHMM
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C. 920-5404

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O. 505. 661. 5200

Linda G. Chapman
D.L. 505. 661. 5280

Daniel A. Sandoval SSO/IH Support/RSP
Cell: 699-1318 — 699-1093
Pager. 665-9300 104-3281 or 104-3281

Scott Wimer
C. 920-9417

Monday 11 Sept. 2000

1000 Out to TA 16 Trailers for Kick off meeting. I did the review of the SSHAP.
Dan Sandovial gave the okay for drinking fluids to be w/truck in support zone.
Tree cutting has to have an amendment to the SSHAP. Suppose to do it when I get back in office.
Walked on site with Lynn Kidman, Glenn Vandepol, Dan Sandovail and myself. Discussed burnt trees. Bad one half way down. Needs to be removed.

~~Add~~ Also on site with us was Don Hickmott. He was discuss how wide the contaminated Soil was spread out. Do samples to confirm

Back to office: Gathering supplies, doing chain saw amendment.

12 Sept. 2000 Tuesday

0700 . office to meet w/ Glenn to head out on site.

0800 Out on site: Did SSHAP review with then down to Silver Outfall to setup.

~~0805 Briefed Michael Garcia on SSHAPs.~~ JS

Joe and Carol Vargas.

Wednesday 13 Sept. 2000

0700 office - gathered supplies to go to site Suppose to meet Elmer at gate to get through security.

07.45 Sitting at Gate with supplies. Glenn here also. Work plan for today - tree cutting & shrubs possible start digging

0840 Tail Gate meeting at TA16 Trailer. Reviewed Chainsaw amendment. Everyone signed

Silver Fall out ~~fall~~ - chainsaw cutting - Taking out trees for heavy equipment to move in Exclusion Zone. Also removed dangerous trees. Elmer had to be stopped - wasn't letting trees free-fall - using one hand to push. One tree which was burnt at base over 8% got hung up in trees when it came down. Stopped all work until a nylon strap and come along to roll tree down to fall. Dan Sandoval on site.

1230 lunch

1330 AT TA16 Trailer - discussing work for afternoon - finishing cutting tree and pictures of site setup and sampling flags.

1400 finish setting up support zone. Joe U. and Elmer cut up a tree - ready to be moved. Taking pictures

1430 Lynn Kidman, Glenn and Sam Gardner on site. Briefed them on all safety topics and sign in

1530 All off site and gone to TA16 Trailer. Unload trucks

1600 off Lab. property heading to office.

1630 In office gathering sample numbers for Lynn made signs. Order signs. Left office for day at 1725.

Note: Asked Sam for all certs for his crew

14 Sept. 2000 Thrusday

0700 At TA16 gate waiting for Glenn to pick me up to go through security to site — gd

0715 discussing issues w/Glenn that Dan Sandoval is concerned with. 1) Water Suppression 2) Long Sleeved T.Shirt in EZ. 3) Ism Integrate w/safety, mangement 4) oil leaks 5) Heavy Equipment checked 6) Cosmectics + LipBalm being applied in EZ and S.Z. Glenn wants me to look through SSHAPS to see about these things. — gd

0805 Briefed Michael Garcia on SSHAPS - had him sign — gd

gd ~~0806~~ 0806 Taking Michael Garcia out worksite. — gd

0830 TA16 Trailer doing paperwork — gd

0844 Called Lynne Chapman to have her pull up on PC 29 CFR 1910.120 pick up tonight. — gd

0855 Equipment inspection with S.G. Construction (Darby) Not impressed with inspection - Clean equipment

0927 Darby and speed with heavy equipment - Glenn was watching with me - said he would take care of it. Trying to get all of S.G western Constrution crew paperwork. — gd

01015 Talked w/Dan. He is okay with all safety issues he was concerned with

1034 Onsite (silver Outfalls) Everyone sign in and read Safety Brieling — gd

1110 Moving zone for dump truck to ~~land~~ move close to EZ line so not to be in EZ. Backhoe in exclusion zone.

1130 Tail light (L) No back up Alarm on dump truck told Glenn. Said he would take care of it

1158 Water truck on site

1215 TO TA16 Trailer Muster for lunch

14 Sept., 200 Thrusday

1325 TA 16 - Trailer
1330 Darby on Silver Outfall site w/o anyone else
1345 Tired to calibrate mini ram - couldn't get Glenn tired also
1415 Changing lines on zones - Found utility cable in 50 foot marker in dig area. Waiting for someone to say it is dead. Glenn went to TA 16 trailer to call Dan Sandoval. Now we are waiting for him. Also Bill McCormick - Roscoe M Baines - Roger Golder
1416 Dan on site - tif tracer to test wire - According tester wire is dead. But McCormick says wait for Electrican. He has gone to get him. Everyone waiting onsite
1544 Dan & I measuring distant between break and structure No. TA-16-620 Designation Barricade 16-620 to break 44' 7" East side.
1601 Volt probe tested by Elmer under the direction Roy. Gene Vezasquez shut down job until the and Karl Valdez do a re-elevated buried lines
1605 Mike Garcia stated he lost a shovel full of dirt off liner. Elmer to check it out per Glenn.
1630 To TA 16 Trailer - Glenn and I charged eyewash. Had to take it off site for air, then back to site. Glenn will be gone tomorrow morning. Lynn Kidman to take his place.
1710 off site heading to office.
1730 office checked mail & messages

Friday 15 September 2000

0715 AT TA16 Gate waiting to be picked up

0739 Checking on SG Western equipment - Komatsu Avance PC120 - Good Back up alarm - No extinguisher - lights good - seltbelts good

0744 SG truck 74-020 leaking oil. Asked to Glenn about stored soil - covering up piles. He stated we didn't have to yet. Concerned about wind blowing soil towards TA16 Trailer.

Asked Glenn if he talked to Darby about his speed onsite. He said NO.

0900 11:48 settings for DBA pre cal. Quest Calibrator
SNB020012 Post Cal. 114.3 Cal. Exp. March 01 QE8020037

0905 Dan Sandoval checking equipment

* Note: Roundtable w/ Dan & with me and Glenn before going in.

Wipe ~~the~~ grease from arm joint. and bucket

0930 laying plastic at TA16 where soil piles are stored.

4:50 Talked w/ Irene in office she needs copies of all my files tonight back to Silverado Trail.

1034 DBA in truck - okay with windows up out exceeds if windows open and dirt being dropped in. Recommended keeping windows up. Ground back hoe operations okay - still below 71.3

1138 Dan concerned about dust when dumping loads, but I told him we have 2 minutes and it clears in about 20 to 30 sec. He wanted us to wet load down before leaving site to stockpile. Told him if we did that then there was a possibility it could run out the back of truck. We decided to cover. He was satisfied

1346 Shutting operations down due to thunderstorm in the mountains.

1432 ~~Help clear build b~~ Built Bermin with Glenn around 3ft soil piles. Unloaded pickup. To Corporate office.

8

18 September Monday

0740 TA16 Trailer - loading truck, typing Safety Briefing

0830 Silver Outfall - setup Support zones with Supplies - Decon zone.

0840 Safety Briefing

0915 Daily inspection Checklish

0945 Completed

1000 Asked Mike Garcia for copie of his CDL to put in field files.

1005 Dan Sandoval on site

1100 Dan concerned with trench on east site of excavation. Tied red ribbion around rope and came over trench with read ribbon.

1330 Don Hickmott and W. Woodworth on site walking around. Also watch storm system swirling around.

1512 Mike Garcia taking front end loader into EZ to load dump truck.

1530 Watching Greg Meyer with forklift. Running rope ~~to~~ to EZ.

1630 Signed out left site

JL

19 Sept. 2000 Tuesday

0740 Typed safety meeting - put supplies in truck to take to Silver Outfall site -

0750 Safety Brieting at TA 16 Trailer - Gave guys binders

0900 On site at silver Outfall setting up site.

0945 Having Lennie wet down soil to keep dust down Glenn went to get oil for heavy equipment.

1025 Watertruck - I was concerned about it being in EZ - deconing it before coming out. Updated Work zone (site map). Took Coppertone sunscreen to be taken off site.

1055 Talked to Glenn about entrance into site. Need to do something with holes - Will move big rocks off road.

1130 Dan Sandoval wants ladder to be used to put plastic onside of truck

Will get Ladder & make sure crews are properly trained in Ladder use.

1328 Meeting w/ Lonnie Sanchez, Linda Randolph, Lynn Kidman. Lonnie ~~Seth~~ Sanchez, SPHR - STAFF RELATIONS SPECIALIST - Los Alamos National Laboratory - Staff Relations (HR-8) Box 1663 Mail Stop P126 - Los Alamos, NM 87545 Phone: (505) 667-8730 Fax: (505) 665-0400 email lsanch@lanl.gov, Linda Randolph - Human Resources Representative - HR/ESH Division - P.O. Box 1663 Mail Stop K491 - Los Alamos, N.M. 87545 - Phone (505) 667-7940 (v) TTY (505) 667-1418 Fax (505) 665-3811 E-mail lindar@lanl.gov on the incident with Dan Sandoval Friday the 15th

Wednesday 20 Sept. 2000

0710 AT security gate

0745 AT TA16 Trailer loading supplies - Mike Garcia Checking dump truck

0750 Spreading plastic out for soil storage at TA16 EE site

0900 Having Lennie wet down for dust

0910 Finishing up putting EZ rope and signs.

~~1121~~ 1125 OFFsite to lunch

1246 Back onsite. Lennie wetting down soil in front end loader before being put in dump truck. To keep dust down when truck empties on storage pad.

1350 Going to TA16 Trailer w/ dump truck. Glenn getting sample done at trailer

1536 Back to Silver Outfall to wrap up.

1608 offsite to office

07
08
08
09
10
111
113
121
130
132
142
150
152
170

Thrusday 21 Sept. 2000

0715 AT security Gate waiting.
0800 Lennie and I doing berm around soil piles
0850 Safety Briefing - Afterwards loading supplies into trucks to go to down to silver outfall
0950 On Site
1005 Decon heavy equipment - scrap and dry brush. Had Lennie wet the area down to keep dust around equipment down. Frontend Loader and dump truck done first.
1115 Excavator coming up to be deconned.
1130 Gathered fire extinguisher and note books with equipment daily inspections from SG Western construction heavy equipment. All equipment now parked at the entrance of the site. Have Bill McCormick come and check so they can be moved out of LANL Property.
1215 lunch
1305 onsite
1325 All signed In - Doing grid lines for sampling.
1422 All up to TA 16 Trailer
1500 Wetting down soil piles and spraying tackifier on it.
1528 Mixed and applying now. Trying to clean out water truck
1710 left TA 16 Trailers - storm came in.

Friday 22 Sept. 2000

0710 At security Gate
0745 AT TA 16 Trailer - typing Safety Briefing
0810 To Ag Outfall for ~~off~~ utility locate guys. Did Safety Briefing - Utility guys located another Cable between Building and workarea on east side.
815 Back to TA 16 Trailer - paperwork.
0945 Observing Lennie Cleaning water truck. Walked soil pile area to check on berm after storm last night.
1000 offsite to get supplies. Lunch
1155 Through security gate to site
1305 Silver outfall - doing samples.
1345 Went down to Glenn and Lennie in Canyon. deconned - setup to wash baggies off.
1414 Don Hickmott on site to talk with Glenn.
1430 Don Hickmott off site.
1510 Robert Monsalve-Jones asked me to write a memo to him stating who told me to fill out Monthly Project Safety Inspection form.
1530 Back to silver Outfall to finish sampling

1710 To office in town

Monday 25 Sept. 2000

Insert for instrument used on Thrusday 14 Sept. at 1345. Mini RAM - Brand name MIE - Cal. Date 9/16/99 S/N: 5695

Tuesday 26th Sept. 2000

0800 Security Gate
0905 Putting caution tape back up around soil pile.
0916 Safety Briefing
0925 Talked w/Glenn on decon after sampling pile. Use booties. Reading PAH test kit instructions. Glenn off site (TA-16 Trailer) to SMO. P/u vials. Porta pot cleaned and emptied
1216 Everyone off to lunch. Bill (escort) and I waiting for Glenn and SG Western to come back from Silver Outfall. SG Western picking up equipment.
1230 lunch
1315 Onsite preparing to sample soil pile. Glenn discussed sampling plan w/me. Now waiting on Louie for film
1500 Sampling soil piles - Lennie in taking them
1630 Finished sampling
1730 To office

Wednesday 27 Sept. 2000

0800 office met w/ Glenn to go to TAK Trailer.
0815 Typed Safety Briefing - Ester doing test
1000 doing PAH samples in Lab. Glenn and I both
* See Glenn's log book for results

Cloudy - inter. showers

Thursday 28 September 2000

0800 Waiting at security Gate
0820 Lennie & Ester show up
0845 Safety Briefing
0850 Gathering supplies to go to Silver outfall site to gather samples
0925 Putting New inspection tags on fire extinguishers and eye wash station

Note: Talked with Glenn on my concerns of being in Canyon with heavy dark clouds over mountains Will take another look at it when time comes

1200 Silver Outfall - walked site to look at Sample areas - Checked Exclusion Zone rope - still up.

1220 Did demo sample - Location of samples taken and type ref. to Glenn's log book I was collecting samples.
offsite to TA16 Trailer to unload supplies.

Cloudy & Sprinkles

29th September 2000 Friday

0800 Security Gate
0930 Safety Briefing

1026 Silver Outfall - Sampling
1226 Out to SMO w/Glenn

10/5/00

0900 Leave from office: R. Monsalve-Jones, Joe Vargas, Tim Motah, Carol Vargas

0930 AT TA-18 gate - minor problem - missing T. Motah badge after getting to Building 202, exited the area and informed the guard at the guard station. Exited the secured area and searched the truck - found the badge in the passengers door map pocket. Re-entered the area.

0940 Sign in at the badge office building 202

0945 At Trailers

1000 Tailgate safety briefing: Planned activities are to cover the dirt spoils pile with plastic
General: slips, trips & falls
Special: Lifting
ZSM: Latest B.L.S. accident & incident statistics

1020 Deploy to field
Weather: Clear, 0-2 mph breeze, no clouds ≈ 65°F.

1040 Notified that the Hertz driver is at the IT office to pick up the truck loader

LR: 1000 Tailgate safety for XRF work in Lab Trailer under SSHASP 264
Same topics at 291 tailgate

1040 Call for HE release of RSC water truck

1100 Informed that Hertz driver will not be out to pick up truck loader but will be going to TA-3 and pick up an excavator.

1130 Finish covering spoils pile.

10-16-00

0930 Glen Vanderpool + Self Leave office To TA-35 + TA-3 Then onto TA-16

1050 Arrive AT TA-16

1100 Tailgate of Safety meeting: planned Activities - site walk site Restoration
General - slips Trips + falls
Special - Heavy Equipment
ISM - Review Loader Pip over + Safety at end of Job

1102 At site, walk channel with Glenn. Describe planned action - use Track hoe + back hoe To move rock + Free stumps for energy brakes; fill in different parts with fill from off site

1200 Off site, Return To office Lunch
last entry

10-18-00

0800 Meet Glen V. at office, Glen heads out to meet LaForge drivers delivering gravel.
I remain to deal with Fire Extinguishers & paper work
0820 I head out
0835 Meet Glen at Parking lot to TA-16
waiting on LaForge Trucks
0900 LaForge at TA-16, waiting on safe work permits
0945 LaForge Trucks in on way to Ag outfall.
0950 See B. McCormick and discuss release of LaForge Trucks
Bill does not see a need to check or release Trucks
just let them go on out.
1000 Tailgate Safety Meeting - Planned activities -
site Restoration
Slips Trips & Falls
Heavy Equipment
1215 Lunch
1330 Glen back in to escort Truck drivers to
Ag Outfall
1330 Back for Lunch -
Down to Ag outfall - clean up & pull off Ropes
1500 Stop for day

P. CLOUDY
COOL
MID 50's

10/19/00 ~0900 GO TO TA16 TO LOOK FOR DUMPTRUCKS. NO TRUCKS GO TO METZLER TO FUEL IT PICKUP.

- ONSITE @ ~0955, LCFARGE ORDER/DUMPTRUCK @ TA16 GATE. (#5) ESCORT DRIVER + TRUCK TO Ag OUTFALL TO DUMP LOAD. OFFSITE ~1015

- TAILGATE SAFETY MEETING @ ~1025 TASKS, TRUCK ESCORT, SITE RESTORATION.

- BASECOURSE DELIVERY TRUCKS @ TA16 GATE @ 1155 (#6)

- LUNCH 1205 - 1145

- ONSITE @ OUTFALL @ ~1300

- PERFORM ESCAVATION INSPECTION DEEPEST PORTION OF OUTFALL (~6') FILLED IN W/ ~60 cuyds BASECOURSE EXCAVATION CLOSED.

- LAST TWO LOADS OF BASECOURSE ONSITE @ ~1500.

- INSPECT WASTE SOIL PILES. RECOVER PILES, ONE TARP BLEW OFF. RESECURED TARP.

- BACK ONSITE ~1605. MOVE 307B TRACKHOE UP TO ROAD

- SECURE SITE @ ~1630

- OFFSITE TA16 @ 1645.

Glenn VanDerpool
10/19/00
[signature]

5-10-01

Objective: transfer of soil from TA-16 IT Trailer area to non-hazardous cell of TA-54, Area 5

Personnel on site:

Glen Vandepoel - IT
Louie Romero - IT
Kevin Reid I.T.
Ken Hale I.T.
Richard Martinez mcI
Roberta Spencer mcI
Brian Spencer mcI
Rick Urie - IT

3 end dump 18 wheelers (Peterbilts)
1 Volvo loader

Tailgate SSHASP Briefing & Security orientation at
0800 TA-16 parking lot
Follow-up orientation at IT. trailer wheel
- includes logistical planning.
Hardhat rule implemented for all in loading area.

9:20 3 trucks loaded & tarped.
~78,000lbs on truck w/ gauge

1st load to Area 5 was conducted as a convoy w/ 3 trucks and a front & back escort.

9/7/01

0900 Arrive at S-Site; leave Gatorade at Admin Trailer

0915 Arrive at Silver Outfall Area

0920 Tailgate held; tasks for the day are BMP placement (w/ FE loader), wattle placement, rock delivery of rock for BMPs.

Rick Schattel
Roberta Torres
Gary Garcia - FTL
Russell Jones - SSO

Primary hazards discussed are STF, heavy equip operation, sunburn, high winds, wildlife, potential exposure to chem. hazards (see tailgate form)

0927 Rick (Equip operator) begins work with FE loader

0930 LANL clients leave site after discussions w/ Gary about BMP placement. Roberta stays w/ IT truck to observe, Russell and Gary start moving river rock into areas where Rick has dumped it.

1045 Roberta leaves site to escort trucks in to deliver ~50 tons of river rock. Rick, Gary, and Russell continue work.

1145 Trucks arrive to deliver rock. Gary works on documenting delivery in logbook, Rick directs trucks and pushes up pile. Russell observes & escorts.

1230 Last truck dumps load. Field Team leave site for lunch.

1335 Field Team returns to site and returns to work & leave duties. BMP placement includes spreading of river rock in PRs, placement of three gabellons, and several rock dams, management of wattles.

1730 Field Team leaves site.

1745 Field Team arrives back at IT. No incidents, no near misses, no injuries, no equip damage. It was a great day!!

Last entry RC 9/7/01

Appendix 3
Sample Collection Logs

0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0300

Date 9/28/00 Time 1305 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06562

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0026
02	METTAL	125 ml Polyethylene	Ice	1082-00-0026
03	SEMI	125 ml Glass	Ice	1082-00-0026
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0026
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0026
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0026
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0026

Weather CLEAR WARM

Sample Description SOIL W/ SOME ORGANICS

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 , 11 — SAMPLE 0-6" BOWL LENNIE BINALE JESSIE ISH GLENN VANDERPOEL

Comments:

400' NORTH

LOCATION ID 16-06562

SURFACE → 6"

(S)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0301

Date 9/28/00 Time 1330 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06562

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0026
02	METTAL	125 ml Polyethylene	Ice	1082-00-0026
03	SEMI	125 ml Glass	Ice	1082-00-0026
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0026
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0026
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0026
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0026

Weather CLEAR WARM

Sample Description SOIL W/ ORGANICS ~24" DEEP.

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): 3, 12 — SAMPLE ~~[illegible]~~ GV BOWL

LENNIE BINALE
JESSIE ISH
GLENN VANDERPOEL

Comments:

400' NORTH

LOCATION ID 16-06562

~24" DEEP

(3)
0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0302

Date 9/28/00 Time 1355 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06555

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0026
02	METTAL	125 ml Polyethylene	Ice	1082-00-0026
03	SEMI	125 ml Glass	Ice	1082-00-0026
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0026
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0026
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0026
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0026

Weather CLEAR WARM

Sample Description SOIL W/ ORGANICS ~0-6"

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE PINALE
3 13 — SAMPLING JESSIE ISH
BOWL GLENN VANDERPOEL

Comments:

500' CENTER

0"–6" DEEP

LOCATION ID 16-06555

(4)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0303

Date 9/28/00 Time 1420 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06555

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0026
02	METTAL	125 ml Polyethylene	Ice	1082-00-0026
03	SEMI	125 ml Glass	Ice	1082-00-0026
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0026
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0026
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0026
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0026

Weather CLEAR WARM

Sample Description SOIL W/ ORGANICS 24" DAMP SOIL

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE
3 14 – SAMPLING JESSIE ISH
BOWL GLENN VANDERPOEL

Comments:

500' CENTER

24" DEEP

LOCATION ID. 16-06555

(2)
0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0304

Date 9/28/00 Time 1450 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06542

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0026
02	METTAL	125 ml Polyethylene	Ice	1082-00-0026
03	SEMI	125 ml Glass	Ice	1082-00-0026
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0026
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0026
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0026
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0026

Weather CLEAR WARM

Sample Description 700' SOUTH 0-6" SOIL W/ ORGANICS

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE
3 15 — SAMPLE BOWL JESSIE ISH
GLENN VANDERPOEL

Comments: 700' SOUTH

LOCATION ID 16-06542

0-6" DEEP

24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0305

Date 9/28/00 Time 1510 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06542

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1		NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0027
02	METTAL	125 ml Polyethylene	Ice	1082-00-0027
03	SEMI	125 ml Glass	Ice	1082-00-0027
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0027
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0027
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0027
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0027

Weather CLEAR WARM

Sample Description 700' SOUTH ~24" SOIL W/ ORGANICS

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE

3 16 – SOIL BOWL JESSIE ISH

GLENN VANDERPOEL

Comments:

700' SOUTH

LOCATION ID 16-06542

24" DEEP

7
0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0306

Date 9/28/00 Time 1645 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06583

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0027
02	METTAL	125 ml Polyethylene	Ice	1082-00-0027
03	SEMI	125 ml Glass	Ice	1082-00-0027
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0027
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0027
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0027
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0027

Weather CLEAR WARM

Sample Description 75' WEST SOIL 0"-6" DEEP.

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LONNIE BINALE
3, 17 — SOIL BOWL JESSIE ISH
GLENN VANDERPOEL

Comments: 75' WEST
0-6"

LOCATION 16-06583

(8)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0307

Date 9/28/00 Time 1655 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06583

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0027
02	METTAL	125 ml Polyethylene	Ice	1082-00-0027
03	SEMI	125 ml Glass	Ice	1082-00-0027
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0027
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0027
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0027
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0027

Weather CLOUDY WARM

Sample Description 75' WEST 24" DEEP SOIL.

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE

3, 18 — SOIL BOWL JESSIE ISH

GLENN VANDERPOEL

Comments: 75' WEST

24"

LOCATION 16-06583

(9)
0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0308

Date 9/28/00 Time 1720 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06587

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0027
02	METTAL	125 ml Polyethylene	Ice	1082-00-0027
03	SEMI	125 ml Glass	Ice	1082-00-0027
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0027
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0027
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0027
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0027

Weather CLEAR WARM

Sample Description 25' EAST 0-6 DEEP SOIL

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE
3 19 – SOIL BOWL JESSIC ISH
GLENN VANDERPOEL

Comments: 25' EAST
0"-6"
LOCATION ID 16-06587

(19)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0309

Date 9/28/00 Time 1730 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06587

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0027
02	METTAL	125 ml Polyethylene	Ice	1082-00-0027
03	SEMI	125 ml Glass	Ice	1082-00-0027
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0027
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0027
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0027
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0027

Weather CLEAR WARM

Sample Description 25' EAST 24" DEEP

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LONNIE BINALE
3, 20 — SOIL BOWL JESSIE ISH
GLENN VANDERPOEL

Comments: 25' EAST
24"
LOCATION ID 16-06587

(11)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0310 0-6"

Date 9/28/00 Time 1755 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06588

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature GlenVD

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0028
02	METTAL	125 ml Polyethylene	Ice	1082-00-0028
03	SEMI	125 ml Glass	Ice	1082-00-0028
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0028
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0028
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0028
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0028

Weather CLEAR WARM

Sample Description 25' CENTER 0"-6" SOIL

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LONNIE BINALC JESSIE ISH GLENN VANDERPOEL

3, 21 – SAMPLING SOIL BOWL

Comments: 25' CENTER

0"-6"

LOCATION ID 16-06588

(12)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0311

Date 9/28/00 Time 1810 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06588

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0028
02	METTAL	125 ml Polyethylene	Ice	1082-00-0028
03	SEMI	125 ml Glass	Ice	1082-00-0028
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0028
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0028
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0028
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0028

Weather CLEAR WARM

Sample Description 25' CENTER 24" DEEP SOIL

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): 3, 22 — SOIL BOWL

LENNIE BINALE
JESSIE ISH
GLENN VANDERPOEL

Comments: 25' CENTER

24"

LOCATION ID 16-06588

13
0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0312

Date 9/28/00 Time 1833 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06591

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0028
02	METTAL	125 ml Polyethylene	Ice	1082-00-0028
03	SEMI	125 ml Glass	Ice	1082-00-0028
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0028
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0028
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0028
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0028

Weather CLEAR WARM

Sample Description 0' CENTER 0"-6" DEEP SOIL WEATHERED TUFF

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINACK

3 23 - SOIL BOWL JESSIE ISH

GLENN VANDERPOEL

Comments: 0' CENTER

0"-6"

LOCATION ID 16-06591

(14)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0313

Date 9/28/00 Time 1845 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06591

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature Glenn

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0028
02	METTAL	125 ml Polyethylene	Ice	1082-00-0028
03	SEMI	125 ml Glass	Ice	1082-00-0028
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0028
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0028
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0028
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0028

Weather CLEAR WARM

Sample Description 0' CENTER 24" DEEP WEATHERED TUFF

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): LENNIE BINALE

3 24 - SOIL JESSIE ISH

BOWL GLENN VANDERPOEL

Comments: 0' CENTER

24"

LOCATION ID 16-06591

0-6

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0314

Date 9/29/00 Time 1050 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06573

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0028
02	METTAL	125 ml Polyethylene	Ice	1082-00-0028
03	SEMI	125 ml Glass	Ice	1082-00-0028
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0028
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0028
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0028
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0028

Weather P. CLOUDY, COOL

Sample Description 200' CENTER 0-6" SOIL.

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): 3, 25 - SOIL SAMPLE BOWL

JESSIE ISH
GLENN VANDERPOEL

Comments:

200' CENTER
0"-6"
LOCATION ID. # 16-06573

24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0315

Date 9/29/00 Time 1102 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06573

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0029
02	METTAL	125 ml Polyethylene	Ice	1082-00-0029
03	SEMI	125 ml Glass	Ice	1082-00-0029
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0029
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0029
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0029
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0029

Weather P. CLOUDY COOL

Sample Description 200' CENTER, 24" DEEP SOIL

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): JESSIE ISH

4 1 – SOIL SAMPLE BOWL GLENN VANDERPOEL

Comments: 200' CENTER

24" DEEP

LOCATION ID # 16-06573

0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0316

Date 9/29/00 Time 1122 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06568

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0029
02	METTAL	125 ml Polyethylene	Ice	1082-00-0029
03	SEMI	125 ml Glass	Ice	1082-00-0029
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0029
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0029
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0029
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0029

Weather P. CLOUDY COOL

Sample Description 300' NORTH 0"-6" DEEP

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4, 2 – SOIL SAMPLE BOWL JESSIE ISH GLENN VANDERPOEL

Comments: 300' NORTH

0"-6" DEEP

LOCATION ID 16-06568

Y
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0317

Date 9/29/00 Time 1140 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06568

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0029
02	METTAL	125 ml Polyethylene	Ice	1082-00-0029
03	SEMI	125 ml Glass	Ice	1082-00-0029
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0029
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0029
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0029
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0029

Weather P. CLOUDY COOL

Sample Description 300' NORTH 24" DEEP. WEATHERED TUFF

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4 34 — SOIL SAMPLE BOWL JESSIE ISH GLENN VANDERPOEL

Comments: 300' NORTH

24" DEEP

LOCATION ID 16-06568

(5)
0-6

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0318

Date 9/29/00 Time 1122 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06568

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0029
02	METTAL	125 ml Polyethylene	Ice	1082-00-0029
03	SEMI	125 ml Glass	Ice	1082-00-0029
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0029
05	VOCECORE	5 gm Encore Container-/	Ice	1082-00-0029
06	VOCECORE	5 gm Encore Container-E	Ice	1082-00-0029
07	VOCECORE	5 gm Encore Container-(	Ice	1082-00-0029

Weather P.CLOUDY COOL

Sample Description 300' NORTH DUPLICATE 0-6" DEEP

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4 3 – SOIL SAMPLE BOWL JESSIE ISH GLENN VANDERPOEL

Comments: 300' NORTH DUPLICATE

0"-6" DEEP

LOCATION ID 16-06568

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0319

Date 9/29/00 Time 1140 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06568

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0029
02	METTAL	125 ml Polyethylene	Ice	1082-00-0029
03	SEMI	125 ml Glass	Ice	1082-00-0029
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0029
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0029
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0029
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0029

Weather P. CLOUDY COOL

Sample Description 300' NORTH DUPLICATE 24" WEATHERED TUFF

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4 5 – SOIL SAMPLE BOWL JESSIE ISH GLENN VANDERPOEL

Comments: 300' NORTH DUPLICATE

24" DEEP

LOCATION ID# 16-06568

0-6"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0320

Date 9/29/00 **Time** 1200 **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation 16-06564

QA/QC Type None

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** [signature]

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0030
02	METTAL	125 ml Polyethylene	Ice	1082-00-0030
03	SEMI	125 ml Glass	Ice	1082-00-0030
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0030
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0030
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0030
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0030

Weather P. CLOUDY COOL

Sample Description 350' CENTER 0"-6" SOIL, ROCKY

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4 6 — SOIL SAMPLE BOWL JESSIE ISA GLENN VANDERPOEL

Comments: 350' CENTER

0"-6"

LOCATION ID # 16-06564

(5)
24"

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-0321

Date 9/29/00 Time 1220 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation 16-06564

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature GVD

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	HEXP	125 ml Glass	Ice	1082-00-0030
02	METTAL	125 ml Polyethylene	Ice	1082-00-0030
03	SEMI	125 ml Glass	Ice	1082-00-0030
04	VOCECORE	125 ml Polyethylene	Ice	1082-00-0030
05	VOCECORE	5 gm Encore Container-A	Ice	1082-00-0030
06	VOCECORE	5 gm Encore Container-B	Ice	1082-00-0030
07	VOCECORE	5 gm Encore Container-C	Ice	1082-00-0030

Weather P.CLOUDY COOL

Sample Description 350' CENTER 24" SOIL WEATHERED TUFF

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

4 7 - SOIL SAMPLE HOLE JESSIE ISH GLENN VANDERPOEL

Comments: 350' CENTER

24"

LOCATION ID# 16-06564

Rad Screening Data Release Form

The Following samples were received at the Field Support Facility (FSF) without screening data (list sample number):

These samples will not be shipped until radiological screening data documentation arrives at the FSF. I understand that it is my responsibility to ensure this information arrives at the FSF in a timely manner. If holding times are missed because screening data does not arrive, I will pick up the samples.

The following samples do not require rad screening data for the reasons stated (list sample numbers):

RE16-00-0301
RE16-00-0302
RE16-00-0303
RE16-00-0304
RE16-00-0305
RE16-00-0306
RE16-00-0307
RE16-00-0308
RE16-00-0309
RE16-00-0310
RE16-00-0311
RE16-00-0312
RE16-00-0313
RE16-00-0314
RE16-00-0315
RE16-00-0316
RE16-00-0317
RE16-00-0318
RE16-00-0319
RE16-00-0320
RE16-00-0321

Reason:

TA16 Ag OUTFALL
PRS 16-020
} NOT A RAD. SITE

Print Last Name VANDERPOEL Signature [signature] Date 9/29/00

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4065

Date 9/26/00 Time 1505 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Piles #1, 2, 3.

QA/QC Type None

Composite: ☒ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: ~~None~~ SPATIAL Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	125ml Poly ~~250 ml Amber Glass~~	None	1082-00-6006
02	PCB	125 ml Glass	None	1082-00-6006
03	SEMI	125 ml Glass	Ice	1082-00-6006
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6006

Weather CLEAR + WARM

Sample Description COMPOSITE FROM 3 PILES (1,2+3) VOC TO BE TAKEN FROM PILE #2. SEE BELOW

Field Screening

Loc ID	Depth ~6"	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

#3 1 — SAMPLE LENNIE BINALE, JESSIE ISH GLENN VANDERPOEL

Comments:

LOCATION FOR VOC SAMPLE DETERMINED BY RANDOM SELECTION

VOC SAMPLE FROM PILE #2.

WEATHER CLEAR + WARM

125ml Poly instead of 250ml GLASS USED FOR TCLP METAL SAMPLE.

SANDY SOIL SOME ORGANICS

(3)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4066

Date 9/26/00 Time 1525 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile #4, 5, + 6

QA/QC Type None

Composite: ☒ Yes GV ◉ No Name (Print) Glenn VanDerpool

Composite Type: ~~None~~ SPATIAL Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	125ml Poly ~~250 ml Amber Glass~~	None	1082-00-6006
02	PCB	125 ml Glass	None	1082-00-6006
03	SEMI	125 ml Glass	Ice	1082-00-6006
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6006

Weather CLEAR WARM

Sample Description COMPOSITE FROM 3 PILES (4, 5, +6) VOC FROM PILE #4

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

#3 #4 — SAMPLE LENNIE BINALE, JESSIE ISH, GLENN VANDERPO

Comments:

DISREGARD FRAME #2 OF PHOTO, PHOTO BOARD INFORMATION INCORRECT

SANDY SOIL SOME ORGANICS

(3)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4067

Date 9/26/00 Time 1535 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile #7, 8, + 9

QA/QC Type None

Composite: ☒ Yes (GV) ◉ No Name (Print) Glenn VanDerpool

Composite Type: ~~None~~ SPATIAL Signature [signature]

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP 125ml Poly	~~250 ml Amber Glass~~	None	1082-00-6007
02	PCB	125 ml Glass	None	1082-00-6007
03	SEMI	125 ml Glass	Ice	1082-00-6007
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6007

Weather CLOUD + WARM

Sample Description PILES 7, 8, +9 VOC FROM #9

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 5 – SAMPLE LONNIE DINALE, JESSIE ZIH, Glenn VanDerpool

Comments:

DISREGARD FRAME #3

SANDY SOIL SOME ORGANICS

(4)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4068

Date 9/26/00 Time 1548 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile 10, 11, + 12

QA/QC Type None GV

Composite: ☒ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: ~~None~~ SPATIAL Signature [signature]

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis		Container	Preservative	C of C Control No.
01	METTCLP	125ml Poly	~~250 ml Amber Glass~~	None	1082-00-6007
02	PCB		125 ml Glass	None	1082-00-6007
03	SEMI		125 ml Glass	Ice	1082-00-6007
04	VOAGCMS		125 ml Septum Amber gl	Ice	1082-00-6007

Weather CLEAR + WARM

Sample Description SOIL PILES 10, 11 + 12 VOC FROM #10

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 6 — SAMPLE LENNIE BINALE JESSIE ISH GLENN VANDERPOEL

Comments:

SANDY SOIL SOME ORGANIC,

(5)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4069

Date 9/26/00 Time 1600 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile 13, 14, 15

QA/QC Type None

Composite: ☒ Yes GV ◉ No Name (Print) Glenn VanDenpool

Composite Type: ~~None~~ SPATIAL Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	250 ml Amber Glass	None	1082-00-6008
02	PCB	125 ml Glass	None	1082-00-6008
03	SEMI	125 ml Glass	Ice	1082-00-6008
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6008

Weather CLEAR + WARM

Sample Description SOIL PILES 13, 14, + 15 VOC FROM 15

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 7 — SAMPLES LONNIE JESSIE GLENN BINALE ISH VANDENPOOL

Comments:

SANDY SOIL SOME ORGANICS

(6)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4070

Date 9/26/00 Time 1608 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile 16, 17, 18

QA/QC Type None

Composite: ☒ ~~Yes~~ GV ◉ No Name (Print) Glenn VanDerpoel

Composite Type: ~~None~~ SPATIAL Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	~6"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	~~250 ml Amber Glass~~	None	1082-00-6008
02	PCB	125 ml Glass	None	1082-00-6008
03	SEMI	125 ml Glass	Ice	1082-00-6008
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6008

Weather CLEAN + WARM

Sample Description SOIL PILES 16, 17, + 18 VOC FROM #18

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 8 — SAMPLE LONNIE BINALO JESSIE ISH GLENN VANDERPOEL

Comments:

SANDY SOIL SOME ORGANICS

(7)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4071

Date 9/26/00 Time 1611 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Soil Pile 19, 20, 21

QA/QC Type None GV

Composite: ☒ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: ~~None~~ SPATIAL Signature _____

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	26"		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	250 ml Amber Glass	None	1082-00-6009
02	PCB	125 ml Glass	None	1082-00-6009
03	SEMI	125 ml Glass	Ice	1082-00-6009
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6009

Weather CLEAR + WARM

Sample Description SOIL PILES 19, 20, 21 VOC FROM 21

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 9 - SAMPLE LOUNIS BINALE JESSIE ISH GLENN VANDERPOEL

Comments:

SANDY SOIL SOME ORGANICS

(8)

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-4072

Date 9/26/00 **Time** 1620 **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Soil Pile 22, 23, + 24

QA/QC Type None

Composite: ☒ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: ~~None~~ SPATIAL **Signature** _____

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.
01	METTCLP	250 ml Amber Glass	None	1082-00-6009
02	PCB	125 ml Glass	None	1082-00-6009
03	SEMI	125 ml Glass	Ice	1082-00-6009
04	VOAGCMS	125 ml Septum Amber gl	Ice	1082-00-6009

Weather CLEAR + WARM

Sample Description SOIL PILES 22, 23, 24 VOC FROM #22

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments

Photo (Roll, Frame, Azimuth, Subject, Participants):

3 10 – SAMPLE LONNIE DINALE JESSIE ISH GLENN VANDERPOEL

Comments:

SANDY SOIL SOME ORGANICS

Rad Screening Data Release Form

The Following samples were received at the Field Support Facility (FSF) without screening data (list sample number):

These samples will not be shipped until radiological screening data documentation arrives at the FSF. I understand that it is my responsibility to ensure this information arrives at the FSF in a timely manner. If holding times are missed because screening data does not arrive, I will pick up the samples.

The following samples do not require rad screening data for the reasons stated (list sample numbers):

REIG - 00 - 4065
REIG - 00 - 4066
REIG - 00 - 4067
REIG - 00 - 4068
REIG - 00 - 4069
REIG - 00 - 4070
REIG - 00 - 4071
REIG - 00 - 4072

Reason:

NO RADIOLOGICAL HAZARDS OR MATERIALS IDENTIFIED AT THE SITE.

Print Last Name Van Deyerel Signature [signature] Date 9/27/00

300'

300' - 7.5 NORTH	Ag 3195	Cr 150,000
300' - 5.0 NORTH	Ag 757	Cr 170,000
300' - 2.5 NORTH	Ag 1102 → 3634	Cr. 0
300' —		
300' - 2.5 SOUTH	Ag 508	Cr. 0
300' - 5.0 SOUTH	Ag 278	Cr. 0
300' - 7.5 SOUTH	Ag 468	Cr. 0
300' - 10.0 SOUTH	Ag 524	Cr. 0
300' - 12.5 SOUTH	Ag 652	Cr. 0
300' - 15.0 SOUTH	Ag 122	Cr. 0

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) Randy Johnson

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy - no angular, med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 3195 ppm Cr lo:

Cr Hi: 150,000 ppm Ba: 27,800 ppm C.V. 9/13/00

Comments:

Media code:

Sample No. 300 7.5' north

time: 1428

logged + tested: 9/13/00 @ 1417

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy, non argillac, med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 757 Cr Hi: 170,000

Cr lo: Ba: 30,700

Comments:

Media code:

Sample No. 300 5.0' North

time: 1427

logged + tested: 9/13/00 @ 2:10 pm

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine, granular + platy, noncrystalline, med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 1102-3634 ppm CrHi: 00.0

CrLo: -1.6 Ba: 222.7

645 ppm

Comments:

Media code:

Sample No. 300 2.5' North

time: 1426

logged + tested: 9/13/00 @ 12:00 pm

retest 2:46 pm

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Ag-Outfall

Sample Location Confirmatory Sample

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular, very fine platy, ∅ blocky structures dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Sample (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 508 Ba: 191.9

Cr: Zr: 28.1

Comments:

Media code:

Sample No. 300-2.5' South

Time: 1415

tested logged - 9/13/00 @ 10:10 am

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, very fine platy, no angular, dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ ~~XRF-Ba~~		ppm	
16-0	0 to	0	~~HPLC-RDX~~ ~~HE Spot Test~~		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening

Ag: 278 Ba: 183.0

Cr:

Comments:

Media code:

Sample No. 300 - 5' south

time: 1420

logged + tested: 9/13/00 @ 10:30am

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, very fine platy, no angular, dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ ~~XRF-Ba~~		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 468 Ba: 253.8

Cr:

Comments:

Media code:

Sample No. 300 - 7.5' South

time: 1421

logged & tested: 9/13/00 @ 10:45am

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Confirmatory Sample

Ag-Out-fall

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) ~~Randy Johnson~~

Composite Type: None Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, very fine platy, non angular dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XPF Screening

Ag: ~~462~~ cr 9/12/00 Ba: ~~247.8~~ cr 9/12/00

524 286.7

Cr:

Comments:

Media code:

Sample No. 300 - 10.0' South

time : 1422

logged & tested: 9/13/00 @ 11:05am

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag - Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description ~~Very fine granular, very fine plate, no angular, med. brown~~

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 652 Ba: 206.2

CrHo: 0.3 mg/cm^2 CrHi: 0.00 mg/cm^2

Comments:

Media code:

Sample No. 300 - 12.5' South

time: 1423

logged + tested: 9/13/00 @ 11:25am

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) Randy Johnson

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine; granular + platy, no angular, dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening-

Ag: 122 Cr Hi: 0.00

Cr Lo: -1.3 Ba: 202.4

Comments:

Media code:

Sample No. 300-15'0 South

time 1424

logged + tested: 9/13/00 @ 1155am

425'

425 - 20.0 NORTH	Ag 306	Cr.Lo. 310
425 - 17.5 NORTH	Ag 539	Cr Hi: 22,700
425 - 15.0 NORTH	Ag 1200	Cr.Lo 260
425 - 12.5 NORTH	Ag 2354	Cr.Lo 230
425 - 10.0 NORTH	Ag 819	Cr.Lo 150
425 - 7.5 NORTH	Ag 214	Cr.Lo 150
425' - 5.0 NORTH	Ag 4272	Cr.Lo 420
425 - 2.5 NORTH	Ag 5423	Cr.Lo 290
425' -		
425' - 2.5 SOUTH	Ag 3734	Cr.Hi 560
425' - 5.0 SOUTH	Ag 2672	Cr.lo 140
425' - 7.5 SOUTH	Ag 266	Cr.Lo 140

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, platy, nonangular med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 3734 ppm retest: 3783 ppm

Cr(T): 560 ppm retest: 680 ppm

Fe: 21,700 ppm retest: 21,500 ppm

Ca: 5980 ppm retest: 5690 ppm

Cl(): 320 ppm

Ba: 523 ppm retest: 481 ppm

Tl: 2790 ppm ~~retest~~ retest: 2680 ppm

K: 19540 ppm retest: 21210 ppm

Co: 1060 - retest

~~Comments:~~ ~~Retest~~

Media code:

Sample No.

425 - 2.5' South 1451

logged + tested - 9/14/00 @ 1023

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy, no angular brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-C	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-C	0 to	0	~~HPLC-RDX~~ HE Spot Test		ppm	
16-C	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 2672 ppm Cr Hi! Fe: 16000 ppm Ca: 4430 ppm

Crlo: 140 ppm Ba: 483 ppm Ti: 2480 ppm K: 20540 ppm

Comments:

Media code:

Sample No.

425-5.0' North 1452

logged + tested - 9/14/00 @ 0953

425-5.0 SOUTH ??

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, + platy - no angular med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants)~~:

Ag: 266 ppm Cr Hi: Fe: 16,800 ppm Ca: 6180 ppm

Cr lo: 140 ppm Ba: 508 ppm K: 19450 ppm Ti: 1730 ppm

Comments:

Media code:

Sample No.

425 - 7.5' South 1454

logged + tested 9/14/00 @ 10:05

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

QA/QC Type None

Ag-Outfall

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular & platy no angular, med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 5423 ppm Cr(tot): Fe: 19,700 ppm Ca: 5230 ppm

Cr(6): 290 ppm Ba: 514 ppm Ti: 3070 ppm K: 21050 ppm

Comments:

Media code:

Sample No.

425 - 2.5 North 1435

logged + tested 9/14/00 @ 0938

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy no angular lt. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ HE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 4272 ppm Cr(tot): Fe: 20,100 ppm Ca: 5460 ppm

Cr(6): 420 ppm Ba: 483 ppm K: 19,180 ppm Ti: 2460 ppm

Comments:

Media code:

Sample No. 5.0' c.v. 9/14/00

425- ~~10.0~~ North 1442

logged + tested 9/14/00 @ ~~0905~~ c.v. 9/14/00 0917

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12 Time Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location CONFIRMATORY Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No Name (Print) ~~Randy Johnson~~

Composite Type: None Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, + platy no angular lt. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 214 ppm CrHi: Fe: 18,400 ppm Ti: 2570 ppm

Crlo: 150 ppm Ba: 1 K: 22,460 ppm Ca: 4390 ppm

Comments: Mn: 1120 ppm

Media code:

Sample No.

425-7.5' North 1440

logged + tested 9/14/00 @ 0900

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16, Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 819 ppm Cr Hi: Fe: 18,100 ppm Ti: 2690 ppm

Cr lo: 150 ppm Ba: 580 ppm K: 23,760 ppm Ca: 4790 ppm

Comments:

Media code:

Sample No. 425 - ~~5.0~~ 10.0 C.V. 9/14/00 North ~~1436~~ 1432 C.V. 9/14/00

logged + tested 9/14/00 @ ~~0905~~ 0905 C.V. 9/14/00 ~~0917~~

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Oxidfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular + platy no angular - dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 2354 ppm retest: 2504 ppm

Crlo: 230 ppm

Crhi:

Ba: 402 ppm retest: 387 ppm

Fe: 22300 ppm retest: 18,600 ppm

Ti: 2170 ppm retest: 2150 ppm

Ca: 8850 ppm retest

Ca: 9040 ppm

Mn: 1620 ppm

K: 17520 ppm retest: K: 18760 ppm

Comments:

Media code:

Sample No.

425 - 12.5' north 1445

logged + tested 9/14/00 @ 0944

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

As-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular platy to angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 1200 ppm Cr(tl): Fe: 16,900 ppm Ca: 10,820 ppm

Cr(o): 260 ppm Ba: 568 ppm Ti: 3000 ppm K: 22,390 ppm

Comments:

Media code:

Sample No.

425 - 15.0' North 1447

logged + tested 9/14/00 @ 0937

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy - w angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 539 ppm Cr(tt) 22,700 ppm Fe: 13,200 ppm Ca: 11,270 ppm

Crlo: Ba: 454 ppm Ti: 2460 ppm K: 17,470 ppm

Comments:

Media code:

Mn: 6500 ppm

Co: 1630 ppm

Ni: 1120 ppm

Sample No. 425 - 17.5' North 1448

logged + tested 9/14/00 @ 1011

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, + platy, vp angular bk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-B2		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 306 ppm Cr Hi: Fe: 18,200 ppm Ca: 14,000 ppm

Cr lo: 310 ppm Ba: 431 ppm Ti: 2430 ppm K: 16,460 ppm

Comments:

Media code:

Sample No.
425 - 20'0 North 1450

logged + tested 9/14/00 @ 0926

526'

526-15.0 NORTH	Ag 512	Crlo 110	Crhi 310
526-12.5 NORTH	Ag 753	Crlo 90	Crhi
526-10.0 NORTH	Ag 530	Crlo 360	Crhi
526-7.5 NORTH	Ag 797	Crlo 31	Crhi 270
526-5.0 NORTH	Ag 1227	Crlo 23	Crhi
526-2.5 NORTH	Ag 463	Crlo 410	Crhi 530

526'

526-2.5 SOUTH	Ag 70	Cr.Lo. 57,000
526-5.0 SOUTH	Ag 44	Cr.Lo 40,000
526-7.5 SOUTH	Ag 23	CrLo 61,000 / 250
526-10.0 SOUTH	Ag 30	Crlo 330
526-12.5 SOUTH	Ag	CrLo 250

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Ag-outfall

Sample Location Confirmatory Sample

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular + platy no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 70 ppm Cr Hi:

Cr lo: 51,000 ppm Ba: 23680 ppm

Comments:

Media code:

Sample No. 526 - 2.5' South

time: 1505

logged + tested 9/13/00 @ 1424

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location CONFIRMATORY SAMPLE

Name (Print) ~~Randy Johnson~~

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular + platy, no angular, dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening

Ag: 44 ppm Cr Hi; Fe: 16,300 ppm

Cr Lo: 40,000 ppm Ba: 22,270 ppm

Comments:

Media code:

Sample No. 526 - 5.0' South

time: 1507

logged and tested. 9/13/00 @ 1426

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag - outfall

Cargo Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular platy, no angular, dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants): XRF Screening:

Ag: 2nd 23 ppm Cr/Ni: 2nd 420 ppm Fe: 16,600 ppm 2nd 15,800 ppm

Cr/o: 1st 61,000 ppm

Comments 2nd 250 ppm

Ba: ~~20,310~~ cr 9/13/00 20,310 ppm 2nd 428 ppm

Media code:

Sample No. 526 - 7.5' South

time: 1510

logged + tested: 9/13/00 @ 1436

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 30 ppm Cr(tot): -86 ppm Fe: 16,100 ppm

Cr(6): 330 ppm Ba: 494 ppm

Comments:

Media code:

Sample No. 526 - 10.0' South

1511

logged & tested: 9/13/00 @ 1448

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location CONFIRMATORY SAMPLE

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular + platy no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: -14 ppm Cr Hi: -53 ppm Fe: 15,700 ppm

Cr lo: 250 ppm

Comments: Ba: 475 ppm

Media code:

Sample No.

526 - 12.5' South

time: 1512

logged & tested: 9/13/00 @ 1453

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granules & platy, no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening

Ag: 463 ppm Cr Hi: 530 ppm Fe: 16,000

Cr Lo: 410 ppm Ba: 414 ppm Ti: 25,30 ppm

Comments:

Media code:

Sample No.

526 - 2.5' North - 1513

logged + tested @ 9/13/00 @ 1506

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular + platy angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants)~~: XRF Screening:

Ag: 1227 ppm CrNi: -200 ppm

Crlo: 23 ppm Ba: 351 ppm Fe: 18,100 ppm

Comments: Ti: 2170 ppm

Media code:

Sample No.

526 - 5.0' North 1514

logged + tested: 9/13/00 @ 1506

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

QA- Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, + platy, nonangular, dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 791 ppm Cr(tt): 270 ppm

Cr(o): 31 ppm Fe: 19,700 ppm Ti: 1750 ppm

Comments: Ba: 425 ppm K: 16,420 ppm

Media code:

Sample No.

526 - 7.5' North - 1515

Logged + tested: 9/13/00 @ 1514

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 | Time | Sample Type Soil

Technical Area 16 | Operable Unit 1082 | Sample Location Confirmatory Sample

Ag Outfall

QA/QC Type None

Composite: ○ Yes ◉ No | Name (Print) ~~Randy Johnson~~

Composite Type: None | Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1 16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, platy no angular blk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 530 ppm Crtl: -340 ppm K: 14,570 ppm

Crlo: 360 ppm Ba: 369 ppm Fe: 15,400 ppm

Comments:

Media code:

Sample No.

526 - 10.0' North - 1516

logged + tested: 9/13/00 @ 1527

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, platy, no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening:

Ag: 753 ppm

CrHi: -31 ppm

CrLo: 90 ppm

Ba: 404 ppm

Fe: 19,100 ppm

K: 15,990 ppm

Ca: 10,190 ppm

Comments:

Media code:

Sample No. 526-12.5' North-1517

logged + tested - 9/13/00 @ 1531

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date | Time | Sample Type Soil

Technical Area 16 | Operable Unit 1082 | Sample Location Confirmatory Sample

QA/QC Type None

Composite: ○ Yes ◉ No | Name (Print) Randy Johnson

Composite Type: None | Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, platy no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	~~HPLC-HMX~~ XRF-Ba		ppm	
16-0	0 to	0	~~HPLC-RDX~~ NE Spot Test		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~ XRF Screening!

Ag: 512 ppm CrHi: 310 ppm K: 16,480 ppm

CrLo: 110 ppm Fe: 16,800 ppm Ca: 13,250 ppm

Comments: Ba: 417 ppm

Media code:

Sample No.

526 - 15.0' North - 1518

738'

738- 7.5 NORTH	Ag 153	Crlo 0	Crhi ∅
	Ag 156	Crlo 560	Crhi ∅
738 - 5.0 NORTH	Ag 657	Crlo 230	Crhi ∅
738 - 2.5 NORTH	Ag 305	Cr.lo 170	Crhi: 580

738'—

738- 2.5 SOUTH	Ag 195	Crlo 0	Crhi 0
738 - 5.0 SOUTH	~~Ag 657~~	~~Crlo 230~~	~~Crhi 0~~ GV
	Ag 56	Crlo 190	Crhi:
738- 7.5 SOUTH	Ag 59	Crlo 360	Crhi N/A
	Ag 77	Crlo	Crhi N/A
738- 10.0 SOUTH	Ag ∅	Crlo ∅	Crhi ∅

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location CONFIRMATORY SAMPLE

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 153 ppm retest: 156 ppm

CrHi: retest: no reading

Fe: 17600 ppm retest: 19600 ppm

Ti: 2730 ppm retest: 3260 ppm

Cr Lo: retest: 560 ppm

Ba: 729 ppm retest: 770 ppm

K: 19790 ppm retest: 21430 ppm

Ca: 19780 ppm retest: 19770 ppm

Comments:

Media code:

Sample No.

738 - 7.5'

NORTH

1527

Mn: retest: 1740 ppm

logged & tested 9/14/00 @ ~~1149~~ ck 9/14/00

1145

retest @ 1203

NORTH OR SOUTH?

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, + platy no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC-HMX		ppm	
16-0	0 to	0	HPLC-RDX		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 305 ppm Cr Hi: 580 ppm Fe: 15,400 ppm Ti: 2290 ppm

Cr Lo: 170 ppm Ba: 620 ppm K: 20,100 ppm Ca: 13930 ppm

Comments:

Media code: Sample No.

738 - 2.5' North - 1525 Mn: 1230 ppm

logged + tested 9/14/00 @ 1146

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Cg - Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 195 ppm Cr(tot): no reading Fe: 17600 ppm Ti: 1940 ppm

Cr(6): no reading Ba: 355 ppm K: 14790 ppm Ca: 7880 ppm

Comments:

Media code:

Sample No.

738-2.5' South 1530

logged + tested - 9/14/00 @ 1154

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular + platy - no angular blk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

XRF Screening

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 657 ppm Cr/Ni: ~~657~~ ppm Cr. no reading 9/14/00 Fe: 17,800 ppm Ti: 2370 ppm

Cr/Co: 230 ppm Ba: 613 ppm K: 19,110 ppm Ca: 11810 ppm

Comments:

Media code Sample no:

738 - 5.0' ~~South~~ NORTH 1526 Mn: 1490 ppm

logged + tested - 9/14/00 @ 1104

NORTH ?

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular + platy - no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 56ppm Cr(t): Fe: 17300 ppm Ti 2140 ppm

Cr(o): 190ppm Ba: 474ppm K: 16340 ppm Ca: 5400 ppm

Comments:

Media code:

Sample No.

738-5.0' South 1532

logged + tested - 9/14/00 @ 1142

NORTH ?

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Technical Area 16 Operable Unit 1082

Ag-Out Fall

QA/QC Type None

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Confirmatory Sample

Name (Print) ~~Randy Johnson~~

Signature

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular + platy no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC-HMX		ppm	
16-0	0 to	0	HPLC-RDX		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

XRF Screening:

~~Photo (Roll, Frame, Azimuth, Subject, Participants):~~

Ag: 59 ppm retest: 77 ppm

CrHi: retest: no reading

Fe: 15,100 ppm retest: 15,500 ppm

Ti: 2900 ppm retest: 2450 ppm

Crlo: 360 ppm retest:

Ba: 442 ppm retest: 428 ppm

K: 20390 ppm retest: 19530 ppm

Ca: 9110 ppm retest: 8710 ppm

Comments:

Media code:

Sample no.

738-7.5' South-1534

logged + tested 9/14/00 @ 1053

retested @ 11:00

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/12/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Confirmatory Sample

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular + platy, no angular blk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

XRF Screening

Photo ~~(Roll, Frame, Azimuth, Subject, Participants):~~

Ag: no reading
retest: no reading

Cr/Ti: no reading
retest: no reading

Fe: 15,500 ppm
retest: 15,200 ppm

Ti: 2010 ppm
retest: 2670 ppm

Cr/Co: no reading

Comments:
retest:

Ba: 469 ppm
retest: 498 ppm

K: 20490 ppm
retest 20770 ppm

Ca: 14910 ppm
retest: 14640 ppm

Media code:

Mn: 1400 ppm
retest: 1610 ppm

Sample no.

738 - 10.0' South - 1535

retest
Co: 1210 ppm

logged + tested - 9/14/00 @ 11:34

retested @ 11:38

Needs to be retested ASAP.

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1751

Date **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

Ag-Outfall O'East

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description fine granular, no platy, no angular, med brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample: O' East

(1)

Ag: 54 ppm

Crlo: 104 ppm

Crlli: no reading Ø

(2)

Ag: 72 ppm

Crlo: no reading Ø

Crlli: no reading Ø

(3)

Ag: 43 ppm

Crlo: no reading Ø

Crlli: no reading Ø

test 9/26/00 @ 1130

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1752

Date 9/26/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation Ag-Outfall 0' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description fine granular, no platy, no angular light brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 0' Center

(1) Ag: 69 ppm
Crlo: 103 ppm
Crtl: no readings Ø

(2) Ag: 78 ppm
Crlo: 210 ppm
Crtl: no readings Ø

(3) Ag: 76 ppm
Crlo: 117 ppm
Crtl: no readings Ø

test: 9/26/00 @ 1055

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1753

Date 9/26/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall O'West

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description fine granular, no platy, no angular med. brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample O'West

①	②	③
Ag: 42ppm	Ag: 267ppm	Ag: 249ppm
Crlo: 142ppm	Crlo: no reading Ø	Crlo: 133ppm
Crlti: no reading Ø	Crlti: no reading Ø	Crlti: no reading Ø

test 9/26/00 @ 1020

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1748

Date | Time | Sample Type: Soil

Technical Area 16 | Operable Unit 1082 | Sample Location: Excavation

QA/QC Type: Field Screening Only

Composite: ○ Yes ◉ No | Name (Print): Glenn VanDerpoel

Composite Type: None | Signature: _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 25' ~~West~~ EAST ?

(1)
Ag: 77 ppm
Crlo: no readings Ø
Crlti: no readings Ø

(2)
Ag: 55 ppm
Crlo: 140 ppm
Crlti: no readings Ø

(3)
Ag: 26 ppm
Crlo: 191 ppm
Crlti: no readings Ø

test 9/26/00 @

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1749

Date 9/26/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 25' Center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular, no angular no platy dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 25' Center

(1)

Ag: 870 ppm

Crlo: 194 ppm

CrHi: no reading Ø

(2)

Ag: 990 ppm

Crlo: no reading Ø

CrHi: no reading Ø

(3)

Ag: 1146 ppm

Crlo: no reading Ø

CrHi: no reading Ø

test - 9/26/00 @ 1320

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1750

Date **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation Ag-Outfall - 25' West

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C	Control No.

Weather _____

Sample Description Very fine granular no platy no angular ~~med~~ cark brown c.r.

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 25' West

(1) Ag: 2073 ppm
Crlo: no reading Ø
Crlti: no reading Ø

(2) Ag: 2196
Crlo: 232
Crlti: no reading Ø

(3) Ag: 2155 ppm
Crlo: 174 ppm
Crlti: no reading Ø

test 9/26/00 @ 1147

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1745

Date 9/26/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 50' East

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, no platy, no angular, dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 50' East

(1)

Ag: 1841 ppm

Crlo: no readings Ø

Crlti: no readings Ø

(2)

Ag: 2051 ppm

Crlo: 17030 ppm

Crlti: no readings Ø

(3)

Ag: 2036 ppm

Crlo: 105 ppm

Crlti: no readings Ø

Test 9/26/00 @ 1455

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1746

Date 9/26/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Excavation Ag-Outfall 50' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Name (Print) Glenn VanDerpoel

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, no angular, no platy, med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample: 50' Center

(1)
Ag: 1776 ppm
Cr/o: 169 ppm
Cr/Ti: no reading Ø

(2)
Ag: 1859 ppm
Cr/o: no reading Ø
Cr/Ti: 510 ppm

(3)
Ag: 1793 ppm
Cr/o: 93 ppm
Cr/Ti: no reading Ø

Test 9/26/00 @ 1425

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1747

Date 9/26/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 50' West

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, no platy, no angular med. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 50' West

(1)
Ag: 3688 ppm
Cr/Co: 280 ppm
Cr/Ni: no readings Ø

(2)
Ag: 3839 ppm
Cr/Co: no readings Ø
Cr/Ni: 450 ppm

(3)
Ag: 3964 ppm
Cr/Co: 200 ppm
Cr/Ni: no readings Ø

Test 9/26/00 @ 1405

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1742

Date 9-27-00 **Time** 9:25 **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation 75' East

QA/QC Type Silver Outfall Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular, no platy, no angular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample ~~100' West~~ 75' EAST GV 9/27/00

①	②	③
Ag: 1248	Ag: 1345	Ag: 1282
Crlo: Ø	Crlo: Ø	Crlo: 1160
Crlti: Ø	Crlti: 280	Crlti: no reading

test @

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1743

Date 9/26/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

Ag Outfall 75' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular, no platy, no angular, dk. brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 75' Center

(1)

Ag: 3043 ppm

Crlo: 86 ppm

Crlti: no reading Ø

(2)

Ag: 3140 ppm

Crlo: 210 ppm

Crlti: no reading Ø

(3)

Ag: 3045 ppm

Crlo: 316 ppm

Crlti: no reading Ø

test 9/26/00 @ 1630

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1744

Date 9/26/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Excavation

Ag-Outfall 75' west

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Name (Print) Glenn VanDerpoel

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, no platy no angular dk. brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

Sample 75' West

(1) Ag: 3858 ppm

Crlo: 264 ppm

Crlti: no reading Ø

(2) Ag: 3986 ppm

Crlo: no reading Ø

Crlti: 630 ppm

(3) Ag: 4026 ppm

Crlo: 182 ppm

Crlti: no reading Ø

t.n.t 9/26/00 @ 1518

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1739

Date 9-27-00 Time 10:05 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation

Silver Outfall Ag-Outfall 100' East

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, no platey, no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

Sample 100' EAST

(1) Ag: 1098 ppm C.V. 9/27 ~~2901 ppm~~

CrLo: no reading ~~no reading~~ C.V. 9/27

CrHi: no reading C.V. 9/27 ~~no reading~~

(2) Ag: 1189 ppm ~~2709 ppm~~ C.V. 9/27/00

Ag: ~~550 ppm~~ C.V.

CrLo: no reading ~~232 ppm~~ C.V. 9/27

CrHi: no reading ~~550 ppm~~ C.V. 9/27

(3) Ag: 1251 ppm

CrLo: 192 ppm

CrHi: no reading

tested 9/27/00 @1130

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1740

Date 9/27/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation Ag Outfall 100' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular, no platy, no angular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 100' ~~East~~ CENTER GV 9/27/00

①	②	③
Ag: 3727 ppm	Ag: 3815 ppm	Ag: 3817 ppm
Crlo: 404 ppm	Crlo: 368 ppm	Crlo: 349 ppm
CrHi: 630 ppm	CrHi: 760 ppm	CrHi: 350 ppm

Lost 9/27/00 @ 1105

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1741

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 100 west

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C	Control No.

Weather _____

Sample Description Very fine granular, no platy no angular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 100' ~~Center~~ WEST GV 9/27/00

①	②	③
Ag: ~~2879~~ 2901 ppm L.Y. 9/27/00	Ag: 2709 ppm	Ag: 2879 ppm
Carlo: ~~94 ppm~~ no reading	Carlo: 232 ppm	Carlo 94 ppm
Carlti: no reading	Carlti 550 ppm	Carlti no reading

test @

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1736

Date 9/27/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation Ag Outfall 150' South

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C	Control No.

Weather _____

Sample Description very fine granular, no platy, no angular dk. brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 150' SOUTH

①	②	③
Ag: 72 ppm	Ag: 113 ppm	Ag: 119 ppm
Crlo: no reading Ø	Crlo: no reading Ø	Crlo: no reading Ø
Crlti: no reading Ø	Crlti: no reading Ø	Crlti: 310 ppm

Aust 9/27/00 @ 1135

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1737

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 150' Center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular, no platy, no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 150' CENTER

(1)
Ag: 852 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(2)
Ag: 859 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(3)
Ag: 860 ppm
Crlo: 91 ppm
Crhi: no reading Ø

test 9/27/00 @ 1200

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1738

Date 9/27/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Excavation

Ag-Outfall 150' north

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Name (Print) Glenn VanDerpoel

Composite Type: None

Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular-no platy, no angular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 1150 NORTH

(1)
Ag: 537 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(2)
Ag: 548 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(3)
Ag: 577 ppm
Crlo: 90 ppm
Crhi:

Test 9/27/00 @ 1355

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1733

Date 9-28-00 **Time**

Sample Type Soil

Technical Area 16 **Operable Unit** 1082

Sample Location Excavation

Silver Outfall

Ag Outfall 200' South

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Name (Print) Glenn VanDerpoel

Composite Type: None

Signature _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular & powder brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

200' SOUTH

①	②	③
Ag: 1987 ppm	Ag: 1895 ppm	Ag: 2038
Crlo: 290 ppm	Crlo: 210 ppm	Crlo: 128
Crlt: no reading ∅	Crlt: no reading ∅	Crlt:

CV 9/27/00

~~test 9/27/00 @ 2315~~

Tested: 9-28-00 @ 08:55

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1734

Date **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

Ag Outfall 200' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature**

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description no granular powder brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 200' CENTER

(1)

Ag: 179 ppm

Carb: 290 ppm

Carb: no reading Ø

(2)

Ag: 223 ppm

Carb: 200 ppm

Carb: 600 ppm

(3)

Ag: 186 ppm

Carb: 130 ppm

Carb: no reading

Sent 9/27/00 @ 9/27 C.V. 12338

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1735

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 200' north

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

200' NORTH

(1)

Ag: 2451 ppm

Crlo: no reading

Crlti: no reading

(2)

Ag: 3118 ppm

Crlo: 230 ppm

Crlti: no reading

(3)

Ag: 3086 ppm

Crlo: no reading

Crlti 610 ppm

test 9/27/00 @ 2358

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1730

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 250' South

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular + powder light brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 250' SOUTH

(1)

Ag: 941

Carb: 85

Carbi: ∅

(2)

Ag: 940

Carb: ∅

Carbi: ∅

(3)

Ag: 889

Carb: 193

Carbi:

CV. 9/27/00

~~test 9/27/00 @ 2215~~

Tested:
9.28.00 @ 9:05

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1731

Date 9/27/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 250' Center

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, powder (dk. brown)

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

250' CENTER

(1) Ag 444

(2) Ag: 456

(3) Ag: 418

Crlo Ø

Crlo Ø

Crlo 72

Crlti Ø

Crlti Ø

Crlti 350

C.V. 9/27/00

test 9/27/00 @ 2238

Tested: 9.28.00 @ 09:35

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1732

Date **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 250' North

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description no granular powder brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

250' NORTH

(1) Ag: 1368 Crlo: 141 Crlti: Ø

(2) Ag: 1424 Crlo: Ø Crlti: Ø

(3) Ag: 1487 Crlo: Ø Crlti: Ø

C.V. 9/27/00

~~Sent 9/ /00 @ 2253~~

Tested: 9.28.00 @ 10:40

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1727

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 300' South

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular & powder brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 300' SOUTH

①	②	③
Ag: 268	Ag: 294	Ag: 289
Crlo: Ø	Crlo: Ø	Crlo: 207
Crlti: Ø	Crlti: 280	Crlti: Ø

C.V. 9/27/00

~~test 9/27/00 @ 2115~~

Tested: 9.28.00 11:30

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1728

Date 9/27/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 300' center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description no granular, powder, brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

300' CENTER

(1)
Ag: 493
Crlo: Ø
Crlti: 450

(2)
Ag: 448
Crlo: 96
Crlti: Ø

(3)
Ag: 509
Crlo: Ø
Crlti: Ø

C.V. 9/27/00

~~test 9/27/00 @ 2135~~

Tested:
9.28.00 12:00

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1729

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Sample Type Soil

Sample Location Excavation Ag Outfall 300' North

Name (Print) Glenn VanDerpoel

Signature _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular + powder brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 300' NORTH

① Ag: 5001 Carb: 190 Cr/Ni: Ø

② Ag: 5075 Carb: Ø Cr/Ni: Ø

③ Ag: 5040 Carb: Ø Cr/Ni Ø

C.V. 9/27/00

Tested: 9.28.00 14:15

[illegible] 9/27/00 @ 2157

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1724

Date 9/27/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

Ag Outfall 350' South

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description fine granular, brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 350' SOUTH

(1)

Ag: 217

Crlo: Ø

Crlti: Ø

(2)

Ag: 212 ppm

Crlo: no readings Ø

Crlti: no readings Ø

(3)

Ag: 240 ppm

Crlo: 113 ppm

Crlti: no reading 0

C.V. 9/27/00

~~test 9/27/00 @ 2010~~

Tested: 9.28.00 14:50

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1725

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 350' Center

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular, powder ak brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

350' CENTER

1	2	3
Ag: 624 ppm	Ag: 646 ppm	Ag: 660 ppm
Crlo: no reading Ø	Crlo: 163 ppm	Crlo: 86 ppm
Crlli: no reading Ø	Crlli: no reading Ø	Crlli: no reading Ø

C.V. 9/27/00

~~test 9/27/00 @ 2035~~

Tested: 9.28.00 15:1[illegible]

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1726

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 350' North

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description no granular, powder med. brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

350' NORTH

(1)

Ag: 128

Carb: 36

Carb: NA

(2)

Ag: 158

Carb: NA

Carb: NA

(3)

Ag: 164

Carb: no reading 0

Carb: no reading 0

C.V. 9/27/00

~~Rev 9/27/00 @ 2055~~

Tested: 9.28.00 15:45

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1721

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 400' South

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 400' SOUTH

(1)

Ag: 9/27 C.V. ~~644~~ 129 ppm

Cr/D: 9/27 C.V. ~~122~~ ppm

C.V. 9/27 ~~160 ppm~~ 135 ppm

Cr/H: 9/27 C.V. ~~no reading~~ 0

460 ppm

(2)

Ag: 9/27 C.V. ~~636 ppm~~ 121 ppm

Cr/D: 9/27 C.V. ~~no reading~~ 0 no reading 0

Cr/H: 9/27 C.V. ~~no reading~~ 0 no reading 0

(3)

Ag: 110 ppm

Cr/D: no reading 0

Cr/H: 390 ppm

C.V. 9/27

Date 9/27/00 @ ~~1830~~ 1950

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1722

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 400' Center

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C	Control No.

Weather

Sample Description Very fine granular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 400' CENTER

(1)

Ag: 257 ppm

Carb: no reading 0

Carb: no reading 0

(2)

Ag: 257 ppm

Carb: no reading 0

Carb: no reading 0

(3)

Ag: 276 ppm

Carb: no reading 0

Carb: no reading 0

test 9/27/00 @ 1850

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1723

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag Outfall 400' north

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description no granular fine ~~powder~~ powder - dk brown cr 9/27

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 400' NORTH

①	②	③
Ag: 1709 ppm	Ag: 1659 ppm	Ag: 1653
Cr/d: 320 ppm	Cr/d: 260 ppm	Cr/d: 160
Cr/Hi: no reading	Cr/Hi: no reading	Cr/Hi:

test 9/27/00 @ 1910

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1718

Date **Time**

Sample Type Soil

Technical Area 16 **Operable Unit** 1082

Sample Location ~~Pest blend upper drainage~~ 450' South

HgOutfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) Randy Johnson

Composite Type: None

Signature _____

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description lt brn, fine particles

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

Media code:

① Ag 105 ② 91 ③ 145

Ø Ø Ø

CrLo Ø

Ø

Ø

CrHi Ø

Test 9·28·00 @ 10:30

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1719

Date 9/27/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

Ag-Outfall 450' Center

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature**

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather C.V. 9/27

Sample Description no granular ~~Power~~ powder dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 450' CENTER

① Ag: 104 ppm

Crlo: no reading Ø

Crlti: no reading Ø

② Ag: 71 ppm

Crlo: no reading Ø

Crlti: no reading Ø

③ Ag: 93 ppm

Crlo: 133 ppm

Crlti: no reading Ø

C.V. 9/27/00

~~Test~~ 9/27/00 ~~@ 1760~~ 1850 ~~@~~

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1720

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Sample Type Soil

Sample Location Excavation

Ag-Outfall 450' north

Name (Print) Glenn VanDerpoel

Signature _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather 9/27 CK

Sample Description no granular ~~power~~ powder B/K brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 450' NORTH

(1) Ag: 1231 ppm

Crlo: 91 ppm

Crlti: no reading Ø

(2) Ag: 1218 ppm

Crlo: no reading Ø

Crlti: no reading Ø

(3) Ag: 1210 ppm

Crlo: no reading Ø

Crlti: no reading Ø

Ag + 9/27/00 @ ~~1640~~ 1930 CK 9/27

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1715

Date Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06554
500' SOUTH Ag Outfall

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

① Ag 221 ppm
Crlo 79 ppm
Crhi: ∅

② Ag 183 ppm
Crlo 279 ppm
Crhi: 710 ppm

③ Ag 196 ppm
Crlo 220 ppm
Crhi: ∅

logged + Tested 9/25/00 @ 1405

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1716

Date Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06555 500' CENTER Ag-Outfall

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

① Ag 298 ppm
Crlo ∅
Crhi ∅

② Ag 239 ppm
Crlo ∅
Crhi ∅

③ Ag 39 ppm
Crlo ∅
Crhi ∅

logged + Tested 9/25/00 @ 1200

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1717

Date **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06556
500' NORTH Ag Outfall

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

① Ag 1413 ppm
Crlo ∅
Crhi ∅

② Ag 1468 ppm
Crlo 144 ppm
Crhi ∅

③ Ag 1543 ppm
Crlo ∅
Crhi ∅

logged + Tested @ 9/25/00 @ 1140.

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1712

Date **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06551
550' south Ag Outfall

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

550' S

Comments:

①	②	③
Ag 207 ppm	Ag 211 ppm	Ag 191 ppm
Crlo 142 ppm	Crlo ∅	Crlo ∅
Crhi ∅	Crhi ∅	Crhi ∅

logged + Tested 9/25/00 @ 1515

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1713

Date **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06552
550' CENTER Ag Outfall

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

(1)

Ag 339 ppm

Crlo 140 ppm

Crhi ∅

(2)

Ag 317 ppm

Crlo 229 ppm

Crhi ∅

(3)

Ag 341 ppm

Crlo 223 ppm

Crhi ∅

logged + Tested 9/25/00 @ 1450

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1714

Date **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation 16-06553
550' NORTH Ag Outfall

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

① Ag 263 ppm
Crlo Ø
Crhi Ø

② Ag 216 ppm
Crlo 156 ppm
Crhi Ø

③ Ag 226 ppm
Crlo 144 ppm
Crhi Ø

logged + Tested 9/25/00 @ 1425

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1709

Date 9/26/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag-Outfall - 600' South

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular, no platy, no angular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 600' South

(1)
Ag: 339 ppm
Crlo: 125 ppm
Crhi: no reading Ø

(2)
Ag: 295 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(3)
Ag: 304 ppm
Crlo: no reading Ø
Crhi: no reading Ø

tested 9/24/00 @ 0950

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1710

Date 9/26/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag-Outfall 600' Center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular, no platy, no angular

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample: 600' center

① Ag: 234 ppm
Crlo: no reading Ø
Crhi: no reading Ø

② Ag: 270 ppm
Crlo: no reading Ø
Crhi: no reading Ø

③ Ag: 241 ppm
Crlo: 233 ppm
Crhi: 398 ppm

tested @ 0925 9/26/00

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1711

Date 9/25/00 Time 1545 Sample Type Soil

Technical Area 16 Operable Unit 1082 Sample Location Excavation Ag Outfall 600' North

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No Name (Print) Glenn VanDerpoel

Composite Type: None Signature

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular, no angular, no platy, dk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 600' ~~Center~~ C.V. North

(1) Ag: 226 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(2) Ag: 190 ppm
Crlo: no reading Ø
Crhi: no reading Ø

(3) Ag: 227 ppm
Crlo: no reading Ø
Crhi: no reading Ø

test 9/26/00 @ 1010

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1706

Date 9/27/00 **Time** **Sample Type** Soil

Technical Area 16 **Operable Unit** 1082 **Sample Location** Excavation

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No **Name (Print)** Glenn VanDerpoel

Composite Type: None **Signature** _____

Grabs:

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C	Control No.

Weather _____

Sample Description Very fine granular, no angular, no platy, dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 650' SOUTH

①	②	③
Ag: 556 ppm	Ag: 529 ppm	Ag: 533 ppm
Crlo: no reading Ø	Crlo: no reading Ø	Crlo: no reading
Crtti: no reading Ø	Crtti: no reading Ø	Crtti: 440 ppm

test 9/27/00 @ 1426

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1707

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag Outfall 650' center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description very fine granular

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 650' CENTER

①	②	③
Ag: 126 ppm	Ag: 144 ppm	Ag: ~~380~~ 84 ppm c.r. 9/27
Crlo: 100 ppm	Crlo: no reading Ø	Crlo: no reading Ø
Crtti: no reading Ø	Crtti: no reading Ø	Crtti: 380 ppm

test 9/27/00 @ 1550

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1708

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag-Outfall 650' North

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description Very fine granular dk brown

Field Screening

Loc ID	Depth	Screening Method	Result	Units	Comments
	0 to 0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

650' NORTH

(1) Ag: no readings ∅

Cr/O: no readings ∅

Cr/Hi: no readings ∅

(2) Ag: no readings ∅

Cr/O: no readings ∅

Cr/Hi: no reading ∅

(3) Ag: no readings ∅

Cr/O: no readings ∅

Cr/Hi: no reading ∅

Post 9/27/00 @ 1520

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1703

Date 9/27/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 700' South

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description very fine granular dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 700' SOUTH

(1)
Ag. no reading Ø
Crlo: 830
Crhi: no reading Ø

(2)
Ag: Ø
Crlo: 850 ppm
Crhi: no reading Ø

(3)
Ag: 130 ppm
Crlo: no reading Ø
Crhi: 430 ppm

test 9/27/00 @ 1540

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1704

Date 9/27/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 700' Center

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 700' CENTER

(1) Ag: 29 ppm

Crlo: no reading Ø

CrHi: no reading Ø

(2) Ag: 39

Crlo: no reading Ø

CrHi: no reading Ø

(3) Ag: 50

Crlo: 133

CrHi: 290

Post 9/27/00 @ 1600

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1705

Date 9/27/00 Time

Technical Area 16 Operable Unit 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 700' North

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Sample 700' NORTH

(1)
Ag: 44 ppm
Crlo: no reading Ø
Crhi: 270 ppm

(2)
Ag: 98 ppm
Crlo: 119 ppm
Crhi: no reading Ø

(3)
Ag: 122 ppm
Crlo: no reading Ø
Crhi: no reading Ø

test 9/27/00 @ 1620

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1700

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag: Outfall 738' South C.V. 9/27

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description Very fine granular Dark Brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

738' SOUTH

(1)
Ag: 48ppm
Crb: no reading Ø
Crlli: no reading Ø

(2)
Ag: 32ppm
Crb: no reading Ø
Crlli: no reading Ø

(3)
Ag: 21ppm
Crlo: no reading Ø
Crlli: no reading Ø

Done 9/27/00 @ 1730

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1701

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation

Ag-Outfall - 738 Center

Name (Print) Glenn VanDerpoel

Signature

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather powder

Sample Description no granular - ~~powder~~ cr. blk brown 9/27

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 738' CENTER

(1)

Ag: Ø no reading

Cr/O: 132 ppm

Cr/Ti: Ø no reading

(2)

Ag: 20 ppm

Cr/O: 176 ppm

Cr/Ti: no reading Ø

(3)

Ag: no reading Ø

Cr/O: no reading Ø

Cr/Ti no reading Ø

[illegible] 9/27/00 @ 1750

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00-1702

Date 9/27/00 **Time**

Technical Area 16 **Operable Unit** 1082

QA/QC Type Field Screening Only

Composite: ○ Yes ◉ No

Composite Type: None

Grabs:

Sample Type Soil

Sample Location Excavation Ag-Outfall 738' north

Name (Print) Glenn VanDerpoel

Signature _____

Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description no granular - blk brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
	0 to	0	PAH		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: 738' NORTH

①	②	③
Ag: 306 ppm	Ag: 252 ppm	Ag: 254 ppm
Crlo: no reading Ø	Crlo: 212 ppm	Crlo: 218 ppm
Crlti: no reading Ø	Crlti: no reading Ø	Crlti: no reading Ø

Amt 9/27/00 @ 1810

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/20/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Post blend upper drainage

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature _____

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather _____

Sample Description _____

Field Screening

Loc. ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments:

Media code: Sample

Tail Ag-Outfall G.V.

logged + tested - 1640 - 9/20/00

Crlo: 126 ppm

Ag: 45 ppm

CrHi: no reading

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/20/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Post blend upper drainage

Ag-Outfall

QA/QC Type None

Composite: ☒ Yes GV ◉ No

Composite Type: None 9/20/00

Name (Print) Randy Johnson

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description fine granular no platy no angular dark brown

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC - HMX		ppm	
16-0	0 to	0	HPLC - RDX		ppm	
16-0	0 to	0	HPLC - TNT		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

HE - neg.

Ag - 33 ppm

Cr Hi: no reading Ca: 14520 ppm Ti: 2930 ppm

Cr Lo: no reading K: 24760 ppm Fe: 16200 ppm

Comments:

Media code:

Sample: GV

1110 - 9-19-00 Ag-Outfall V.C.P.

Logged & tested 9/20/00 @ ~~11:15am~~ 11:25am CV 9/20/00

retested: 9/20/00 @ 11:30am

Ag: 38 ppm

Ca: 14820 ppm

Fe: 15300 ppm

K: 25200 ppm

Cr Hi: no reading

Ti: 2860 ppm

Cr Lo: no reading

Los Alamos National Laboratory Environmental Restoration Program

SAMPLE COLLECTION LOG FOR SAMPLE ID RE16-00

Date 9/20/00 Time

Sample Type Soil

Technical Area 16 Operable Unit 1082

Sample Location Post blend upper drainage

Ag-Outfall

QA/QC Type None

Composite: ○ Yes ◉ No

Name (Print) ~~Randy Johnson~~

Composite Type: None

Signature

Grabs:

	Location ID	Stake ID	Start Depth	End Depth	Units	Vol	Units	Comments
1	16-	NA	0	0		0		

These Samples were collected using LANL ER SOP 06.09

ID	Analysis	Container	Preservative	C of C Control No.

Weather

Sample Description

Field Screening

Loc ID	Depth		Screening Method	Result	Units	Comments
16-0	0 to	0	HPLC-HMX		ppm	
16-0	0 to	0	HPLC-RDX		ppm	
16-0	0 to	0	HPLC-TNT		ppm	

Photo (Roll, Frame, Azimuth, Subject, Participants):

Comments: Retest higher count time:

Media code:

Sample: S.V. 1110 9-19-00 Ag-Outfall V.C.P.

logged + tested 9/20/00 @ 1710

Ag: 36 ppm

Cr(t): 690 ppm

Cr(o):

Appendix 4

Chain-of-Custody/Request for Analysis Forms

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): [illegible] Affiliation: IT Corporation	Date: 9/29/00	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): [illegible] Affiliation: CTR	Time: 1330	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: Rad Van

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0301	03	9/28/00 1330	125 ml Glass	Soil	Ice	SEMI	
RE16-00-0301	04	1330	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0301	06	1330	5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0301	05	1330	5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0300	07	1305	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0300	01	1305	125 ml Glass	Soil	Ice	HEXP	
RE16-00-0300	02	1305	125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0300	05	1305	5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0300	06	1305	5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0300	04	1305	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0300	03	1305	125 ml Glass	Soil	Ice	SEMI	
RE16-00-0301	02	1330	125 ml Polyethylene	Soil	Ice	METTAL	

Original - LANL Destination Yellow - RPF Pink - FTL Copy

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0301	01	1330 9/28/00	125 ml Glass	Soil	Ice	HEXP	
RE16-00-0301	07	1330	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0302	07	1355	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0302	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0302	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0302	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0302	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0302	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0302	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0303	07	1420	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0303	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0303	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0303	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0303	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0303	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0303	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0304	07	1450	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0304	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0304	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0304	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0304	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0304	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0304	03		125 ml Glass	Soil	Ice	SEMI	

Original - LANL Destination Yellow - RPF Pink - FTL Copy

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corporation	Date: 9/29/00	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time: 1330	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: Rad Van

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0305	07	1510 9/28/00	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0305	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0305	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0305	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0305	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0305	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0305	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0306	07	1645	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0306	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0306	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0306	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0306	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	

Original - LANL Destination Yellow - RPF Pink - FTL Copy

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0306	04	10:15 9/28/00	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0306	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0307	07	11:55	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0307	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0307	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0307	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0307	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0307	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0307	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0308	07	17:20	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0308	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0308	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0308	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0308	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0308	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0308	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0309	07	17:30	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0309	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0309	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0309	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0309	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0309	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0309	03		125 ml Glass	Soil	Ice	SEMI	

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16 Operable Unit 1082	Send Lab Report to Karen Shultz Paige M992	Field Unit Leader Warren Neff (505)665-9259
Date OU Contact Lynn Kidman Contact Phone No (505) 661-5200	LANL Destination SMO LANL Contact Stephanie Hagelberg LANL Mail Stop	Turnaround 30 days Lab Report Required Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corporation	Date: 9/28/00	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time: 1330	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: Rad Van

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0310	07	1755 9/28/00	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0310	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0310	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0310	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0310	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0310	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0310	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0311	07	1810	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0311	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0311	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0311	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0311	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area	16	Send Lab Report to	Karen Shultz Paige	Field Unit Leader	Warren Neff
Operable Unit	1082		M992		(505)665-9259
Date		LANL Destination	SMO	Turnaround	30 days
OU Contact	Lynn Kidman	LANL Contact	Stephanie Hagelberg	Lab Report Required	
Contact Phone No	(505) 661-5200	LANL Mail Stop		Charge Code	MR3R0331U8H0

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0311	04	1810 9/28/00	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0311	03	1810	125 ml Glass	Soil	Ice	SEMI	
RE16-00-0312	07	1830	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0312	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0312	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0312	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0312	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0312	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0312	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0313	07	1815	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0313	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0313	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0313	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0313	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0313	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0313	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0314	07	1050 9/29/00	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0314	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0314	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0314	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0314	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0314	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0314	03		125 ml Glass	Soil	Ice	SEMI	

Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corporation	Date: 9/29/00	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time: 1342	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: Rad Van

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0315	07	1122 9/29/00	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0315	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0315	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0315	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0315	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	
RE16-00-0315	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0315	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0316	07	1122	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0316	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0316	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0316	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0316	06		5 gm Encore Container-B	Soil	Ice	VOCECORE	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0316	04	1122 9/29/00	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0316	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0317	07	1140	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0317	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0317	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0317	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0317	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0317	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0317	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0318	07	1122	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0318	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0318	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0318	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0318	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0318	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0318	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0319	07	1140	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0319	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0319	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0319	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0319	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0319	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0319	03		125 ml Glass	Soil	Ice	SEMI	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corporation	Date: 9/25/00	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time: 1250	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: Rad Van

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0320	07	1200 9/25/00	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0320	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0320	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0320	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0320	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	
RE16-00-0320	04		125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0320	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-0321	07	1220	5 gm Encore Container-C	Soil	Ice	VOCECORE	
RE16-00-0321	01		125 ml Glass	Soil	Ice	HEXP	
RE16-00-0321	02		125 ml Polyethylene	Soil	Ice	METTAL	
RE16-00-0321	05		5 gm Encore Container-A	Soil	Ice	VOCECORE	
RE16-00-0321	06		5 gm Encore Container-E	Soil	Ice	VOCECORE	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Shultz Paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephanie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5200	LANL Mail Stop	Charge Code MR3R0331U8H0

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-0321	04	1720 9/25/00	125 ml Polyethylene	Soil	Ice	VOCECORE	
RE16-00-0321	03		125 ml Glass	Soil	Ice	SEMI	
~~RE16-00-0322~~	~~07~~		~~5 gm Encore Container-C~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0322~~	~~01~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~HEXP~~	
~~RE16-00-0322~~	~~02~~		~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~METTAL~~	
~~RE16-00-0322~~	~~05~~		~~5 gm Encore Container-/~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0322~~	~~06~~		~~5 gm Encore Container-E~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0322~~	~~04~~		~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0322~~	~~03~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~SEMI~~	
~~RE16-00-0323~~	~~07~~		~~5 gm Encore Container-C~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0323~~	~~01~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~HEXP~~	
~~RE16-00-0323~~	~~02~~	GV 9/25/00	~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~METTAL~~	
~~RE16-00-0323~~	~~05~~		~~5 gm Encore Container-/~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0323~~	~~06~~		~~5 gm Encore Container-E~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	GV 9/25/00
~~RE16-00-0323~~	~~04~~		~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0323~~	~~03~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~SEMI~~	
~~RE16-00-0324~~	~~07~~		~~5 gm Encore Container-C~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0324~~	~~01~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~HEXP~~	
~~RE16-00-0324~~	~~02~~		~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~METTAL~~	
~~RE16-00-0324~~	~~05~~		~~5 gm Encore Container-/~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0324~~	~~06~~		~~5 gm Encore Container-E~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0324~~	~~04~~		~~125 ml Polyethylene~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0324~~	~~03~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~SEMI~~	
~~RE16-00-0325~~	~~07~~		~~5 gm Encore Container-C~~	~~Soil~~	~~Ice~~	~~VOCECORE~~	
~~RE16-00-0325~~	~~01~~		~~125 ml Glass~~	~~Soil~~	~~Ice~~	~~HEXP~~	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Schultz paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephannie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5227	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corp.	Date:	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: None

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-4066	04	9/26/00 1525	125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4066	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4066	01		250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4066	02		125 ml Glass	Soil	None	PCB	
RE16-00-4065	02	1525	125 ml Glass	Soil	None	PCB	
RE16-00-4065	01		250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4065	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4065	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Schultz paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephannie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5227	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corp.	Date:	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: None

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-4067	01	9/26/00 1535	250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4067	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4067	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4067	02		125 ml Glass	Soil	None	PCB	
RE16-00-4068	01	1548	250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4068	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4068	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4068	02		125 ml Glass	Soil	None	PCB	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Schultz paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephannie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5227	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corp.	Date:	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: None

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-4069	01	9/26/00 1600	250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4069	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4069	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4069	02		125 ml Glass	Soil	None	PCB	
RE16-00-4070	01	1600	250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4070	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4070	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4070	02		125 ml Glass	Soil	None	PCB	

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Los Alamos National Laboratory Environmental Restoration (Los Alamos, NM 87545)

CHAIN OF CUSTODY/REQUEST FOR ANALYSIS

Technical Area 16	Send Lab Report to Karen Schultz paige	Field Unit Leader Warren Neff
Operable Unit 1082	M992	(505)665-9259
Date	LANL Destination SMO	Turnaround 30 days
OU Contact Lynn Kidman	LANL Contact Stephannie Hagelberg	Lab Report Required
Contact Phone No (505) 661-5227	LANL Mail Stop	Charge Code MR3R0331U8H0

Relinquished by: Glenn VanDerpoel (Signature): Affiliation: IT Corp.	Date:	Relinquished by: (Signature): Affiliation:	Date:	Relinquished by: (Signature): Affiliation:	Date:
Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:	Received by: (Signature): Affiliation:	Time:

POSSIBLE HAZARD IDENTIFICATION: (please indicate if sample(s) are hazardous materials and/or suspected to contain high levels of hazardous substances): Radiological___ Highly Toxic___ Flammable___ Skin Irritant___ Non-Hazard___ Other___

SCREENING METHOD: None

SAMPLE DISPOSAL: Disposal by Lab

Comments:

Field Unique Sample #/ID	Cont ID	Date & Time Collected	Sample Container Volume/Material	Matrix	Preserv	ANALYSIS REQUESTED: (SMO Order Codes)	REMARKS (Conditions of receipt, etc.)
RE16-00-4071	01	9/26/00 1611	250 ml Amber Glass	Soil	None	METTCLP	
RE16-00-4071	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4071	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4071	02		125 ml Glass	Soil	None	PCB	
RE16-00-4072	02	1620	125 ml Glass	Soil	None	PCB	
RE16-00-4072	04		125 ml Septum Amber gl	Soil	Ice	VOAGCMS	
RE16-00-4072	03		125 ml Glass	Soil	Ice	SEMI	
RE16-00-4072	01		250 ml Amber Glass	Soil	None	METTCLP	

Original - LANL Destination Yellow - RPF Pink - FTL Copy

Appendix 5
Weekly Activity Reports

Interim Measure at PRS 16-020, Ag Outfall

Week of: 09/11/00

Field Activities:

Performed site walk on Monday morning with Don Hickmott, Lynn Kidman, Dan Sandoval, Jessie Ish, Elmer Alcon, and Glenn VanDerpoel. Purpose of site walk was to attempt to delineate the outfall boundaries to a distance of ~738' downgradient. Used pin flags to mark lateral extent of drainage whenever/wherever possible. Contacted subcontractor and scheduled delivery of heavy equipment and coordinated schedules of equipment operators. At ~1530 was notified of a potential gas leak in the area of 16-222 and were informed that we needed to be out of the area.

Tuesday; took delivery of heavy equipment from subcontractor. A CAT 416 backhoe and a Komatsu 320 loader were delivered. Arrange for Safe Work Permits for heavy equipment. Staged equipment at TA-16 trailers. In addition to accepting and inspecting heavy equipment, crew established work zones, laid out transects at 300', 425', 526', and 738'. Transects were established in areas where field-screening samples would be collected. Samples were collected to help define the lateral extent of contamination in areas of the outfall where the drainage patterns were unclear. Samples where collected at each transect, starting at the approximate middle of the drainage and extending to the North and South in 2.5' intervals until the presumed outer edges of the drainage channel where encountered.

Wednesday; dumptruck delivered to site, safe work permit obtained for truck. Vehicle/equipment inspection performed on dumptruck. Inspect 90's line soil pads. Pads currently in use by Weston do not appear to be in very good shape. Locate another open area in 90's line area as a potential location for use as our soil staging area. Use onsite XRF to perform analysis on soil samples collected from transects. Take photographs of site. Have crew use chainsaw to remove trees that were damaged by the fire and to remove trees that would hinder equipment access. Perform site walk with Lynn Kidman, Sam Gardner, and Glenn VanDerpoel to determine best approach for soil removal.

Thursday; ready to begin excavation. Perform baseline HE spot test on heavy equipment, prior to use, to verify that equipment is HE free. First load of soil (~10 cu.yds.) loaded into dumptruck from the start of the outfall at ~1155. Plastic sheeting received from Frank's supply, sheeting to be used to line soil staging area. At ~1400 a cable, not previously identified in the utilities survey, was cut through by the backhoe bucket. Cable did not appear to be energized. All excavation activities were stopped. Call was placed to Lynn Kidman and Dan Sandoval to notify them of incident. All required notifications were made. Dan Sandoval onsite at 1520. He checked the cable with a TIF100 TIC Tracer. No power was detected by the TIC100. Roger Goldie, Roscoe Banks, and Bill McCormick onsite at ~1530, they contacted their electricians and arranged to have them come out and check the line. Roy Epperson and Leroy Gutierez LANL electricians' onsite to inspect cut line. No power was detected. Gene Velasquez and Karl Valdez, utility spotters, onsite at ~1600 to see what had occurred. Gene said that we would have to remain shut down until a new permit could be issued. He said that he would be out at ~0730 tomorrow to issue a revised permit.

Friday; Gene Velasquez and Karl Valdez onsite to issue the revised excavation permit. A Komatsu excavator delivered to the site to replace the CAT 416 backhoe. Excavator will complete the excavation phase more efficiently than the backhoe. Four loads of soil (~40 cu.yds.) moved today. Soil excavated to a max depth of ~6' out to a distance of ~20' downgradient. Original plan was to slope the excavation from the max depth excavated at the start of the outfall out to a depth of ~1' at ~100' down-gradient. Don Hickmott onsite and asked to have us slope the excavation out to ~1' deep at the 50' mark instead of the 100' mark. Dan Sandoval onsite at 1135. Dan was concerned about the possible presence of Be in the soil. He asked if we had any analytical data on Be from previous sampling. I told him that I would look into it.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 9/11/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Jessie Ish

Field Team Feedback and lessons learned: No feedback was received from the field team.

XRF Field Screening Samples Collected: 38
Total Collected to Date: 38

Laboratory Samples Submitted: 0
Total Submitted to Date: 0

Estimated volume of material excavated: 50 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 09/18/00

Field Activities:
Monday; continue excavation activities. Transport 6 loads of soil (~60 cu.yds.) to soil staging area. Excavation extends to ~250' down gradient. Take several photos of the site to document the days activities.

Tuesday, continue excavation activities. HE decontamination slip obtained from Bill McCormick and Cat 416 backhoe released from the site. Eight more loads (~80 cu.yds) of soil excavated and loaded today. Excavation now extends to ~600' down gradient. Dust level measurement made in excavator cab with a Miniram. TWA for a 10 minute sampling event in the cab was 0.16 mg/m3.

Wednesday, continue excavation activities. Five loads of soil (~50 cu.yds.) were excavated and loaded today. Excavation activities were completed. Excavation extends to ~738' down gradient. A total of 24 loads of soil have been removed. Total estimated soil volume is from 240 to 280 cu. yds. A soil sample is collected from the dark colored soil horizon located immediately below the outfall drainage pipes and is analyzed on the XRF for metals. No elevated levels of Ag are detected by the XRF in the sample.

Thursday, equipment decontamination, soil pile stabilization, and sample location delineation. Crew decontaminates the dumptruck, front-end loader, and the excavator. Utilize pin flags to identify sampling locations. Transects established according to project sampling plan. Transects begin at the start of the outfall (0') and continue in 25' intervals until 100'. Transects then continue in 50' intervals until 700'. Last transect is established at 738'. At each transect, pin flags are placed in the center of the excavated outfall and on the sidewalls of the outfall oriented either East West or North South. A binding agent is sprayed onto the soil piles to prevent the soil from being dispersed in the wind.

Friday, XRF field screening sample collection. Surface soil samples are collected from each location identified by pin flags. Sample ID's range from RE16-00-1700 to RE16-00-1753. A total of 54 soil samples were collected for XRF analysis. Additional photographs are taken of site.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 9/18/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Jessie Ish

Field Team Feedback and lessons learned: No feedback was received from the field team.

XRF Field Screening Samples Collected: 54
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 0

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 09/25/00

Field Activities:
Monday, site activities limited to XRF analysis of soil samples at TA-16 trailers.

Tuesday, continue XRF analysis of soil samples, pick up sampling supplies from SMO and collect waste characterization samples from soil piles. Eight waste characterization samples were collected. Sample ID's RE16-00-4065 through RE16-00-4072. Samples to be analyzed for TCLP Metals, PCB's, SVOC's and VOC's.

Wednesday, continue XRF analysis, perform PAH field screening. PAH field screening was performed on soil samples collected from the 5 transects ranging from 0' to 100'. Results indicated that PAH's are present in some of the soils at levels >1ppm.

Thursday, continue with XRF analysis of soil samples, begin collection of soil samples for off-site analysis. Six soil samples were collected from 3 locations in the lower third (400' to 738') of the outfall. Samples were collected from the location identified at 400' North, location ID 16-06562; 500'Center, location ID 16-06555; and 700' South, location ID 16-06542. Two samples were collected from each location. One sample was collected from the surface and the other was collected from a depth of ~24". Samples were also collected from the first third of the outfall (0'-100'). Eight samples were collected from 4 locations. The locations were 75' West, location ID 16-06583; 25'East, location ID 16-06587, 25" Center, location ID, 16-06588; and 0' Center, location ID 16-06591. These samples will be analyzed for HE, total metals, SVOCs, and VOCs. Steve Veenis onsite for site walk and to evaluate site for the installation of erosion control measures.

Friday, complete the collection of the offsite soil samples. Eight samples were collected from 3 locations from middle of the outfall. Two sets of samples (1 regular, 1 duplicate) were collected from one location in compliance with the OU 1082 Site Specific Quality Assurance Project Plan. The location for the duplicate sampling was 300' North, location ID 16-06568. The other two sample locations were; 200' Center, location ID 16-06573 and 350' Center, location ID 16-06564. Two samples were collected at each location. One sample was collected from the surface and one at a depth of 24". Perform IT health ans safety audit of project. No other field activities were performed.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 9/25/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Jessie Ish

Field Team Feedback and lessons learned: No feedback was received from the field team.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 30
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/02/00

Field Activities:
Monday, no field or office work was performed.

Tuesday, office based work comprised of compiling field screen data into spreadsheet format.

Wednesday, data review and discuss remaining level of effort for restoration activities.

Thursday, installed cover on soil piles.

Friday, no fieldwork performed.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/02/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: TBD
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/09/00

Field Activities:
Monday, Tuesday, Wednesday, Thursday, Friday.
Worked on the review of LANL ER SOP's and began work on Ag Outfall final report.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/09/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: TBD
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/16/00

Field Activities:
Monday, perform site inspection; determine the volume of clean soil needed (basecourse) to backfill the beginning of the outfall and to stabilize soil at various locations.

Tuesday, no fieldwork, in IT office worked on final report.

Wednesday, begin site restoration activities. Receive four truckloads of basecourse from LaFarge. Recontour/slope start of outfall.

Thursday, continue with site restoration activities. Complete backfill operation at the start of the outfall. From the start of the outfall to ~35' downslope, area is recontoured, sloped and graded.

Friday, no field work.

Interim Measure at PRS 16-020, Ag Outfall
Week of: 10/16/00

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 10/23/00

Activities:

Monday, Tasks: demobilize CAT 307B track excavator. Meet RUST Rentals truck driver at TA-16 to coordinate equipment pickup.
Monday, Staff and Hours Billed: Glenn VanDerpoel, 4.5 hours fieldwork, and 2.5 hours field summary report.

Tuesday, Tasks: no fieldwork, in IT office worked on field summary report.
Tuesday, Staff and Hours Billed: Glenn VanDerpoel, 5 hours field summary report.

Wednesday, Tasks: none.
Wednesday, Staff and Hours Billed: N/A

Thursday, Tasks: none.
Thursday, Staff and Hours Billed: N/A.

Friday, Tasks: none.
Friday, Staff and Hours Billed: N/A

Deviations from Proposed Work:

The following details the changes in scope that occurred during the execution of field activities for this project:

1. The addition of a 10 cubic-yard dumptruck, truck driver, Q-cleared escort for truck driver, and the set-up/management of the soil staging area (purchase and layout of plastic sheeting and purchase and installation of tarp). Dumptruck was used to transport waste soil to the soil staging area established West of the IT/TA-16 office trailers. Due to the limited area available for waste storage at the Silver Outfall site, an alternate waste staging location had to be selected. It was determined that a dumptruck would be the most efficient means of transporting the waste soil. Previous plans (those that allowed for onsite soil staging) utilized a front-end loader for waste soil transport. Cost ~$7,600.00
2. The original scope of work allowed for the collection and analysis of ~50 soil screening samples. However, a total of 92 screening samples were collected. Thirty-eight soil samples were collected for XRF analysis, for the purpose of channel delineation, and 54 soil samples were collected (post-excavation) for the purposes of determining cleanup effectiveness and to help determine the locations for the collection of soil samples (22 total) for off-site analysis. Cost ~$900.00
3. The original scope of work did not allow for the collection of samples for waste characterization. A total of 8 samples were collected for off-site analysis. Cost ~$1,100.00
4. Charges associated with the work stand-down resulting from the inadvertent cutting of a previously unidentified underground electric cable. Cost ~$1,200.00

Estimated total cost of deviations from proposed work , ~$10,800.00

Planned Work for Next Week:

No activities planned for next week.

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel

Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 10/30/00

Field Activities:
No activities were conducted this week.

Deviations from Proposed Work:
None

Planned Work for Next Week:
Work on field summary report.

IT Project Manager: Lynn Kidman
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 11/06/00

Activities:

Monday, Tasks, no fieldwork, in IT office worked on field summary report.
Monday, Staff and hours Billed: Glenn VanDerpoel, 8 hours field summary report.

Tuesday, Tasks, no fieldwork, in IT office worked on field summary report.
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 3.5 hours field summary report.

Wednesday, Tasks, no fieldwork, in IT office worked on field summary report
Wednesday, Staff and hours Billed: Glenn VanDerpoel, 8 hours field summary report

Thursday, Tasks, no fieldwork, in IT office worked on field summary report
Thursday, Staff and hours Billed: Glenn VanDerpoel, 8 hours field summary report

Friday, Tasks, no fieldwork, in IT office worked on field summary report
Friday, Staff and hours Billed: Glenn VanDerpoel, 7.5 hours field summary report

Deviations from Proposed Work:

No deviations from the proposed work this week.

Planned Work for Next Week:

Prepare revised cost estimate for waste management work. Complete field summary report.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 11/13/00

Activities:

Monday, Tasks, no fieldwork, in IT office worked on field summary report.
Monday, Staff and hours Billed: Glenn VanDerpoel, 3 hours field summary report.

Tuesday, Tasks, no fieldwork, in IT office worked on field summary report.
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 7 hours field summary report.

Wednesday, Tasks, no fieldwork, in IT office worked on field summary report
Wednesday, Staff and hours Billed: Glenn VanDerpoel, 6 hours field summary report

Thursday, Tasks, no fieldwork, HEPS Team Meeting
Thursday, Staff and hours Billed: Glenn VanDerpoel, 2 hours HEPS meeting

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:

No deviations from the proposed work this week.

Planned Work for Next Week:

BMP Installation, weather permitting.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 11/20/00

Activities:
Monday, Tasks, BMPs installed at site.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, BMPs installed at site
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 0.5 hours.

Wednesday, Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
None

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 11/27/00

Activities:
Monday, Tasks, none.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Inquire on waste characterization data, schedule waste removal if possible.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 12/4/00

Activities:
Monday, Tasks, Go to TA 16 to inspect the condition of the waste piles (tarps, caution tape etc.).
Monday, Staff and hours Billed: Glenn VanDerpoel, 1Hour.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, none:
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, HEPS Team Meeting
Thursday, Staff and hours Billed: Glenn VanDerpoel, 2 hours

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Inquire on waste characterization data, schedule waste removal if possible.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 12/11/00

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
None
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 12/18/00

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Off for holiday break.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 12/25/00

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Week of: 1/1/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, Attend HEPS Team meeting.
Thursday, Staff and hours Billed: Glenn VanDerpoel, 2 hours 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data, Hope to see data come in.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall

Week of: 1/8/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data, Hope to see data come in.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 1/15/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data, Hope to see data come in.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 1/22/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none
Tuesday, Staff and hours Billed: 0.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data, Hope to see data come in.
IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 1/29/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, Status waste data, status project budget
Tuesday, Staff and hours Billed: Glenn VanDerpoel 1 hour.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data. Waste disposal efforts will begin upon receipt of waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel **Date:** February 5, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 2/5/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, Status waste data, status project budget
Tuesday, Staff and hours Billed: Glenn VanDerpoel 1 hour.

Wednesday Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Status project budget, meet with GTS Duratek representative to discuss waste disposal.
Thursday, Staff and hours Billed: Glenn VanDerpoel, 1 hour

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data. Waste disposal efforts will begin upon receipt of waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Robert Monsalve-Jones, Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel **Date:** February 13, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 2/12/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data. Waste disposal efforts will begin upon receipt of waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** February 21, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 2/19/01

Activities:
Monday, Tasks, none
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, none.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, none
Friday, Staff and hours Billed: 0

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Status waste characterization data. Waste disposal efforts will begin upon receipt of waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** February 28, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 2/26/01

Activities:
Monday, worked with Karen Schultz-Paige in an attempt to locate the waste characterization data for the project.
Monday, Staff and hours billed: Glenn VanDerpoel 1hour.

Tuesday, Tasks, none.
Tuesday, Staff and hours billed: 0.

Wednesday, worked with Karen Schultz-Paige in an attempt to locate the waste characterization data for the project.
Wednesday, Staff and hours billed: Glenn VanDerpoel 1 hour.

Thursday, Tasks, none.
Thursday, Staff and hours billed: 0.

Friday, Meet with Karen Schultz-Paige, to obtain the waste characterization data.
Friday, Staff and hours billed: Glenn VanDerpoel 0.5 hours.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Review waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** March 15, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 3/5/01

Activities:
Monday, Tasks none.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks none
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, none.
Thursday, Staff and hours Billed: 0.

Friday, Tasks none.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Review waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** March 15, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 3/12/01

Activities:
Monday, Tasks none.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, none.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks none
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks; begin review of waste characterization data. Contact Duratek to inquire about waste disposal. Status project budget.
Thursday, Staff and hours Billed: Glenn VanDerpoel 4.5 hours.

Friday, Tasks none.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Review waste characterization data.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** March 20, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 3/19/01

Activities:
Monday, Tasks, Reviewed project budget and prepared for IT project review. Reviewed and organized waste management data package.
Monday, Staff and hours Billed: Glenn VanDerpoel, 4 hours.

Tuesday, Tasks, Delivered waste management data package to John Tymkowych and Don Hickmott. Attend required ER QA training session.
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 5 Hours.

Wednesday, Tasks, Attend LANL's RCRA Refresher training in White Rock. Go out to Ag Outfall with Randy Johnson (IT Project Mgr. for BMP Installation under Steve Veenis) to inspect and access existing site BMPs and determine remaining BMP installations. Site still has several inches (~8" to 24") of snow present. Need to wait for remaining snow to melt before work (BMP) can proceed.
Wednesday, Staff and hours Billed: Randy Johnson 1 hour, Glenn VanDerpoel 5 hours.

Thursday, Tasks, Contact Duratek and request a cost estimate for waste disposal.
Thursday, Staff and hours Billed: Glenn VanDerpoel 3.5 hours.

Friday, Tasks none.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Wait for response from John Tymkowych regarding waste characterization..

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** March 30, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 3/26/01

Activities:
Monday, Tasks, None.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, None.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, None.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, None.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, Prepare weekly report, status waste characterization.
Friday, Staff and hours Billed: Glenn VanDerpoel4.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Wait for response from John Tymkowych regarding waste characterization..

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** April 4, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 4/2/01

Activities:
Monday, Tasks, No project activity.
Monday, Staff and hours Billed: 0.

Tuesday, Tasks, No project activity.
Tuesday, Staff and hours Billed: 0.

Wednesday, Tasks, Prepare weekly report, status waste characterization, status project budget for the month of March, prepare monthly project report. Spoke with John Tymkowych, waste profile could take another week or two to be entered and approved.
Wednesday, Staff and hours Billed: Glenn VanDerpoel 4.5.

Thursday, Tasks, No project activity.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, No project activity.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Wait for response from John Tymkowych regarding waste characterization.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** April 10, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 4/9/01

Activities:
Monday, Tasks, Check into status of waste profile forms for the waste soils.
Monday, Staff and hours Billed: Glenn VanDerpoel 1.

Tuesday, Tasks, Prepare weekly progress report.
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 1.

Wednesday, Tasks, Submit request to extend the projects period of performance. Current period of performance ends on April 30. Requested that the period of performance be extended until ~July 30.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, No project activity.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, No project activity.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Wait for response from John Tymkowych regarding waste characterization.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** April 17, 2001

Interim Measure at PRS 16-020, Ag Outfall
Weekly Status Report
Week of: 4/16/01

Activities:
Monday, Tasks, Check into status of waste profile forms for the waste soils.
Monday, Staff and hours Billed: Glenn VanDerpoel 1.

Tuesday, Tasks, Prepare weekly progress report.
Tuesday, Staff and hours Billed: Glenn VanDerpoel, 1.

Wednesday, Tasks, Submit request to extend the projects period of performance. Current period of performance ends on April 30. Requested that the period of performance be extended until ~July 30.
Wednesday, Staff and hours Billed: 0.

Thursday, Tasks, No project activity.
Thursday, Staff and hours Billed: 0.

Friday, Tasks, No project activity.
Friday, Staff and hours Billed: 0.

Deviations from Proposed Work:
No deviations from the proposed work this week.

Planned Work for Next Week:
Wait for response from John Tymkowych regarding waste characterization.

IT Project Manager: Glenn VanDerpoel
IT Field Team Leader: Glenn VanDerpoel
IT Site Safety Officer: Glenn VanDerpoel
Field Team Feedback and lessons learned: N/A.

XRF Field Screening Samples Collected: 0
Total Collected to Date: 92

Laboratory Samples Submitted: 0
Total Submitted to Date: 30

Estimated volume of material excavated: 280 yds^3

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation **Date:** April 30, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
April 16, 2001

Tasks Completed During the Week of April 16, 2001

- Monday 4/16/01, Spoke with John Tymkowych, he stated that Area-J will accept the TA-16 soils. I need to contact Deba Daymon to make arrangements. Call Deba and leave message asking her to contact me.

- Tuesday 4/17/01, Call Deba, leave message in morning. Connect with Deba in the afternoon and explain that we would like to dispose of the TA-16 soils at Area-J for use as backfill. Deba states that she will look into my use of Area-J as a disposal option for the TA-16 soils.

- Wednesday 4/18/01,Contact Deba, she stated that she realized that she is not the contact person for Area-J and that I will need to contact Orlando Archuleta. Call Orlando and leave message.

- Thursday 4/19/01,Contact Orlando and explain that we would like to send approx. 280 yds^3 of non-regulated soil to Area-J for disposal/use as backfill. Orlando states that we can send the soil to Area-J. He stated that there wouldn't be a charge for the disposal. I ask if we could arrange to transport the soil to Area-J sometime around the second or third week of May. He stated that that would be OK.

- Friday 4/20/01, Louie Romero re-roped the waste storage area at TA-16. The old rope had blown down in the wind.

Tasks Scheduled for the week of April 23, 2001.

- None.

Schedule and Budget

- Project is proceeding on schedule. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

- Obtained approval to dispose of waste soil at Area-J.
- Estimated volume of waste soil, 280yds^3

Recorded Hours, IT Los Alamos technical and administrative staff, week of 4/16/01

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 4 hours
Pat Rael, Project Business Assistant, 2 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 1 hour.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
April 23, 2001

Tasks Completed During the Week of April 23, 2001

- Monday 4/23/01, No project activity.
- Tuesday 4/24/01, No project activity.
- Wednesday 4/25/01, No project activity.
- Thursday 4/26/01, No project activity.
- Friday 4/27/01, No project activity.

Tasks Scheduled for the week of April 30, 2001.

- Confirm that waste soil can be disposed at Area-J.
- If soil can be sent to Area-J, begin to make arrangements for transportation and loading.
- If soil can be sent to Area-J, coordinate with TA-16 personnel on the waste loading and transportation schedule and procedure.

Schedule and Budget

- Project is proceeding on schedule. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

- Verify approval to dispose of waste soil at Area-J.
- Estimated volume of waste soil, 280yds^3

Recorded Hours, IT Los Alamos technical and administrative staff, week of 4/23/01

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Pat Rael, Project Business Assistant, 2 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hour.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: May 3, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
April 30, 2001

Tasks Completed During the Week of April 30, 2001

- Monday 4/30/01, Received notice from Danna Stokes that the projects period of performance was extended. Receive word from John Tymkowych that the waste profiles and disposal requests are in place and ready to go.

- Tuesday 5/1/01, Contact Sean French and receive approval to dispose of waste soil at Area-J. Contact MCT Trucking to make arrangements to transport soil from TA-16 to TA-54. Begin the notification (contact TA-16 and TA-54) and coordination process for waste loading and transport operation. Prepare cost estimate for waste loading and transportation. Prepare an estimated cost to complete for the project. Predict that the project will be completed under the current ceiling.

- Wednesday 5/2/01, Contact Bill McCormick at TA-16 to coordinate waste loading and transport operation.

- Thursday 5/3/01, Coordinate with MCT and heavy equipment vendors on start times, equipment needs etc. for waste loading, and transportation.

- Friday 5/4/01, No project activity.

Tasks Scheduled for the week of April May 7, 2001.

- Transport waste soil from TA-16 to TA-54 Area-J.
- Begin final site restoration activities; grading, BMP installation, install brass sample location ID tags, etc.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

- Verified approval to dispose of waste soil at Area-J.
- Estimated volume of waste soil, 280yds^3

Recorded Hours, IT Los Alamos technical and administrative staff, week of April 30, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 8.5 hours
Pat Rael, Project Business Assistant, 1 hours
Irene Brooks, Admin. Support, 0.25 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hour.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
May 7, 2001

Tasks Completed During the Week of May 7, 2001

- Monday 5/7/01, Prepare for the transportation of waste soils from TA-16 to TA-54.
- Tuesday 5/8/01, Prepare for the transportation of waste soils from TA-16 to TA-54.
- Wednesday 5/9/01, Prepare for the transportation of waste soils from TA-16 to TA-54 and BMP installation activities at the Silver Outfall site. Mobilize heavy equipment to the project site. Walk site with equipment operator to plan out loading operation.
- Thursday 5/10/01, Load and transport 12 semi-truck loads of soil (approximately 200 yds^3) from TA-16 to TA-54, Area J. Grade and reseed waste staging area. Rich Urie, IT Health & Safety (H&S) Manager performs a H&S audit of operation.
- Friday 5/11/01,Install BMP's at the Silver Outfall. Installation includes the application of approximately 20 yds^3 of basecourse and the positioning of dead trees and rocks within the outfall. Crew also installs brass location ID tags at various sample locations.

Tasks Scheduled for the week of May 14, 2001.

- No field activities scheduled.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

Volume of soil removed and transported to TA-54, Area-J estimated at ~200 yds^3. Previous estimates placed the soil volume at 280 yds^3.

Recorded Hours, IT Los Alamos technical and administrative staff, week of May 7, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 23.5 hours
Pat Rael, Project Business Assistant, 4.25 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.75 hour
Louie Romero, Environmental Scientist, 9 hours.
Kevin Reid, Environmental Scientist, 9 hours.
Kenneth Hale, Equipment Operator, 28 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
May 14, 2001

Tasks Completed During the Week of May 14, 2001

- Monday 5/14/01, No field activities
- Tuesday 5/15/01, No field activities.
- Wednesday 5/16/01, No field activities. Meet with Rich Urie to review H&S audit that he conducted last week during the waste loadout activitiy. No H&S findings in the audit.
- Thursday 5/17/01, No field activities.
- Friday 5/18/01,No field activities.

Tasks Scheduled for the week of May 21, 2001.

- No field activities scheduled.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

Volume of soil removed and transported to TA-54, Area-J estimated at ~200 yds^3. Previous estimates placed the soil volume at 280 yds^3.

Recorded Hours, IT Los Alamos technical and administrative staff, week of May 14, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 4 hours
Pat Rael, Project Business Assistant, 3.75 hours
Irene Brooks, Admin. Support, 0.25 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 1 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 5 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
May 21, 2001

Tasks Completed During the Week of May 21, 2001

- Monday 5/21/01, No field activities
- Tuesday 5/22/01, No field activities.
- Wednesday 5/23/01, No field activities.
- Thursday 5/24/01, No field activities.
- Friday 5/25/01,No field activities.

Tasks Scheduled for the week of May 28, 2001.

- No field activities scheduled.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

Volume of soil removed and transported to TA-54, Area-J estimated at ~200 yds^3. Previous estimates placed the soil volume at 280 yds^3.

Recorded Hours, IT Los Alamos technical and administrative staff, week of May 21, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Pat Rael, Project Business Assistant, 4.25 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.25 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
May 28, 2001

Tasks Completed During the Week of May 28, 2001

- Monday 5/28/01, Office closed for holiday.
- Tuesday 5/29/01, No field activities.
- Wednesday 5/30/01, No field activities.
- Thursday 5/31/01, No field activities.
- Friday 6/1/01,No field activities.

Tasks Scheduled for the week of June 4, 2001.

- Look into the scheduling of a survey team to locate and survey the sample locations at the Silver Outfall site.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

Volume of soil removed and transported to TA-54, Area-J estimated at ~200 yds^3. Previous estimates placed the soil volume at 280 yds^3.

Recorded Hours, IT Los Alamos technical and administrative staff, week of May 28, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Pat Rael, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0.5 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
June 4, 2001

Tasks Completed During the Week of June 4, 2001

- Monday 6/4/01, No field activities.
- Tuesday 6/5/01, No field activities.
- Wednesday 6/6/01, Prepare monthly progress report. Review project budget.
- Thursday 6/7/01, No field activities.
- Friday 6/8/01,No field activities.

Tasks Scheduled for the week of June 11, 2001.

- Look into the scheduling of a survey team to locate and survey the sample locations at the Silver Outfall site.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of June 4, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 4 hours
Kate Gluvna, Project Business Assistant, 0.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.75 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
June 11, 2001

Tasks Completed During the Week of June 11, 2001

- Monday 6/11/01, No field activities.
- Tuesday 6/12/01, No field activities.
- Wednesday 6/13/01, No field activities.
- Thursday 6/14/01, No field activities.
- Friday 6/15/01,No field activities.

Tasks Scheduled for the week of June 18, 2001.

- Look into the scheduling of a survey team to locate and survey the sample locations at the Silver Outfall site.
- Obtain cost for materials (crushed rock, etc.) required for final BMP work

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of June 11, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Kate Gluvna, Project Business Assistant, 1.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 1 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
June 18, 2001

Tasks Completed During the Week of June 18, 2001

- Monday 6/18/01, No field activities.
- Tuesday 6/19/01, No field activities.
- Wednesday 6/20/01, No field activities.
- Thursday 6/21/01, Met briefly with UTR to discuss project. Need to move ahead and schedule the site survey so that survey information can be correlated to the analytical data.
- Friday 6/22/01,No field activities.

Tasks Scheduled for the week of June 25, 2001.

- Look into the scheduling of a survey team to locate and survey the sample locations at the Silver Outfall site.
- Obtain cost for materials (crushed rock, etc.) required for final BMP work

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of June 18, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 1 hours
Kate Gluvna, Project Business Assistant, 2.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.25 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
June 25, 2001

Tasks Completed During the Week of June 25, 2001

- Monday 6/25/01, No field activities.
- Tuesday 6/26/01, No field activities.
- Wednesday 6/27/01, Made arrangements with Bill Kopp to perform a site walk out at the Silver Outfall in order to determine the best approach for conducting the site survey.
- Thursday 6/28/01, Met with Bill Kopp and went out to the Silver Outfall to locate control points and to determine the best approach for conducting the site survey.
- Friday 6/29/01,No field activities.

Tasks Scheduled for the week of July 2, 2001.

- Perform survey of sample locations at the site.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of June 25, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 4 hours
Kate Gluvna, Project Business Assistant, 2.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.25 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
July 2, 2001

Tasks Completed During the Week of July 2, 2001

- Monday 7/2/01, Meet with Bill Kopp and go out to the project site to survey in the verification sample collection locations.
- Tuesday 7/3/01, No field activities.
- Wednesday 7/4/01, Office and Lab closed for Holiday.
- Thursday 7/5/01, Attend HEPS Team meeting.
- Friday 7/6/01,Work on monthly project management report.

Tasks Scheduled for the week of July 9, 2001.

- Review survey data prepared by Bill Kopp that had been obtained during field activities on July 2.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of July 2, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 11 hours
Kate Gluvna, Project Business Assistant, 1 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
July 9, 2001

Tasks Completed During the Week of July 2, 2001

- Monday 7/9/01, Finalize monthly report for project.
- Tuesday 7/10/01, Review map of survey coordinates from Bill Kopp.
- Wednesday 7/11/01, No field activities.
- Thursday 7/12/01, No field activities.
- Friday 7/13/01,No field activities.

Tasks Scheduled for the week of July 16, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of July 9, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 1 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
Revised
WEEKLY STATUS REPORT
Week of
July 16, 2001

Tasks Completed During the Week of July 16, 2001

- Monday 7/16/01, No field activities.
- Tuesday 7/17/01, No field activities.
- Wednesday 7/18/01, No field activities, work on weekly project management report. Spoke with Bill Kopp regarding a location ID. Location ID # 16-06539 (ID assigned to 738' South) already in FIMAD. Kristi Beguin used that location ID # out at MDA-R. Will assign a new Location ID # (16-06593) to this location (738' South).
- Thursday 7/19/01, No field activities.
- Friday 7/20/01,No field activities.

Tasks Scheduled for the week of July 23, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of July 16, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0.5 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
July 23, 2001

Tasks Completed During the Week of July 23, 2001

- Monday 7/23/01, No field activities.
- Tuesday 7/24/01, No field activities.
- Wednesday 7/25/01, No field activities.
- Thursday 7/26/01, No field activities.
- Friday 7/27/01,No field activities.

Tasks Scheduled for the week of July 30, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of July 23, 2001

Scott Den-Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
July 30, 2001

Tasks Completed During the Week of July 30, 2001

- Monday 7/30/01, No field activities.
- Tuesday 7/31/01, No field activities.
- Wednesday 8/1/01, No field activities.
- Thursday 8/2/01, No field activities.
- Friday 8/3/01,No field activities.

Tasks Scheduled for the week of August 6, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of July 30, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
August 6, 2001

Tasks Completed During the Week of August 6, 2001

- Monday 8/6/01, No field activities.
- Tuesday 8/7/01, No field activities.
- Wednesday 8/8/01, No field activities.
- Thursday 8/9/01, No field activities.
- Friday 8/10/01,No field activities.

Tasks Scheduled for the week of August 13, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of August 6, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.5 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
August 13, 2001

Tasks Completed During the Week of August 13, 2001

- Monday 8/13/01, No field activities.
- Tuesday 8/14/01, No field activities.
- Wednesday 8/15/01, No field activities, work on weekly project report.
- Thursday 8/16/01, No field activities, work on field summary report. Meet with Randy Johnson to discuss BMP work at the site. Recent rains have severely damaged the existing BMP work in the outfall. IT will need to install many BMPs (large rock and cobble) both within the outfall and up-gradient of the site to control surface storm water flow.
- Friday 8/17/01,No field activities.

Tasks Scheduled for the week of August 20, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of August 13, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 12 hours
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.5 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
August 20, 2001

Tasks Completed During the Week of August 20, 2001

- Monday 8/20/01, No field activities, met briefly with Steve Veenis to discuss BMP work at site.
- Tuesday 8/21/01, No field activities, discuss BMP work with Randy Johnson. Try to determine when we can assemble a crew and install BMPs.
- Wednesday 8/22/01, No field activities.
- Thursday 8/23/01, No field activities.
- Friday 8/24/01,No field activities.

Tasks Scheduled for the week of August 27, 2001.

- Make arrangements for the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of August 20, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 2.5 hours
Kate Gluvna, Project Business Assistant, 0 hours
Ruth Bennet, Project Business Assistant, 0.25 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.5 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
August 27, 2001

Tasks Completed During the Week of August 27, 2001

- Monday 8/27/01, No field activities.
- Tuesday 8/28/01, No field activities, contact LaFarge and order ~52 tons of 5" to 12" rock rip rap to be used for erosion control at the projects site. Delivery is set for Wednesday, September 5, 2001.
- Wednesday 8/29/01, No field activities.
- Thursday 8/30/01, No field activities.
- Friday 8/31/01,Go to the project site and photograph the erosion damage at the site. Additional photos will be taken once the BMP installation work is complete.

Tasks Scheduled for the week of September 3, 2001.

- Begin the final site restoration (BMP installation) work.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of August 27, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 4.75 hours
Kate Gluvna, Project Business Assistant, 0 hours
Ruth Bennet, Project Business Assistant, 0.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0 hour
Louie Romero, Environmental Scientist, 0 hours.
Kevin Reid, Environmental Scientist, 0 hours.
Kenneth Hale, Equipment Operator, 0 hours.
Rich Urie, IT H&S Manager, 0 hours.

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
September 3, 2001

Tasks Completed During the Week of September 3, 2001

- Monday 9/3/01, IT office and lab closed for the holiday.
- Tuesday 9/4/01, Call LaFarge and rescheduled rock delivery from Wednesday 9/5/01 to Thursday 9/6/01. Spoke with Bill Criswell of Weston and arranged to obtain at least two truck-loads of the large rock that he has stockpiled at MDA-P. Placed a call to Bill Kopp to inquire about the status of having the site survey data submitted to FIMAD, left Bill a voicemail.
- Wednesday 9/5/01, No field activities.
- Thursday 9/6/01, Work on BMP installation at the outfall. Haul in large rock from MDA-P and receive approximately 53 tons of rock riprap from LaFarge. Place an order with LaFarge for an additional 50+ tons of rock to be delivered tomorrow.
- Friday 9/7/01,Continue with and complete the rock installation portion of the BMP work onsite. Receive approximately 55 tons of rock riprap from LaFarge. All that is remaining to complete is the seeding and mulching of the site.

Tasks Scheduled for the week of September 10, 2001.

- Seed and mulch the site.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of September 3, 2001

Scott den Baars, IT Program Manager, 1 hour
Glenn VanDerpoel, IT Project Manager, 11 hours
Kate Gluvna, Project Business Assistant, 0 hours
Ruth Bennet, Project Business Assistant, 1.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Jeff Swayze, Project Controls, 0.5 hour
Robert Monslave-Jones, Environmental Scientist, 0 hours.
Ricky Schattel, Equipment Operator, 28.5 hours.
Gary Garcia, Environmental Scientist, 21.5 hours.
Randy Johnson, Environmental Scientist, 16.5 hours.
Louie Romero, Environmental Scientist, 0.5 hours

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
September 10, 2001

Tasks Completed During the Week of September 10, 2001

- Monday 9/10/01, Decontaminate and obtain HE release for the front-end loader used in the site restoration/BMP installation work. Go to the project site and begin site reseeding and mulching activities.
- Tuesday 9/11/01, Go out to the project site to continue reseeding and mulching. Events on the East coast resulted in the closure of the Lab and the removal of all ER field teams from the field.
- Wednesday 9/12/01, Return to the project site to complete the reseeding and mulching activity.
- Thursday 9/13/01, No field work.
- Friday 9/14/01, No field work.

Tasks Scheduled for the week of September 17, 2001.

- No work planned for this week.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.
- Site damage as a result of storm water flow resulted in higher than expected site restoration costs. The higher costs are due to the more extensive BMP work that was completed compared to the BMP work that had been previously planned for. I worked with Steve Veenis and Randy Johnson to determine the best course of action for BMP installation on site. To accommodate Steve and Randy's request, IT had to purchase additional rock riprap and rent heavy equipment to complete the BMP installation.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of September 10, 2001

Scott den Baars, IT Program Manager, 1 hour
Glenn VanDerpoel, IT Project Manager, 7.5 hours
Ruth Bennet, Project Business Assistant, 1.25 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Bridget Maestas, Admin. Support, 0.5 hours
Jeff Swayze, Project Controls, 0.25 hour
Robert Monslave-Jones, FTL/SSO, 17.5 hours.
Ricky Schattel, Equipment Operator, 1 hours.
Gary Garcia, Environmental Scientist, 4 hours.
Elmer Alcon, Environmental Scientist, 1 hours.
Joe Bird, Environmental Tech., 17.5 hours

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
September 17, 2001

Tasks Completed During the Week of September 17, 2001

- Monday 9/17/01, No field work.
- Tuesday 9/18/01, No field work.
- Wednesday 9/19/01, No field work.
- Thursday 9/20/01, No field work.
- Friday 9/21/01, No field work.

Tasks Scheduled for the week of September 24, 2001.

- No work planned for this week.

Schedule and Budget

- Need to revise the accrual for September. There was an error in the first accrual estimate submitted to the lab.
- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.
- Site damage as a result of storm water flow resulted in higher than expected site restoration costs. The higher costs are due to the more extensive BMP work that was completed compared to the BMP work that had been previously planned for. I worked with Steve Veenis and Randy Johnson to determine the best course of action for BMP installation on site. To accommodate Steve and Randy's request, IT had to purchase additional rock riprap and rent heavy equipment to complete the BMP installation.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of September 17, 2001

Scott den Baars, IT Program Manager, 1 hour
Glenn VanDerpoel, IT Project Manager, 0 hours
Ruth Bennet, Project Business Assistant, 1 hour
Kate Gluvna, Project Business Assistant, 1.5 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Bridget Maestas, Admin. Support, 0 hours
Jeff Swayze, Project Controls, 0.5 hour
Robert Monslave-Jones, FTL/SSO, 0 hours.
Ricky Schattel, Equipment Operator, 0 hours.
Gary Garcia, Environmental Scientist, 0 hours.
Elmer Alcon, Environmental Scientist, 0 hours.
Joe Bird, Environmental Tech., 0 hours

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
September 24, 2001

Tasks Completed During the Week of September 24, 2001

- Monday 9/24/01, meet briefly with UTR to discuss task and funding for task for the next FY.
- Tuesday 9/25/01, No field work.
- Wednesday 9/26/01, prepare weekly status report for the week of 9/17/01.
- Thursday 9/27/01, No field work.
- Friday 9/28/01, No field work.

Tasks Scheduled for the week of October 1, 2001.

- No work planned for this week.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.
- Site damage as a result of storm water flow resulted in higher than expected site restoration costs. The higher costs are due to the more extensive BMP work that was completed compared to the BMP work that had been previously planned for. I worked with Steve Veenis and Randy Johnson to determine the best course of action for BMP installation on site. To accommodate Steve and Randy's request, IT had to purchase additional rock riprap and rent heavy equipment to complete the BMP installation.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of September 24, 2001

Scott den Baars, IT Program Manager, 1 hour
Glenn VanDerpoel, IT Project Manager, 1 hours
Ruth Bennet, Project Business Assistant, 2 hour
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Bridget Maestas, Admin. Support, 0 hours
Jeff Swayze, Project Controls, 0 hour
Robert Monslave-Jones, FTL/SSO, 0 hours.
Ricky Schattel, Equipment Operator, 0 hours.
Gary Garcia, Environmental Scientist, 0 hours.
Elmer Alcon, Environmental Scientist, 0 hours.
Joe Bird, Environmental Tech., 0 hours

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Interim Measure at
PRS 16-020, Silver Outfall
WEEKLY STATUS REPORT
Week of
October 1, 2001

Tasks Completed During the Week of October 1, 2001

- Monday 10/1/01, no project activity.
- Tuesday 10/2/01, no project activity.
- Wednesday 10/3/01, no project activity.
- Thursday 10/4/01, briefly attend HEPS team to status project.
- Friday 10/5/01, no project activity.

Tasks Scheduled for the week of October 8, 2001.

- No work planned for this week.

Schedule and Budget

- Project is proceeding on schedule and under budget. Staffing and project expenditures are being aggressively managed to minimize project costs.
- Site damage as a result of storm water flow resulted in higher than expected site restoration costs. The higher costs are due to the more extensive BMP work that was completed compared to the BMP work that had been previously planned for. I worked with Steve Veenis and Randy Johnson to determine the best course of action for BMP installation on site. To accommodate Steve and Randy's request, IT had to purchase additional rock riprap and rent heavy equipment to complete the BMP installation.

Waste Management

N/A

Recorded Hours, IT Los Alamos technical and administrative staff, week of October 1, 2001

Scott den Baars, IT Program Manager, 0 hour
Glenn VanDerpoel, IT Project Manager, 1 hours
Ruth Bennet, Project Business Assistant, 1.25 hour
Kate Gluvna, Project Business Assistant, 0 hours
Irene Brooks, Admin. Support, 0 hour
Joanne Dyer, Word Processing, 0 hours
Bridget Maestas, Admin. Support, 0 hours
Jeff Swayze, Project Controls, 0 hour
Robert Monslave-Jones, FTL/SSO, 0 hours.
Ricky Schattel, Equipment Operator, 0 hours.
Gary Garcia, Environmental Scientist, 0 hours.
Elmer Alcon, Environmental Scientist, 0 hours.
Joe Bird, Environmental Tech., 0 hours

Prepared By: Glenn VanDerpoel, Project Manager, IT Corporation Date: October 31, 2001

Appendix 6

Daily Safety Briefing Forms

SAFETY BRIEFING
DATE: 09/11/00
Time: 0800

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Silver~~ Silver Outfall

Tasks to be Performed (ea. area): Equipment Mobilization/Demobilization and infrastructure installation

SPECIAL TOPICS: burnt trees/snags sink holes

DAILY ACTIVITIES **Site walk, delineate area of excavation, setting up zones, establish waste storage area,**

GENERAL TOPICS: Slips, trips, falls and lifting; heat stress, lightning, hand tools.

ISM: ways to improve efficiency, Remind everyone about eating, drinking

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, steep slopes (stay 3 feet back from edge), hand tools. Heavy equipment operations.

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress Flash floods

Biological: snakes, insects, displaced wildlife, rodents

ANYONE WITH ALLERGIES TO INSECTS ?

PPE: **In exclusion zone:** safety glasses, steel toe shoes, leather gloves, coveralls during excavation

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves. Vest

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a miniRAM** wet as needed.

EMERGENCY ACTIONS: Muster area is at the vehicle. All injuries will go to LA medical center.

MEETING CONDUCTED BY: Jessie A. Tsh (PRINT NAME) Jessie A. Tsh (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Elmer Abo	[signature]	119637	9-11-00
Glenn VanDenpool	[signature]	109152	9/11/00
Randy G. Sandoval	[signature]	078047	9/11/00
Don Hickmott	[signature]	105510	9/11/00
Lennie Brown SR	[signature] SR	175773	9-11-00
Robert Monroe-Jun	[signature]	118754	9-11-00

SAFETY BRIEFING
DATE: 09/12/00
Time: 11:10

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed (ea. area): Equipment Mobilization/Demobilization and infrastructure installation

SPECIAL TOPICS: burnt trees/snags sink holes

DAILY ACTIVITIES **Site setup, delineate zones, beginning excavation, possible tree cutting**

GENERAL TOPICS: Slips, trips, falls and lifting; heat stress, lightning, hand tools.

ISM: ways to improve efficiency, Remind everyone about eating, drinking

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, steep slopes (stay 3 feet back from edge), hand tools. Heavy equipment operations.

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress Flash floods

Biological: snakes, insects, displaced wildlife, rodents

ANYONE WITH ALLERGIES TO INSECTS ?

PPE: **In exclusion zone:** safety glasses, steel toe shoes, leather gloves, coveralls during excavation Tree cutting operation requires chaps and safety check on chain saw

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves.

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down spill pads with chainsaw for refueling.

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a miniRAM** wet as needed.

EMERGENCY ACTIONS: Muster area is at the vehicle. All injuries ~~will go~~ to LA medical center.

MEETING CONDUCTED BY: Jessie A. Tsh (PRINT NAME) Jessie A. Tsh (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Elmer Ateon	[signature]	119637	9-12-00
Joe Vargas	[signature]	175238	9/12/00
Carol Vargas	Carol Vargas	175204	9/12/00
Timothy Hatch	[signature]	175251	9/12/00
Lenore Binch	[signature]	175173	9-12-00
Darby Williams	Darby Williams	117175	9-12-00
Glenn Vasilopoul	[signature]	109152	9-12-00

SAFETY BRIEFING

DATE: 09/13/00

Time: 0935

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed (ea. area): Equipment Mobilization/Demobilization and infrastructure installation

SPECIAL TOPICS: vehicle safety - Chainsaw Admendment

DAILY ACTIVITIES **Finish setting up site. Tree cutting- ~~pebble digging~~**

GENERAL TOPICS: Slips, trips, falls and lifting; heat stress, lightning,chain saw usage, buddy system is in use on site - sign in and out all the time in long book.

ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking - exclusion zone

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, chainsaw usage, Exit only out West side of the work area ~~Heavy equipment operations.~~

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress Flash floods

Biological: snakes, insects, displaced wildlife, rodents

ANYONE WITH ALLERGIES TO INSECTS ?

PPE: **In exclusion zone:** safety glasses, steel toe shoes, leather gloves, coveralls during excavation Tree cutting operation requires chaps and safety check on chain saw

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves.

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down spill pads with chainsaw for refueling.

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a miniRAM** wet as needed.

EMERGENCY ACTIONS: One long blast with air horn. Muster area is at the vehicle. All injuries will go to LA medical center.

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Jean VanDerpool	[illegible]	109152	9/13/00
Elmer Alcon	[illegible]	119637	9-13-00
Joe Vargas	Joe Vargas	175235	9/13/2000
Carol Vargas	Carol Vargas	175204	9/13/00
David Sandoval	[illegible]	078047	9/13/00
Lennie Bical	[illegible]	175173	9.13.00

SAFETY BRIEFING

DATE: 09/14/00

Time: 0850

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed (ea. area): Equipment Mobilization/Demobilization and infrastructure installation

SPECIAL TOPICS:

DAILY ACTIVITIES **Finish setting up site. Tree cutting- posbble digging**

GENERAL TOPICS: Slips, trips, falls and lifting; heat stress, lightning,chain saw usage, buddy system is in use on site - sign in and out all the time in long book.

ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking - exclusion zone

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, chainsaw usage, Exit only out West side of the work area Heavy equipment operations.

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress Flash floods

Biological: snakes, insects, displaced wildlife, rodents

ANYONE WITH ALLERGIES TO INSECTS ?

PPE: **In exclusion zone:** safety glasses, steel toe shoes, leather gloves, coveralls during excavation Tree cutting operation requires chaps and safety check on chain saw

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves.

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down spill pads with chainsaw for refueling.

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a miniRAM** wet as needed.

EMERGENCY ACTIONS: One long blast with air horn. Muster area is at the vehicle. All injuries will go to LA medical center.

MEETING CONDUCTED BY: Jessie A Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Carol Vargas	Carol Vargas	175204	9/14/00
Elmer Alcon	[illegible]	119637	9-14-00
Joe Vargas	Joe Vargas	175235	9/14/2000
Darby Williams	Darby Williams	117175	9-14-00
Glenn Van Deusen	[illegible]	109152	9-14-00

SAFETY BRIEFING

DATE: 09/15/00

Time: 0910

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~800309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Silver~~ Silver Outfall

Tasks to be Performed (ea. area): Equipment Mobilization/Demobilization and infrastructure installation

SPECIAL TOPICS: **Buddy system** – Flash flood

DAILY ACTIVITIES **excavation**

GENERAL TOPICS: Slips, trips, falls and lifting; heat stress, lightning, buddy system is in use on site - sign in and out all the time in long book. Exit only out West side of the work area

ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking and applying sunscreen, cosmetics or lip balm in exclusion zone.

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, chainsaw usage, Heavy equipment operations.

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress, Flash floods

Biological: snakes, insects, mountain lions, coyotees, and bears, rodents

PPE: **In exclusion zone:** safety glasses, steel toe shoes, ear plugs, leather gloves, coveralls or long sleeves in exclusion zone when working with dirt. during excavation

Decon procedures: Dry brush boots, wash face and hands before coming out of the CRZ into Security zone

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves. earplugs when needed

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down spill pads with all equipment for refueling. Vehicle inspection daily before starting work.

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a mini RAM**

EMERGENCY ACTIONS: One long blast with air horn. Muster area is at the vehicle, West end of site. Will count heads and then have escorts take to TA 16 trailer then out. All injuries will go to LA medical center.

MEETING CONDUCTED BY: Glenn VanDerpool (PRINT NAME) [signature] (SIGNATURE) FTL (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Michael Garcia	Michael Garcia	148336	9-15-00
Lenna Bird	[illegible]	175173	9-15-00
Greg Mesch	[illegible]	117474	9-15-00
Jessie A. Tish	Jessie A. Tish	174170	9-15-00

SAFETY BRIEFING
DATE: 09/18/00
Time: 0854

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **Excavation of contaminated soil**

SPECIAL TOPICS: Vehicle Safety - seatbelts - vehicle inspection daily (keep with truck in binder) No shutting off back up alarm

.ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hard hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek during excavation. Orange vest on ground personnel - ear plugs when needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
MICHAEL GARCIA	Michael Garcia	148336	9-18-00
NICK ENDERS	Nick Enders	107116	9/18/00
Glenn VanDerpool	[illegible]	109152	9/18/00
Lennie Pinal	[illegible]	195173	9-18-00
Daniel Sandoval	[illegible]	078047	9/18/00

SAFETY BRIEFING
DATE: 09/19/00
Time: 0750

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **Excavation of contaminated soil**

SPECIAL TOPICS: Vehicle Safety - seatbelts - vehicle inspection daily (keep with truck in binder) No shutting off back up alarm

.ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hard hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek during excavation. Orange vest on ground personnel - ear plugs when needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
GREG MEYER	[signature]	117174	9/19/00
Michael Garcia	[signature]	148336	9-19-00
Lenna Brad	[signature]	175173	9-19-00
Glenn VanDerpoel	[signature]	109152	9-19-00
NICK ENDERS	[signature]	107116	9.19.00
Daniel Sandoval	[signature]	078044	9-19-00
Robert Monsalve Jones	[signature]	118759	9-19-00

SAFETY BRIEFING
DATE: 09/20/00
Time: 0823

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **Excavation of contaminated soil**

SPECIAL TOPICS: Vehicle Safety - seatbelts - vehicle inspection daily (keep with truck in binder) No shutting off back up alarm - ladder safety

.ISM: ways to improve efficiency, Remind everyone about eating, drinking or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hard hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek during excavation. Orange vest on ground personnel - ear plugs when needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Tish (PRINT NAME) Jessie A. Tish (SIGNATURE) SSO (TITLE)

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
MICHAEL GARCIA AKA Duke	Michael Garcia	148336	9-20-00
Jennie Black	[illegible]	175173	9-20-00
ERIC MEYER	[illegible]	117174	9-20-00
NICK ENDERS	[illegible]	107116	9/20/00
Glenn VanDerpool	[illegible]	109152	9/20/00

SAFETY BRIEFING
DATE: 09/21/00
Time: 0850

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 81\920**

AREA(s) OF OPERATION: HE Corridor, Sliver Outfall

Tasks to be Performed: **Decon heavy equipment - sampling girdes and repairing berms on soil piles**

SPECIAL TOPICS:

.ISM: ways to improve efficiency, Remind everyone about eating, or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods, wind

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hard hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek during excavation. Orange vest on ground personnel - ear plugs when needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Isl (PRINT NAME) Jessie A. Isl (SIGNATURE) SSO (TITLE)

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Carol Vargas	Carol Vargas	175204	9/21/00
Nick Enders	Nick Enders	107116	9/21/00
Glenn VanDerpool	[illegible]	109152	9/21/00
Lennie Bruch	[illegible]	175173	9-21-00
~~Jill Vargas~~	Jill Vargas	175235	9/21/00
~~Joe Vargas~~			

SAFETY BRIEFING
DATE: 09/22/00
Time: 0810

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~080309~~ 81192**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **Clean out water truck. Sampling**
SPECIAL TOPICS:

.ISM: ways to improve efficiency, Remind everyone about eating, or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods, wind

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Tsh (PRINT NAME) Jessie A. Tsh (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Lenna Black	[illegible]	175173	9-22-00

SAFETY BRIEFING
DATE: 09/26/00
Time: 0716

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **SRX - Sampling**
SPECIAL TOPICS:

.ISM: ways to improve efficiency, Remind everyone about eating, or smoking . There is only water and Gatorade at this site - Food at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Lighting and flash floods, wind

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, coveralls or Tyvek

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down ~~Enter and Exit through the CRZ - West side of site~~

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: One long blast with air horn muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Carol Vargas	Carol Vargas	175204	9/26/00
Leannie Brush	[illegible]	175173	5-26-00
Glenn VanDerpool	[illegible]	109152	9/26/00

SAFETY BRIEFING
DATE: 09/27/00
Time:

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **XRF- Sampling ~~PH on sampling~~ PAH**

.ISM: ways to improve efficiency:

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Lighting and flash floods, wind

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves

Decon: **Dry Brush boots - wash face and hands.**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
[illegible]	[illegible]	175173	9-27-00
Lonnie Birch	[illegible]		
Esther Witherow	Esther Witherow	176876	9-27-00
Glenn VanPerpoel	[illegible]	109152	9/27/00

SAFETY BRIEFING
DATE: 09/27/00
Time: 0845

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **XRF- sampling**

.ISM: ways to improve efficiency:

HAZARDS: Lighting and flash floods, wind, heavy euipment operations

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: hat,** safety glasses, steel toe shoes,disposable gloves under leather gloves, Tyvek or coveralls, orange vest (when heavy euipment is being used), ear plugs if needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves orange vest when heavy equipment is moving around.

Decon: **Dry Brush boots - wash face and hands.**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Jessie A. Toh (PRINT NAME) [signature] (SIGNATURE) SSC (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Esther Witherow	[signature]	176876	9-28-00
Lenore Binab	[signature]	175173	9-28-00
Bill Sarver	[signature]	096852	9-28-00
Del Serrano	[signature]	071388	9-28-00
Glenn VanDerpool	[signature]	109152	9-28-00
Steve Veenis	[signature]	109449	9-28-00

SAFETY BRIEFING
DATE: 09/29/00
Time: 0930

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~080309~~ 81192**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **sampling**

.ISM: ways to improve efficiency:

HAZARDS: Lighting and flash floods, wind, heavy euipment operations

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Jessie

PPE: **In exclusion zone: Hard hat,** safety glasses, steel toe shoes,disposable gloves, Tyvek or coveralls, orange vest (when heavy euipment is being used), ear plugs if needed

Outside exclusion zone: safety glasses, steel toe shoes, gloves orange vest and hard hat when heavy equipment is moving around.

Decon: **Dry Brush boots - wash face and hands.**

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in suppost zone. All injuries will go to LA medical center or hospital **BUDDY SYSTEM**

MEETING CONDUCTED BY: Jessie A. Ish (PRINT NAME) Jessie A. Ish (SIGNATURE) SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Glenn VanDerpool	[illegible]	109152	9/29/00
Lennie Binek	[illegible]	175173	9-29-00
BILL SARVER	Bill Sarver	096852	-29-

SAFETY BRIEFING
DATE: 10/05/00
Time: 1000

GV 10/5/00

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, HEPS Trailers

Tasks to be Performed: **Cover soil pile with plastic**

.ISM: **BLS accident and reportable incident statistics:**

HAZARDS: Lighting and flash floods, wind, heavy equipment operations

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Robert

PPE: **In exclusion zone: Hard hat,** safety glasses, steel toe shoes, disposable gloves, Tyvek or coveralls, orange vest (when heavy equipment is being used), ear plugs if needed

Outside exclusion zone: safety glasses, steel toe shoes, gloves orange vest and hard hat when heavy equipment is moving around.

Decon: **Dry Brush boots - wash face and hands.**

ENG./ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted. **with a MINI RAM** wet as needed.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in support zone. All injuries will go to LA medical center or hospital **BUDDY SYSTEM**

MEETING CONDUCTED BY: Robert Monsalve-Jones [signature] 550

PRINT NAME SIGNATURE TITLE

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Joe Vargas	[signature]	75235	10/5/00
Timothy Moran	[signature]	175231	10-5-00

SAFETY BRIEFING
DATE: ~~09~~ 10/16/00
Time: 1100

TA-16 PRS 16-~~019~~ 020 SSHASP 299 IT CORPORATION ~~880309~~ 811920

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed (ea. area): BMP work, site restoration

SPECIAL TOPICS: **Heavy Equipment Operation** 416C, 307B

DAILY ACTIVITIES **Site Restoration**

GENERAL TOPICS: Slips, trips, falls and lifting; lightning, hand tools.

ISM: **Review of loader incident at 260IM and reminder that safety is still number one even with the job almost complete.**

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, steep slopes (stay 3 feet back from edge), hand tools. Heavy equipment operations.

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress Flash floods

Biological: snakes, insects, displaced wildlife, rodents

ANYONE WITH ALLERGIES TO INSECTS ?

PPE: **In exclusion zone:** safety glasses, steel toe shoes, leather gloves, coveralls during excavation Tree cutting operation requires chaps and safety check on chain saw

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves.

ENG/ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down spill pads with chainsaw for refueling.

MONITORING: Visible dust for more then 2 minutes.

EMERGENCY ACTIONS: Muster area is at the vehicle. All injuries will go to LA medical center.

MEETING CONDUCTED BY: Robert Morales-Jr (PRINT NAME) [signature] (SIGNATURE) 550 (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Glenn VanDerpool	[signature]	109152	10/16/00

SAFETY BRIEFING
DATE: 10/18/00
Time: 1020

TA-16 PRS 16-~~019~~ 020 **SSHASP 299** **IT CORPORATION ~~880309~~ 811920**

AREA(s) OF OPERATION: HE Corridor, ~~Sliver~~ Silver Outfall

Tasks to be Performed: **Site restoration**

SPECIAL TOPICS: Vehicle Safety - seatbelts - vehicle inspection daily (keep with truck in binder) No shutting off back up alarm, heavy equipment operation.

ISM: Remind everyone about eating, drinking, smoking, or chewing. Food and drink only at the TA 16 Trailer

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Robert

PPE: **In exclusion zone: hard hat,** safety glasses, steel toe shoes, disposable gloves under leather gloves, coveralls or Tyvek during excavation. Orange vest on ground personnel - ear plugs when needed

Outside exclusion zone: hat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands. Remove coveralls or tyvek and gloves in CRZ**

ENG./ADMIN. CONTROLS: **SITE ACCESS** - Admin. control, dust control wet down Enter and Exit through the CRZ - West side of site

MONITORING: Visible dust for more then 2 minutes then monitoring will be conducted.

EMERGENCY ACTIONS: **One long blast with air horn** muster area is at the vehicle in support zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Robert Monsoh-Tow [signature] SSO

PRINT NAME SIGNATURE TITLE

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Glenn VanDerpool	[signature]	109152	10/18/00

SAFETY BRIEFING
DATE: 10/19/00
Time: 1020

TA-16 PRS 16-020 **SSHASP 299** **IT CORPORATION 811920**

AREA(s) OF OPERATION: HE Corridor, Silver Outfall

Tasks to be Performed: **Site restoration**

SPECIAL TOPICS: Vehicle Safety - seatbelts - vehicle inspection daily (keep with truck in binder) No shutting off back up alarm, heavy equipment operation.

.ISM: **Remind everyone about eating, drinking, smoking, or chewing. Food and drink only at the TA 16 Trailer**

HAZARDS: General Safety: Slips, trips, falls, heat stress, lightning, hand tools, Heavy equipment operations. Lighting and flash floods

Chemical: Silver, Chromium.

Radiological: N/A

Physical: Slips, trips, and falls, sharp objects, lifting, heat stress. Watch for overhead around heavy equipment - operators watch for ground crews.

Biological: snakes, insects, displaced wildlife, rodents Report to Glenn or Robert

PPE: Hat or hardhat, safety glasses, steel toe shoes, gloves, orange vest around trucks.

Decon: **Dry Brush boots - wash face and hands.**

ENG./ADMIN. CONTROLS: **SITE ACCESS** - Admin. control

MONITORING: Will watch for visible dust. If visisble for more then 2 minutes, will then monitor with a **MINI RAM.**

EMERGENCY ACTIONS: **One long blast with horn** muster area is at the vehicle in support zone. All injuries will go to LA medical center or hospital

MEETING CONDUCTED BY: Glenn VanDerpool (PRINT NAME) [signature] (SIGNATURE) FTL/SSO (TITLE)

I acknowledge I attended the safety briefing and understand the health and safety requirements of SSHASP 299, the specific work activities for the day and the associated hazards, safety measures - PPE, Administrative/Engineering Controls and Monitoring Requirements, as well as the special and general topics discussed, and been given the opportunity to discuss previous operations and hazards and incidents:

PRINTED NAME	SIGNATURE	Z NUMBER	DATE
Darren Meadows	[signature]	107971	10-19-00

TAILGATE SAFETY MEETING

Division/Subsidiary IT LOS ALAMOS Facility LOS ALAMOS NATIONAL LAB (LANL)

Date MAY 10, 2001 Time ~0800 Job Number 811920

Customer LANL ER PROGRAM Address: LOS ALAMOS, NM

Specific Location TA16 HC CORRIDOR

Type of Work WASTE LOADING AND TRANSPORT

Chemicals Used DIESEL FUEL, MOTOR OIL, GASOLINE

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment STEEL TOE SHOES, SAFETY GLASSES, SAFETY VESTS

Chemical Hazards LOW LEVELS OF SILICA IN SOIL. FUEL (DIESEL + GASOLINE) IN VEHICLES AND EQUIPMENT. DUST, CANNOT BE VISIBLE FOR 72 MINUTES.

Physical Hazards HEAVY EQUIPMENT, SLIP-TRIP-FALL

Emergency Procedures NOTIFY FTL + SSO

Hospital / Clinic LOS ALAMOS MEDICAL CENTER Phone ( ) 662-4201 Paramedic Phone ( ) 911

Hospital Address 3917 WEST ROAD

Special Equipment

Other STAY WITH ESCORTS, WATCH FOR HEAVY EQUIPMENT

NO SMOKING NO EATING NO DRINKING

ATTENDEES

NAME PRINTED	SIGNATURE
Richard MARTINEZ	
Brian Spencer	
Roberto Spencer	
Kenneth Hale	
Louie Romero	
Kevin Reid	
Rich Uric	

Meeting conducted by:

Glenn VanDerpool (NAME PRINTED) (SIGNATURE)

Supervisor Glenn VanDerpool

Manager Glenn VanDerpool

SSO RICH URIE.

36-8-85

TAILGATE SAFETY MEETING

Division/Subsidiary IT LOS ALAMOS Facility LOS ALAMOS NATIONAL LAB (LANL)

Date MAY 11, 2001 Time _____ Job Number 811920

Customer LANL ER PROGRAM Address: LOS ALAMOS, NM

Specific Location TA-16 SILVER OUTFALL

Type of Work SITE RESTORATION

Chemicals Used N/A EQUIPMENT CONTAIN: GASOLINE, DIESEL FUEL, + MOTOR OIL

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment STEEL TOE SHOES, SAFETY GLASSES, SAFETY VESTS (AROUND EQUIP)

Chemical Hazards LOW LEVELS OF SILVER IN SOILS. FUEL IN VEHICLES AND EQUIPMENT. DUST, CANNOT BE VISIBLE FOR >2 MINUTES

Physical Hazards HEAVY EQUIPMENT, SLIP, TRIP, + FALL

Emergency Procedures NOTIFY FTL / SSO

Hospital / Clinic LOS ALAMOS MEDICAL CENTER Phone ( ) 662-4201 Paramedic Phone ( ) 911

Hospital Address 3917 WEST ROAD

Special Equipment _____

Other STAY ~~[illegible]~~ WITH ESCORT

ATTENDEES

NAME PRINTED	SIGNATURE
Kenneth Hale	Kenneth Hale

Meeting conducted by:

Glenn VanDerpoel [signature]

NAME PRINTED SIGNATURE

Supervisor [signature] Manager Glenn VanDerpoel

36-8-85

IT CORPORATION
A Member of The IT Group

TAILGATE SAFETY MEETING

Division/Subsidiary IT LOS ALAMOS Facility LOS ALAMOS NATIONAL LAB

Date JULY 2, 2001 Time _____ Job Number 811920

Customer DON HICKMOTT Address LOS ALAMOS NM

Specific Location TA16 SILVER OUTFALL

Type of Work SITE SURVEY

Chemicals Used N/A

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment STEEL TOE SHOES

Chemical Hazards N/A

Physical Hazards SLIP TRIP + FALL, INSECT AND/OR SNAKE BITE

Emergency Procedures NOTIFY FTL/SSO

Hospital/Clinic LAMC Phone ( ) 662 4201 Paramedic ( ) 911

Hospital Address 3917 WEST ROAD

Special Equipment N/A

Other N/A

ATTENDEES

NAME PRINTED	SIGNATURE
Bill Kopp	Bill Kopp

Meeting Conducted by:

Glenn VanDempoel
NAME PRINTED

Supervisor Glenn VanDempoel

[signature]
SIGNATURE

Manager SCOTT DEN-BAAN

36A-12-98

TAILGATE SAFETY MEETING

IT CORPORATION

Division/Subsidiary _____ Facility TA-16

Date 6 SEP 01 Time 0930 Job Number ~~823830~~ 811920

Customer LANL Address LOS ALAMOS

Specific Location BEHIND BUILDING 220 (SILVER OUTFALL)

Type of Work ER

Chemicals Used PETROLEUM PRODUCTS

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment MODIFIED LEVEL D, DUMPTRUCK, LOADER, CHAINSAW WITH APPROPIATE PPE. NON SPARKING HAND TOOLS.

Chemical Hazards POSSIBLE HE, HEAVY METALS

Physical Hazards SLIPS, TRIPS, AND FALLS, UNEVEN TERRAIN. SUNBURN, POSSIBLE EVENING THUNDERSTORMS WITH FLASH FLOODING AND LIGHTNING.

Emergency Procedures MUSTER AT IT TRUCK. CALL 911 FOR LIFE THREATNING EMERGENCY. ADMINISTRE FIRSTAID AS NEEDED.

Hospital/Clinic LA MEDICAL Phone ( ) 911 Paramedic ( ) 911

Hospital Address DIAMOND & TRINITY

Special Equipment HEAVY EQUIPMENT, BRASS; NON SPARKING TOOLS.

Other _____

ATTENDEES

NAME PRINTED	SIGNATURE
Carol Vargas	Carol Vargas
Roberta TORREZ	Roberta Torrez
GARY GARCIA	[illegible]

Meeting Conducted by:

Ricky SCHAFFEL — NAME PRINTED

Ricky Schaffel — SIGNATURE

Supervisor _____ Manager _____

38A-12-00

TAILGATE SAFETY MEETING

IT CORPORATION
A Member of The IT Group

Division/Subsidiary IT CORP. Facility LOS ALAMOS NATIONAL LABORATORY

Date SEPT 7, 2001 Time _____ Job Number 811920 01 00 0301

Customer Environmental Restoration Program Address Los Alamos NM

Specific Location TAIL SILVER OUTFALL PRS 16-020

Type of Work EROSION CONTROL, BMP INSTALLATION

Chemicals Used _____

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment Hard hat (when working around heavy equip and/or overhead hazard), safety glasses, gloves (leather), and safety shoes

Chemical Hazards oil, fuel, HE, heavy metals (although are has been remediated, there is a small potential for exposure).

Physical Hazards slips, trips, & falls; heavy equip; uneven terrain; weather; wildlife; pinch points on heavy equip.

Emergency Procedures NOTIFY SSO

Hospital/Clinic LAMC Phone ( ) 662-4201 Paramedic ( ) 911

Hospital Address 3917 WEST ROAD

Special Equipment F/E loader, trucks, orange safety vests (for ground personnel around heavy equip).

Other Emergency procedures

ATTENDEES

NAME PRINTED	SIGNATURE
GARY GARCIA	[signature]
RICK SCHATTEL	Rick Schattel
Roberta Torrez	Roberta Torrez
Harvey Decker	[signature]
Steve Veenis	Steve Veenis

Meeting Conducted by:

Russell Stone (NAME PRINTED) — Russell Stone (SIGNATURE)

Supervisor _____ Manager _____

36A-12-98

TAILGATE SAFETY MEETING

Division/Subsidiary ENO Facility Los Alamos

Date 9-10-01 Time 0920 Job Number 811920

Customer LANL - ER Address: Los Alamos, NM

Specific Location TA-16 silver outfall

Type of Work Fuel loader, Seed & mulch silver outfall area

Chemicals Used non Diesel fuel

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment Level 'D', steel Toed boots, leather gloves safety glasses

Chemical Hazards Diesel fuel

Physical Hazards slips, Trips & Falls

Emergency Procedures First aid / CPR, xPort To hospital

Hospital / Clinic LAMC / ESH-2 Phone ( ) Paramedic Phone ( ) 911

Hospital Address TA-3, or Trinity & Diamond Drive

Special Equipment none

Other none Using BMP SSHASP # 01-002

ATTENDEES

NAME PRINTED	SIGNATURE
Joseph L. Bird	Joseph L. Bird

Meeting conducted by:

Robert A. Monsalvo Jones
NAME PRINTED

[signature]
SIGNATURE

Supervisor

Manager

36-8-85

TAILGATE SAFETY MEETING

Division/Subsidiary END Facility Los Alamos

Date 9-11-01 Time 0900 Job Number 811920

Customer LANLER Address: Los Alamos

Specific Location TA-16, silver outfall

Type of Work spread mulch

Chemicals Used none

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment Level D, gloves, steel Toed boots, safety glasses

Chemical Hazards none

Physical Hazards slips Trips Falls, Heavy Lifting

Emergency Procedures First Aid / CPR, x Port to clinic

Hospital / Clinic IESH-2 / LAMC Phone ( ) Paramedic Phone ( ) 911

Hospital Address TA-3 / Trinity + Diamond Drive

Special Equipment none

Other using BMP SSHASP 01-002

ATTENDEES

NAME PRINTED	SIGNATURE
Joseph A. Bird	Joseph A. Bird
Carol Vargas	Carol Vargas

Meeting conducted by:

Robert A. Mowder-Jones
NAME PRINTED

[signature]
SIGNATURE

Supervisor

Manager

36-8-85

TAILGATE SAFETY MEETING

Division/Subsidiary: ENO Facility: Los Alamos
Date: 9-12-01 Time: 0850 Job Number: 811920
Customer: LANL-ER Address: Los Alamos
Specific Location: TA-16, Silver Outfall
Type of Work: Spread Mulch
Chemicals Used: None

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment: Level D, gloves, steel Toed boots, safety glasses

Chemical Hazards: None

Physical Hazards: Slips, Trips, falls, Heavy Lifting

Emergency Procedures: First Aid / CPR

Hospital / Clinic: ESH-2 / LAMC Phone ( ) Paramedic Phone ( ) 911
Hospital Address: TA-3 / Trinity & Diamond Drive
Special Equipment: None

Other: Using BMP SSHASP 01-002

ATTENDEES

NAME PRINTED	SIGNATURE
Joseph A. BIRD	Joseph A. BIRD
Carol Vargas	Carol Vargas

Meeting conducted by:
Robert A. Monsalve-Jones
NAME PRINTED
Supervisor

[signature]
SIGNATURE
Manager

36-8-85

Appendix 7

Site Entry/Exit Log

Name	Z Number	Duties	Time In	Time Out	Level of PPE
Elmer Alva	119637	Sampling	1345	1555	mod D
Lennie Binah	175173	Sampling	1245	1555	Mod D
Jessie Ish	174120	SSO	1351	155	mod D
David A Sandoval	078047	IH/SSO	12:51	1:58	Mod D
Glenn VanDerpool	109152	FTL	1752	1558	mod. D
13 Sept. 2000.					
Jessie A. Ish	174120	SSO	1011	1200	mod D
Glenn VanDerpool	109152	FTL	1016	1200	D
Joe Vargas	175235	FIELD TECH.	10:17	12:00	D
Elmer Alva	119637	Sampling	1015	1200	mod D
Lennie Binah	175173	Sampling	1015	1200	mod D
David Sandoval	078047	IH/SSO	10:20	1200	
Jessie A. Ish	174120	SSO	1406	1537	mod D
Elmer Alva	119637		1407	1535	mod D
David Sandoval	078047	IH/SSO/S	2:50	1537	D
Lynn Kirkman	113124	PM	15:17	15:37	mod D
Glenn VanDerpool	109152	FTL	1508	16:45	
Joe Gardner	137941	Visitor	1508	1540	Mod D
Sept. 14, 2000					
Jessie Ish	174120	SSO	1034	1207	Mod D
Lennie Binah	175173		1034	1135	Mod D
Mike ENDERS	107116		1046	1205	
Glenn VanDerpool	109152	FTL	1044	1615	D
[illegible]	119637		1100	1135	Mod D
[illegible] Williams	117175	operate	11:05	12:05	D

Z

9/14/00

Name	Z Number	Duties	Time In	Time Out	Level of PPE
Daniel Sandoval	078047	SSO/IH	11:15	1205	D
Darby Williams	117175	operator	1:48	4:00	D
Jessie Ish	174120	SSO	13:48	1615	mod D
Michael Garcia	148336	operator/driver	1442	1615	D
Elmer [illegible]	119657		1445	1615	Mod D
Nick Enders	107116	Escort	245	1610	—
Lennie Binah	175173		1445	400	Mod D
Roger Gonzales	086107	Safety	1532	1605	
Roscoe Barnes	111807	FMD	15:32	1605	~~4:00 PM~~
Bill McCormick	81735	ESA FM/EST	1533	1601	
Daniel Sandoval	78047	SSO 25 HRS	3:35	4:15	D
Roy Epperson	115826	[illegible]	3:55	4:02	
Lenny Gutierrez	117755	ECA	3:55	4:02	
Gene Velasquez	107099	Locator	4:00	4:05	
Karl Valdez	107104	"	4:00	4:05	

Sept. 15, 2000

Karl Valdez	107104	Locate Util	8:00	8:40	D
Gene Velasquez	107099	"	8:40	0851	D

9-15-00

Michael Garcia	148336	Driver	8:45	1150	D
Glenn VanDerpool	109152	FTL	0849	1150	D
Jessie Ish	174120	SSO	0849	1150	D
Daniel A. Sandoval	078047	SSO/IH	8:57	09161:30	D
Lennie Binah	175173	—	8:58	1150	D

Name	Z Number	Duties	Time In	Time Out	Level of PPE
9-15-2000					
NICK ENDERS	107116	ESCORT	1015	1150	–
GREG MEYER	117174	OPER.	8:45	1400	D
MICHAEL GARCIA	148336	DRIVER	1324	1400	D
Don Hickmott	105510	Site Visit	1324	1400	—
Jessie Ish	174120	SSO	1324		D
Glenn VanDerpool	109152	FTL	1351		D
Lennie Binale	175173		1351	1450	D
9-18-00					
GREG MEYER	117174	OPER	8:40	1138	D
Michael Garcia	148336	DRIVER	8:40	1138	D
Jessie Ish	174120	SSO	8:40	1138	D
Glenn VanDerpool	109152	FTL	0840	1138	D
NICK ENDERS	107116	ESCORT	0850	1138	–
Lennie Binale	175173		8:50	1138	D
Daniel [illegible]	078047	RSH-5	[illegible]	01:38	D
Jessie A. Ish	174120	SSO	1245	1630	Mod. D
NICK ENDERS	107116	ESCORT	1255	1630	–
GREG MEYER	117174	OPER	1255	1630	D
Michael Garcia	148336	DRIVER	1255	1630	D
Glenn VanDerpool	109152	FTL	1255	1630	D
Lennie Binale	175173		12:55	1630	
Don Hickmott	105510	Visit	1:30	1:48	None
W. WOODNORTH	163130	VISIT	1334	1348	NONE

4

Name	Z Number	Duties	Time In	Time Out	Level of PPE
Daniel Sandoval	078047	14/Rep/CSH	1:45	3:30	D

9/19/00 AM

GREG MEYER	117174	OPER	9:00	1150	D
Michael Garcia	148336	Driver	9:00	1150	D
Nick Enders	107116	Escort	0900	1150	—
Lennie Binale	175173		0900	1150	D
Glenn VanDerpool	109152	FTL	0919	1150	D
Jessie A Ish	174120	SSO	0900	1150	Mod D
Daniel Sandoval	078047	14/SSO/CSH	11:00	11:35	D

9/19/00 PM

Glenn VanDerpool	109152	FTL	1324	1650	D
Michael Garcia	148336	Driver	1324	1650	D
Nick Enders	107116	Escort	1324	1650	D
Greg Meyer	117174	OPER	1324	16:50	D
Lennie Binale	175173		1324	1:50	D
Daniel Sandoval	078047	CSH-5 Rep	1:27	2:46	D
Robert Monroe-Tom	118754	IT	1420	1650	D

9/20/00 AM

Jessie A Ish	174120	SSO	0840	1125	Mod D
Nick Enders	107116	Escort	0840	1125	—
Michael Garcia	148336	Driver	0840	1125	D
Lennie Binale	175173	Sandhole	0840	1125	D
Greg Meyer	117174	OPER	0840	1125	D
Glenn VanDerpool	109152	FTL	0900	1125	D

N:

Jess
Mich
Greg
Nick
Lennie
Glenn

Karl
Gene
Glenn
Lenn
Jessie

Je
Len
Gl
Ro
Je
Gl
L

Name	Znumber	Position	Time In	Time Out
		9/21/00 AM		
Lonnie Binale	175173	~~[illegible]~~	9:50	1145
Glenn VanDerpool	109152	FTL	0950	1145
Jessie A. Ish	174120	SSO	0950	1145
		9/21/00 PM		
Jessie A. Ish	174120	SSO	1325	1422
Glenn VanDerpool	109152	FTL	1325	1422
NICK ENDERS	107116	1325		1422
Lonnie Binal	175173	~~13.~~	1325	1422

Name	Z Number	Duties	Time In	Time Out	Level of PPE
		9/20/00 PM			
Jessie A. Ish	174120	SSD	1246	1608	Mod. D
Michael Garcia	148336	Dip stick Driver	1246	1608	D
Greg Meyer	117174	OPER	1246	1608	D
Nick Enders	107116	ESCORT	1246	1608	D
Lennie Binale	175173		12:46	1608	D
Glenn VanDerpool	109152	FTL	1246	1608	D
		9/21/00			
See Safety Briefing Notebook					
		9/22/00 AM			
Karl Valley	107104	Locatelli	8:10	815	
Gene Velasquez	107092	"	8:10	815	
Glenn VanDerpool	109152	FTL	0810	815	
Lennie Binale	175173		08:10	815	
Jessie A. Ish	174120	SSO	0810	815	
		9/22/00 PM			
Jessie A. Ish	174120	SSO	1305	1454	
Lennie Binale	175173		1305	1454	
Glenn VanDerpool	109152	FTL	1305	1454	
Don Hicklin	105310		2:14	2:30	
Jessie A. Ish	174120		15:17		
Glenn Vanderpool	109152		1517		
Lennie Binale	175173		1517		

6

9/28/00

Name	Z Number	Duties	Time In	Time Out	Level of PPE	
Glenn VanDerpool	109152	FTL	1204	1904	mod D	R.M
Lennie Bimah	175173		1204	1904	mod D	G.V
Jessie A. Ish	174120	SSO	1204	1904	mod D	[illegible]
Steve Veenis	109945	TSM	12:30	1251		
Lynn Kidman	113124	PM	14:17	—		[illegible]
	9/29/00					G.Va
Jessie A. Ish	174120	SSO	1036	1226		R.Mo
BILL SARVER	096832	ESCORT	1036	1226		
Glenn VanDerpool	109152	FTL	1045	1226		
Lennie Bimah	175173		1045	1226		G.V
						D.M

10-16-00

7

Name	Z Number	Duties	Time In	Time Out	Level of PPE
R. Mongolo-Jr	118755	SSO	1107	1130	D
G. VANDERPOEL	109152	FTL	1107	1130	D
Thomas Dacal	Salazar.			10-18-00	
		10-18-00			
[illegible]	112968	10-18-00	10:07	10:15	
G. VanDerpoel	109152	FTL	1000	1500	D
R. Mongolo-Jr	118759	SSO	[illegible]	1500	D

10/19/00

G. VanDerpoel	109152	FTL / SSO	1000	1630	D
D. Meadows	107971	—	10:00	1630	D

Appendix 8

Daily Safety Inspection Checklist

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 09/13/00
Project Title Silver Outfall

SITE CONTROL

✓ Site map posted on site
✓ Site work zones identified and posted
✓ Use of a buddy system, if appropriate
✓ Site communication
___ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted
✓ PPE properly selected
✓ Is there adequate PPE on site?
✓ Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
___ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
___ Non-potable water labeled not safe for drinking or washing

MONITORING

✓ Air monitoring conducted
___ Results of previous monitoring maintained on site
___ Direct reading instrumentation on site and ready for use

ILLUMINATION

___ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082-TA 16 SSHASP No. 299 Date 09/14/00
Project Title Silver Outfall

SITE CONTROL

✓ Site map posted on site
✓ Site work zones identified and posted
✓ Use of a buddy system, if appropriate
✓ Site communication
✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted
✓ PPE properly selected
✓ Is there adequate PPE on site?
✓ Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
✓ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
✓ Non-potable water labeled not safe for drinking or washing

MONITORING

___ Air monitoring conducted
___ Results of previous monitoring maintained on site
___ Direct reading instrumentation on site and ready for use

ILLUMINATION

___ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA/6 SSHASP No. 299 Date 09/15/00
Project Title Silver Outfall

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ___ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- ___ Air monitoring conducted
- ___ Results of previous monitoring maintained on site
- ___ Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 09/18/00
Project Title Silver Cutfall

SITE CONTROL

✓ Site map posted on site
✓ Site work zones identified and posted
✓ Use of a buddy system, if appropriate
✓ Site communication
✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted
✓ PPE properly selected
✓ Is there adequate PPE on site?
✓ Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
✓ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
NA Non-potable water labeled not safe for drinking or washing

MONITORING

___ Air monitoring conducted
___ Results of previous monitoring maintained on site
___ Direct reading instrumentation on site and ready for use

ILLUMINATION

___ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU1 ~~OR~~ TA 16 SSHASP No. 299 Date 09/19/00
Project Title Silver Out Fall

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ___ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- ___ Air monitoring conducted
- ___ Results of previous monitoring maintained on site
- ___ Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 09/20/00
Project Title Silver Outfall

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ___ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- ___ Air monitoring conducted
- ___ Results of previous monitoring maintained on site
- ___ Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 082 TA 16 SSHASP No. 299 Date 09/21/00
Project Title Silver Outfall

SITE CONTROL

✓ Site map posted on site
✓ Site work zones identified and posted
✓ Use of a buddy system, if appropriate
✓ Site communication
✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted
✓ PPE properly selected
✓ Is there adequate PPE on site?
✓ Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
___ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
✓ Non-potable water labeled not safe for drinking or washing

MONITORING

___ Air monitoring conducted
___ Results of previous monitoring maintained on site
___ Direct reading instrumentation on site and ready for use

ILLUMINATION

✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 09 22 0
Project Title Silver Outfall

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ___ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- ___ Air monitoring conducted
- ___ Results of previous monitoring maintained on site
- ___ Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Jessie A. Ish SSO Jessie A. Ish
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 9/27/00
Project Title Ag OUTFALL

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ✓ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- N/A Air monitoring conducted
- ✓ Results of previous monitoring maintained on site
- N/A Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Glenn VanDerpool FTL [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 9/28/00
Project Title Ag outpack

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ✓ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- N/A Air monitoring conducted
- ✓ Results of previous monitoring maintained on site
- N/A Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Glenn VanDerpool FTL [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 082 TA 16 SSHASP No. 279
Project Title Silver Outfall

Date 9/29/00

SITE CONTROL

✓ Site map posted on site
✓ Site work zones identified and posted
✓ Use of a buddy system, if appropriate
✓ Site communication
✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted
✓ PPE properly selected
✓ Is there adequate PPE on site?
✓ Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
✓ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
✓ Non-potable water labeled not safe for drinking or washing

MONITORING

NA Air monitoring conducted
✓ Results of previous monitoring maintained on site
NA Direct reading instrumentation on site and ready for use

ILLUMINATION

✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Glenn VanDerpool FTL [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 295 Date 10/16/00
Project Title Ag OUTFALL

SITE CONTROL

- Y Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- Y Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ✓ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- Y Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- N/A Air monitoring conducted
- ✓ Results of previous monitoring maintained on site
- N/A Direct reading instrumentation on site and ready for use

ILLUMINATION

- N/A Is additional lighting provided when needed?

EMERGENCY RESPONSE

- Y Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Glen VanDenpool FTL [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 295 Date 10 18 00
Project Title As outreach

SITE CONTROL

- ✓ Site map posted on site
- ✓ Site work zones identified and posted
- ✓ Use of a buddy system, if appropriate
- ✓ Site communication
- ✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

- ✓ Site hazards posted
- ✓ PPE properly selected
- ✓ Is there adequate PPE on site?
- ✓ Employees properly fitted for PPE
- ✓ Do employees know how to don and doff PPE?
- ✓ PPE properly used
- ✓ PPE maintenance and storage
- ✓ Decontamination and personal hygiene procedures followed

SANITATION

- ✓ Toilet facilities available
- ✓ Hand and face washing available
- ✓ Potable water provided and labeled safe for drinking
- ✓ Non-potable water labeled not safe for drinking or washing

MONITORING

- N/A Air monitoring conducted
- ✓ Results of previous monitoring maintained on site
- N/A Direct reading instrumentation on site and ready for use

ILLUMINATION

- ✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

- ✓ Site security and control
- ✓ Evacuation routes and procedures posted
- ✓ Emergency medical treatment and first aid procedures posted

Completed by Glenn VanDerpool FTL [signature]
(Print Name) (Title) (Signature)

DAILY SAFETY INSPECTION CHECKLIST

OU 1082 TA 16 SSHASP No. 299 Date 10/19/00
Project Title Ag OUTFALL

SITE CONTROL

✓ Site map posted on site
N/A Site work zones identified and posted - ZONES REMOVED
✓ Use of a buddy system, if appropriate
✓ Site communication
✓ Is the site secure from unauthorized entry?

ENGINEERING CONTROL, WORK PRACTICES, AND PPE

✓ Site hazards posted - REVIEW IN TAILGATE
✓ PPE properly selected "
✓ Is there adequate PPE on site?
N/A Employees properly fitted for PPE
✓ Do employees know how to don and doff PPE?
✓ PPE properly used
✓ PPE maintenance and storage
✓ Decontamination and personal hygiene procedures followed

SANITATION

✓ Toilet facilities available
✓ Hand and face washing available
✓ Potable water provided and labeled safe for drinking
✓ Non-potable water labeled not safe for drinking or washing

MONITORING

N/A Air monitoring conducted
✓ Results of previous monitoring maintained on site
N/A Direct reading instrumentation on site and ready for use

ILLUMINATION

✓ Is additional lighting provided when needed?

EMERGENCY RESPONSE

✓ Site security and control
✓ Evacuation routes and procedures posted
✓ Emergency medical treatment and first aid procedures posted

Completed by Glenn VanOerpool FTL/SSO [signature]
(Print Name) (Title) (Signature)

Appendix 9

Pre-Excavation XRF Field Screening Data Table

Pre-Excavation XRF Field Screening Data Table					
PRS 16-020, TA-16, Ag Outfall Channel Width Delineation					
Sample Location	Date Collected	Time Collected	Ag ppm	Crlo ppm	Crhi ppm
300'-7.5' North	9/12/00	1428	3,195	0	150,000
300'-5.0' North	9/12/00	1427	757	0	170,000
300'-2.5' North	9/12/00	1426	3,634	0	0
300'-2.5' South	9/12/00	1415	508	0	0
300'-5.0' South	9/12/00	1420	278	0	0
300'-7.5' South	9/12/00	1421	468	0	0
300'-10.0' South	9/12/00	1422	524	0	0
300'-12.5' South	9/12/00	1423	652	0	0
300'-15.0' South	9/12/00	1424	122	0	0
425'-20.0' North	9/12/00	1450	306	310	0
425'-17.5' North	9/12/00	1448	539	0	22,700
425'-15.0' North	9/12/00	1447	1,200	260	0
425'-12.5' North	9/12/00	1445	2,354	230	0
425'-10.0' North	9/12/00	1442	819	150	0
425'-7.5' North	9/12/00	1440	214	150	0
425'-5.0' North	9/12/00	1436	4,272	420	0
425'-2.5' North	9/12/00	1435	5,423	290	0
425'-2.5' South	9/12/00	1451	3,734	0	560
425'-5.0' South	9/12/00	1452	2,672	140	0
425'-7.5' South	9/12/00	1454	266	140	0
526'-15.0' North	9/12/00	1518	512	110	310
526'-12.5' North	9/12/00	1517	753	90	0
526'-10.0' North	9/12/00	1516	530	360	0
526'-7.5' North	9/12/00	1515	797	31	270
526'-5.0' North	9/12/00	1514	1,227	23	0
526'-2.5' North	9/12/00	1513	463	410	530
526'-2.5' South	9/12/00	1505	70	57,000	0
526'-5.0' South	9/12/00	1507	44	40,000	0
526'-7.5' South	9/12/00	1510	23	61,000	420
526'-10.0' South	9/12/00	1511	30	330	0
526'-12.5' South	9/12/00	1512	0	250	0
738'-7.5' North	9/12/00	1527	153	0	0
738'-5.0' North	9/12/00	1526	657	230	0
738'-2.5' North	9/12/00	1526	305	170	580
738'-2.5' South	9/12/00	1530	195	0	0
738'-5.0' South	9/12/00	1532	56	190	0
738'-7.5' South	9/12/00	1534	59	360	0
738'-10.0' South	9/12/00	1535	0	0	0

Motor Vehicle Pre-Operation Inspection

(In accordance with 29CFR1926.601)

TA_____ Vehicle/Equipment Type 4/6 C H&S Rep_____

SSHASP #_____ Name of Task_____ Date 9-14-00

Y	N	
☑	☐	All vehicles have a service brake system, emergency brake system, and parking brake system (may use common components) 1926.601(b)(1)
☑	☐	Vehicles have headlights and taillights if conditions warrant additional light 1926.601(2)(i)
☑	☐	Vehicle has operable brake lights 1926.601(b)(2)(ii)
☑	☐	Vehicle has audible warning device at operator's station 1926.601(b)(3)
☑	☐	If rear view is obstructed: Vehicle has reverse signal audible alarm; or Vehicle backs up only when signaled by an observer that it is safe 1926.601(b)(4)(i)-(ii)
☑	☐	Vehicles with cabs equipped with windshields (not cracked or broken) and powered wipers 1926.601(b)(5)
☑	☐	All haulage vehicles loaded by a crane, power shovel, or loader shall have a cab or canopy adequate to protect operator from shifting or falling materials 1926.601(b)(6)
☑	☐	Tools/equipment secured to prevent movement when transported in same compartment as employees 1926.601(b)(7)
☑	☐	Vehicles used for employee transport have seats firmly secured and adequate for the number of emplyees to be carried 1926.601(b)(8)
☑	☐	Vehicles equipped with seatbelts 1926.601(b)(9)
☑	☐	Operating levers which control hoisting or dumping equipped with latch or device which will prevent accidental starting or tripping 1926.601(b)(11)
☑	☐	Rubber-tired vehicles equipped with fenders (mud flaps may be used if vehicle not designed for fenders) 1926.601(b)(13)(i)-(ii)

Material-Handling Equipment Pre-Operation Inspection

(In accordance with 1926.602)

(Scrapers, loaders, crawler or wheel tractors, bulldozers, off-highway trucks, graders, industrial tractors)

Equipment Type Backhoe

Y	N	
☑	☐	Seat belts provided (not necessary for equipment designed for standupoperation or that has a roll-over protective structure) 1926.602(a)(2)(i)-(iii)
☑	☐	Access roadways and grades safe 1926.602(a)(3)(i)
☑	☐	Brakes capable of stopping and holding equipment fully loaded 1926,602(a)(4)
☑	☐	All bidirectional machines equipped with an audible alarm 1926.600(a)(9)
☑	☐	Scissor points on all front-end loaders are guarded (if poses a threat to operator) 1926.600(a)(10)
☑	☐	Dump trucks equipped with permanent, positive means of support, capable of being locked in position to prevent accidental lowering 1926.601(b)(10)
☐	☐	Trip handles for tailgates of dump trucks arranged so operator is in the clear while dumping 1926.601(b)(12)

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9-14-00
Project Name Silver Outfall Project Number _____
Equipment Inspected 92 KW

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	N/A
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: Left rear taillight inoperable

Completed by: Michael Garcia Driver Michael Garcia
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA ____ SSHASP No. _____ Date 9/15/00 (Fri.)
Project Name Silver outfall Project Number _____
Equipment Inspected Excavator

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	N/A
Emergency stopping system (brakes)	N/A
Tires (check tread for wear and holes)	N/A
Horn	✓
Steering mechanism	✓
Coupling devices	✓
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Rec Meyer Oper
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9-15-00
Project Name _____ Project Number _____
Equipment Inspected 92 Ford

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	N/A
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: Left rear tail light inoperable

Completed by: Michael Garcia (Print name) Driver (Title) Michael Garcia (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9/18/00
Project Name Silver Out-fall Project Number _____
Equipment Inspected Excavator

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	N/A
Emergency stopping system (brakes)	N/A
Tires (check tread for wear and holes)	N/A
Horn	✓
Steering mechanism	✓
Coupling devices	✓
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Rex Meyer (Print name) OPER (Title) [signature] (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

the group

HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA ____ SSHASP No. _____ Date 9/18/00 (MON)
Project Name Silver Old Coal Project Number _____
Equipment Inspected Excavator

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	N/A
Emergency stopping system (brakes)	N/A
Tires (check tread for wear and holes)	N/A
Horn	✓
Steering mechanism	✓
Coupling devices	✓
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Fred Meyer OPER [signature]
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 7-18-00
Project Name TA-16 Silver Oak/ Project Number _____
Equipment Inspected 92 Kw

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	N/A
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: Left rear tail light inoperable

Completed by: Michael Garcia (Print name) Driver (Title) Michael Garcia (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

Motor Vehicle Pre-Operation Inspection

(In accordance with 29CFR1926.601)

TA r Vehicle/Equipment Type Loader H&S Rep _____

SSHASP # 299 Name of Task Silver Outfall Date 9-18-00

Y N

- ☑ ☐ All vehicles have a service brake system, emergency brake system, and parking brake system (may use common components) 1926.601(b)(1)
- ☑ ☐ Vehicles have headlights and taillights if conditions warrant additional light 1926.601(2)(i)
- ☑ ☐ Vehicle has operable brake lights 1926.601(b)(2)(ii)
- ☑ ☐ Vehicle has audible warning device at operator's station 1926.601(b)(3)
- ☑ ☐ If rear view is obstructed:
  Vehicle has reverse signal audible alarm; or
  Vehicle backs up only when signaled by an observer that it is safe 1926.601(b)(4)(i)-(ii)
- ☑ ☐ Vehicles with cabs equipped with windshields (not cracked or broken) and powered wipers 1926.601(b)(5)
- ☑ ☐ All haulage vehicles loaded by a crane, power shovel, or loader shall have a cab or canopy adequate to protect operator from shifting or falling materials 1926.601(b)(6)
- ☑ ☐ Tools/equipment secured to prevent movement when transported in same compartment as employees 1926.601(b)(7)
- ☑ ☐ Vehicles used for employee transport have seats firmly secured and adequate for the number of emplyees to be carried 1926.601(b)(8)
- ☑ ☐ Vehicles equipped with seatbelts 1926.601(b)(9)
- ☑ ☐ Operating levers which control hoisting or dumping equipped with latch or device which will prevent accidental starting or tripping 1926.601(b)(11)
- ☑ ☐ Rubber-tired vehicles equipped with fenders (mud flaps may be used if vehicle not designed for fenders) 1926.601(b)(13)(i)-(ii)

Material-Handling Equipment Pre-Operation Inspection

(In accordance with 1926.602)

(Scrapers, loaders, crawler or wheel tractors, bulldozers, off-highway trucks, graders, industrial tractors)

Equipment Type Loader

Y N

- ☑ ☐ Seat belts provided (not necessary for equipment designed for standupoperation or that has a roll-over protective structure) 1926.602(a)(2)(i)-(iii)
- ☑ ☐ Access roadways and grades safe 1926.602(a)(3)(i)
- ☑ ☐ Brakes capable of stopping and holding equipment fully loaded 1926,602(a)(4)
- ☑ ☐ All bidirectional machines equipped with an audible alarm 1926.600(a)(9)
- ☑ ☐ Scissor points on all front-end loaders are guarded (if poses a threat to operator) 1926.600(a)(10)
- ☑ ☐ Dump trucks equipped with permanent, positive means of support, capable of being locked in position to prevent accidental lowering 1926.601(b)(10)
- ☑ ☐ Trip handles for tailgates of dump trucks arranged so operator is in the clear while dumping 1926.601(b)(12)

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9-19-00
Project Name Silver outfall Project Number _____
Equipment Inspected KL 96 (LOADER)

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Michael Garcia (Print name) Operator (Title) Michael Garcia (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA ___ SSHASP No. _____ Date 9/19/00 (tue)
Project Name Silver Creek Falls Project Number _____
Equipment Inspected Excavator

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	N/A
Emergency stopping system (brakes)	N/A
Tires (check tread for wear and holes)	N/A
Horn	✓
Steering mechanism	✓
Coupling devices	✓
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: REC MEYER OPEC [signature]
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS

DATE: 9-19-00 TIME: 0800 (A.M.) P.M.

TRACTOR/TRUCK NO. KW92 ODOMETER READING: 512986

- [ ] Air Compressor
- [ ] Air Lines
- [ ] Battery
- [ ] Body
- [ ] Brake Accessories
- [ ] Brakes, Parking
- [ ] Brakes, Service
- [ ] Clutch
- [ ] Coupling Devices
- [ ] Defroster/Heater
- [ ] Drive Line
- [ ] Engine
- [ ] Exhaust
- [ ] Fifth Wheel
- [ ] Frame and Assembly
- [ ] Front Axle
- [ ] Fuel Tanks
- [ ] Generator
- [ ] Horn
- [x] Lights
  - Head-Stop
  - Tail-Dash
  - Turn Indicators
- [ ] Mirrors
- [ ] Muffler
- [ ] Oil Pressure
- [ ] Radiator
- [ ] Rear End
- [ ] Reflectors
- [ ] Safety Equipment
  - Fire Extinguisher
  - Reflective Triangles
  - Flags - Flares - Fuses
  - Spare Bulbs & Fuses
  - Spare Seal Beam
- [ ] Suspension System
- [ ] Starter
- [ ] Steering
- [ ] Tachograph
- [ ] Tires
- [ ] Tire Chains
- [ ] Transmission
- [ ] Wheels and Rims
- [ ] Windows
- [ ] Windshield Wipers
- [x] Other: Hood latch

TRAILER (S) NO. (S): _____

- [ ] Brake Connections
- [ ] Brakes
- [ ] Coupling Devices
- [ ] Coupling (King) Pin
- [ ] Doors
- [ ] Hitch
- [ ] Landing Gear
- [ ] Lights - All
- [ ] Roof
- [ ] Tarpaulin
- [ ] Tires
- [ ] Wheels and Rims
- [ ] Other

Remarks: Rear left taillight inoperable
~~Dri~~ passenger side Hood latch broken

[x] CONDITION OF THE ABOVE VEHICLE IS SATISFACTORY

DRIVERS SIGNATURE: Michael Garcia

[ ] ABOVE DEFECTS CORRECTED

[ ] ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF THE VEHICLE.

MECHANIC'S SIGNATURE: _____ DRIVER'S SIGNATURE: _____

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9-20-00
Project Name Silver outfall Project Number _____
Equipment Inspected Loader

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Michael Garcia Oper Michael Garcia
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

DRIVER'S VEHICLE INSPECTION REPORT

AS REQUIRED BY THE D.O.T. FEDERAL MOTOR CARRIER SAFETY REGULATIONS

DATE: 9-20-00 TIME: 0800 (A.M.) ____ P.M.

TRACTOR/TRUCK NO. 1W92 ODOMETER READING: 512997

___ Air Compressor	___ Fuel Tanks	___ Suspension System
___ Air Lines	___ Generator	___ Starter
___ Battery	___ Horn	___ Steering
___ Body	✓ Lights Head-Stop (Tail)-Dash Turn Indicators	___ Tachograph
___ Brake Accessories		___ Tires
___ Brakes, Parking		___ Tire Chains
___ Brakes, Service	___ Mirrors	___ Transmission
___ Clutch	___ Muffler	___ Wheels and Rims
___ Coupling Devices	___ Oil Pressure	___ Windows
___ Defroster/Heater	___ Radiator	___ Windshield Wipers
___ Drive Line	___ Rear End	✓ Other HOOD latch
___ Engine	___ Reflectors	
___ Exhaust	___ Safety Equipment Fire Extinguisher Reflective Triangles Flags - Flares - Fuses Spare Bulbs & Fuses Spare Seal Beam	
___ Fifth Wheel		
___ Frame and Assembly		
___ Front Axle		

TRAILER (S) NO. (S): ____

___ Brake Connections	___ Hitch	___ Tarpaulin
___ Brakes	___ Landing Gear	___ Tires
___ Coupling Devices	___ Lights - All	___ Wheels and Rims
___ Coupling (King) Pin	___ Roof	___ Other
___ Doors		

Remarks: Rear left taillight inoperable
PASSENGER SIDE HOOD latch broken

✓ CONDITION OF THE ABOVE VEHICLE IS SATISFACTORY

DRIVERS SIGNATURE: Mutual Garcia

___ ABOVE DEFECTS CORRECTED ___ ABOVE DEFECTS NEED NOT BE CORRECTED FOR SAFE OPERATION OF THE VEHICLE.

MECHANIC'S SIGNATURE: ____ DRIVER'S SIGNATURE: ____

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit 1082 TA 16 SSHASP No. _____ Date 10/18/00
Project Name Ag OUTFALL Project Number 811920
Equipment Inspected CAT 3078

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	N/A
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Glenn VanDerpool (Print name) FTL (Title) [signature] (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit 1082 TA 16 SSHASP No. _____ Date 10/18/00
Project Name Ag OUTFALL Project Number 811920
Equipment Inspected CAT 416C

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	N/A
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	✓
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Glen VanDerpool FTL [signature]
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. _____ Date 5/10/01
Project Name TA 16 Silver Outfall Project Number 811920
Equipment Inspected Volvo L120C Loader

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	N/A
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: LR Turnsignal lens broken & gusset on JB quick hitch broken on delivery.

Completed by: Kenneth Hale
(Print name) (Title) (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. _____ Date 5/11/01
Project Name TA16 Silver Outfall Project Number 811920
Equipment Inspected Case 580 Backhoe/Loader

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	NA
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	NA
Seat Belt	✓
Operating devices	✓
Safety devices	✓
Lights	✓
Reflectors (if necessary)	✓
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: _____

Completed by: Kenneth Hale (Print name) SUPII (Title) Kenneth Hale (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

Appendix 10

Heavy Equipment Daily Inspection Checklists

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HEAVY EQUIPMENT
DAILY INSPECTION CHECKLIST

Field Unit _____ TA 16 SSHASP No. 299 Date 9-13-00
Project Name Silver Cutfall Project Number _____
Equipment Inspected 92 Ku

Inspect all of the following for condition	Comments
Service Brake (including trailer brake connection)	✓
Parking System (hand brake)	✓
Emergency stopping system (brakes)	✓
Tires (check tread for wear and holes)	✓
Horn	✓
Steering mechanism	✓
Coupling devices	N/A
Seat Belt	✓
Operating devices	N/A
Safety devices	✓
Lights	✓
Reflectors (if necessary)	N/A
Windshield wipers	✓
Defroster (if necessary)	✓
Fire extinguisher (per SSHASP)	✓
Engine oil	✓
Hydraulic Fluid	✓
Fuel level	✓

Deficiencies/Corrective Actions: Left rear tail light inoperable

Completed by: Michael Garcia (Print name) Driver (Title) Michael Garcia (Signature)

✓ Denotes good working order
D denotes a deficiency
N/A denotes item/device not on the equipment
All defects shall be corrected before the vehicle is placed in service

Appendix 11

Excavation/Soil Disturbance Permit

EXCAVATION/SOIL DISTURBANCE PERMIT

Work Order Title or Description CLEANUP OF PHOTO PROCESSING FACILITY OUTFALL **TA:** 16 **Bldg:** 2221

P.I./Work Order No.: **Priority:** 2

Requestor Information **Name:** BILL KOPP **Phone:** 5-6081

FM/Designee Notification/Concurrence Signature **Name:** **Drawing #:** NO DRAWINGS

AUTHORIZATIONS

Firm	Department	Telephone Number	Auth. Number	Number Issued By	Date Issued	Locating Required	Date Locate Performed	Time Locate Performed
1. UCNNM	Utilities UMAP	665-1051	00X-0604-16	TRULA HOWE	8/25/00	Y ◉ N ○	9/6/00	[illegible]
2. UCNNM	Grounds	667-8043	00X-0604-16	Richard G.	8/25/00	Y ○ N ◉	—	—
3. LANL	U.S. West/CIC-4	667-6812	00X-0604-16	Valrie G.	8/28/00	Y ◉ N ○	9/6/00	0730 (1420)
4. LANL	EM-RLW	667-6904	00X-0604-16	Dave Salazar	8/28/00	Y ○ N ◉	—	—
5. LAC	LA COUNTY	662-8130	00X-0604-16	—	—	Y ○ N ◉	—	—

Responsibilities: Roads/Grounds - Lawn Sprinklers, U.S. West - Telephone Systems, EM - RLW Systems, CIC-4 - Data/Com. Systems, Utilities Mapping/Locating - all other primary utility systems. Facility Manager - Secondary Utility Systems will be located to the extent known by UMAP however responsibility for these lie with the Facility Manager.

UTILITIES LOCATED (For UMAP use only)

Water		Primary Electric	Remarks:
Gas		Secondary Electric	
Sewer		Cooling Water	
Steam		Storm Drains	
Condensate	NA	Telephone	
RLW	NA	Communication	

Maximum Depth of Excavation

Marking Approved By: **Z No.:** 107099

NOTES: This permit requires a revalidation (call 665-1051) should any of these situations occur:

- Excavation area boundaries and/or depths are increased.
- Utility field markings have changed or have been removed.
- Project Coordinator has changed.
- 30 working days have elapsed from the date the utility locate markings were made.

The Requestor/Project Coordinator shall examine the excavation permit review comments noted on the ESH-3 Review Record, and take action as necessary.

The excavation permit shall expire when either job is complete and the associated work order is closed out or when the excavation has not yet been started within six months of the ESH-3 review date.

A copy of this permit and related forms/sketches shall be maintained on-site in a readily accessible protective container while the excavation is exposed.

Permit Issued To: Bill Kopp **Z No.:** 112698 **Date:** 6 Sept 00 **Phone:** 5-6081 **Pager:**

Revised 5/8/98

Johnson Controls
Northern New Mexico
Utility Mapping Section

P.O. Box 59, MS A199
Los Alamos, NM 87544

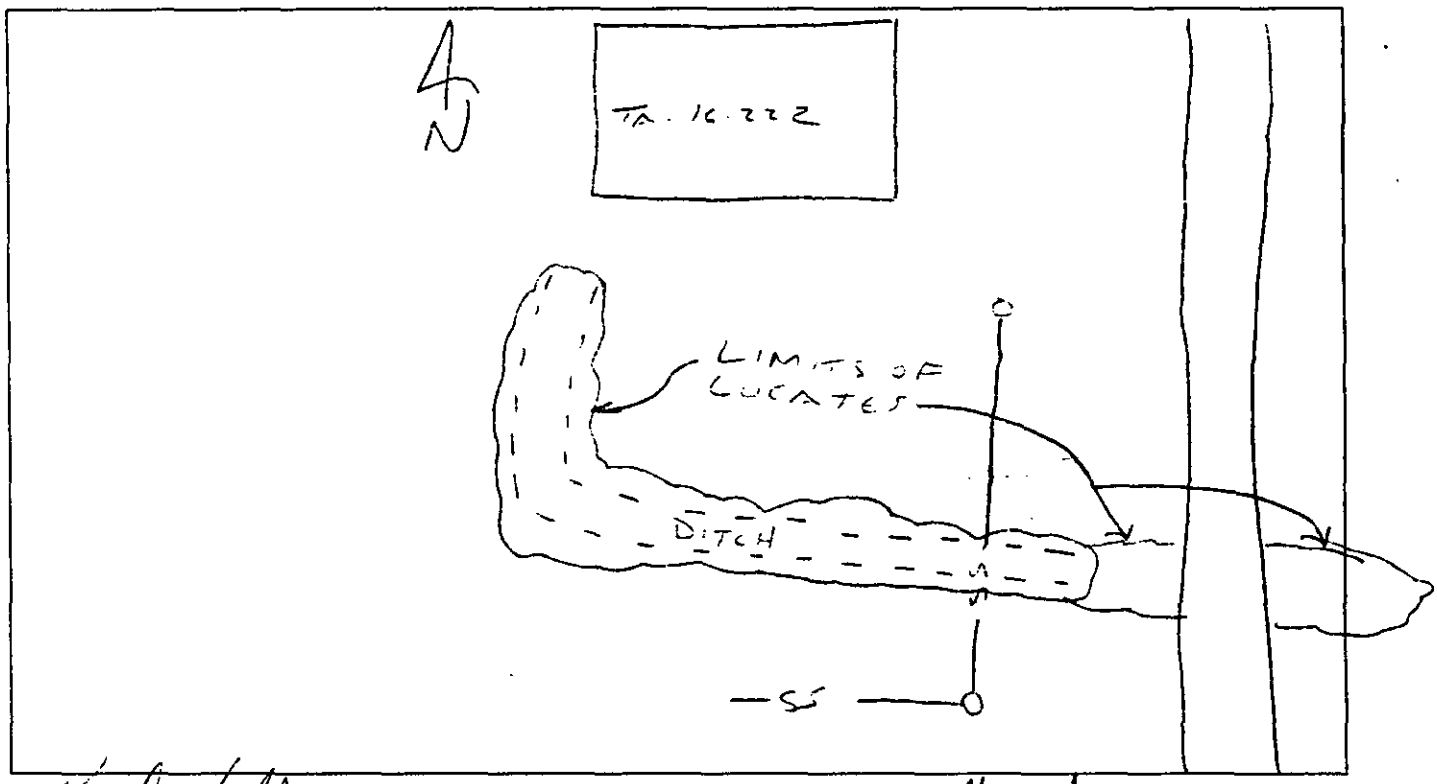
PERMIT REVALIDATION

Permit No: 00X-0609-16 **Date Issued:** 9/14/00 **Date Locate Performed:** 9/14/00

Reason : Excavation area boundary change_____ Excavation depth change X
Project Coordinator change_____ 10 working days have elapsed_____
Utility field markings change_____

Revalidation Instructions/Comments:
Located 1 sanitary sewer line. Unable to locate secondary electric line exposed. No USWEST in that area

BOUNDARY/UTILITY LOCATE SKETCH



Utility Locator

Glenn VanDerpool
Issued To

8/15 — 9:14
Date Time

6615278 109152
Phone # Z#

FM / BLDG MGR

Appendix 12

Excavation Inspection Forms

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TAIL Ag OUTFALL Project No.: 811920

Date: 9/15/00 Time: ~1600 Competent Person: GLENN VANDERROOL

Soil Classification (see Soil Classification Worksheet): TYPE C + TYPE B

Excavation Depth: 6" – ~6' Excavation Width: ~4' – 6'

Type of Protective System Used: SLOPING.

	YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 9/18/00 Time: ~1600 Competent Person: GLENN VANDERPOOL

Soil Classification (see Soil Classification Worksheet): TYPE C + TYPE B

Excavation Depth: 0-3' Excavation Width: ~4'-6' UP TO ~10'+ IN SOME AREAS

Type of Protective System Used: SLOPING WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TAIL Ag OUTFALL Project No.: 811920

Date: 9/19/00 Time: ~1700 Competent Person: Glenn VanDerpool

Soil Classification (see Soil Classification Worksheet): TYPE C (MANAGED TODAY)

Excavation Depth: ~0'-2' Excavation Width: VARIABLE ~4'-20'+

Type of Protective System Used: SLOPING WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TAIL Ag OUTFALL Project No.: 811920

Date: 9/20/00 Time: ~1545 Competent Person: GLENN VANDERAUER

Soil Classification (see Soil Classification Worksheet): TYPE C (MANAGED TODAY)

Excavation Depth: 0'- 2' Excavation Width: VARIABLE ~4'- 12'+ (TODAY'S AREA)

Type of Protective System Used: SLOPING WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 9/22/00 Time: ~0900 Competent Person: GLENN VANDERPOEL

Soil Classification (see Soil Classification Worksheet): TYPE B + TYPE C

Excavation Depth: ~6" → ~6' Excavation Width: VARIABLE ~4' → ~20'+

Type of Protective System Used: SLOPING WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 9/28/00 Time: ~1300 Competent Person: G. VANDERPOLL

Soil Classification (see Soil Classification Worksheet): TYPE B + TYPE C

Excavation Depth: VARIABLE 6" → ~6' Excavation Width: VARIABLE ~4' → ~20'+

Type of Protective System Used: SLOPING WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 9/29/00 Time: ~1045 Competent Person: G. VANDERPOOL

Soil Classification (see Soil Classification Worksheet): TYPE B + TYPE C

Excavation Depth: VARIABLE ~6" → ~6' Excavation Width: VARIABLE ~4' → ~20' +

Type of Protective System Used: SLOPED WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TAIL Ag OUTFALL Project No.: 811920

Date: 10/16/00 Time: 1115 Competent Person: G. VANDERPOEL

Soil Classification (see Soil Classification Worksheet): TYPE B + TYPE C

Excavation Depth: VARIABLE ~6" → ~6' Excavation Width: VARIABLE ~4' → ~20'+

Type of Protective System Used: SLOPING.

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 10/18/00 Time: 1005 Competent Person: G. VanOerpool

Soil Classification (see Soil Classification Worksheet):

Excavation Depth: VARIABLE ~6" → ~6' Excavation Width: VARIABLE ~4' → ~20'+

Type of Protective System Used: SLOPED WHEN NEEDED

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.	X		
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

ATTACHMENT 2
EXCAVATION INSPECTION

THIS INSPECTION IS TO BE COMPLETED BY THE COMPETENT PERSON EACH DAY THAT EMPLOYEES WILL BE ENTERING AN EXCAVATION.

Project Name: LANL TA16 Ag OUTFALL Project No.: 811920

Date: 10/19/00 Time: 1305 Competent Person: G. VanDerpool

Soil Classification (see Soil Classification Worksheet): TYPE B + TYPE C

Excavation Depth: ~6" → 2' Excavation Width: VARIABLE ~4' → ~20'+

Type of Protective System Used: DEEPEIT PORTION (OUTFALL START ~6') FILLED IN TODAY ~60 CU.YDS BASECOURSE

	✓ YES	NO	N/A
1. GENERAL:			
Surface encumbrances removed or supported			X
Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation.	X		
Hard hats, steel-toed boots, and safety glasses worn by all employees.	X		
Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation.	X		
Walkways over excavations 6 feet or more above lower levels are equipped with standard guardrails.			X
Warning vest or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic.	X		
Employees required to stand away from vehicles being loaded or unloaded.	X		
Warning system established and utilized when mobile equipment is operating near excavation edge.	X		
Employees prohibited from going under suspended loads.	X		
2. UTILITIES:			
Utility companies contacted and/or utility locations delineated.	X		
Underground installations protected, supported, or removed while excavation is open.			X
3. MEANS OF ACCESS AND EGRESS:			
Lateral travel to means of egress no greater that 25 feet in trench excavations 4 feet or more in depth.			X
Ladders used in excavations secured and extended 3 feet above the edge of the trench.			X
Structural ramps used by employees designed by a competent person.			X
Structural ramps used for equipment designed by a registered professional engineer.			X
	YES	NO	N/A

Appendix 13

HE Decontamination Slip(s)

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 9/18/00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 222 outfall TA-37 - Bldg. No. _____

Item: Back Hoe S.G. Western

Property No. _____ Production Order No. _____

Certified for: REPAIR (TRANSFER) STORAGE → S.G. Western Yard

Method of decontamination: water

Decontaminating Operator: I T Corp

Certifying Agent: Bill McCormick

Remarks: No HE Contamination

Job Order No. _____

ST5479

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 9-21-00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 222 TA-37 - Bldg. No. _____

Item: Kenworth 10yrd dump SG Western

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER STORAGE → SG Western yard

Method of decontamination: —

Decontaminating Operator: —

Certifying Agent: Bill McCormick

Remarks: No H.E. Contamination

Job Order No. _____

ST5479

TA16 As OUTFACC

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 9-21-00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 222 TA-37 - Bldg. No. _____

Item: Komatsu excavator

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER → STORAGE S6 Western yard

Method of decontamination: —

Decontaminating Operator: —

Certifying Agent: Bill McGinnis

Remarks: No H.E. Contamination

Job Order No. _____

ST547

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 9-21-00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 222 TA-37 - Bldg. No. _____

Item: Komat'su Frontend Loader

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER → SG Western yard STORAGE

Method of decontamination: —

Decontaminating Operator: —

Certifying Agent: Bill McCormick

Remarks: No H.E. Contamination

Job Order No. _____

ST547

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 10-17-00 / 10-23-00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 27 TA-37 - Bldg. No. _____

Item: Trac Hoe Cat

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER → STORAGE Rust Rentals Alb. NM

Method of decontamination: Water And Alconox

Decontaminating Operator: I + Corp

Certifying Agent: Bill McCormick

Remarks: No H.E. Contamination, checked with H.E. Kit I + Corp.

Job Order No. _____

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 5-10-01

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. Bldg 27 TA-37 - Bldg. No. _____

Item: Front end Loader

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER → IT Corp LA. STORAGE

Method of decontamination: —

Decontaminating Operator: IT Corp

Certifying Agent: Bill McCormick

Remarks: No H.E. Contamination / checked with H.E. Kit

Job Order No. _____

ST5479

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 5-11-01

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 222 east Fro 11 TA-37 - Bldg. No. _____

Item: Case 580L

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER → Hertz Rental STORAGE

Method of decontamination: —

Decontaminating Operator: —

Certifying Agent: Bill McCormick

Remarks: NO H.E. Contamination

Job Order No. _____

ST5479

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 9-10-01

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 400 TA-37 - Bldg. No. _____

Item: 1 Front end loader

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER TO Hertz Rental STORAGE

Method of decontamination: Steam Klean He Test Kit

Decontaminating Operator: [signature]

Certifying Agent: [signature]

Remarks: No He Found

Job Order No. _____

Form ESA-FM/ESH-2
REV. 7/97

HE DECONTAMINATION SLIP

Date 10-18-00

LOCATION: TA-11 - Bldg. No. _____ TA-28 - Bldg. No. _____

TA-16 - Bldg. No. 27 TA-37 - Bldg. No. _____

Item: Fire Extinguishers (3 each)

Property No. _____ Production Order No. _____

Certified for: REPAIR TRANSFER STORAGE

Method of decontamination: — → IT Corp

Decontaminating Operator: —

Certifying Agent: Bill McCormick

Remarks: No H.E. Contamination checked with H.E. Kit IT Corp

Job Order No. _____

Appendix 14

Amended Site Characterization Sampling Plan

SITE CHARACTERIZATION SAMPLING AMENDMENT TO THE

DRAFT

LOS ALAMOS NATIONAL LABORATORY

ENVIRONMETAL RESTORATION PROJECT

EXPEDITED CLEANUP PLAN

For

SOLID WASTE MANAGEMENT UNIT

PRS 16-020

PHOTOPROCESSING FACILITY OUTFALL

September 2000

1.0 Introduction

This document is specific to the cleanup of wastes in the environment at the Silver Outfall at TA-16, PRS 16-020. The cleanup work is undertaken for the High Explosives Production sites (HEPS) Team of the remedial Actions focus Area of the Environmental Restoration (ER) Project.

The following is an amendment to the Draft Los Alamos National Laboratory, Environmental Restoration Project, Expedited Cleanup Plan for Solid Waste Management Unit 16-020 Photoprocessing Facility Outfall, dated February 1996. The changes are related to field screening and characterization sampling activities that will be conducted in association with the Flood Control Immediate Action Cleanup, Waste Excavation, Management, Transport and Disposal of TA-16 PRS 16-020. The Flood Control Immediate Action Cleanup will be conducted during September 2000. The following changes will supercede the sampling protocols listed in sections 3.3 (Cleanup Activities) and 3.5.2 (Design) of the Draft Plan.

2.0 Field Screening

Field screening will be performed for Polycyclic Aromatic Hydrocarbons (PAH) using EnviroGard™ PAH field screening kits. In addition, field screening will be performed utilizing X-ray Florescence (XRF) for silver and chromium. This field screening will aid in the identification of biased sample locations for the collection of post-excavation characterization samples. A total of 54 post-excavation field-screening samples will be collected from a depth of 0-6"

3.0 Characterization Sampling

A total of 20 post-excavation characterization samples will be collected and sent to an off-site laboratory where they will be analyzed for metals, VOC's, SVOC's, and HE. The samples will be collected from 10 different locations with 3 of the locations being biased on field screening. The remaining 7 locations will be selected randomly. Two samples will be collected from each location. One sample will be collected from 0-6" depth and the other from a depth of 24" into the tuff.

4.0 Sample locations

The excavated outfall will be sub-divided into three distinct areas for the purpose of sample collection. The first area will comprise the up-gradient portion of the outfall out to a distance of 100' down-gradient. The second will begin at 100' down-gradient and continue down-gradient for approximately 300'. The third area will begin at approximately 400' and continue for approximately 338' to approximately 738'.

4.1.1 Upper Section Field Screening

The upper portion of the outfall (0-100') will then be further sub-divided into 25' sections (0-25', 25'-50', 50'-75', 75'-100'). Five transects will be established perpendicular to the excavated channel. Each transect will have 3 sampling points. Two sampling points will be located at the top of each side of the trench wall and one will be located in the center of the trench between the two wall locations. One sample will then be collected from each of these three points and field screened. The sample will be collected from 0-6" depth. There will be 3 samples collected from each transect for a total of 15 field-screened samples. The 15 samples will be field screened and the data will be analyzed to determine which of the 15 sample sets has the highest levels of silver, chromium, and PAHs.

4.1.2 Upper Section Characterization Sampling

The location with the highest concentration of silver, based upon field screening data, will be identified for sampling. Three additional sample locations will be selected from the 14 remaining locations. At least one of the characterization samples will be selected from within the center of the excavation. From each selected location, two samples will be collected (one from 0-6" depth and one from a depth of 24" in the tuff) and sent for off-site analysis.

4.2.1 Middle Section Field Screening

The middle section of the outfall will be sub-divided into 50' sections beginning at 100' and continuing out to approximately 400' (100'-150', 150'-200', 200'-250', 250'-300', 300'-350', 350'-400'). Five transects will be established perpendicular to the excavated channel. Each transect will have 3 sampling points. Two sampling points will be located at the top of each side of the trench wall and one will be located in the center of the trench between the two wall locations. One sample will then be collected from each of these three points and field screened. The sample will be collected from 0-6" depth. There will be 3 samples collected from each transect for a total of 15 field-screened samples. The 15 samples will be field screened and the data will be analyzed to determine which of the 15 samples has the highest level(s) of silver and/or chromium.

4.2.2 Middle Section Characterization Sampling

The location with the highest concentration of silver, based upon field screening data, will be identified for sampling. Two additional sample locations will be selected from the 14 remaining locations. At least one of the characterization samples will be selected from within the center of the excavation. From each selected location, two samples will be collected (one from 0-6" depth and one from a depth of 24" in the tuff) and sent for off-site analysis.

4.3.1 Lower Section Field Screening

The lower section of the excavated outfall will also be sub-divided into approximately 50' sections. These sections will range from 400' to the end of the excavation approximately 738' down-gradient/excavated outfall. Seven transects will be established perpendicular to the excavated channel. Each transect will have 3 sampling points. Two sampling points will be located at the top of each side of the trench and one will be located in the center of the trench along the transect. One sample will be collected from each of these three points and field screened. The sample will be collected from 0-6" depth. There will be 3 samples collected from each transect for a total of 24 sampling points beginning at the transect located at 400'.and continuing to the last transect at approximately 738'. The 24 samples will be field screened and the data will be analyzed to determine which of the 24 samples has the highest level(s) of silver and/or chromium.

4.3.2 Lower Section Characterization Sampling

The location with the highest concentration of silver, based upon field screening data, will be identified for sampling. Two additional sample locations will be selected from the 23 remaining locations. At least one of the characterization samples will be selected from within the center of the excavation. From each selected location, two samples will be collected (one from 0-6" depth and one from a depth of 24" in the tuff) and sent for off-site analysis.

Appendix 15

Post-Excavation Field Screening Sample Data Table

PRS 16-020, TA-16, Silver Outfall

Post-Excavation XRF Field Screening Sample Data Table

Sample ID	Location ID	Description	Collection Date	Collection Time	Ag (1) ppm	Ag (2) ppm	Ag (3) ppm	Ag (avg) ppm	CrLo (1) ppm	CrLo (2) ppm	CrLo (3) ppm	CrLo (avg) ppm	CrHi (1) ppm	CrHi (2) ppm	CrHi (3) ppm	CrHi (avg) ppm	PAH (ppm)	OD450
RE16-00-1700	16-06539	738' South	9/22/00	1335	48	32	21	34	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1701	16-06540	738' Center	9/22/00	1325	0	20	0	7	132	176	0	103	0	0	0	0	N/A	N/A
RE16-00-1702	16-06541	738' North	9/22/00	1330	306	252	254	271	0	212	218	143	0	0	0	0	N/A	N/A
RE16-00-1703	16-06542	700' South	9/22/00	1338	0	0	130	43	830	850	0	560	0	0	430	143	N/A	N/A
RE16-00-1704	16-06543	700' Center	9/22/00	1340	29	39	50	39	0	0	133	44	0	0	290	97	N/A	N/A
RE16-00-1705	16-06544	700' North	9/22/00	1342	44	98	122	88	0	119	0	40	270	0	0	90	N/A	N/A
RE16-00-1706	16-06545	650' South	9/22/00	1347	556	529	533	539	0	0	0	0	0	0	440	147	N/A	N/A
RE16-00-1707	16-06546	650' Center	9/22/00	1345	126	144	84	118	100	0	0	33	0	0	380	127	N/A	N/A
RE16-00-1708	16-06547	650' North	9/22/00	1348	0	0	0	0	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1709	16-06548	600' South	9/22/00	1408	339	295	304	313	125	0	0	42	0	0	0	0	N/A	N/A
RE16-00-1710	16-06549	600' Center	9/22/00	1406	234	270	241	248	0	0	233	78	0	0	398	133	N/A	N/A
RE16-00-1711	16-06550	600' North	9/22/00	1410	220	190	227	212	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1712	16-06551	550' South	9/22/00	1412	207	211	191	203	142	0	0	47	0	0	0	0	N/A	N/A
RE16-00-1713	16-06552	550' Center	9/22/00	1414	339	317	341	332	140	229	223	197	0	0	0	0	N/A	N/A
RE16-00-1714	16-06553	550' North	9/22/00	1416	263	216	226	235	0	156	144	100	0	0	0	0	N/A	N/A
RE16-00-1715	16-06554	500' South	9/22/00	1425	221	183	196	200	79	279	220	193	0	710	0	237	N/A	N/A
RE16-00-1716	16-06555	500' Center	9/22/00	1427	298	239	39	192	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1717	16-06556	500' North	9/22/00	1428	1413	1468	1543	1475	0	144	0	48	0	0	0	0	N/A	N/A
RE16-00-1718	16-06557	450' South	9/22/00	1521	105	91	145	114	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1719	16-06558	450' Center	9/22/00	1522	104	71	93	89	0	0	133	44	0	0	0	0	N/A	N/A
RE16-00-1720	16-06559	450' North	9/22/00	1524	1231	1218	1210	1220	91	0	0	30	0	0	0	0	N/A	N/A
RE16-00-1721	16-06560	400' South	9/22/00	1528	129	121	110	120	135	0	0	45	460	0	390	283	N/A	N/A
RE16-00-1722	16-06561	400' Center	9/22/00	1529	257	257	276	263	0	0	0	0	0	0	0	0	N/A	N/A
RE16-00-1723	16-06562	400' North	9/22/00	1530	1709	1659	1653	1674	320	260	160	247	0	0	0	0	N/A	N/A
RE16-00-1724	16-06563	350' South	9/22/00	1531	217	212	240	223	0	0	113	38	0	0	0	0	N/A	N/A
RE16-00-1725	16-06564	350' Center	9/22/00	1533	624	646	660	643	0	163	86	83	0	0	0	0	N/A	N/A
RE16-00-1726	16-06565	350' North	9/22/00	1534	128	158	164	150	86	0	0	29	0	0	0	0	N/A	N/A
RE16-00-1727	16-06566	300' South	9/22/00	1537	268	294	289	284	0	0	207	69	0	280	0	93	N/A	N/A
RE16-00-1728	16-06567	300' Center	9/22/00	1536	493	448	509	483	0	96	0	32	450	0	0	150	N/A	N/A
RE16-00-1729	16-06568	300' North	9/22/00	1538	5001	5075	5040	5039	190	0	0	63	0	0	0	0	N/A	N/A
RE16-00-1730	16-06569	250' South	9/22/00	1541	941	940	889	923	85	0	193	93	0	0	0	0	N/A	N/A
RE16-00-1731	16-06570	250' Center	9/22/00	1540	444	456	418	439	0	0	72	24	0	0	350	117	N/A	N/A
RE16-00-1732	16-06571	250' North	9/22/00	1543	1368	1424	1487	1426	141	0	0	47	0	0	0	0	N/A	N/A
RE16-00-1733	16-06572	200' South	9/22/00	1544	1987	1895	2038	1973	290	210	128	209	0	0	0	0	N/A	N/A
RE16-00-1734	16-06573	200' Center	9/22/00	1545	179	223	186	196	290	200	130	207	0	600	0	200	N/A	N/A
RE16-00-1735	16-06574	200' North	9/22/00	1546	2451	3118	3086	2885	0	230	0	77	0	0	610	203	N/A	N/A
RE16-00-1736	16-06575	150' South	9/22/00	1548	72	113	119	101	0	0	0	0	0	0	310	103	N/A	N/A

PRS 16-020, TA-16, Silver Outfall

Post-Excavation XRF Field Screening Sample Data Table

Sample ID	Location ID	Description	Collection Date	Collection Time	Ag (1) ppm	Ag (2) ppm	Ag (3) ppm	Ag (avg) ppm	CrLo (1) ppm	CrLo (2) ppm	CrLo (3) ppm	CrLo (avg) ppm	CrHi (1) ppm	CrHi (2) ppm	CrHi (3) ppm	CrHi (avg) ppm	PAH (ppm)	OD450
RE16-00-1737	16-06576	150' Center	9/22/00	1549	852	859	860	857	0	0	91	30	0	0	0	0	N/A	N/A
RE16-00-1738	***16-06577***	***150' North***	***9/22/00***	***1550***	***537***	***548***	***577***	***554***	***0***	***0***	***90***	***30***	***0***	***0***	***0***	***0***	***N/A***	***N/A***
RE16-00-1739	16-06578	100' East	9/22/00	1553	1098	1189	1251	1179	0	0	192	64	0	0	0	0	<1.0	0.07
RE16-00-1740	***16-06579***	***100' Center***	***9/22/00***	***1554***	***3727***	***3815***	***3817***	***3786***	***404***	***368***	***349***	***374***	***630***	***760***	***350***	***580***	***>1.0***	***0.04***
RE16-00-1741	16-06580	100' West	9/22/00	1555	2901	2709	2879	2830	0	232	94	109	0	550	0	183	>1.0	0.03
RE16-00-1742	***16-06581***	***75' East***	***9/22/00***	***1556***	***1248***	***1345***	***1282***	***1292***	***0***	***0***	***160***	***53***	***0***	***280***	***0***	***93***	***>1.0***	***0.04***
RE16-00-1743	16-06582	75' Center	9/22/00	1557	3043	3140	3045	3076	86	210	316	204	0	0	0	0	<1.0	0.06
RE16-00-1744	***16-06583***	***75' West***	***9/22/00***	***1558***	***3858***	***3986***	***4026***	***3957***	***264***	***0***	***182***	***149***	***0***	***630***	***0***	***210***	***>1.0***	***0.03***
RE16-00-1745	16-06584	50' East	9/22/00	1601	1841	2051	2036	1976	0	17030	105	5712	0	0	0	0	>1.0	0.03
RE16-00-1746	***16-06585***	***50' Center***	***9/22/00***	***1600***	***1776***	***1859***	***1793***	***1809***	***169***	***0***	***93***	***87***	***0***	***510***	***0***	***170***	***>1.0***	***0.03***
RE16-00-1747	16-06586	50' West	9/22/00	1602	3688	3839	3964	3830	280	0	200	160	0	450	0	150	>1.0	0.03
RE16-00-1748	***16-06587***	***25' East***	***9/22/00***	***1605***	***77***	***55***	***26***	***53***	***0***	***140***	***191***	***110***	***0***	***0***	***0***	***0***	***ND***	***0.15***
RE16-00-1749	16-06588	25' Center	9/22/00	1605	870	990	1146	1002	194	0	0	65	0	0	0	0	>1.0	0.03
RE16-00-1750	***16-06589***	***25' West***	***9/22/00***	***1604***	***2073***	***2196***	***2155***	***2141***	***0***	***232***	***174***	***135***	***0***	***0***	***0***	***0***	***>1.0***	***0.04***
RE16-00-1751	16-06590	0' East	9/22/00	1611	54	72	43	56	104	0	0	35	0	0	0	0	>1.0	0.04
RE16-00-1752	***16-06591***	***0' Center***	***9/22/00***	***1610***	***89***	***78***	***76***	***74***	***103***	***210***	***117***	***143***	***0***	***0***	***0***	***0***	***<1.0***	***0.12***
RE[illegible]0-1753	16-06592	0' West	9/22/00	1611	42	267	249	186	142	0	133	92	0	0	0	0	ND	0.16

Bold & Italic identify readings >1,000 ppm total Ag

Appendix 16

OU 1082 Site-Specific Quality Assurance Project Plan

OU 1082 Site-Specific Quality Assurance Project Plan

1.0 Introduction

This site-specific Quality Assurance Project Plan (QAPP) has been written following guidance presented in the Laboratory's Environmental Restoration (ER) Project Quality Assurance Project Plan (QAPP). The QAPP is included in the latest version of the Installation Work Plan (IWP) currently under review by the Environmental Protection Agency (EPA).

The primary objective of collecting quality assurance/quality control (QA/QC) samples is to assess the quality of sampling and measurement techniques. The QA/QC samples may also be used to aid future decisions about specific samples and potential release sites. The following objectives will be met using QA/QC samples:

- to provide information on negative bias
- to estimate sample collection and total measurement error
- to evaluate if the data is complete, representative, and comparable

QA/QC samples typically submitted as part of environmental assessment programs that protect against false positive results will not be submitted as part of this plan. All positive results will either be accepted as accurate or, if the results are in question, will be confirmed by re-sampling the location in doubt. Re-sampling will be less expensive and more accurate than collecting numerous routine QA samples used to disqualify false positive results.

Section 2.0 discusses field QA/QC samples, Section 3.0 describes laboratory QA/QC samples, and Section 4.0 discusses other significant issues. A summary of QA/QC samples is included in Table 1.

2.0 Field Quality Control Samples

Three types of field QA/QC samples will be collected at OU 1082: performance evaluation (PE) samples, collocated field duplicate samples, and rinsate blanks. PE samples are used to check the methods of the subcontract laboratories for data validation. Collocated samples measure spatial variation of contaminants and rinsate blanks evaluate decontamination procedures.

Trip blanks and field blanks will not be collected. Typically, these samples identify false positives resulting from ambient conditions or cross contamination effects. At OU 1082, positive results that are suspect will be verified by re-sampling. Re-sampling is expected to be significantly more economical (and more accurate) than collecting multiple field and trip blanks due to the low probability of discovering multiple areas with contamination above screening action levels.

2.1 Performance Evaluation Samples

Material for the high explosives (HE) PE samples will be obtained from LANL or purchased from off-site sources. The PE soil will be supplied in bulk and placed in sample containers along with the environmental samples. The QA objectives of these samples are:

- to evaluate the accuracy of laboratory procedures
- to check laboratory recovery of constituents to evaluate matrix effects

The PE samples will be submitted by the field team at a rate of 1 per 40 (2.5 %) and will provide sufficient statistical information to meet the QA objectives. The field team may stop submitting PE samples if the ER Program implements a program-wide laboratory evaluation system.

2.2 Collocated Field Duplicate Samples

Field duplicates will be collocated with other field assessment/characterization samples. In order to attain the maximum QA data, the field duplicate samples will be collocated with samples showing positive field screen data on indicator parameters. Field duplicates will be collected at a rate of 1 per 20 (5%), as recommended in the ER Quality Assurance Project Plan (QAPP).

2.3 Rinsate Blank Samples

Two Rinsate samples will be collected during the initial sampling phase of the field campaign. One rinsate sample will be collected from manual sampling equipment and one sample will be collected from drilling equipment. These samples will be selected from the locations deemed most contaminated. The low frequency for collecting rinsate blanks is justified because rinsate blank results are only used to provide information on cross-contamination and potential false positives. This information will be attained through resampling as explained above. In addition, decontamination procedures are controlled by a Standard Operating Procedure (SOP) and previous field efforts conducted by ICF KE at LANL have verified that these decontamination procedures are adequate.

2.4 Matrix Spike Samples

Although matrix spike samples are actually laboratory QA/QC samples, the field team will be responsible for identifying to the laboratory the samples for which a matrix spike samples will be taken. Matrix spike samples provide information on the effect of sample matrix on the laboratory analytical methodology (percent recovery) and provides a measure of the precision and accuracy of the analysis. Matrix spike samples are generally required by the method for chemical analyses. Typically, the subcontract laboratory will not require additional material in order to perform the matrix spike/matrix spike duplicate (MS/MSD) except for organic analyses in waters where triple volumes will be submitted. Water samples are not anticipated at TA-16 during the 1995 sampling season. Additional method-specific QC may be performed by the subcontract laboratory.

3.0 Types of Laboratory QA/QC Samples

Laboratory QA/QC samples are prepared by the laboratory to verify the quality of internal procedures. The type and frequency of these samples will be performed as specified by the contracts established with each laboratory.

4.0 Deviations from Prescribed Sample Plan and Analytical Methods

During the implementation of the RFI Work Plan in the field, unplanned instances can occur that will require deviations from prescribed Work Plan initiatives. Deviations from the sample plan occur when the nature of the sample location renders the prescribed sample requirements impossible to meet. For analytical methods, a change in method is needed when the analytical method's limit of detection for a potential contaminant of concern (PCOC) is greater than the screening action level (SAL). In any case where sample requirements prescribed by the RFI cannot be satisfied, the field project leader (FPL) will be consulted for guidance. The FPL will decide the proper course to proceed with sampling activities. Any deviation from established practices will be documented in the field notebook.

5.0 Non-routine Chemical Analyses

Chemical analyses for HE will be performed in the mobile chemical van (chem van) for samples that test positive for HE on the HE spot test (>100 ppm). The analytical method performed in the chem van uses a high performance liquid chromatography (HPCL) method, similar to the SW-846 Method 8330. The detection limits for the chem van analytical method are comparable to Method 8330, but this method includes less rigorous data confirmation than the specialized method. Data from this chem van analytical method is needed for shipping purposes but may be used for ER decisions if the method is approved by EPA. Current negotiations with EPA will determine the specific QA/QC requirements for the chem van analytical method.

6.0 Conclusions

This site-specific QAPP describes the QA/QC samples needed to assess the quality of data that will be used to support RFI decisions at OU 1082. This plan also addresses unplanned deviations from prescribed RFI requirements and the protocol for the non-routine analyses planned at OU 1082. The field QA/QC samples defined in this plan deviate slightly from those recommended in the ER QAPP. The field QA/QC samples were selected to meet QAPP guidelines and specific OU 1082 QA objectives in the most efficient and economical manner.

Table 1: Field QA/QC Summary

Field QA/QC Samples		
Sample Type	**Frequency**	**QA Objective**
Performance Evaluation	Approx. 1 per 40	to evaluate accuracy of laboratory procedures and negative bias
Field Duplicate (collocated)	Approx. 1 per 20	to evaluate contaminant spatial variability
Rinsate Blank	Approx. 2 total	to further evaluate decontamination procedures

OU 1082 Site-Specific Quality Assurance Project Plan

Addendum 1

All operable units (including OU 1082) have since been reorganized into focus areas and teams within focus areas. References to OU 1082 in this document are directly applicable to work areas in S-Site under the revised ER Project organization of the High Explosives Production Sites (HEPS). This document also references the ER QAPP which no longer exists. However, the document objectives are valid and will be followed with the following changes.

Performance Evaluation Samples
The ER Project is responsible for evaluating the performance of the contract laboratories. The HEPS team will not submit PE samples to contract laboratories. However, PE samples will be run at the rate specified for all analytical procedures conducted at the field analytical laboratory.

Collocated Field Duplicate Samples
The field duplicate samples will be collected as split samples as specified in LANL-ER-SOP-1.05, R0.

Rinsate Blank Samples
Rinsate blank samples will not be submitted as decontamination procedures have proven to be very effective. Decontamination effectiveness at S-Site is verified through the use of the HE spot test. All sampling equipment, materials, and samples are required to pass the HE spot test.

Appendix 17

Site Characterization/Verification Sampling, Requested Off-Site Analysis Summary Table

SITE CHARACTERIZATION/VERIFICATION SAMPLING REQUESTED OFF-SITE ANALYSIS SUMMARY TABLE									
PRS 16-020, TA-16, Ag Outfall Project									
Analytical Sample ID	Location ID	Sample Location	METTAL	SVOCs	VOCENCORE	HEXP	Site Characterization	QA Duplicate	Date Collected
RE16-00-0300	16-06562	400' North, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0301	16-06562	400' North, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0302	16-06555	500' Center, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0303	16-06555	500' Center, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0304	16-06542	700' South, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0305	16-06542	700' South, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0306	16-06583	75' West, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0307	16-06583	75' West, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0308	16-06587	25' East, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0309	16-06587	25' East, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0310	16-06588	25' Center, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0311	16-06588	25' Center, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0312	16-06591	0' Center, Surface to 6"	X	X	X	X	X		9/28/00
RE16-00-0313	16-06591	0' Center, ~24" deep	X	X	X	X	X		9/28/00
RE16-00-0314	16-06573	200' Center, Surface to 6"	X	X	X	X	X		9/29/00
RE16-00-0315	16-06573	200' Center, ~24" deep	X	X	X	X	X		9/29/00
RE16-00-0316	16-06568	300' North, Surface to 6"	X	X	X	X	X		9/29/00
RE16-00-0317	16-06568	300' North, ~24" deep	X	X	X	X	X		9/29/00
RE16-00-0318	16-06568	300' North, Surface to 6"	X	X	X	X	X	X	9/29/00
RE16-00-0319	16-06568	300' North, ~24" deep	X	X	X	X	X	X	9/29/00
RE16-00-0320	16-06564	350' Center, Surface to 6"	X	X	X	X	X		9/29/00
RE16-00-0321	16-06564	350' Center, ~24" deep	X	X	X	X	X		9/29/00

Appendix 18

Soil Pile Waste Characterization, Requested Off-Site Analysis Summary Table

SOIL PILE WASTE CHARACTERIZATION REQUESTED OFF-SITE ANALYSIS SUMMARY TABLE PRS 16-020, TA-16, Ag Outfall Project								
Analytical Sample ID	Sample Location	Sample Type	METTCLP	SVOCs	VOCs	PCB	Waste Characterization	Date Collected
RE16-00-4065	Soil Piles 1, 2, & 3	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4066	Soil Piles 4, 5, & 6	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4067	Soil Piles 7, 8, & 9	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4068	Soil Piles 10, 11, & 12	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4069	Soil Piles 13, 14, & 15	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4070	Soil Piles 16, 17, & 18	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4071	Soil Piles 19, 20, & 21	Composite, spatial	X	X	X	X	X	9/26/00
RE16-00-4072	Soil Piles 22, 23, & 24	Composite, spatial	X	X	X	X	X	9/26/00

Appendix 19

LANL Waste Profile Form # 33641

LOS ALAMOS NATIONAL LABORATORY
WASTE PROFILE SYSTEM
WPF #: 33641

Generator :	HICKMOTT, DONALD D	MS :	M992	PH :	51116	Z#:	105510
WMC :	TYMKOWYCH, JOHN	MS :	K490	PH :	76075	Z#:	135316
Contact :							
RCRA Rev :	ELICIO, ANDY	MS :	J595	PH :	76956	Z#:	118692
Status :	ACTIVE	Activation Date :	12-Apr-2001	Expiration Date:	12-Apr-2002		
Group :	EMER	TA :	16	Bldg :	000222	Room:	OUTSIDE

You are required to keep a copy of the WPF(s) in your files for at least three years. This WPF(s) is valid for one year or as long as the composition of the waste you have characterized remains the same and the generator remains the same. Should your waste or generator change, please submit a new WPF to FWO-SWO Customer Service, and attach a copy of the WPF which is being replaced.

Waste Accumu : **None of the Above** **Site ID#**
ER Waste PRS# **16-020**

Method of Char : **Analysis/Documents Attached**
Chemical/Physical Analysis **Number: see attch.**
PCB Analysis

Waste Type : **Process Waste/Spent Chemical/Other**

Waste Classes: RCA Waste - **Not RCA Waste**
RAD Waste - **Non-rad**
Classif/Sensi - **N**

Waste Category: **Inorganic**
Organic

Waste Sources : **Remediation/Restoration**

Waste Matrix : **Solid**

Matrix Type : **Heterogeneous**

Waste/Proc Desc : NON-HAZARDOUS SOIL WITH SMALL QUANTITIES OF ROCK AND ORGANIC DEBRIS GENERATED FROM THE EXCAVATION OF THE OUTFALL OF BLDG. 222, PHOTO PROCESSING FACILITY AT TA-16 AFTER THE CERRO GRANDE FIRE.

Ignitability : **Not ignitable**

Corrosivity : **Non-aqueous**

Reactivity : **Non-reactive**

Boiling Point : **Not applicable**

Toxicity Characteristic Metals :

Contaminant	Method	Limit	Min	Max	Unit
BARIUM	**TCLP**	**Y**			**PPM**
CADMIUM	**TCLP**	**Y**			**PPM**
CHROMIUM	**TCLP**	**Y**			**PPM**
MERCURY	**TCLP**	**Y**			**PPM**
SELENIUM	**TCLP**	**Y**			**PPM**
SILVER	**TCLP**	**Y**			**PPM**

Toxicity Characteristic Organic Compounds: N/A

Additional Chemical Constituents and Contaminants :

CAS NO	Constituent	MIN	MAX	UOM
	SOIL	90	95	%
	DEBRIS (ROCK & ORGANIC MATTER)	5	15	%
	11H-BENZO [B] FLUORENE	0	.00000069	%
	1,2:7,8-DIBENZOPHENANTHRENE	0	.00000104	%
	1,4-METHANOAZULENE, DEHYDRO	0	.00000112	%
	DOCOSANE, 11-DECYL-	0	.00000109	%
	9,10-ANTHRACENEDIONE	0	.00000118	%
	2-PHENYLNAPHTHALENE	0	.00000072	%
	ANTHRACENE, 1-METHYL	0	.00000052	%
	ANTHRACENE, 2-METHYL	0	.0000012	%
	ANTHRACENE, 9-METHYL	0	.00000131	%
	BENZ [E]ACEPHENANTHRYLENE	0	.00000098	%
	BENZO [B] CRYSENE	0	.0000016	%
	CYCLOPENTA (DEF) PHENANTHRENONE	0	.00000067	%
	DIBENZOTHIOPHENE	0	.00000063	%
	DOCOSANE	0	.00000307	%
	BENZO [E] PYRENE	0	.00000276	%
	FLUORANTHENE, 2-METHYL	0	.00000102	%
	NAPHTHALENE, 2-METHYL	0	.00000047	%
	NAPHTHALENE, 2-PHENYL	0	.00000070	%
	ETHANE 1,1,2,2-TETRACHLORO	0	.00000075	%
	EICOSANE	0	.00000146	%
	1-H CYCLOPROPA (1) PHENANTRENE	0	.00000091	%
	1-R-, ALPHA.-PINENE	0	.00000050	%
	7-H-BENZ[DE]ANTHRACEN-7-ONE	0	.00000070	%
	HEPTADECANE	0	.00000066	%
	OCTADECANE	0	.00000176	%
	PERYLENE	0	.00000389	%
	PERYLENE #2	0	.00000182	%
	PERYLENE #3	0	.00000462	%
	PERYLENE #4	0	.00000178	%
	PHENANTHRENE, 1-METHYL	0	.00000098	%
	PHENANTHRENE 2,5-DIMETHYL-	0	.00000064	%
	PENTATRIACONTANE	0	.00000073	%
	TETRACOSANE	0	.00000137	%
	TETRATETRACONTANE	0	.00000068	%
	1-EICOSANOL	0	.00000031	%
	OCTACOSANE	0	.00000238	%
	4H-CYCLOPENTA [DEF]PHENANTHRENE	0	.00000051	%
	CYCLOHEXADECANE	0	.00000047	%
	HEXADECANE	0	.00000041	%
	PHENANTHRENE, 4-METHYL	0	.00000030	%
	N-HEXADECANOIC ACID	0	.00000044	%
	2-METHYLNAPHTHALENE	0	.00000052	%
	ACENAPHTHENE	0	.0000014	%
	ANTHRACENE	0	.0000022	%
	BENZO(A) ANTHRACENE	0	.000004	%
	BENZO(A) PYRENE	0	.0000041	%
	BENZO(B)FLUORANTHENE	0	.0000042	%

BENZO(G,H,I)PERYLENE	0	.0000022 %
BENZO(K)FLUORANTHENE	0	.0000034 %
CHRYSENE	0	.0000047 %
DIBENZOFURAN	0	.00000077%
FLUORANTHENE	0	.000011 %
FLUORENE	0	.0000014 %
INDENO(1,2,3-CD)PYRENE	0	.0000021 %
NAPHTHALENE	0	.0000018 %
PHENANTHRENE	0	.0000084 %
PYRENE	0	.0000097 %
NORFLURANE	0	.00000016%
PLASTIC	1	3 %

WASTE CHARACTERIZATION INFORMATION

Radioactivity Category : **NON-RAD**

RCRA Category : **NON HAZARDOUS**

Secondary Info : N/A

Waste Classification : **SOLID WASTE**

Waste Acceptances :

EPA Hazardous Waste Code : N/A

Appendix 20

Waste Manifests

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1 NP	540	F

LOAD #1
MCT TRUCK # RZ900

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197272 CON ID# C01137200

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M. Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Brian Spencer	X [illegible]	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515	WDR #:
S H I P T O	S H I P F R O M
FWO-SWO PHONE 505-665-6158	Requestor: JOHN TYMKOWYCH
CHEMICAL AND MIXED WASTE MANAGEMENT	Z #: 135316
LOS ALAMOS NATIONAL LABORATORY	Phone: 76075
LOCATION	
TA-54 ___ AREA L ___ AREA J _X__	TA: 16
TA-50 ___ BLDG 1 ___ BLDG 37 ___	Building: OUTSIDE
TRANSPORTER MCT Transportation Inc.	Room: N/A
EPAID# NMD069417129	

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1 NP	540	F

LOAD #2

MCT TRUCK # R3600

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197273 CON ID# C01137201

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M. Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Roberta Spencer	X Roberta Spencer	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #3
MCT TRUCK # 5800

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197274 CON ID# C01137202

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M. Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Richard Martinez	X	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515
S H I P T O
FWO-SWO PHONE 505-665-6158
CHEMICAL AND MIXED WASTE MANAGEMENT
LOS ALAMOS NATIONAL LABORATORY
LOCATION
TA-54 ___ AREA L ___ AREA J _X__
TA-50 ___ BLDG 1 ___ BLDG 37 ___
TRANSPORTER MCT Transportation Inc.
EPAID# NMD069417129

WDR #:
S H I P F R O M
Requestor: JOHN TYMKOWYCH
Z #: 135316
Phone: 76075

TA: 16
Building: OUTSIDE
Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #4

MCT TRUCK # R2900

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197275 CON ID# C01137203

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME: JOHN M. TYMKOWYCH
SIGNATURE: X [signature]
DATE: 5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME: [signature]
SIGNATURE: X [signature]
DATE:

RECEIPT OF MATERIAL AREA J
SIGNATURE: X [signature]
DATE: 5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #5
MCT TRUCK # R3600

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197276 CON ID# C01137204

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M. Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Roberta Spencer	X Roberta Spencer	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #6

MCT TRUCK # 5800

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197276 CON ID# C01137205

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M. Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Richard MARTINEZ	X [illegible]	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X_ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1 NP	540	F

LOAD #7

MCT TRUCK # RL2900

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197278 CON ID# C01137206

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X [signature]	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Brian Spencer	X [signature]	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [signature]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

PA EPA ID #: NM0890010515

S H I P T O

FWO-SWO PHONE 505-665-6158
CHEMICAL AND MIXED WASTE MANAGEMENT
LOS ALAMOS NATIONAL LABORATORY
LOCATION
TA-54 ___ AREA L ___ AREA J _X__
TA-50 ___ BLDG 1 ___ BLDG 37 ___
TRANSPORTER MCT Transportation Inc.
EPAID# NMD069417129

WDR #:

S H I P F R O M

Requestor: JOHN TYMKOWYCH
Z #: 135316
Phone: 76075

TA: 16
Building: OUTSIDE
Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #8

MCT TRUCK # R3600

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197279 CON ID# C01137207

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Roberta Spencer	X Roberta Spencer	5-10-01
	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515
S H I P T O
FWO-SWO PHONE 505-665-6158
CHEMICAL AND MIXED WASTE MANAGEMENT
LOS ALAMOS NATIONAL LABORATORY
LOCATION
TA-54 ___ AREA L ___ AREA J _X__
TA-50 ___ BLDG 1 ___ BLDG 37 ___
TRANSPORTER MCT Transportation Inc.
EPAID# NMD069417129

WDR #:
S H I P F R O M
Requestor: JOHN TYMKOWYCH
Z #: 135316
Phone: 76075

TA: 16
Building: OUTSIDE
Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #9

MCT TRUCK # 5800

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197280 CON ID# C011372 08

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME: JOHN M. TYMKOWYCH — SIGNATURE: X [signature] — DATE: 5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME: Richard Martinez — SIGNATURE: X [signature] — DATE: 5-10-01

RECEIPT OF MATERIAL AREA J — SIGNATURE: X [signature] — DATE: 5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1 NP	540	F

LOAD #10

MCT TRUCK # R2900

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197281 CON ID# C01137209

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Brian Spencer	X [signature]	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [signature]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515	WDR #:
S H I P T O	S H I P F R O M
FWO-SWO PHONE 505-665-6158	Requestor: JOHN TYMKOWYCH
CHEMICAL AND MIXED WASTE MANAGEMENT	Z #: 135316
LOS ALAMOS NATIONAL LABORATORY	Phone: 76075
LOCATION	
TA-54 ___ AREA L ___ AREA J _X__	TA: 16
TA-50 ___ BLDG 1 ___ BLDG 37 ___	Building: OUTSIDE
TRANSPORTER MCT Transportation Inc.	Room: N/A
EPAID# NMD069417129	

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE		TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1	NP	540	F

LOAD #11

MCT TRUCK # R3600

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197282 CON ID# C01137210

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X John M Tymkowych	5-3-01

TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Roberta Spencer	X Roberta Spencer	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [illegible]	5-10-01

WASTE MANIFEST

*** IN CASE OF EMERGENCY CALL 505-667-6211 ***

EPA ID #: NM0890010515 S H I P T O FWO-SWO PHONE 505-665-6158 CHEMICAL AND MIXED WASTE MANAGEMENT LOS ALAMOS NATIONAL LABORATORY LOCATION TA-54 ___ AREA L ___ AREA J _X__ TA-50 ___ BLDG 1 ___ BLDG 37 ___ TRANSPORTER MCT Transportation Inc. EPAID# NMD069417129	WDR #: S H I P F R O M Requestor: JOHN TYMKOWYCH Z #: 135316 Phone: 76075 TA: 16 Building: OUTSIDE Room: N/A

ITEM	HM	DOT SHIPPING DESCRIPTION	CONTAINERS NO./TYPE	TOTAL QUANTITY	UNIT WT/VOL
1		NON-REGULATED WASTE, SOLID	1 NP	540	F

LOAD #12
MCT TRUCK # 5800

ADDITIONAL DESCRIPTIONS FOR MATERIALS LISTED ABOVE

ITEM ID# 2197283 CON ID# C01137211

SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION

I CERTIFY THAT THE ABOVE INFORMATION IS CORRECT AND THAT THIS TRANSFER CONTAINS NO HAZARDOUS MATERIALS OTHER THAN THOSE LISTED.

PRINTED/TYPED NAME	SIGNATURE	DATE
JOHN M. TYMKOWYCH	X [signature]	5-3-01

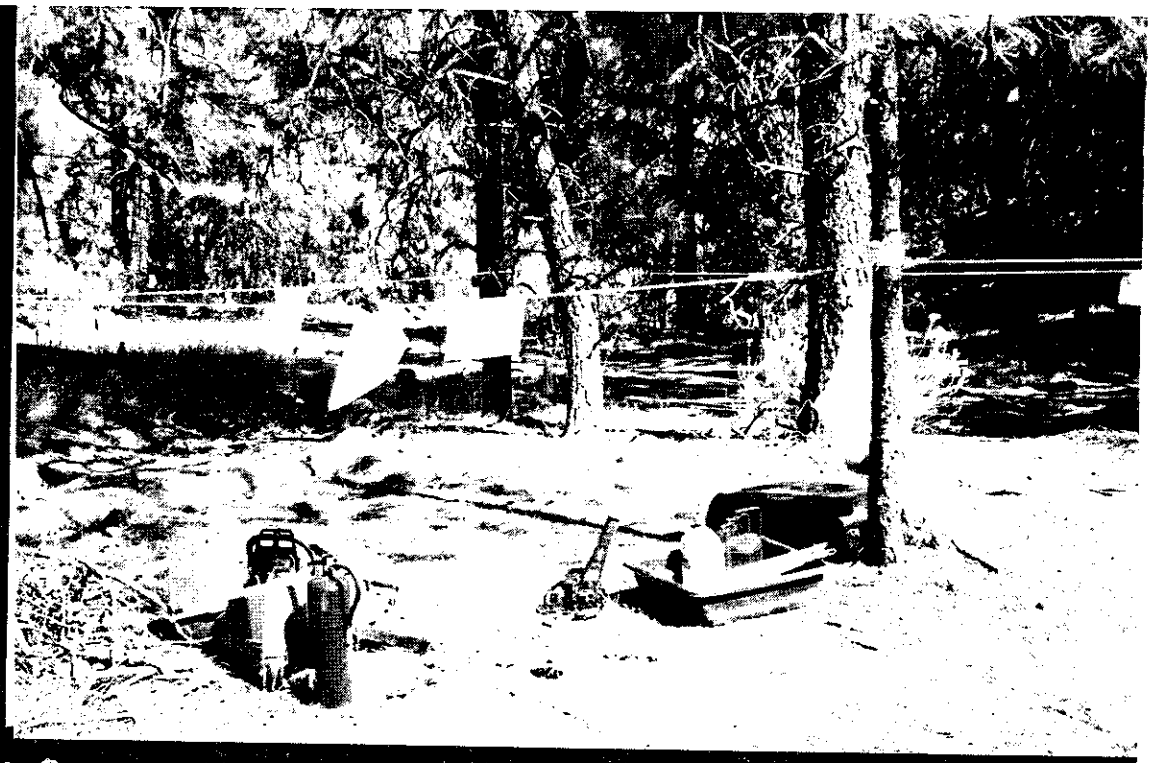
TRANSPORTER ACKNOWLEDGEMENT OF RECEIPT OF MATERIAL

PRINTED/TYPED NAME	SIGNATURE	DATE
Richard Wantmer	X [signature]	5-10-01

	SIGNATURE	DATE
RECEIPT OF MATERIAL AREA J	X [signature]	5-10-01

Appendix 21

Site Photography



View of decontamination area. Location is ~100 ft. down gradient.
September 13, 2000.

View of the outfall looking North from ~50 ft. down gradient.
Pre-excavation. September 13, 2000.

View of the outfall looking South from ~50 ft. down gradient.
Pre-excavation. September 13, 2000.

View of the outfall looking North from ~125 ft. down gradient.
Pre-excavation. September 13, 2000.

View of the outfall looking East from ~125 down gradient.
Pre-excavation. September 13, 2000.

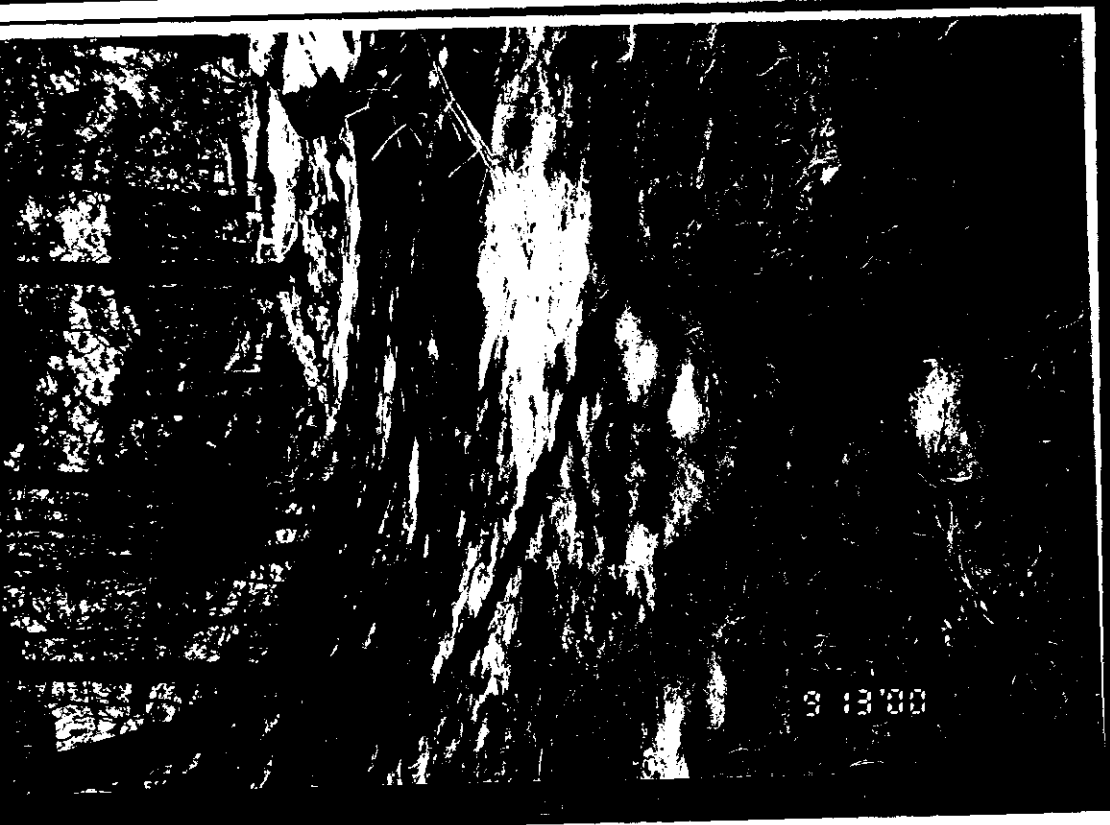
View of the outfall looking West from ~200 ft. down gradient.
Pre-excavation. September 13, 2000.

View of the outfall looking West from ~250 ft. down gradient.
Pre-excavation. September 13, 2000.

View to the North of the 300 ft. transect. Pre-excavation.
September 13, 2000.

View to the West from ~350 ft. down gradient. Pre-excavation.
September 13, 2000. The 300 ft. transect is visible in background.

View of the 425 ft. transect looking South. Pre-excavation.
September 13, 2000.



View looking towards the West from ~450 ft. down gradient.
Pre-excavation. The 425 ft. transect is visible in background.
September 13, 2000.

View to the North of the 526 ft. transect. Pre-excavation.
September 13, 2000.

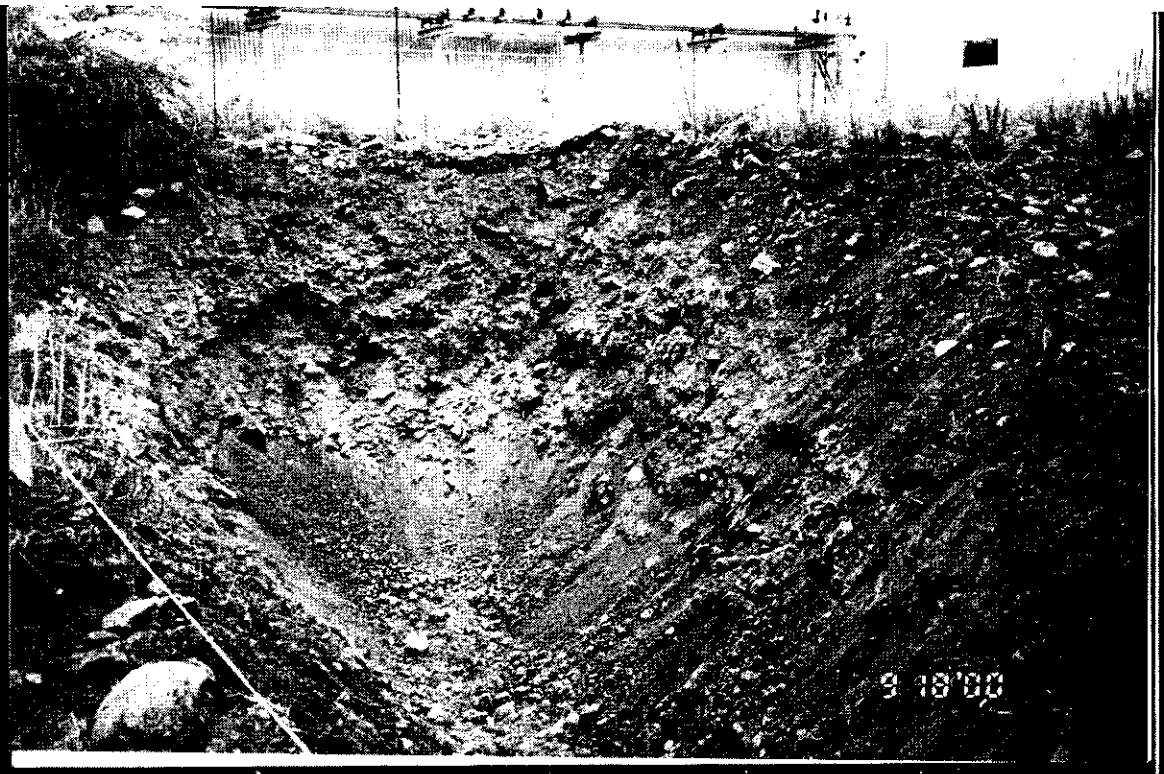
View to the West from ~600 ft. down gradient. Pre-excavation.
September 13, 2000.

View to the West from ~700 ft. down gradient. Pre-excavation.
September 13, 2000.

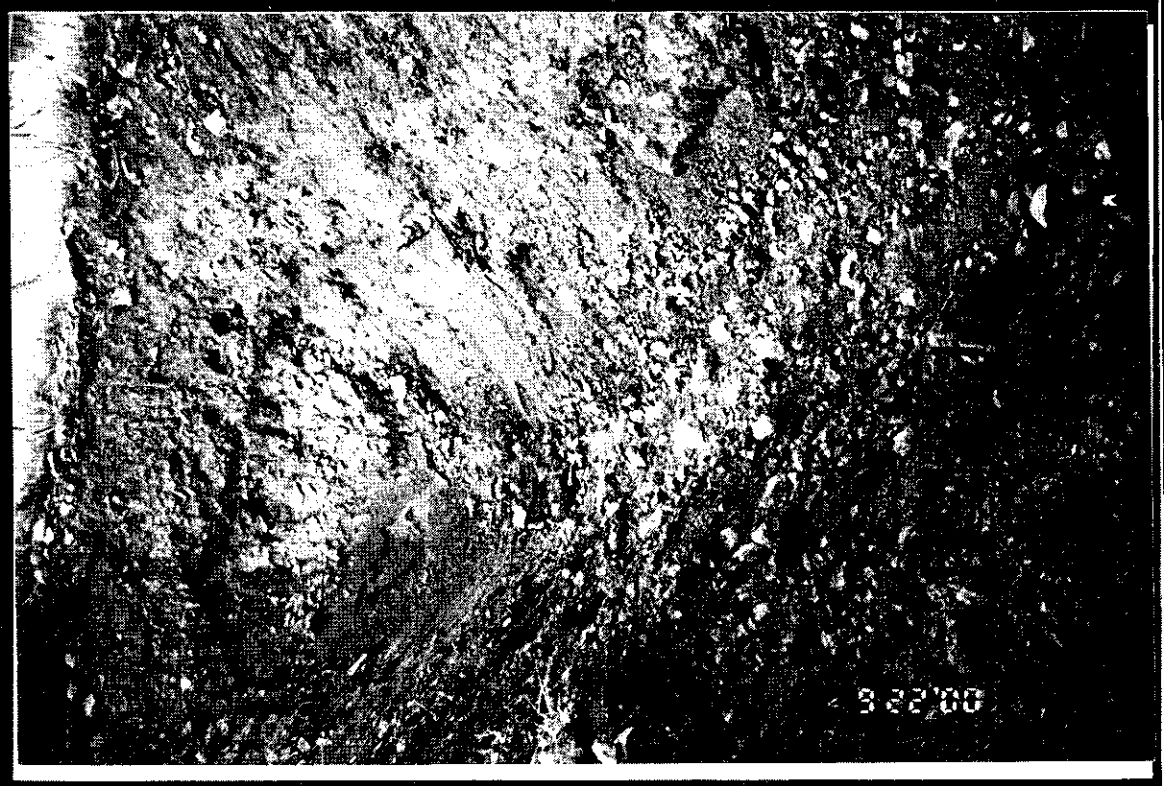
View to the East from ~720 ft. down gradient. The 738 ft. transect is in background. Pre-excavation. September 13, 2000.

View to the North from ~738 ft. down gradient. The 738 ft. transect is in view. Pre-excavation. September 13, 2000.

Excavating the outfall at ~30 ft. down gradient, depth of ~3 ft.
September 18, 2000.

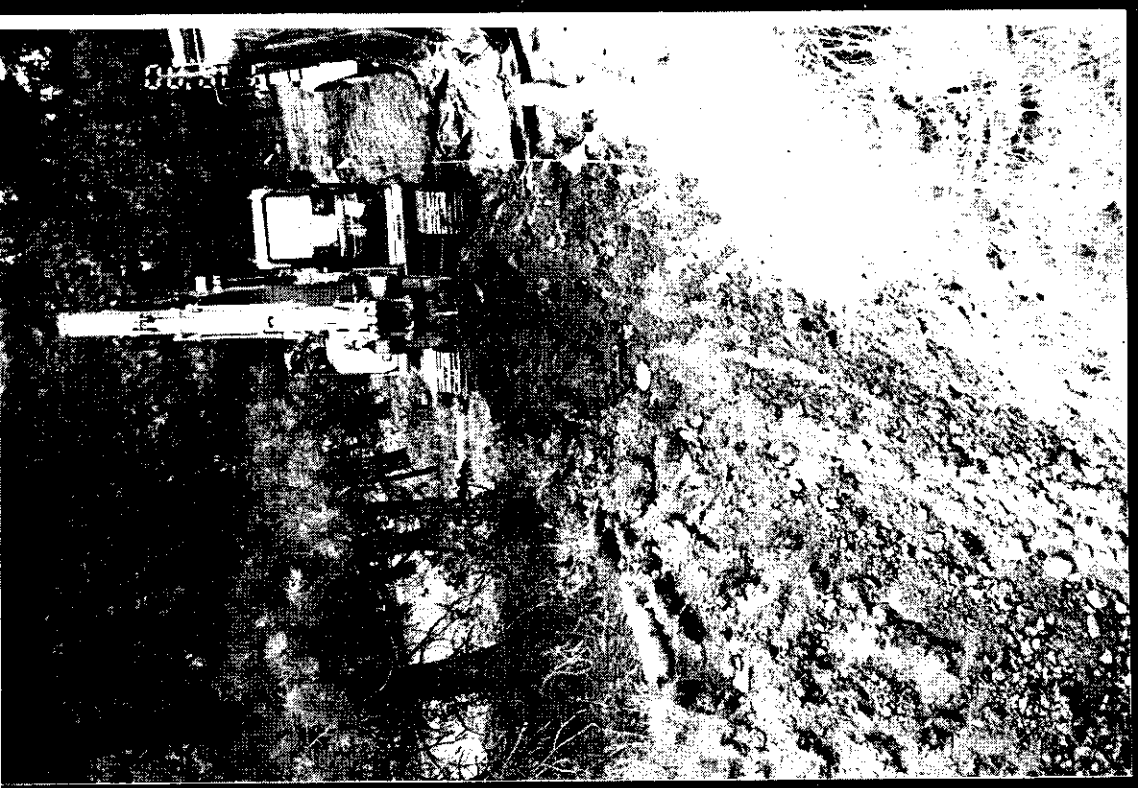


View of the start of the outfall, post-excavation. Total depth ~6 to 10 ft. September 18, 2000.



View to the North from ~30 ft. down gradient. Post-excavation. September 22, 2000.

View of excavation and loading activities during the excavation of soil from ~25 to 30 ft. down gradient. September 18, 2000.

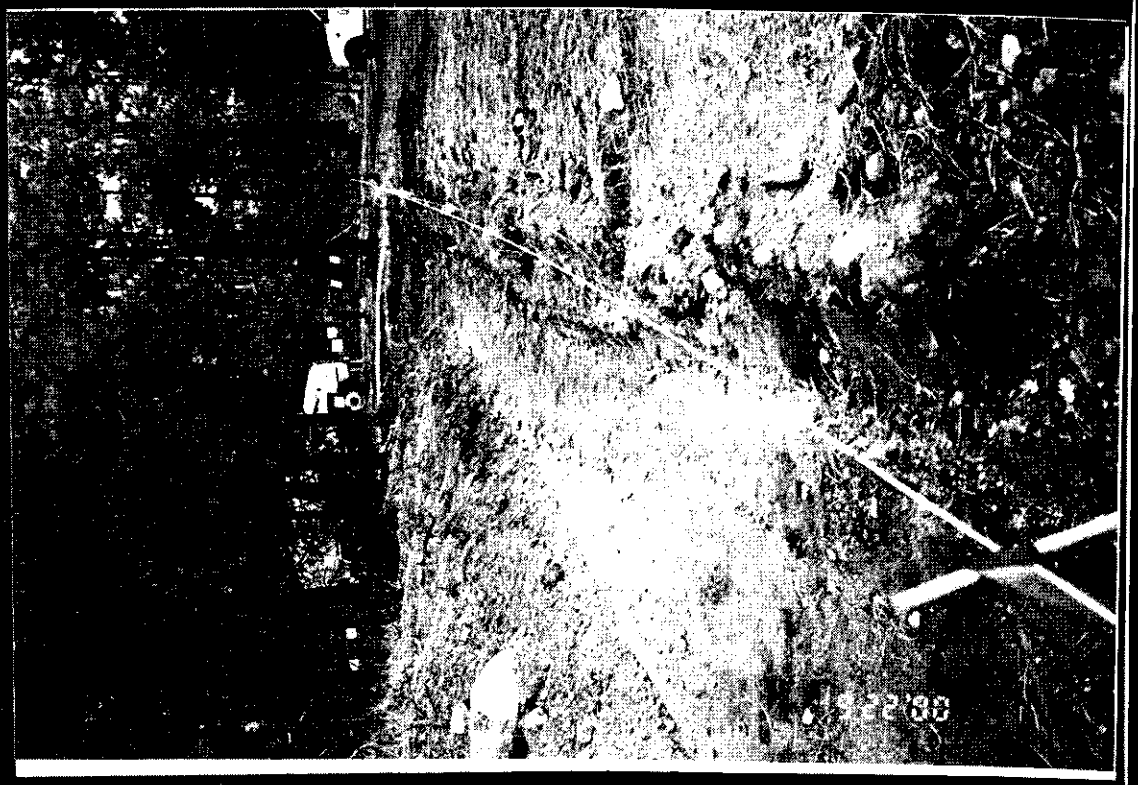


View of excavation and loading activities during the excavation of soil from ~50 ft. down gradient. September 18, 2000.

View to the East from ~125 ft. down gradient. Soil excavation and loading operation. Water being applied as part of dust control. September 18, 2000.

View of to the east from ~150 ft. down gradient. Post-excavation. September 18, 2000.

View to the North from ~125 ft. down gradient. Post-excavation.
September 18, 2000.



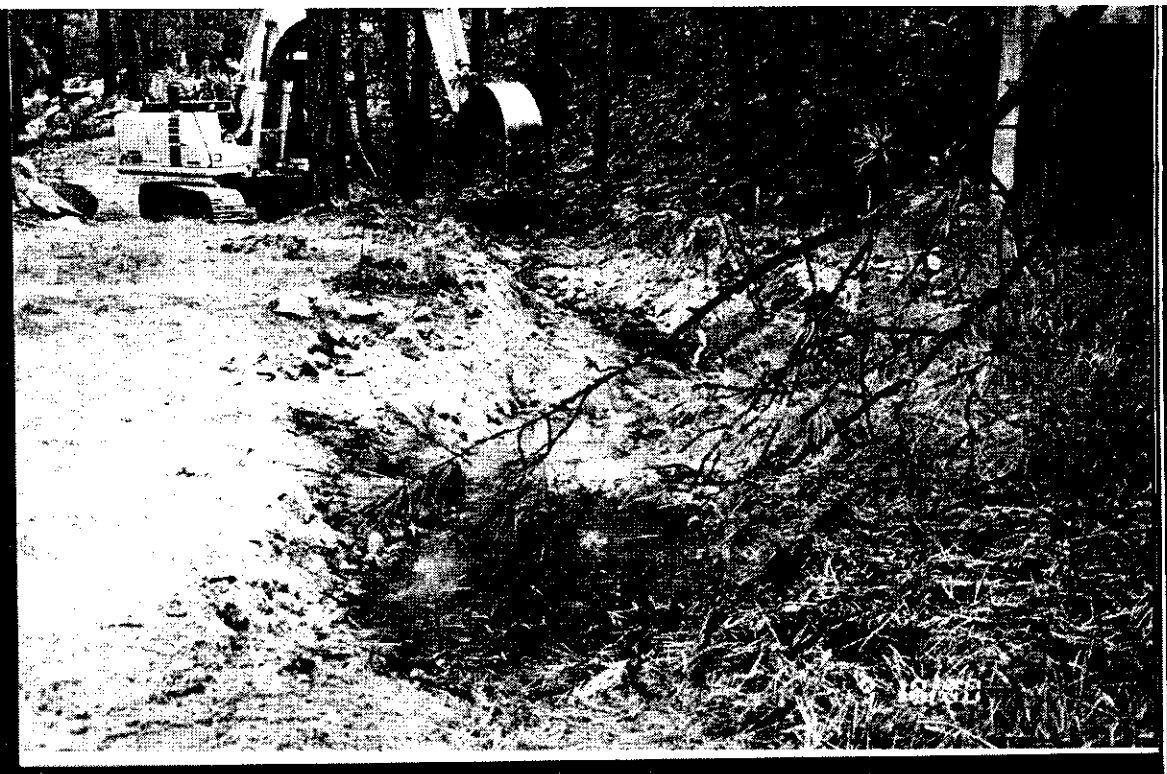
View to the South from ~30 ft. down gradient. Post-excavation.
September 22, 2000.

Soil loading operation. Soil load # 11. this soil had been excavated from ~150 ft. to 250 ft. down gradient. Komatsu WA250 loader and Kenworth dump truck. September 18, 2000.

View to the East from ~125 ft. down gradient. Post-excavation. September 22, 2000.

View to the Southeast from ~200 ft. down gradient.
Post-excavation. September 22, 2000.

View to the West/Northwest from ~250 ft. down gradient. Area had just been excavated. September 18, 2000.



View to the East from ~300 ft. down gradient. Post-excavation.
September 18, 2000.

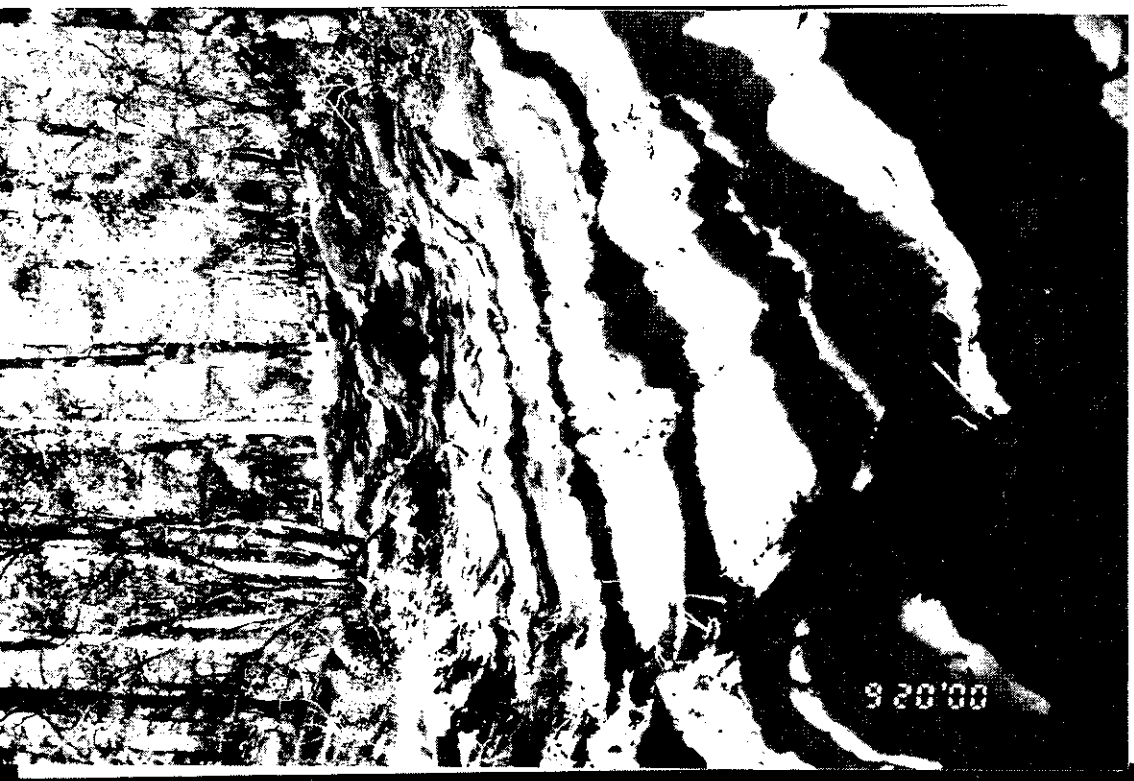
View to the West from ~425 ft. down gradient. Post-excavation.
September 20, 2000.

View to the West from ~525 ft. down gradient. Post-excavation.
September 20, 2000.

View to the East from ~400 ft. down gradient. During excavation
of the 500 ft. plus down gradient location. September 20, 2000.

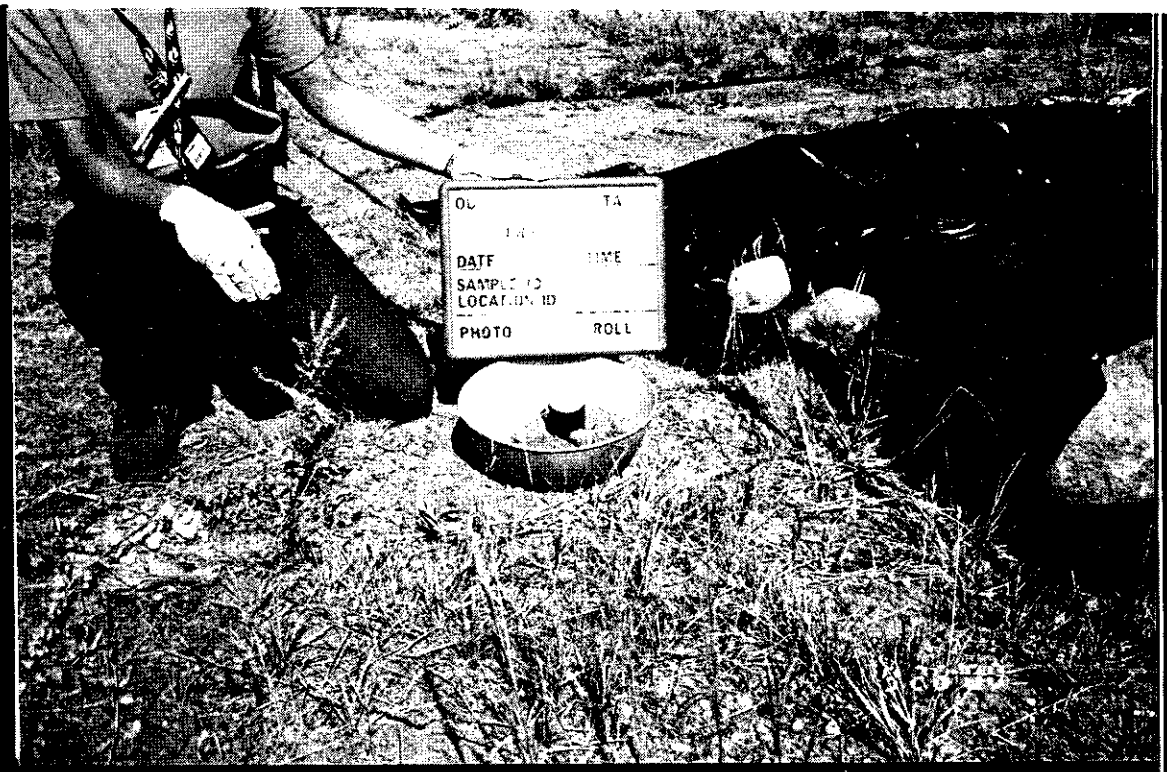
View to the East from ~525 ft. down gradient. During excavation. September 20, 2000.

Excavating at ~530 ft. down gradient. September 2000.



View to the West from ~625 ft. down gradient. Post-excavation.
September 20, 2000.

Track excavator used fro the cleanup, Komatsu PC120.
Operator Greg Meyers. September 20, 2000.



TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4065

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4066

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4067

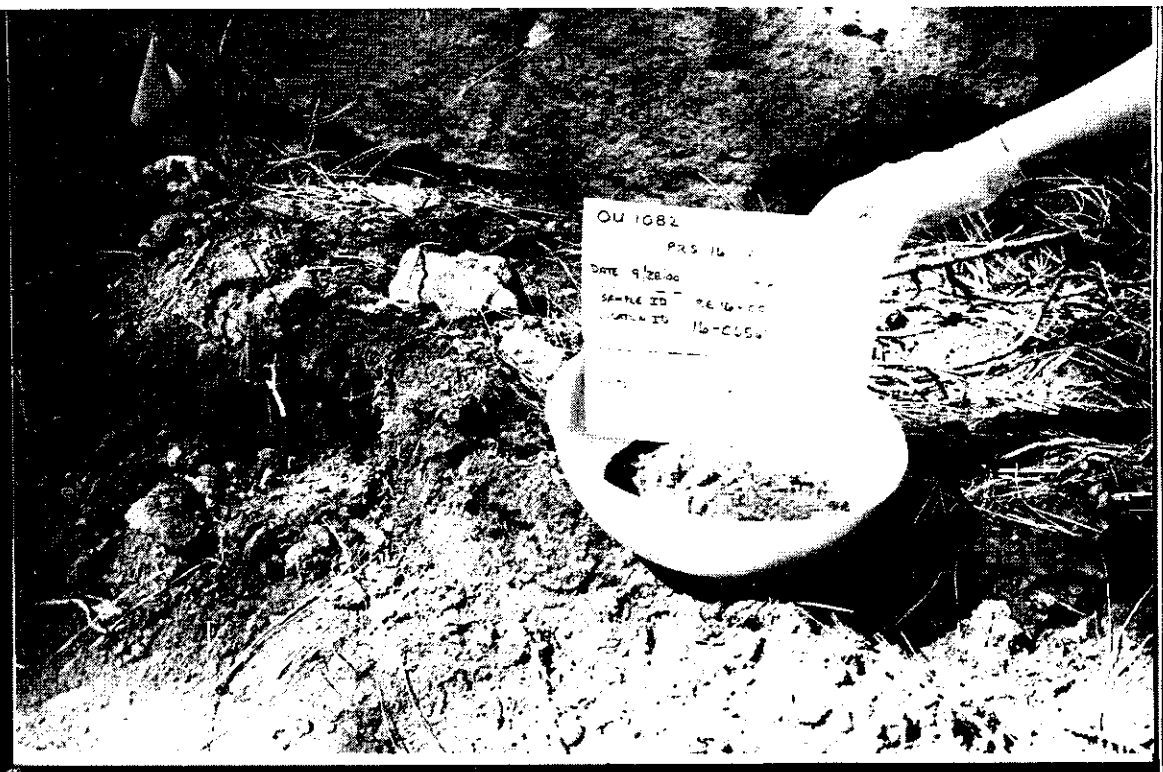
TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4068

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4069

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4070

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4071

TA-16, Silver Outfall
Soil Pile Waste Characterization Sampling
September 26, 2000
Sample # RE16-00-4072

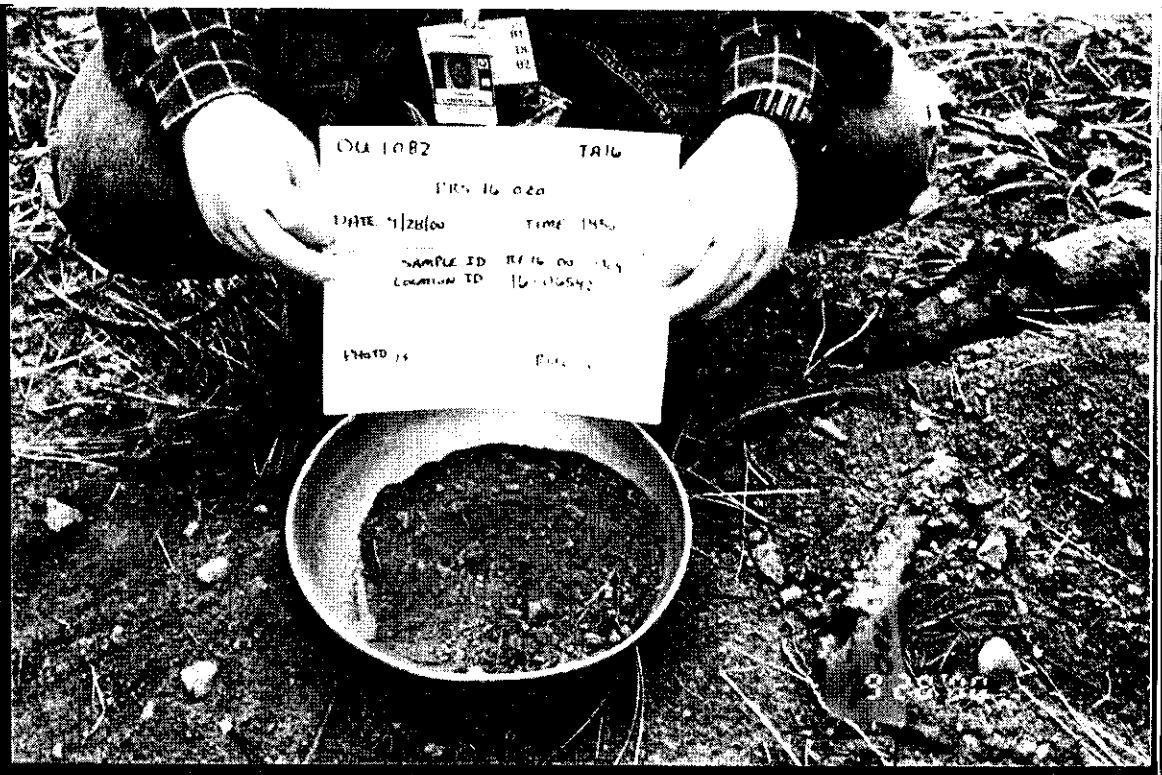


TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06562
Sample ID RE16-00-0300
Depth 0 to 6"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06562
Sample ID RE16-00-0301
Depth 24"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06555
Sample ID RE16-00-0302
Depth 0 to 6'
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06555
Sample ID RE16-00-0303
Depth 24"
September 28, 2000

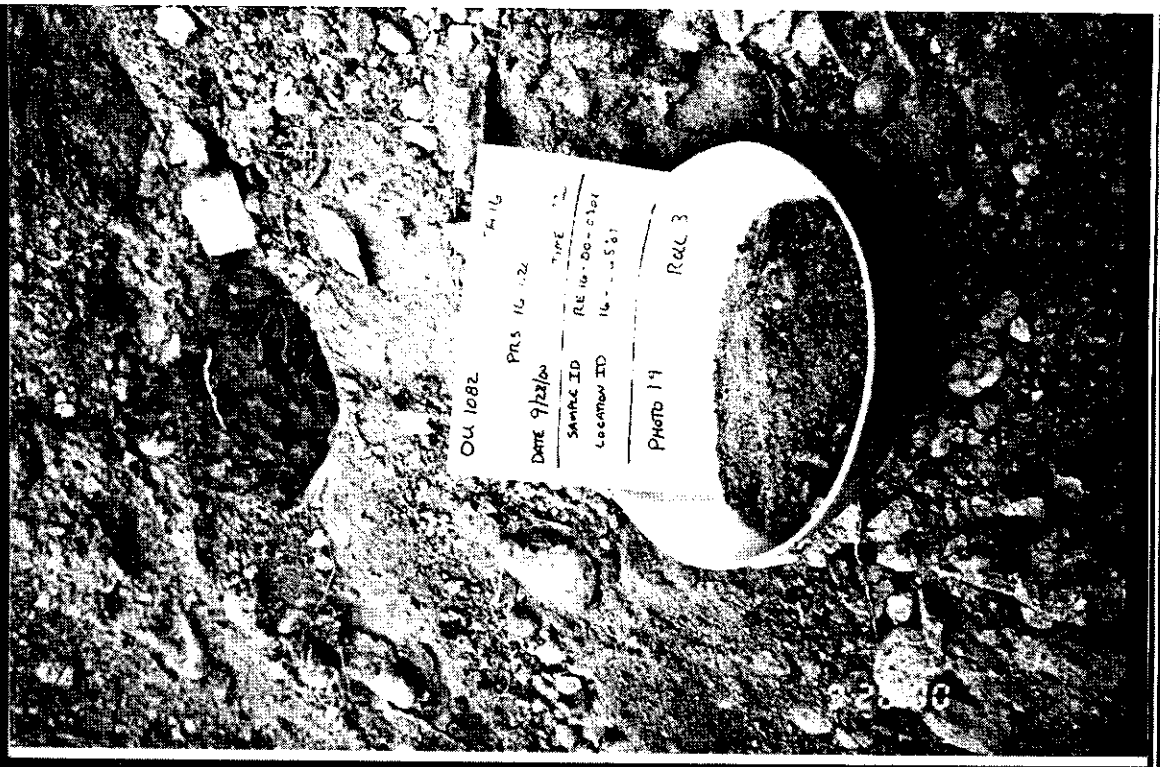


TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06542
Sample ID RE16-00-0304
Depth 0 to 6"
September 28, 2000

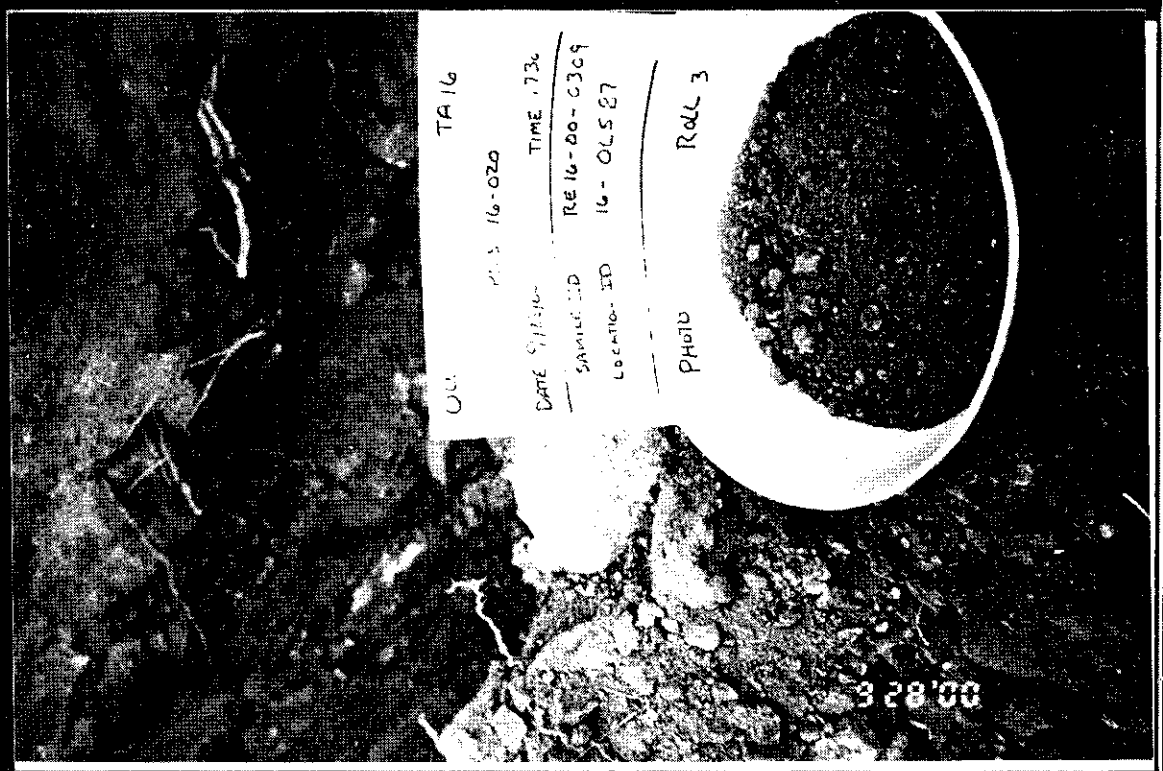
TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06542
Sample ID RE16-00-0305
Depth 24"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06583
Sample ID RE16-00-0306
Depth 0 to 6"
September 28, 2000

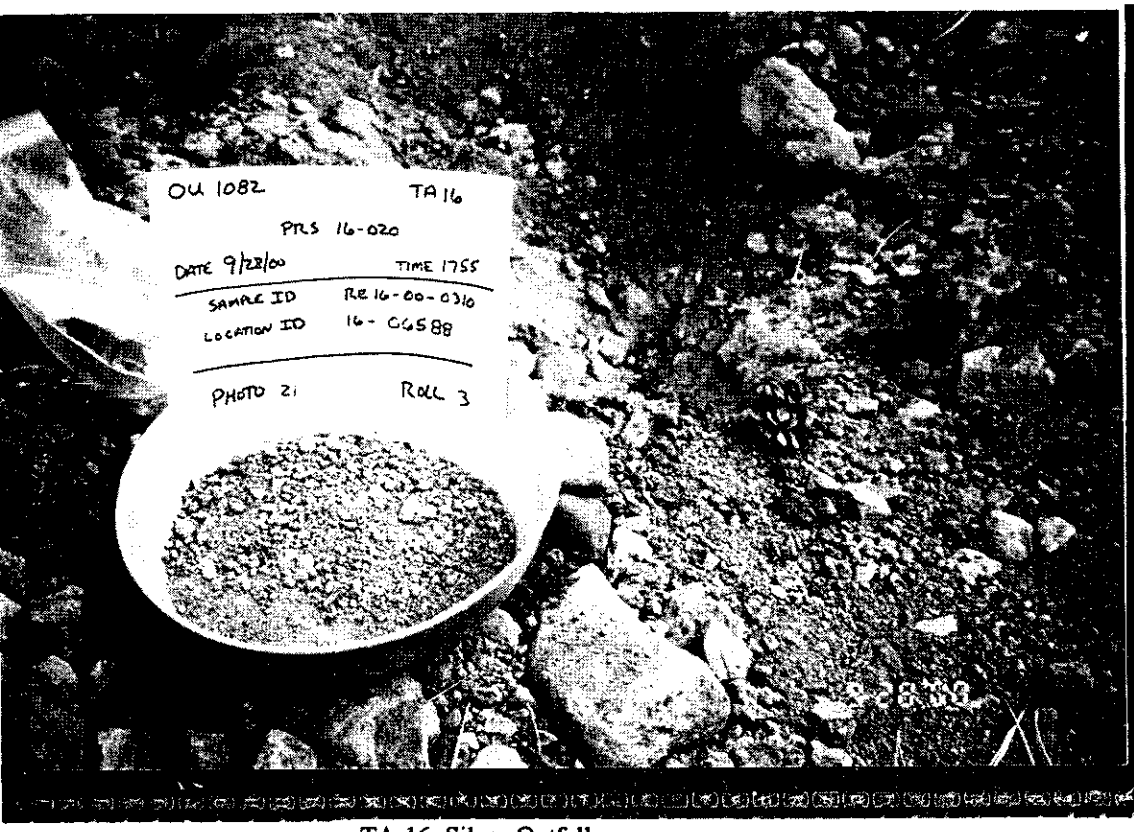
TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06583
Sample ID RE16-00-0307
Depth 24"
September 28, 2000



TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06587
Sample ID RE16-00-0308
Depth 0 to 6"
September 28, 2000

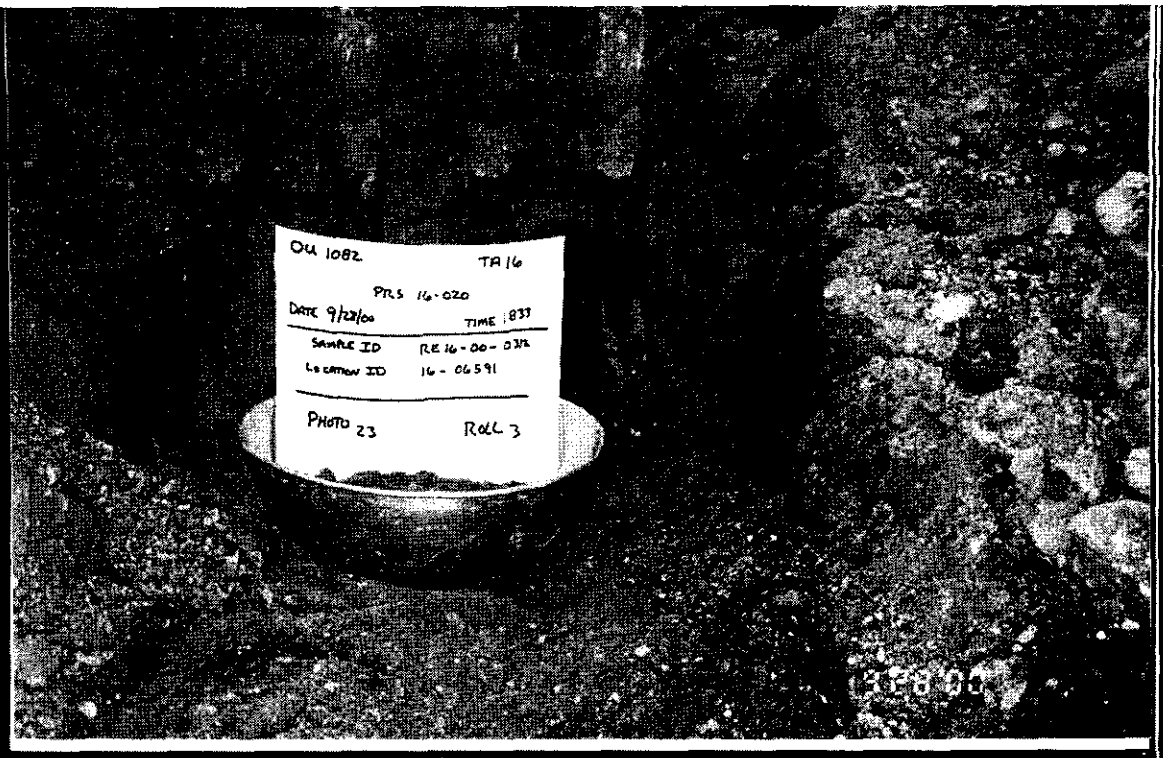


TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06587
Sample ID RE16-00-0309
Depth 24"
September 28, 2000



TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06588
Sample ID RE16-00-0310
Depth 0 to 6"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06588
Sample ID RE16-00-0311
Depth 24"
September 28, 2000



TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06591
Sample ID RE16-00-0312
Depth 0 to 6"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06591
Sample ID RE16-00-0313
Depth 24"
September 28, 2000

TA-16, Silver Outfall
Site Verification Sampling
Location ID 16-06573
Sample ID RE16-00-0314
Depth 0 to 6"
September 29, 2000

View to the North ~100' down gradient

- Before BMP Installation

- After BMP Installation

View to the East ~150' down gradient

- Before BMP Installation

- After BMP Installation

View to the Southeast ~250' down gradient

- Before BMP Installation

- After BMP Installation

View to the East from 300' down gradient

- Before BMP Installation

- After BMP Installation

View to the East from ~400' down gradient

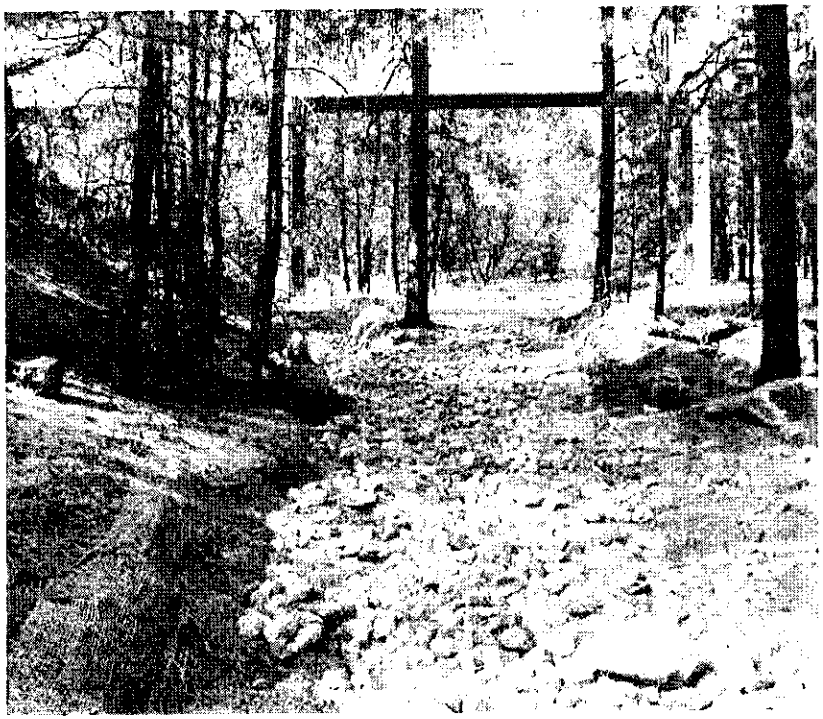
- Before BMP Installation

- After BMP Installation

View to the West from ~450' down gradient

- Before BMP Installation

- After BMP Installation



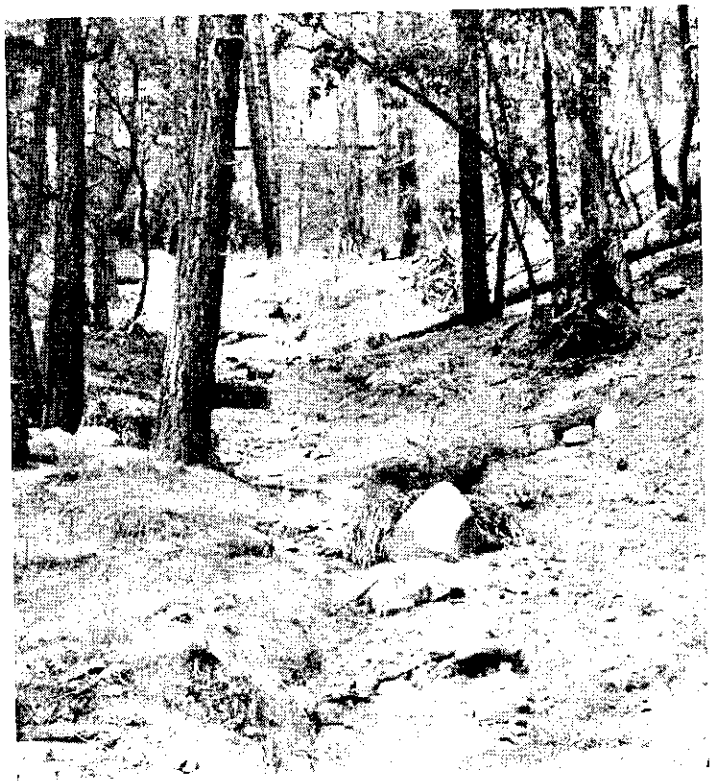
View to the East from ~600' down gradient

- Before BMP Installation

- After BMP Installation

View to the West from ~650' down gradient

- Before BMP Installation



- After BMP Installation

View to the North from ~50' down gradient. 8-31-01

View to the North from ~100' down gradient. 8-31-01

View Northeast from ~100' down gradient. 8-31-01

View to the West from ~150' down gradient. 8-31-01

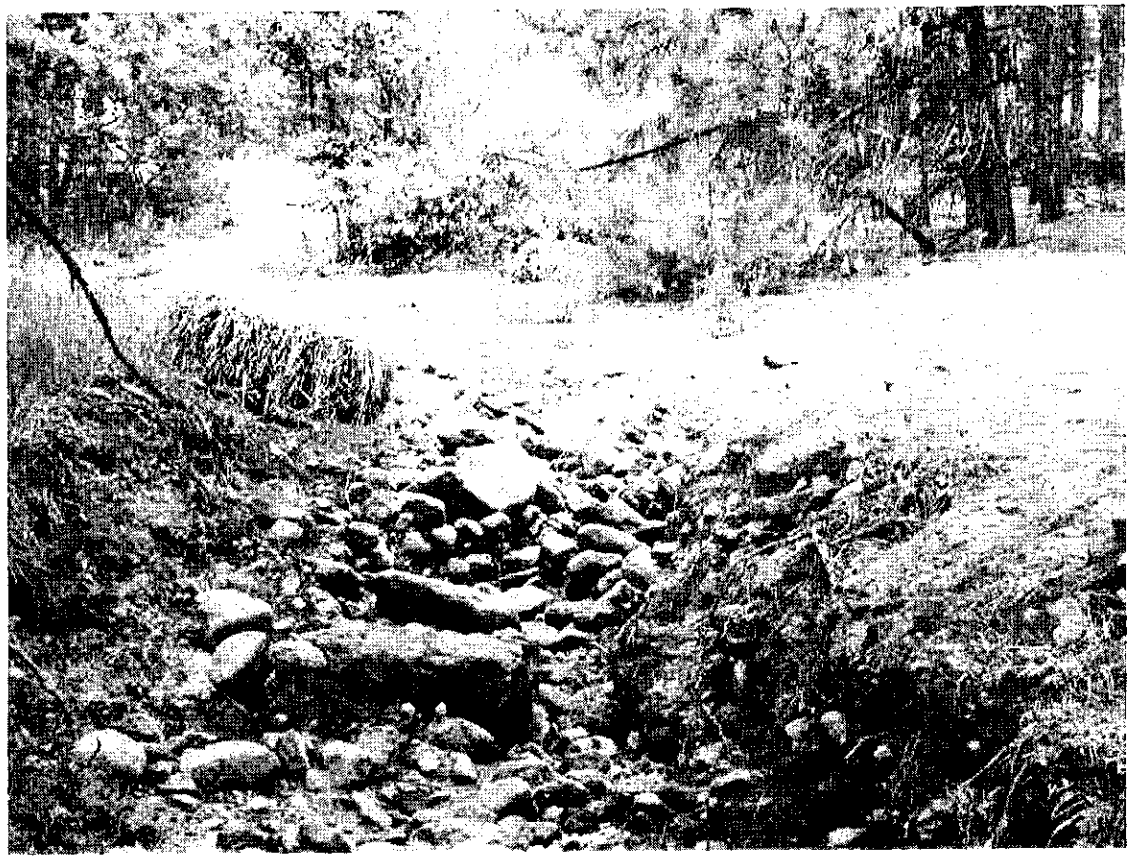
View to the East from ~150' down gradient. 8-31-01

View to the East from ~200' down gradient. 8-31-01

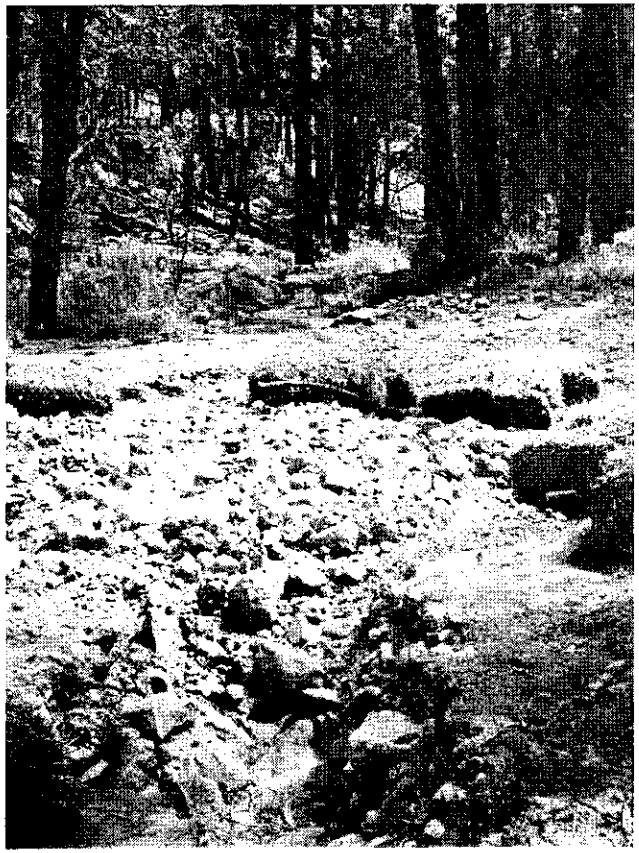
View to the Southeast from ~250' down gradient. 8-31-01

View to the East from ~300' down gradient. 8-31-01

View to the West from ~325' down gradient. 8-31-01



View to the Northeast from ~400' down gradient. 8-31-01



View to the Northeast from ~400' down gradient. 8-31-01

View to the West from ~400' down gradient. 8-31-01

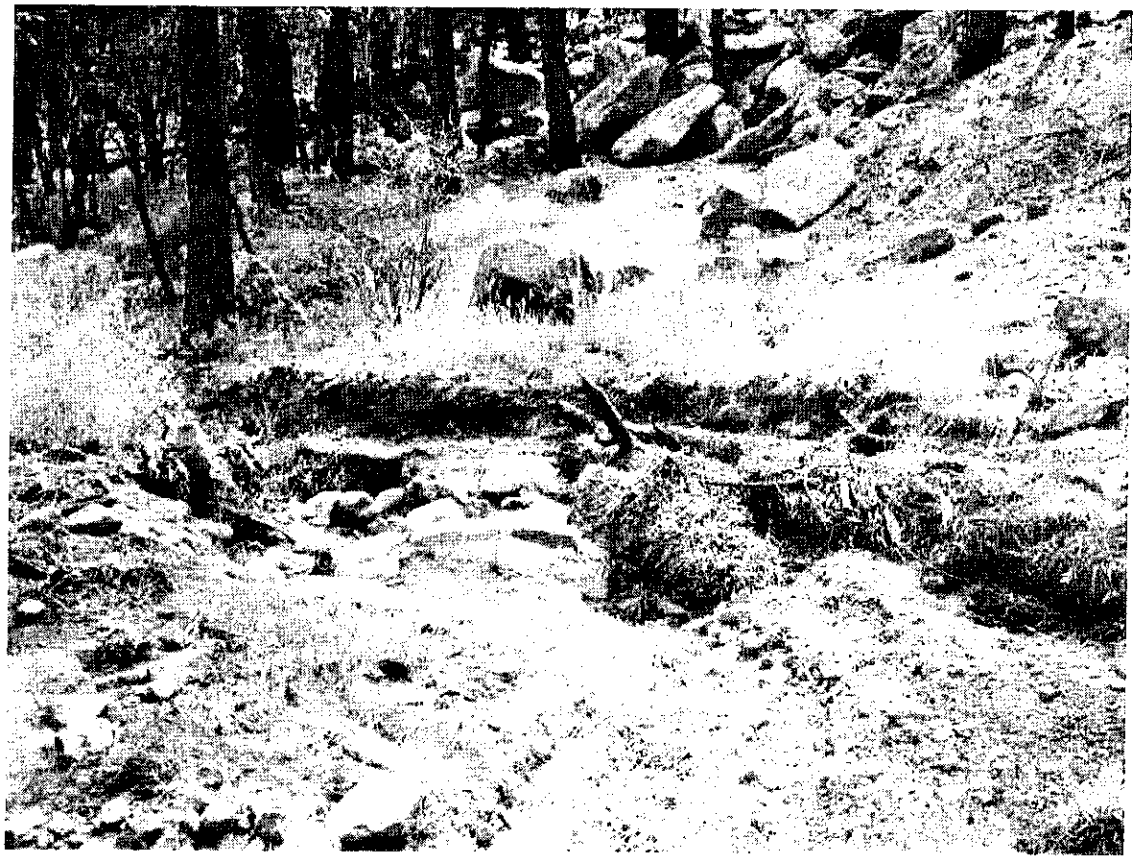
View to the West from ~425' down gradient. 8-31-01

View to the East from ~450' down gradient. 8-31-01

View to the West from ~450' down gradient. 8-31-01

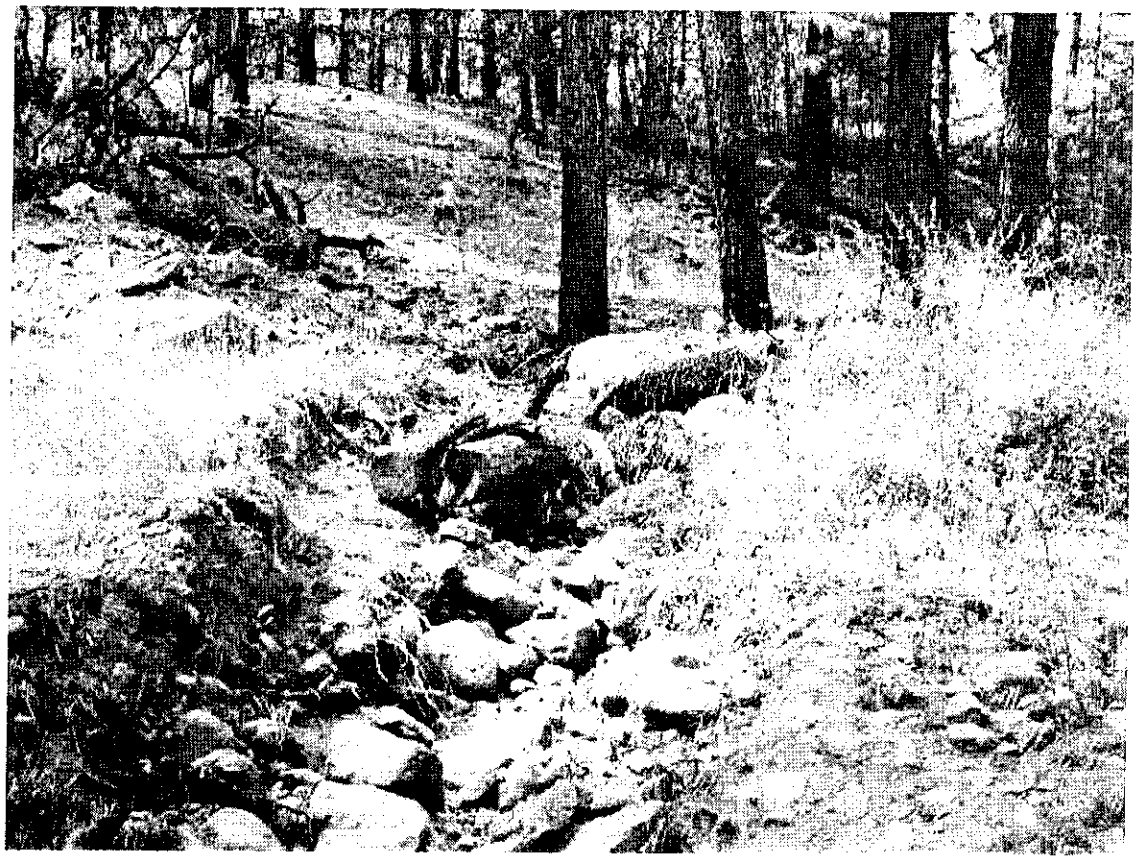
View to the Northeast from 450' down gradient. 8-31-01

View to the Southeast from ~450' down gradient. 8-31-01



View to the East from 475' down gradient. 8-31-01

View to the West from ~500' down gradient. 8-31-01

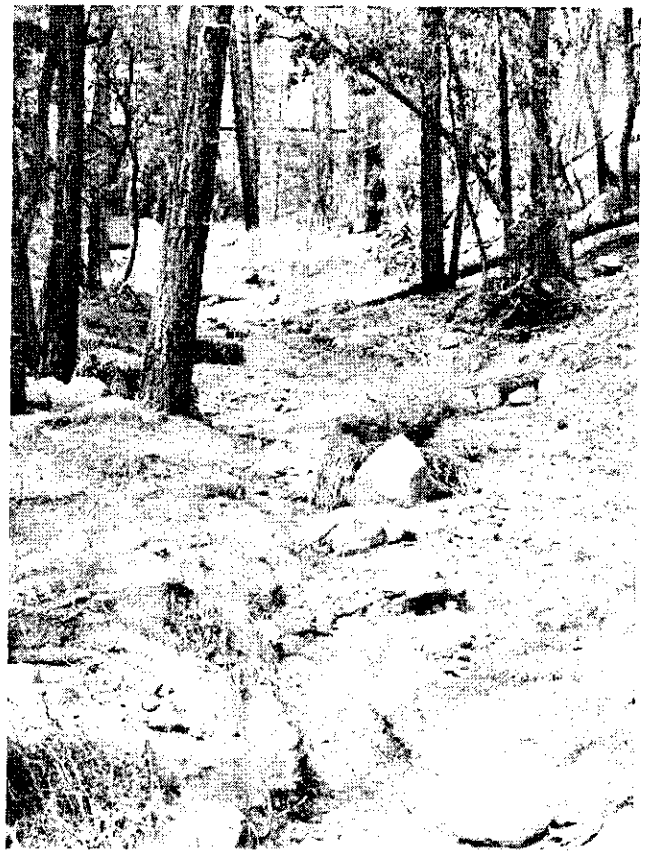


View to the East from ~550' down gradient. 8-31-01

View to the West from ~550' down gradient. 8-31-01

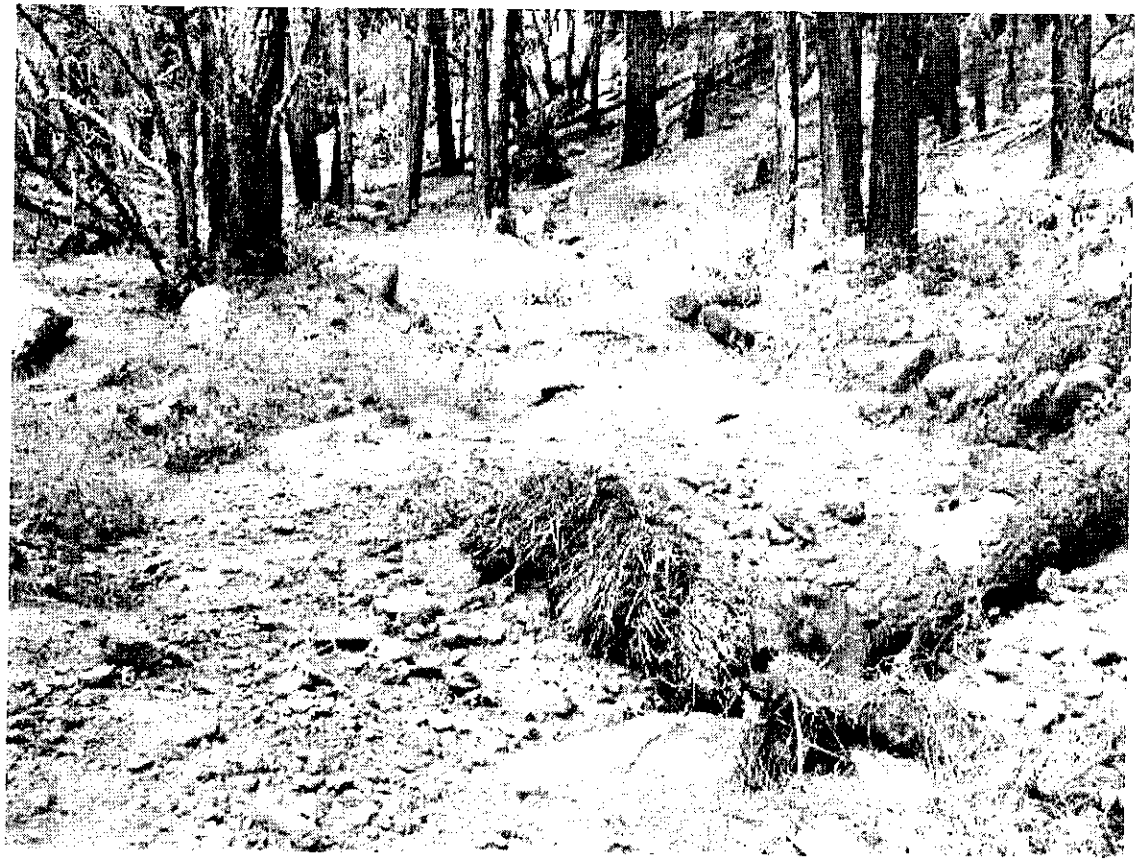
View to the East from 600' down gradient. 8-31-01

View to the West from ~600' down gradient. 8-31-01



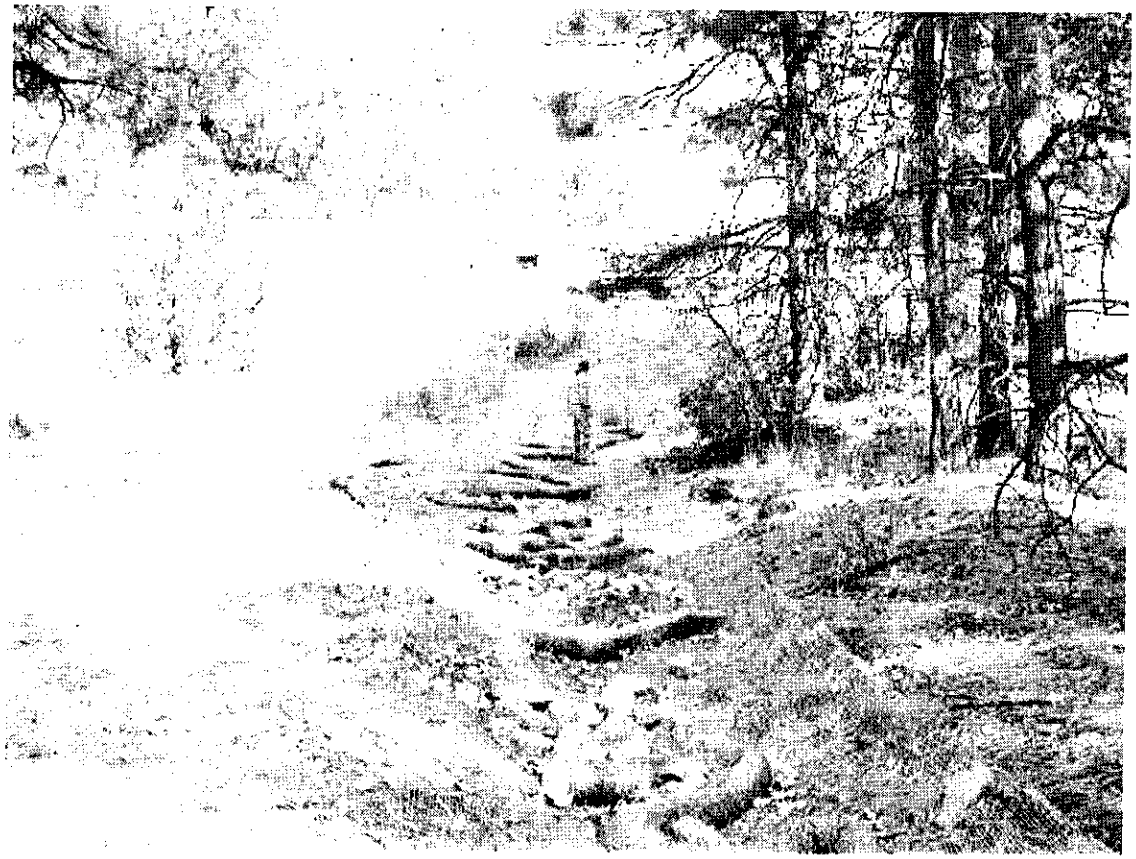
View to the East from ~650 – 700' down gradient. 8-31-01

View to the West from ~650' down gradient. 8-31-01



View to the North from ~100' down gradient. 10-29-01

View to the North from ~100' down gradient. 10-29-01



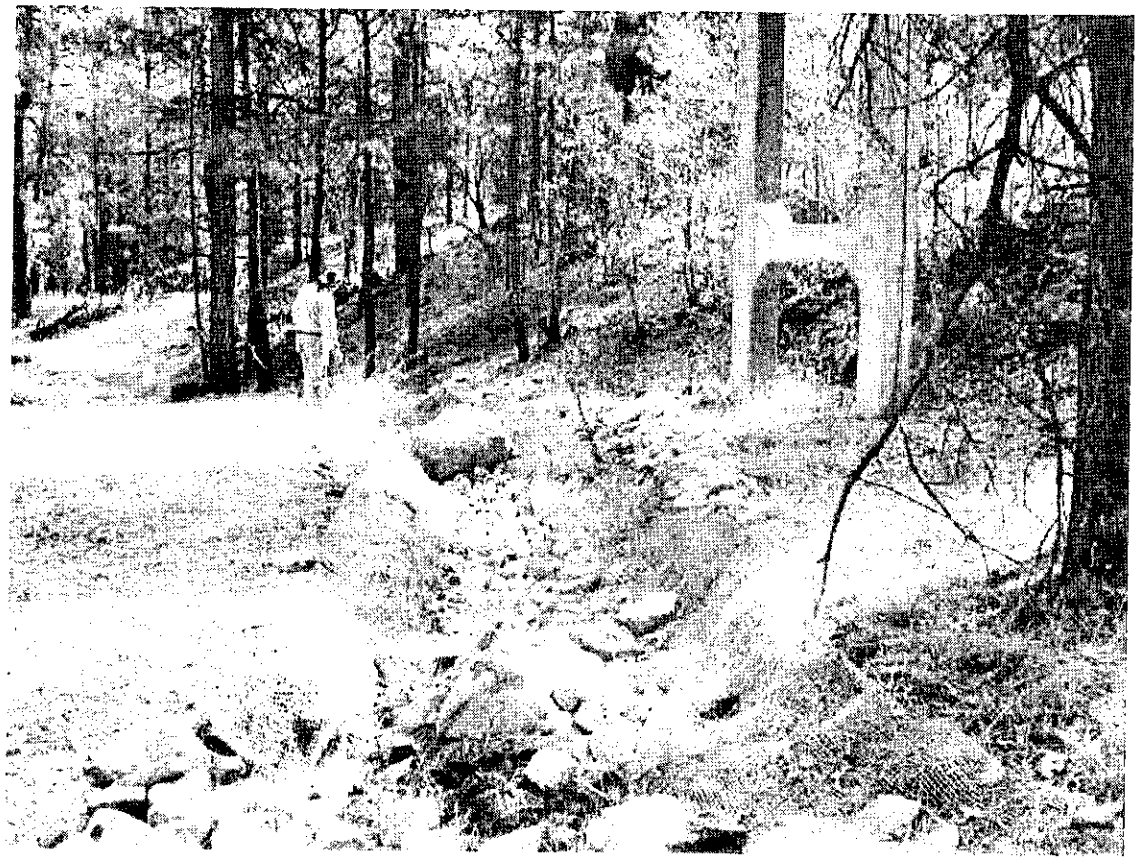
View to the Northwest from ~100' down gradient. 10-29-01

View to the South from ~100' down gradient. 10-29-01

View to the East from ~150' down gradient. 10-29-01

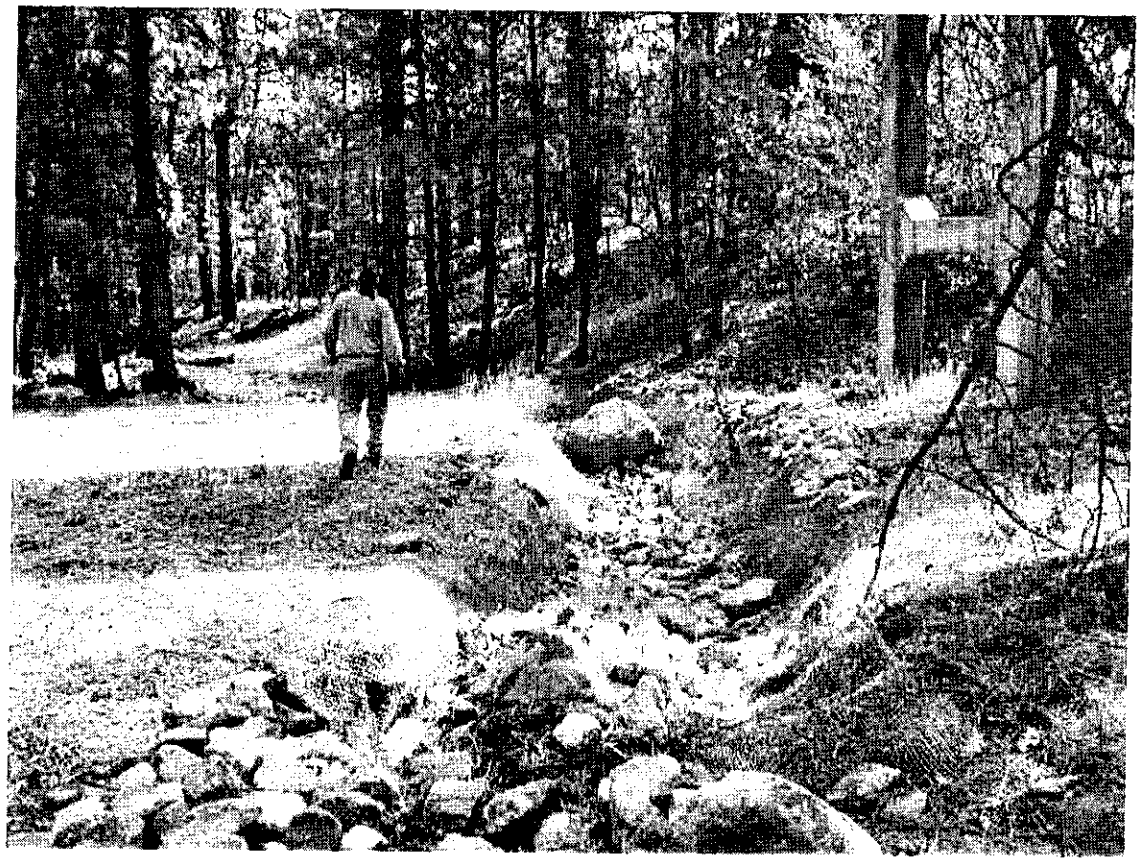
View to the Southeast from ~250' down gradient. 10-29-01

View to the East from ~300' down gradient. 10-29-01



View to the West from ~300' down gradient. 10-29-01

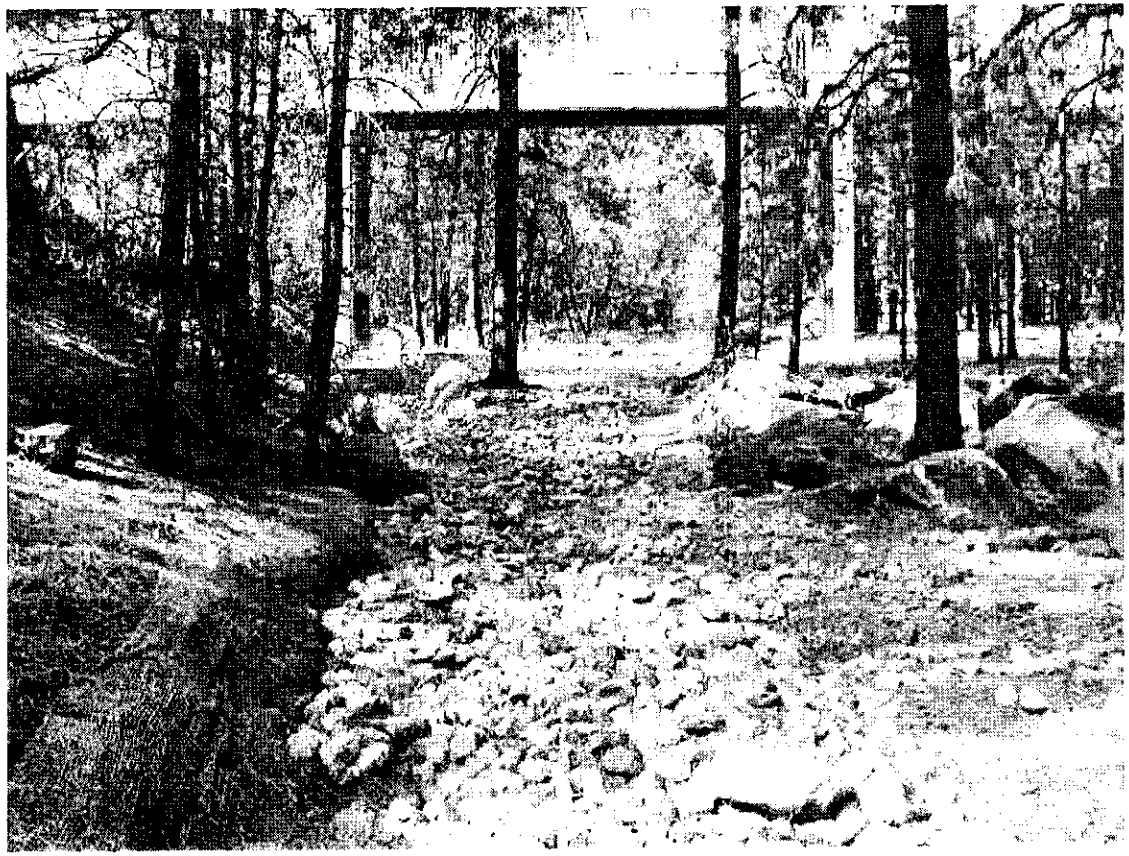
View to the East from ~300' down gradient. 10-29-01



View to the East from ~400' down gradient. 10-29-01

View to the Northeast from ~450' down gradient. 10-29-01

View to the West from ~450' down gradient. 10-29-01

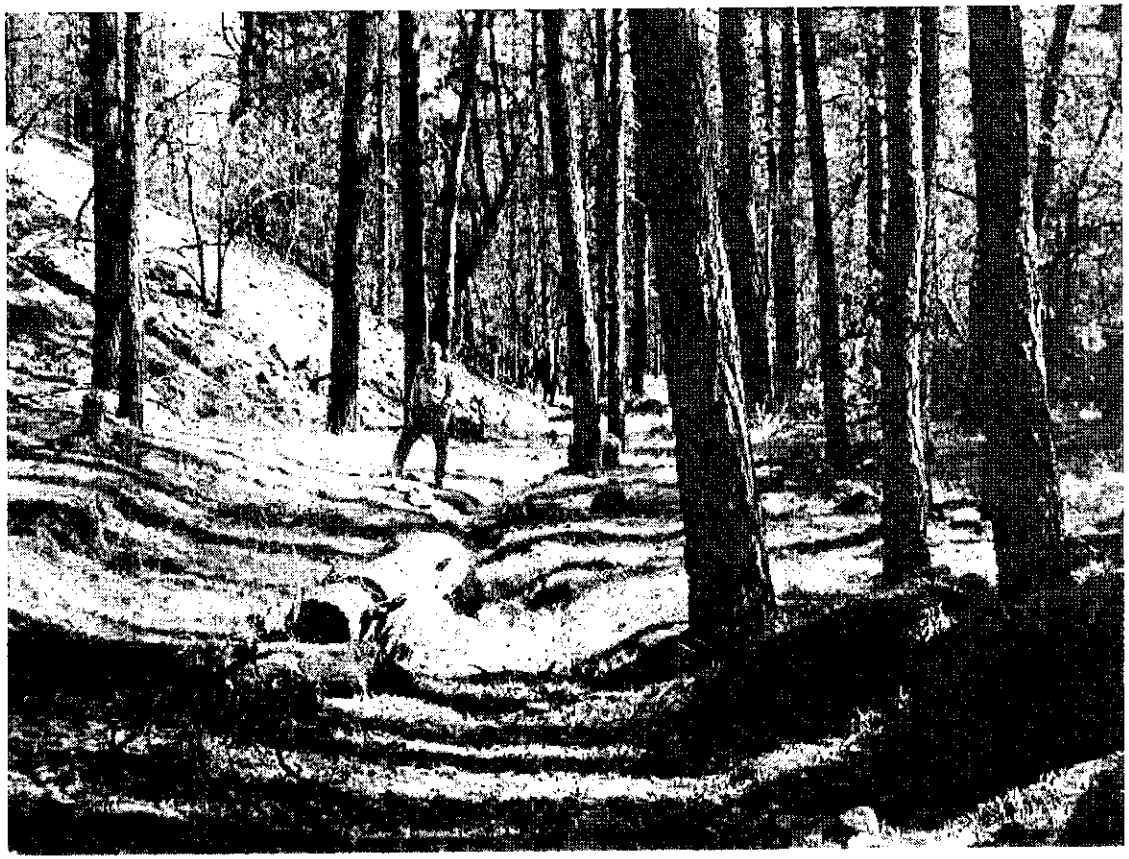


View to the West from ~500' down gradient. 10-29-01

View to the East from ~550' down gradient. 10-29-01

View to the West from ~550' down gradient. 10-29-01

View to the East from ~600' down gradient. 10-29-01



View to the West from ~600' down gradient. 10-29-01

View to the East from ~650' down gradient. 10-29-01

View to the West from ~650' down gradient. 10-29-01