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Stephen B. Antonioli

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MSE Technology Applications, Inc.
200 Technology Way
Butte, Montana 59701

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14. ABSTRACT
The Plasma Ordnance Demilitarization System (PODS) at the Hawthorne Army Depot (HWAD) has been placed in an inactive status by the U.S. Army. As a result, a temporary closure under Resource Conservation and Recovery Act (RCRA) has been implemented. Furthermore, maintenance and preservation of system components have been performed that will prevent deterioration and allow restart of the system if deemed necessary in the future.

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FINAL REPORT –
TEMPORARY CLOSURE –
PLASMA ORDNANCE
DEMILITARIZATION SYSTEM

DOTC-13-01-INIT257

Prepared by:

MSE Technology Applications, Inc.
200 Technology Way
P.O. Box 4078
Butte, Montana 59701

Prepared for:

ARDEC
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October 2013

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Prepared and
Approved by:

Steve Antonioli, MSE Project Manager

Technical Certification

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Gene A. Barry, P.E.
4LEAF, Inc., Consultant to MSE

Oct. 16, 2013
Date

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ACRONYMS AND ABBREVIATIONS

ARDEC	U.S. Army Armament Research, Development and Engineering Center
ASTM	ASTM International
CEM	Certified Environmental Manager
COC	chain-of-custody
HDPE	high-density polyethylene
HWAD	Hawthorne Army Depot
MSE	MSE Technology Applications, Inc.
NDEP	Nevada Division of Environmental Protection
ORP	oxidation reduction potential
PODS	Plasma Ordnance Demilitarization System
PPC	primary processing chamber
PPE	personal protective equipment
RCRA	Resource Conservation and Recovery Act
SOC	SOC Nevada, LLC
TCLP	toxicity characteristic leaching procedure
WTS	water treatment system

1. INTRODUCTION

The Plasma Ordnance Demilitarization System (PODS) at the Hawthorne Army Depot (HWAD) has been placed in an inactive status by the U.S. Army. As a result, a temporary closure under Resource Conservation and Recovery Act (RCRA) has been implemented. Furthermore, maintenance and preservation of system components have been performed that will prevent deterioration and allow restart of the system if deemed necessary in the future.

2. PROJECT OBJECTIVE

The objective of the project was to define and execute the work necessary to configure prototype systems, such as the PODS, for situations where the system may not be operated for an extended period of time. In the case of PODS, the system was configured to remain in an inoperable status for an extended period of time and in a manner that is in accordance with the *PODS Closure Plan*, Version 4, prepared by Coterie Environmental, Inc., April 29, 2013 and *Closure Sampling Plan for Temporary Closure of the Plasma Ordnance Demilitarization System*, prepared by Coterie Environmental, Inc., April 29, 2013, that were submitted and approved by the Nevada Division of Environmental Protection (NDEP) on April 29, 2013.

Under the temporary closure plan, the system is to be left in a condition that prevents the release of or worker exposure to hazardous materials and prevents degradation of system equipment. The configuration of the system must also make resuming project activities with the prototype system possible with minimal effort and procurement if the decision to proceed with the project in the future is made. Cleaning internal surfaces, piping, and components of the system was not an objective of the temporary closure. If the decision is made to permanently close and dismantle the facility, potential internal contamination would be addressed at that time.

The primary tasks undertaken during the project were:

- Clean and sample the external surfaces of the PODS equipment and facility in accordance with the NDEP-approved temporary closure plan to verify the system is left in a condition that minimizes the potential exposure risk to workers and the environment.
- Eliminate future environmental issues at the PODS facility at HWAD, primarily by the proper disposal of remaining chemicals and wastes.
- Configure PODS equipment and plant systems to minimize the need for on-going area monitoring and inspection.
- Preserve condition of PODS equipment.

3. PLANNING ACTIVITIES

3.1 KICK-OFF MEETING

A meeting was held on April 4, 2013 in Carson City, Nevada with NDEP, Hawthorne site representatives, U.S. Army Armament Research, Development and Engineering Center (ARDEC), and MSE Technology Applications, Inc. (MSE) personnel. The objectives of the meeting were to discuss the revised PODS Closure Plan, the PODS Closure Sampling and Analysis Plan, and the planned execution of the temporary closure effort. The group addressed remaining comments on the revised PODS Closure Plan and Sampling and Analysis Plan and MSE received verbal approval from NDEP for conducting an initial

sampling of the PODS facility in order to prioritize cleaning. The temporary authorization letter for the temporary closure effort was received from NDEP on April 29, 2013 (Appendix A).

After the kick-off meeting, MSE met with site personnel at HWAD for a walk-through of the PODS water treatment system. At this time, MSE assessed the steps necessary for performing maintenance and check-out prior to treatment of any rinse waters or waste.

3.2 LONG-TERM LAYAWAY MASTER PLAN

An overall plan for project activities was developed. This plan outlined the steps for each of the proposed tasks and the schedule of activities. This plan was submitted in draft form to the U.S. Army on April 16, 2013. Comments were addressed and the final plan submitted on April 26, 2013.

3.3 TRIP PLANS

Trip plans were completed prior to on-site activities for equipment repair or facility clean-up. The trip plans outlined the activities to be completed and the anticipated daily schedule for the activities. Three trip plans were completed and delivered to ARDEC on April 24, 2013, May 30, 2013, and July 31, 2013. In addition, logbooks were kept during each of the field activities (Appendix B).

3.4 HEALTH AND SAFETY PLAN

A health and safety plan was developed prior to conducting clean-up activities. The plan covered the procedures that personnel were required to follow to prevent exposure to harmful materials and to prevent the potential for injury. The plan also covered the personal protective equipment (PPE) used during the effort.

4. WATER TREATMENT SYSTEM MAINTENANCE AND CHECK-OUT

It was necessary to perform maintenance and repairs to the water treatment system (WTS) in order to process wastewater generated during cleaning of the PODS facility. MSE performed the following tasks in order to bring the WTS back on-line.

The repairs to the WTS began on April 30, 2013. MSE started the computer control system, plant compressed air, and plant water systems. Filling of the sump was started by adding water at the top of the absorber column. At this point, leaks in the bottom of the absorber were identified. The absorber recirculation pumps were started to allow water to be sent to the water treatment equalizer tank. The day tanks were staged at the WTS and connecting of the pumps and instrumentation was started. New sand was placed in the sand filter.

The pinholes in the absorber column were inspected and the pump restarted in order to remove excess water and dry out the leaking holes. After a short period of time, it was determined that the leaking areas were dry so epoxy filler was prepared and applied to the leaks.

The chemical feed lines were installed and the controls verified for proper function. It was discovered that one pH probe was malfunctioning and needed to be replaced. The metering pumps were all cycled. One level sensor was found that needed repair. MSE checked out the absorber sump and discovered two additional leaks, one on the absorber body and the other on the drain line. Both leaks were repaired with epoxy.

The repairs on the chemical feed lines were completed and the lines were pressure tested using plant water supplied by hose. The day tanks were partially filled. Checkout was initiated on the filter press, valves, and metering pumps. Some of the metering pumps were discovered to be malfunctioning so parts from other pumps were used to check out the problems. The chemical injection system piping was finished although some parts need replacement. Debris in the absorber sump was removed.

The chrome reduction tank was filled using a hose, and the system was allowed to fill until the first clarifier tank reached the 4-foot level. Next, the crew began filling the neutralization tank, also using a hose, until the second clarifier tank reached the 4-foot level.

The pumps to the filter press were started but a leak was discovered and repaired. Half of the water from the first clarifier tank was run into the filter press and then back to the equalization tank. The pump from the second clarifier tank was then started to pump to the filter press. It was found that the flange on the outlet of the tank was cracked and leaking. The water was sent through the filter press to the equalization tank. The connection between Pump A and Pump B failed and was repaired. The cracked flange was removed and was repaired at MSE's shop in Butte, Montana. Maintenance work was performed on the sump pumps.

Repairs to the WTS piping were completed. The new pH and oxidation reduction potential (ORP) probes in the WTS were installed and troubleshooting of the WTS was performed. After troubleshooting was completed, the WTS control system was calibrated. Lime, polymer, and metabisulfite were added to the WTS tanks. At this time, the WTS was fully operational and able to accept wash water for treatment.

5. PODS EQUIPMENT AND FACILITY CLEANUP AND SAMPLE COLLECTION

The sample collection and cleaning of the PODS facility was designed to ensure that external surfaces were left in a non-hazardous condition. Surface wipe samples were collected and submitted for analysis of explosives and metals contamination. The work was conducted in accordance with the NDEP-approved PODS Closure Plan and PODS Closure Sampling and Analysis Plan. With NDEP approval, MSE conducted a program of sampling before cleaning the facility so that any contamination might be identified and cleaning prioritized to address those hazards.

5.1 INITIAL SAMPLING PROCEDURES

Sampling supplies were inventoried and the sampling plan was reviewed. A walk-through of the site was completed to compare the sampling plan and site layout and evaluate initial sampling locations. A random number generator was created in Microsoft Excel to locate wipe sampling locations on the internal walls of Building 117-2 where the system is located. No sampling was scheduled on the west third of Building 117-2 where the boilers are located as this area would not have been affected by the PODS operation.

The approximate locations for wall sampling as well as the tentative locations for floor sampling were marked. The sampling plan was reviewed and then sampling locations for specific equipment, as referenced in sampling plan, were designated.

On Wednesday, May 1, 2013, sampling wipes and containers were prepared, according to instructions from the analytical lab. Whatman #41 quantitative ashless filter paper was cut into 3-inch square sections. Clean Kimwipes were used to cover the cutting surface. Clean Nitrile gloves were donned and

then a stack of filters were removed from the packaging and placed on the wipes. A clean straight edge and clean razor knife were used to cut the stack of filter paper. After a square was cut out, the top and bottom two sheets were disposed of and the rest of the squares were placed in a new clean envelope. After the completion of cutting out the squares of filter paper, all sampling supplies were staged in a box for the start of the metals and explosive wipe sampling.

Gene Barry, a Nevada-registered Civil Engineer and Nevada Certified Environmental Manager (CEM), of 4LEAF, Inc. (4LEAF) was on site during the surface wipe sampling activities. MSE retained Mr. Barry to certify the temporary closure was conducted in accordance with the NDEP requirements. A walk through was conducted to have Mr. Barry review tentative sampling locations and an overview was provided on PODS operation and ordnance processing. Some sampling locations were adjusted slightly at the recommendation of Mr. Barry.

On Thursday, May 2, 2013, all sampling locations were labeled with white masking tape and 1-inch lettering. The PODS sampling plan and procedures were reviewed with Mr. Barry. A sampling grid in the control room was staged to verify there was an understanding of the wipe procedure and area to be wiped. A decision was made to conduct the explosive wipes first. Half face shields with organic cartridges were required to be donned by the sampler for this procedure according to the health and safety plan. At 0930 hrs, wipe sampling of the site for explosives was started. As wipe samples were completed, wipes were placed in an amber jar, and then the logbook was filled out with sample ID, location, and time. A label for each sample jar was filled out, as required, and the sample jar was placed in a cooler prepared with blue ice. Appendix C includes plan view drawings showing the location of the wipes. Photos of the initial sampling locations are in Appendix D.

The sampling of the surfaces of the air pollution abatement equipment (i.e., reheater and baghouse) located outside of Building 117-2 required the use of a man lift to obtain the samples. Therefore, it was decided that both the explosives and metals samples on these surfaces would be collected at the same time because the sample locations were difficult to reach and substantial effort was required to get the man lift into position.

At 1100 hrs, supplies for metal wipe sampling were staged, and metal wipe procedures were reviewed. At 1125 hrs, metal wipe sampling was started on the outside air pollution equipment. As metal wipe samples were completed, wipes were placed in a 1.5-ounce Snap Seal Lead Wipe Container with Lock, and the logbook was filled out with sample ID, location, and time. A label for each sample container was filled out, as required, and the sample container was placed in a cooler prepared with blue ice.

The explosives sampling was completed at 1200 hrs. At approximately the same time, the metals sampling using the man lift was completed. After lunch, metals wipe sampling continued and was completed at approximately 1508 hrs. Samples were placed in an on-site refrigerator labeled for sample storage.

Completed samples were double checked against the sampling plan and logbook to verify that all samples required were taken and labels on sample containers were correct. Containers were sealed with wax tape and returned to the on-site refrigerator. All samples were taken as required by the sample plan except the soil sample which would be taken the following day.

On Friday, May 3, 2013, the wipe samples were placed in coolers with blue ice and taken to Nevada Analytical Services. The samples were delivered at 1330 hrs. The chain-of-custody (COC) forms are found in Appendix E.

On Sunday, May 5, 2013, the photographs for the sampling location were compiled and their legibility was verified. The drawings were marked up to show the sampling locations.

On Monday, May 6, 2013, copies of the completed COC forms for the samples were delivered to SOC.

5.2 INITIAL SAMPLING RESULTS

MSE received the results of the initial sampling from SOC on May 28, 2013. A review of the results (Appendix F) showed only one sample, 22-M-A, had a concentration that exceeded hazardous waste criteria for metals. Explosives were not detected in any of the wipe samples. The one location noted for metals, directly under the plasma torch storage rack, had a reported lead concentration of 5.52 milligrams per liter (mg/L) and exceeded the Resources Conservation and Recovery Act (RCRA) toxicity characteristic leaching procedure (TCLP) limit of 5 mg/L. It was assumed that the concrete surface under the torch rack had become contaminated when plasma torches were placed in the rack and lead-bearing residues dripped onto the underlying concrete surface.

5.3 CLEANING AND RE-SAMPLING THE CONTAMINATED AREA

A plan for cleaning the area under the torch rack was drafted and discussed with SOC, ARDEC, and 4LEAF. It was decided that a 10-foot by 10-foot area of the concrete floor at and surrounding the original sample location 22-M-A would be pressure washed with water, acid treated, and pressure washed a second time. Wash water from these activities would be collected and sent to the WTS for treatment. Additional surface wipe samples would then be collected to determine the absence or presence of any remaining metals contamination.

On the morning of June 15, 2013, sampling materials were assembled and sample locations denoted as shown in Figure 5-1. The area was pressure washed, acid treated with dilute muriatic acid, and pressure washed again as per the cleaning plan. Figure 5-2 is a photo of the sample locations. Additional photos showing the sample locations are located in Appendix G.

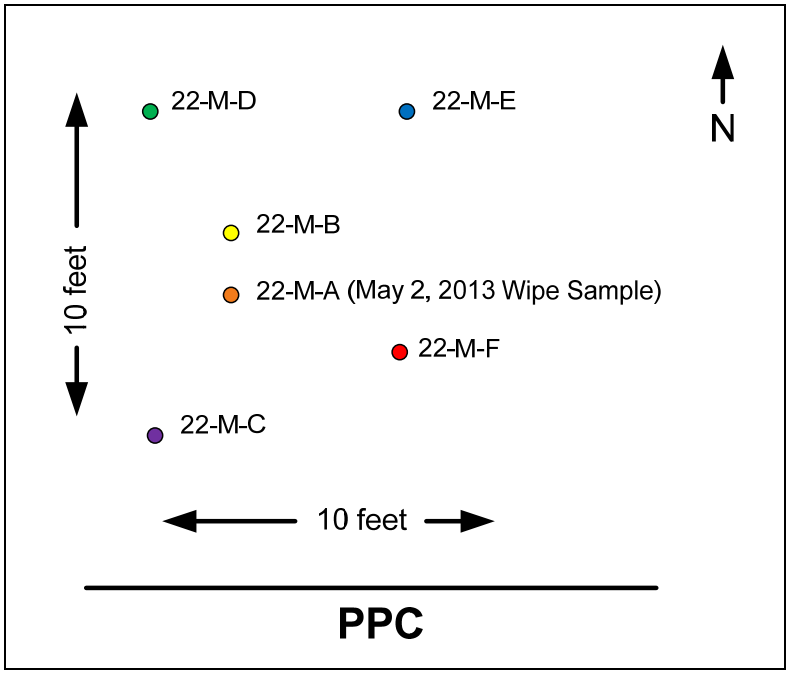

Figure 5-1. June 15, 2013 sample locations.

The following surface wipe samples were collected on June 15, 2013 from the cleaned area under the torch rack. All wipe samples were collected using ASTM International (ASTM) protocol D6966-08.

- #22-M-B, 0830 hrs, directly north and adjacent to 22-M-A (the sample location from 5/1/2013 that contained elevated concentrations of lead).
- #22-M-C, 0831 hrs, southwest corner of 10- by 10-foot area.
- #22-M-D, 0833 hrs, northwest corner of 10- by 10-foot area.
- #22-M-E, 0835 hrs, northeast corner of 10- by 10-foot area.
- #22-M-F, 0837, southeast corner of 10- by 10-foot area.

Sample labels were completed and placed on sample containers and placed in the sample refrigerator. The samples were delivered to the analytical lab on June 17, 2013 and analyzed for metals by TCLP extraction Method 1311 and the extract analyzed for RCRA 7 metals by Method 6010B and mercury by Method 7470A. The COC form for these samples is provided in Appendix H. The samples were analyzed with an expedited 24-hour turnaround. Results were received on June 18, 2013 and all results were non detect (Appendix I).

Figure 5-2. Photo of June 15, 2013 sample locations.

5.4 OTHER SAMPLING RESULTS

Sampling of the evaporation pond east of Building 117-2 was conducted on May 3, 2013. The sediment and salts that had accumulated on the surface of the high-density polyethylene (HDPE) liner of the evaporation pond was sampled to determine if hazardous metals were present. A composite sample was taken because this pond had gone through cycles where the bottom of the pond had been covered with water and had then dried; in addition, dirt and dust had blown into the pond. A sample was taken in each

corner and consisted of two scoops of soil approximately 4 ounces each. The first sample scoop was near the surface of the mound and the second scoop was at the same location, but near the pond lining at the bottom of the hole. This procedure was repeated at each corner with samples combined in one tray. At completion of the soil collection, the soil samples were homogenized and placed into two clean, laboratory-supplied amber jars. SOC completed the COC forms (Appendix J). The samples were placed in coolers with blue ice, taken to Nevada Analytical Services, and submitted for analysis of the RCRA 7 metals by TCLP extraction. Barium was the only metal detected in the two soil samples and the results were several orders of magnitude less than the barium TCLP regulatory limit of 100 mg/L. The results of the soil samples are provided in Appendix K.

After processing the wash and rinse water through the WTS, the filter press was unloaded and cleaned. Surface wipe test locations on the filter press plate fabric surfaces were selected and marked. Wipe samples were collected according to ASTM protocols. Two metal wipes and two explosives wipes were collected. Labels were completed, sample locations were photographed (Appendix L), and samples were placed in the sample storage refrigerator. COC forms were received from SOC, and the forms were completed for wipe samples and for accumulated water samples from the WTS. All samples were placed in a cooler for transport. The COC form is provided in Appendix M and laboratory results in Appendix N. All results for metals and explosives for the filter press surface wipe samples were non detect. Therefore, the filter press was covered and secured with plastic tarps and left in its normal configuration.

6. EQUIPMENT MAINTENANCE AND PRESERVATION

During and after cleaning and sampling, maintenance and preservation activities were performed on the PODS equipment to prevent deterioration. The goal of the preservation effort was to ensure that the system may be re-started within a two-year time period without replacement (due to deterioration) of any major process equipment. Furthermore, MSE evaluated all process equipment to determine whether any systems could not be re-started within the two-year time period.

The following preservation tasks were conducted:

- MSE determined that Johnson Controls was the authorized equipment vendor for the chiller. MSE contracted with Johnson Controls to evaluate the chiller, perform required maintenance, and preserve the chiller in an appropriate manner. The technician from Johnson Controls evaluated the chiller. At his recommendation, remaining water in the chilling loops was drained. At the end of the evaluation, the technician recommended that the oil and refrigerant be drained from the chiller and that the refrigerant loop be filled with nitrogen. This plan was approved and the technician performed the work. The chiller control panel was wrapped to prevent dust infiltration.
- Drains and drain plugs were opened in cooling water lines. Compressed air was introduced to blow out cooling lines and passages. Flanges were disconnected to allow water to drain out of pumps and low spots in the piping. After all water was drained from the system, blind flanges were installed to prevent water from inadvertently being introduced. It was determined that chemical preservatives were not necessary for proper layup.
- The diesel supply line to the secondary combustor was disconnected, drained, and plugged securely.
- The oxygen supply tanks had previously been removed by SOC. The oxygen supply line was capped securely.

- At the end of water treatment activities, all remaining water in the WTS was drained and sent to the evaporation pond. Lines were disconnected and flanges opened to allow residual water to be drained. The sand filter, tanks, and clarifiers were completely drained.
- The chemical day-tanks were drained and rinsed and the excess chemicals returned to the proper drums. The rinsate was sent to the WTS. The dry day tanks were then placed inside the facility.
- Vinyl covers were fabricated for the filter press, sand filter, tanks, and clarifiers. Hooks were welded to the outside of the vessels. The covers were installed to prevent rain water or dust from entering the system (Figure 6-1).
- Motors and pumps were rotated, to ensure that they had not seized, and were then lubricated.
- The vents and off-gas stacks were sealed or caps installed to prevent rainwater and dust infiltration (Figure 6-2).
- Electrical panels and motor control centers, except those with gasket sealing doors, were wrapped with plastic film. This was done to minimize dust infiltration.
- The torch port and camera port on the primary chamber were fitted with caps and sealed.
- The absorber column was evaluated and corrosion holes were discovered. These holes were filled with epoxy to allow the flushing of the tower packing. It should be noted that the lower absorber shell would need to be replaced before PODS operations could resume.

Figure 6-1. Water treatment system with covers installed.

Figure 6-2. Main stack with cap installed.

7. OTHER CLEANING AND MATERIALS DISPOSAL

MSE performed other cleaning of the PODS facility that was not directly associated with the sampling program. The upper floors were swept and vacuumed and walls brushed to remove dust, cobwebs, insects, and other debris. The soil feeder bins were emptied and the outside bin disconnected and set aside. The screw feeder was partially emptied and the open port covered with a metal plate. The soil and ordnance conveyors were vacuumed to remove dirt and dust. The slide gates were cleaned of residues.

Outside air pollution abatement equipment was brushed to remove any residues. The baghouse outlet was secured. Processing and air pollution abatement equipment inside Building 117-2 was power washed to remove dirt, dust, and other residues. The rinsate was sent to the WTS. Figure 7-1 shows the primary processing chamber (PPC) following cleaning.

The equipment in the facility basement and the concrete floors were power washed and all rinsate sent to the WTS. The floor sumps and pumps were flushed. Cleaning of the PODS facility basement is shown in Figure 7-2.

The secondary containment area for the WTS was swept of dirt and loose debris.

The filter bags from the baghouse were removed and placed in a hazardous waste drum provided by SOC. The drum was clearly labeled and SOC disposed of the drum.

The filter sludge that was generated during WTS operations was scraped and washed down into overpack drums provided by SOC. The sludge was allowed to dry and then was disposed of by SOC.

The surge tanks for treated water from the WTS were pumped down so that less than 3 inches of water remained in each. The treated water was sent to the evaporation pond.

Figure 7-1. PPC after cleaning.

All excess chemicals remaining at the end of WTS operations were labeled and staged in the designated storage area. The excess chemicals were then removed from the PODS facility and disposed of by SOC. Any empty chemical drums were triple rinsed and the rinsate sent to the evaporation pond. Empty drums were then labeled and placed in the designated storage area and later disposed of by SOC.

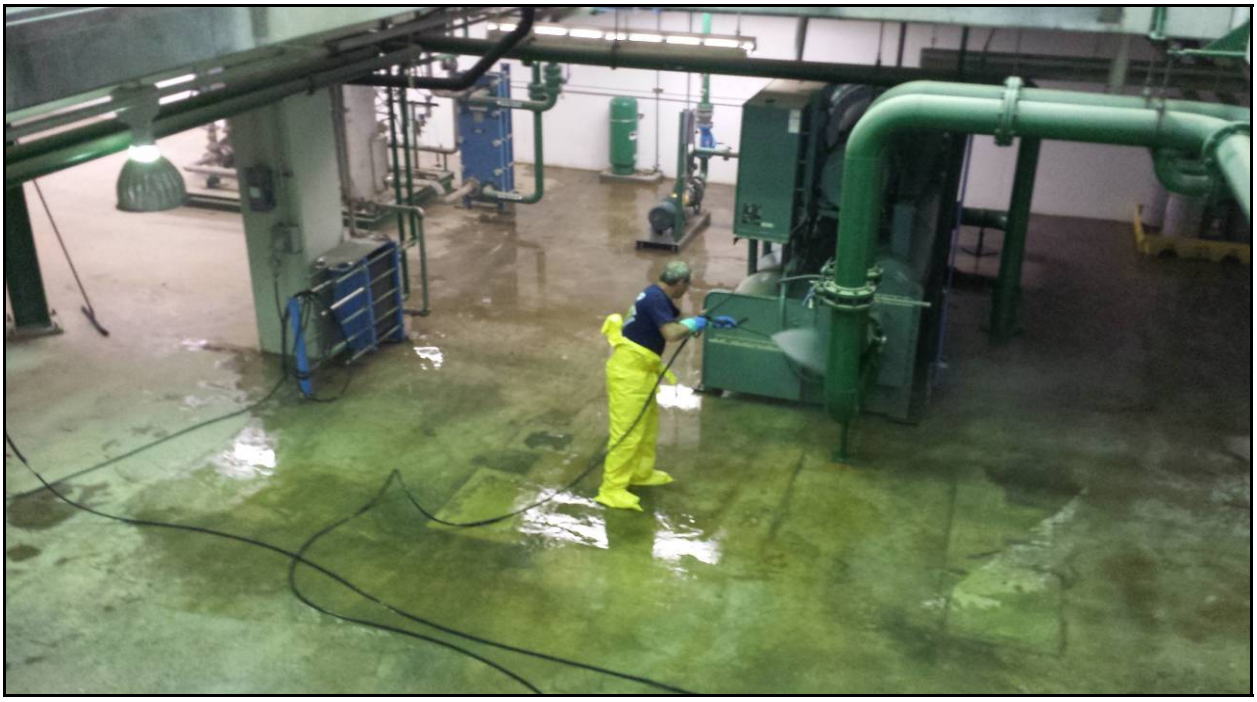

Figure 7-2. Cleaning the basement of the PODS facility.

8. CONCLUSIONS

All activities outlined in this Closure Report were performed in accordance with the four performance standards listed in Section 2 of the NDEP-approved Temporary Closure Sampling Plan (prepared by Coterie and dated April 2013) and those performance standards have been met. A review of the results for samples collected verified that cleaning procedures were effective and that no hazardous residues are present on the exterior surfaces of the processing equipment inside the facility, the air pollution control equipment located outdoors, the WTS filter press, and the walls and floors of the PODS building.

Only one surface wipe sample had a concentration of lead that exceeded the RCRA TCLP regulatory limit of 5 mg/L and explosives were not detected in any of the surface wipe samples. Knowledge of operational history of the PODS facility provided an explanation for the localized lead contamination that was identified on the concrete floor surface beneath the plasma torch rack. The area of surface contamination was successfully cleaned by pressure washing the surface with water, scrubbing with muriatic acid, and performing a final rinse with a pressure washer. Confirmation surface wipe samples were collected and a review of the sample results confirmed that the lead contamination was successfully removed from the floor's surface. The May 2013 sampling effort was highly beneficial by focusing the clean-up on one small area of surficial contamination and allowing more efficient cleaning of the facility. The metals results for the soil samples collected from the residues accumulated in the evaporation pond were less than the RCRA TCLP regulatory levels; therefore, a decision was made to leave those residues in place. The primary objectives of the temporary closure plan have been met.

The WTS was successfully restarted after repairs and maintenance concluded. The system operated nominally and the cleaning fluids were treated and discharged appropriately to the evaporation pond. The absorber and quencher packing were triple rinsed and the rinsate sent to the WTS. The tanks and clarifiers were drained at the end of WTS operations and the system secured and covered to prevent rainwater and dirt from entering the open vessels. The filter press was wipe sampled and the results showed no hazardous residues. The filter press was also covered with plastic tarps.

The PODS facility equipment has been sealed or secured in accordance with the temporary closure plan, to prevent the release of any hazardous materials that may be contained inside the PODS facility's equipment and piping during the temporary closure (excluding unforeseen potential damages to the PODS facility due to natural disasters).

Excess chemicals were consolidated and staged for removal. SOC removed the excess chemicals from the PODS facility. Other tanks and materials were removed or disposed in accordance with all Federal and State of Nevada requirements. Housekeeping was conducted and completed. Openings to the process equipment were covered and sealed. The process equipment was maintained, drained, and lubricated. At the end of the project, the facility was left in a secure, non-hazardous condition that will minimize deterioration of the equipment and allow an orderly restart if conditions warrant.

APPENDIX A

NDEP Temporary Closure Authorization Letter

ndep
NEVADA DIVISION OF ENVIRONMENTAL PROTECTION
protecting the future for generations

STATE OF NEVADA
Department of Conservation & Natural Resources
DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor
Leo M. Drozdoff, P.E., Director
Colleen Cripps, Ph.D., Administrator

April 29, 2013

Mr. Kirk Bausman
Deputy to the Commander
1 South Maine Avenue
Hawthorne, NV 89415-9404

RE: Notice of Approval – Temporary Authorization Request for PODS Temporary Closure Plan
EPA ID# NV1210090006 **RCRA Permit NEVHW0017**

Dear Mr. Bausman:

The Nevada Division of Environmental Protection – Bureau of Waste Management (NDEP-BWM) has reviewed the temporary authorization request dated April 24, 2013, as submitted by the Department of the Army to proceed with the Temporary Closure of PODS at the Hawthorne Army Depot – Main Base (HWAD-MB) facility located in Hawthorne, Nevada. A detailed Temporary Closure Plan was provided as part of the RCRA Permit renewal application for the HWAD-MB facility, and the NDEP-BWM understands that the temporary authorization is necessary at this time to facilitate timely implementation of the temporary closure of PODS.

Pursuant to 40 CFR 270.42(e)(2)(iii), notice of the temporary authorization request was sent by HWAD-MB on April 24, 2013 to all persons on the facility mailing list (*copy attached*). Based upon the provided information and in accordance with 40 CFR 270.42(e)(3)(ii)(A), the NDEP hereby approves the HWAD-MB temporary authorization request to implement the PODS Temporary Closure Plan. In accordance with 40CFR 270.42(e), this temporary authorization is effective for 180 days. All accumulated wastes from the implementation of the PODS Temporary Closure Plan are to be managed as hazardous waste unless laboratory analysis determines the specific waste to be non-hazardous.

If you have any questions regarding this matter or if we may be of any other assistance, please contact Maureen Godbout at (775) 687-9482, or me at (775) 687-9465.

Sincerely,

M. Leigh

Mike Leigh, P.E.
Supervisor, RCRA Facilities Branch
Bureau of Waste Management

ML/MG

Enc: HWAD-MB Public Notice

ec: Eric Noack, Chief, NDEP-BWM
Maureen Godbout, RCRA Facilities Branch
Yvonne Downs, Manager, Environmental Services: Yvonne.m.downs2.ctr@mail.mil
Lonnie Brown, Environmental Services: Lonnie.d.brown.ctr@mail.mil
Manny Bay, Supervisor Environmental Protection Specialist, ACO: Manolo.b.bay.civ@mail.mil
Chuck King, Environmental Protection Specialist, ACO: Charles.r.king104.civ@mail.mil

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PUBLIC NOTICE

Temporary Authorization for RCRA Permit Modification
Hazardous Waste Management Permit No. NEV0017

Hawthorne Army Depot – Main Base Facility
Hawthorne, Nevada

In accordance with 40 CFR 270.42(e)(2)(iii), the Hawthorne Army Depot (HWAD) hereby provides notification to all persons on the mailing list maintained by the Nevada Division of Environmental Protection (NDEP) of the facility's request for a modification of the hazardous waste management permit for the HWAD Main Base Facility located in Hawthorne, Nevada.

HWAD has submitted a temporary authorization request to the Nevada Division of Environmental Protection (NDEP) to implement a Temporary Closure Plan for the Plasma Ordnance Demilitarization System (PODS). The PODS unit, which is located in the North Magazine area of HWAD, was designed to safely destroy a wide variety of obsolete and unserviceable munitions, contaminated soils, scrap metal and other RCRA wastes that could not be reduced, reused, or recycled. Due to funding cuts, the PODS unit is currently not operating; nor is it anticipated that its operation will resume for several years. As such, the US Army has made the determination to place PODS into temporary closure, beginning May 1, 2013.

Authorization of the PODS Temporary Closure Plan will allow for cleaning of the facility and removal all wastes and reagents to reduce the likelihood of release of any contaminant while the PODS unit is not operating. Confirmatory sampling will be conducted to verify that all surfaces are clean, and a closure report will be issued to certify that all temporary closure measures were completed for the PODS unit.

The RCRA Permit, Permit Renewal Application, Temporary Authorization request, and supporting documentation regarding the PODS Closure Plan are available for review at:

Nevada Division of Environmental Protection
Bureau of Waste Management – RCRA Facilities Branch
901 S. Stewart Street, Suite 4001
Carson City, Nevada 89701

Additional information is also available in the public records section of the Hawthorne Public Library, or by contacting the persons listed below:

NDEP - RCRA Facilities Branch:	Maureen Godbout	(775) 687-9482
SOC Nevada LLC Environmental Services:	Yvonne Downs	(775) 945-7583
HWAD Administrative Contracting Officer:	Chuck King	(775) 945-7317

APPENDIX B

Field Logbooks

Pre-Sampling Log

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LOG BOOK #

4-29-2013 08:00 Inventoried sampling supplies
09:00 Started selecting presampling locations
Walls - used a random number generator in MS Excel (TM) to select sampling locations.
Sampling plan says to distribute samples over the two walls closest to the PODS equipment.
North wall & South wall selected.
Length of walls ≅ 88 feet
Height of basement walls ≅ 11 feet
Height of main floor walls ≅ 15 feet
Height of upper floor walls ≅ 27 feet.
Random numbers generated within the wall dimensions, ~~if~~ both x and y to the nearest 1 foot. If the location is inaccesible, generate a new random number for the ordinate that is a problem.
x origin is at left edge as you face the wall.
Presampling Coordinates

Basement Floor	Metals + Hg	Explosives
North Wall	(25, 3)	(93, 1)
South Wall	(3, 10)	(46, 2)

Main Level	Metals + Hg	Explosives
North Wall	(13, 2)	(69, 8)
South Wall	(68, 5)	(98, 1)

Upper Level	Metals + Hg	Explosives
North Wall	(83, 14)	(9, 23)
South Wall	(36, 2)	(59, 8)

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LOG BOOK #

Bas House
Tentative sampling locations;
1 Metals + 1 Explosives on top flat surface
1 Metals + 1 Explosives on door
1 Metals + 1 Explosives on spool section
1 Metals + 1 Explosives on funnel section

Feed Conveyors - tentative locations
1 Metals + 1 Explosives in pockets of east conveyor
1 Metals + 1 Explosives on metal tail pulley cover of west conveyor

SCR Reheater - tentative locations
1 metals + 1 explosives on lower section
1 metals + 1 explosives on upper section

SCR Catalytic Reactor - tentative locations
1 metals + 1 explosives on east end top
1 metals + 1 explosives on west end top

Process Equipment - tentative locations
1 metals + 1 explosives on dome of primary
1 metals + 1 explosives on secondary below pipe joint.
1 metals + 1 explosives on quencher below pipe joint.

Building Floor Main Level - tentative locations
1 metals + 1 explosives 10' west of primary
1 metals + 1 explosives 10' south of primary between the power supplies
1 metals + 1 explosives east of primary under the secondary combustion chamber.

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LOG BOOK #

Building Floor Basement - tentative sampling locations

1 metals + 1 explosives 2' South of slag cart door, South side.
1 metals + 1 explosives on stained area 5' South of absorber skid
1 metals + 1 explosives on floor near transformer, north of quench water tank

5-1-2013 Prepared explosives sampling wipes. As per instruction from analytical lab, cut 3" square sections of Whatman # 41 Quantitative ashless filter paper. Clean wipes were used to cover the counter. A new clean knife and metal ruler were used and clean nitrile gloves. After cutting the top and bottom two sheets were discarded and the prepared wipes placed in a new, clean envelope.
16:45 Gene Barry, P.E arrived on site Examined each sampling location and made adjustments as necessary.
Left site @ 18:15

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LOG BOOK #

5-2-13 07:45 Arrived on site reviewed and labeled all pre sampling location with Masking Tape labels.

09:30 Started wipe samplings

EXPLOSIVES

	Sample ID	Location	Time
	23-E-A	Blank	15:05
	25-E-A	Blank	15:05
	24-E-A	Blank	15:05
	37-E-A	Feed Conveyor	10:02
	26-E-A	Furnace Dome	10:13
	27-E-A	SCC Inlet	10:15
Duplicate	5-E-A	Baghouse Bottom	11:51
	1-E-A	Baghouse Top	12:01
	2-E-A	Baghouse Door	12:04
	21-E-A	Floor Basement Slag Door	10:34
	38-E-A	Feed Conveyor #2	10:05
	8-E-A	SCR	11:42
	28-E-A	Absorber Surface	10:41
	10-E-A	North Basement Wall	10:46
	22-E-A	Torch Rack Floor Basement	10:39
	3-E-A	Baghouse Middle	11:54
	7-E-A	Reheater Top	11:25
	17-E-A	Main Floor North	10:20
	14-E-A	Upper Level North Wall	9:52
	15-E-A	Upper Level South Wall	9:59
	13-E-A	Main Level South Wall	10:20
	16-E-A	Main Floor South of FFC	10:09
	4-E-A	Baghouse Bottom	11:49
	6-E-A	Reheater Bottom	11:36
	11-E-A	Basement Wall South	10:49
	9-E-A	SCR Skid	11:46
	20-E-A	Quencher Floor Drain Basement	10:43

LOG BOOK #

	Sample ID	Location	Time
	12-E-A	Main Level North Wall	10:25
Duplicate	19-E-A	Main Level North of PPC	10:22
	18-E-17	SCC Floor by Inlet Main	10:17
		METALS	
	12-M-A	Main Level North Wall	14:22
	15-M-A	Upper level South Wall	14:09
	9-M-A	SCR Skid	11:47
	8-M-A	SCR	11:43
	25-M-A	Blank	15:08
	24-M-A	Blank	15:08
	6-M-A	Reheater Bottom	11:39
	13-M-A	Main Level South Wall	14:37
Duplicate	5-M-A	Baghouse Bottom	11:52
	10-M-A	Basement North Wall	14:44
	23-M-A	Blank	15:08
	38-M-A	Soil Conveyor	14:15
	21-M-A	Basement Floor Slag Door	14:42
	26-M-A	Primary Chamber	14:30
	37-M-A	Feed Conveyor #1	14:12
	18-M-A	Main Floor under SCC	14:36
	2-M-A	Baghouse door	12:04
	28-M-A	Absorber	14:46
	7-M-A	Reheater Top	11:25
	20-M-A	Basement Floor Drain	14:40
	16-M-A	Main Floor South of PPC	14:26
	22-M-A	Basement Floor under torch	14:42
	17-M-A	Main Floor North of PPC	14:16
	27-M-A	SCC In	14:32
Duplicate	19-M-A	Main Floor North of PPC	14:18
	1-M-A	Top of Baghouse	12:01
	4-M-A	Baghouse Bottom	11:50
	3-M-A	Baghouse Middle	11:55
	11-M-A	Basement Level South Wall	14:50
	14-M-A	Upper Level North Wall	14:06

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LOG BOOK #

As per instruction of Gene Barry, P.E., did not tape template at each location. Instead, practiced with template to repeat 100 cm² sample area. Then followed ASTM wipe pattern.

Finished sampling at 15:08. Double checked sample inventory when sealing the bottles.

Photographed each location.

5-3-13 sampled evap. pond @ 8:15 take two 4+oz scoops of dirt from each of the four corners mixed dirt and placed sample in two Bottles Labled 50-M-A Evap pond and 51-M-A Evap pond

Ran samples up to Lab dropped samples of @ 13:30 on 5-3-13

ACTIVITY LOG

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LOG BOOK #

PODS Temporary Closure

4-29-2013 Traveled to Hawthorne, NV.

4-30-2013 07:45 Badged in, arrived at PODS
08:00 Unloaded tools, equipment. Inventoried supplies
09:00 Began repairs to WTS
15:00 Brought on-line the computer control system, plant air, plant water
15:30 Started to fill the sump by adding water at the top of absorber column. A leak was discovered near the bottom of the absorber. Turned on re-circulation pumps for the absorber. Aligned the absorber level control valve, allowing water to be pumped to the water treatment equalizer tank. Started connecting the day tanks ~~to the~~ pumps and instrumentation.
18:00 Quit for the day

5-1-2013 07:45 Arrived on site, inspected pinholes in absorber. Restarted pump to remove any excess water. Continued connecting instrumentation & pumps on WTS. Prepared wipes,

08:30 Cleaned around holes in absorber, determined that no more water was leaking. Mixed epoxy patch and applied.

09:30 Technichian from Johnson Controls arrived to evaluate chiller. Drained remaining water from the chiller loops.

10:30 Johnson controls continued evaluating chiller. It was recommended to remove the refrigerant and replace with nitrogen.

LOG BOOK #

13:00 Continued repairs on WTS. Evaluated removing sand from the sand feeder system. Found that the display in LP-15 cabinet has malfunctioned and would need replacement. 18:00 WTS repair crew left site

5-2-13 07:45 crew #1 continued repair on WTS chem Lines and verifyed that HoffLand controls were working properly." need to replace one ph probe" all Metering pumps cycled" need to repair Level sensor" crew #2 started sampling see Log for sampling completed crew Left site at approx. 18:00

5-3-13 07:15 continued work on WTS, checked sump for additional Leaks found two More one on East side of sump other on Drain Line Repaired both with epoxy. sampled dirt in pond see sampling for details left for Reno with samples @ 11:15 dropped of sample @ 13:30 stoped @ 2 hardware stores to find sch 80 pipe no Luck

5-4-13 07:00 completed repairs on chem Line pressure tested with plant water in garden hose started Rolling tanks with water started check out on filter press started check out on Metering pumps all ck valves need to be cleaned started Lay out of hooks for cover on tanks

5-5-13 verifyed pic on camera for ledge aLibety verifyed all sample Location were Marked

on drawings, reviwed scope of work

5-6-13 07:00 stoped @ Lannie to drop off copy of Chain of custody from Friday, Recived Hot work permit arived @ site 8:30 started work on metering pump and layout of hooks on clarifyers

5-7-13 07:05 worked on hooks on tanks, continued work on metrance on metering pumps, using parts from good pumps to ck out pumps missing parts, completed chemical injection to water treatment need to replace some parts. Johnson controls showed up Removed refrigerant and filled with N_2 Left refrigrant on site (Need to anchor tanks to wall) cleaned sump of solids 10 5gl buckets

12:30 started Removing bags from bag house bags felt damp had to cut bags from cages total 19 cages 8 of the 19 bags had tears in them the other bags had 8" to 18" of dust in the bottom placed bags and contents in industrial plastic bag and placed near CIMS

5-8-13 07:10 painted arce hooks were placed on tanks started filling crome Reduction tank with garden hose Let fill through system till first High pH Clarifyer tank had 4' water 11:30 started filling neutralization tank 3 throug system to Second Clarifyer tank had 4' water

~~4:00~~ started pumps to filter press from Clarifyer 1 shut off valve post pump Leaked repaired

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PAGE

LOG BOOK #

Ran half of water though filter press and back to equlization tank.
4:00 started pump on 2nd Clarifyer tank flange coming out of tank was cracked and leaking emptyed pump through filter press to equilization tank. connection between pump A & B Broke repaired removed flange will Repair when we get back to Lathe

Rest of the day worked on sump pumps in basement, worked on DI pump, routed misc path for pump to pond, emergency eye wash @ water treatment freezz and back removed and capped Line to pressurize water to water treatment system. started Loading truck

5-9-17 finished Loading truck sent all sump wate to water treatment system shut down electrical and valved out water shut down computers

PODS Temporary Closure

1 PAGE

LOG BOOK #

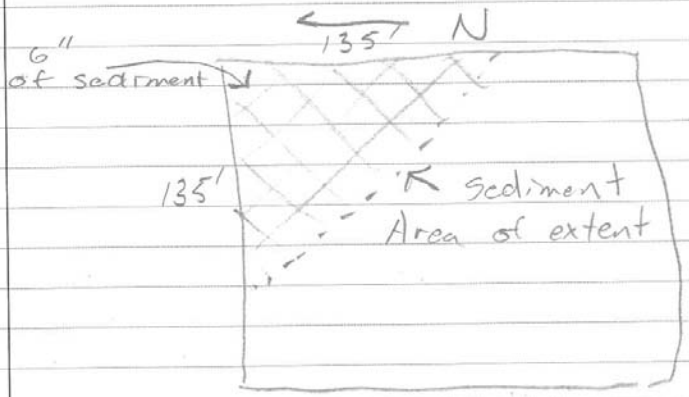
6-10-13 Mobilized equipment, tools, and materials to Hawthorne.

6-11-13 Dennis Rigby arrived on site @ 7AM Unloaded tools and equipment. Began repairs to WTS piping that were identified during first trip. Reinstalled the broken eye-wash station, Began sweeping. Martin Moe and Steve Antonioli arrived @ 2 PM, Cleaned areas around main floor electrical equipment and began covering with plastic. Installed the pH and ORP probes in WTS and began troubleshooting. Left site @ 5 PM

6-12-13 Arrived on site @ 7:30 AM, Continued cleaning of main floor & covering electrical equipment, Finished troubleshooting on WTS and began calibrations of control system. Yvonne Downs arrived on site. We discussed the cleaning, waste issues, and removal of excess chemicals. Yvonne provided clarification that only the basement floor required power washing. Agreed to brush & sweep upper levels and wash down process equipment. Therefore, discontinued covering of electrical equipment, Swept & vacuumed main floor. Brushed & vacuumed upper walls & windows. Swept & vacuumed feed handling area. Contacted SOC again for forklift. Added lime, polymer, and metabisulfite to WTS tanks. Flushed absorber packing (1st rinse). Left site @ 5 PM

LOG BOOK #

6-13-13 Arrived on site @ 7:30 AM. Found that the forklift had been delivered, Swept & vacuumed equipment areas around PPC & SCC, and control room. Consulted with Greg West regarding evaporation pond clean-up. Decided to measure sediment volume.



Calculated volume = (135' x 135') ÷ 2 x $\frac{.5'}{2}$ = 2278 ft³

$\frac{2278\ ft^3}{27\ ft^3/yd^3} = 84.38\ yd^3$

Sent a message to Waters Vacuum Service asking for a revised quote based on this volume. Met with Yvonne Downs regarding pond issue and updated her on progress. Received clarification on chemical disposal. R Inquired as to delivery of waste boxes. Moved chemical barrels, loaded, acid, ferric chloride, & caustic. Rinsed barrel Troubleshot the sand conveyor. Started conveyor & ran in reverse. Vibratory feeder not working so manually emptied inside bin. Removed approx. 2/3 drum of sand (soil).

LOG BOOK #

6-13-13 (cont.) Removed bolts connecting outside sand bin from screw feeder. Cut anchor bolts. Informed lab of sample delivery on 6-17-13. Left site @ 5 PM

6-14-13 Arrived on site @ 7:30 AM. Swept & vacuumed basement. Removed trash from basement. Washed PPC, SCC, and absorber/quencher. Washed basement equipment. Used power washer to clean basement floor. Drains were plugged. Improvised a jetting tip for cleaning drains. Finished washing basement floor. WTS running during this time. Mixed muriatic acid and used spray bottle to acid wash area under torch rack, ~ 100 ft^2. Power washed again, neutralized with lime and power washed third time. Removed excess water and used fan to dry area.

Installed caps on two stacks. Cleaned secondary containment for WTS. Brushed outside PC equipment and concrete.

Left site @ 4 PM

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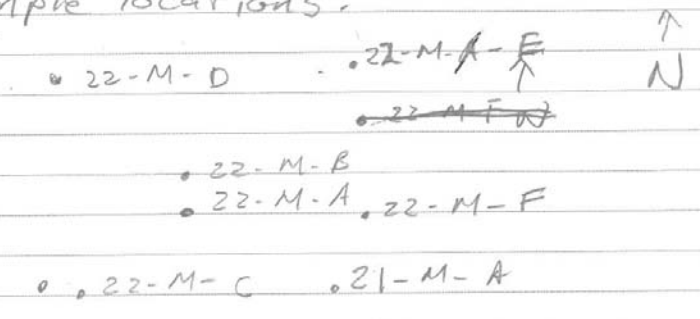
PAGE

LOG BOOK #

Arrived on site @ 8 AM

6-15-13 Assembled sampling materials laid out sample locations.



PPE

Collected the following samples from acid washed area under the torch rack.
Time: 08:30
22-M-B, adjacent to 22-M-A. Collected using ASTM protocol D6966-08.

22-M-C, Time 08:31, SW corner of area
22-M-D, Time 08:33, NW corner of area
22-M-E, Time 08:35, NE corner of area
22-M-F, Time 08:37, SE corner of area

Bottles marked with sample ID. Placed in sample refrigerator.

To be analyzed for metals by method 6010 B and Hg by 7470 A.

LOG BOOK #

6-15-13 (cont) Drained diesel line. Continued running WTS. Disposed of Kaolin, Took torches out of rack and placed in torch box. Removed refrigerant drums (empty), tanks, chiller oil and secondary containment from basement. Staged these items by east doors. Began draining down all water lines in the system. Continued draining system and performing pump adjustments. Inventoried valves that will need to be switched if the system is brought on-line in the future. Left system draining overnight with automatic sump pump operating. Left site @ 4:00 PM

6-17-13 Arrived on site @ 7:30 AM. Found that water was on the basement floor and that the WTS secondary containment was full. Discovered that the main water supply valve was leaking by and getting water in to the system. Worked on the valve and got it completely shut-off. Discussed the situation with Greg West & Yvonne Downs. Decided to pump the secondary containment into the WTS and treat before discharge. Began pumping to pond @ 10:25. Samples taken before discharge (10:03). 11:[illegible] out outfall [illegible] to pond sample took @ 11:40-. Continued to treat water all afternoon, sampling each batch before discharging to ponds. Left for Reno @ 12:30 arrived at Nevada Analytical @ 3:00. Dropped off samples and returned to Hawthorne @ 5:30 Dennis & Martin also drained and blew out system. Power supplies blown out. Left site @ 5:00 PM.

6-18-13 Arrived on site @ 6:00 AM, started the WTS and continued treating water from secondary containment. Reversed the soil feeder and attempted to remove sand in the feeder but screw kept binding. Began wrapping electrical equipment. Were informed by lab that wipes came back in compliance for metals at 3:10 PM. Started to send another batch of water to pond but found the pump seals were leaking. Continued pumping with leak. Started draining chemicals from day tanks. Removed quencher sludge from basement and placed in appropriate barrel. Continued general housekeeping. Used sweeping compound to clean dust from floors. Left site @ 5:00 PM.

6-19-13 Arranged for a walk-through with SOC & ARDEC. Arrived on-site @ 7:00 AM. Continued pumping treated water to pond, pump still leaking. Continued draining day tanks. At 9:00, Yvonne Dawas & David Strickland arrived. Walked through facility. Identified a few areas that required additional housekeeping. Discussed the staging and storage of waste, materials and excess chemicals. Joined by Greg West @ 9:30. Continued discussions. After walk-through, began draining large clarifier. Determined that pump was not working acceptably. By-passed the pump to allow discharge to pond of treated water

LOG BOOK #

during pump repairs. Located a spare pump. Went to the hardware store for parts. Installed pump. Left site @ 6:PM for supper, returned @ 8 PM to check system. Left @ 8:30 PM.

6-20-13 Arrived on-site @ 7:30 AM. Checked levels in clarifiers. Continued wrapping electrical. Moved day tanks inside. Staged all remaining items. Washed down filter press sludge into yellow overpack drums. Left drums in secondary containment. Wipe test locations on filter press leaves were selected and marked. Wipe samples were collected according to ASTM protocols. 2 metals wipes and 2 explosives wipes collected. Completed labels, photographed locations, and placed samples in the sample storage refrigerator. Received chain-of-custody forms from SOC. Completed the forms for wipe samples and for accumulated water samples from WTS. Made contact with lab to ensure they would be there for dropping off samples. Put away tools and equipment. Finished disposing of garbage. Turned off pump. Approximately 4 feet of water remaining in small clarifier. Will discharge during next trip. Placed all samples in cooler for transport. Loaded truck. Left site @ 1:00 PM. Drove to Reno & delivered samples. Wrote to SOC & ARDEC to update status.

6-21-13 Returned to Butte.

LOG BOOK #

8-4-13 Mobilized, traveled Butte → Elko

8-5-13 Arrived on site @ 11:45. Badged in and arrived at 117-2 @ 1:00 PM. Began transferring water from small tank and mixer to small clarifier. Finished transfer and began sending water to storage tank #1 in basement. Unloaded tools & materials. Sorted tank covers and began installing. Fabricated a cap for torch opening & installed. Cleaned up sludge and transferred to one overpack.

Left site @ 4:55 PM.

8-6-13 Continued sending water to basement. Continued installing covers. Swept the secondary containment area. Installed cap on main stack. General housekeeping. Met with Yvonne Downs and walked through the facility. Yvonne pointed out that the tanks in the basement needed to be brought down to less than 3 inches remaining in the bottom. We delivered a pair of water discharge samples to her. No other issues were raised. Sent remaining water to basement. Pumped the holding tanks to the pond. Removed excess water from tanks to less than 3". Finished installing covers. Swept the control room & mopped the floor. Wiped down the control cabinets. Loaded truck. Met with Dave Strickland and walked through facility. Installed cover on sand feeder. Reviewed and completed the check-list.

LOG BOOK #

Wrapped remaining electrical gear and collected trash. Marked barrels as empty. Loaded coolant tanks. Loaded tools & excess cleaning supplies.

Left site @ 4:30 PM.

8-7-13 Returned to Bothe.

APPENDIX C

Plan View Drawings of Sample Location

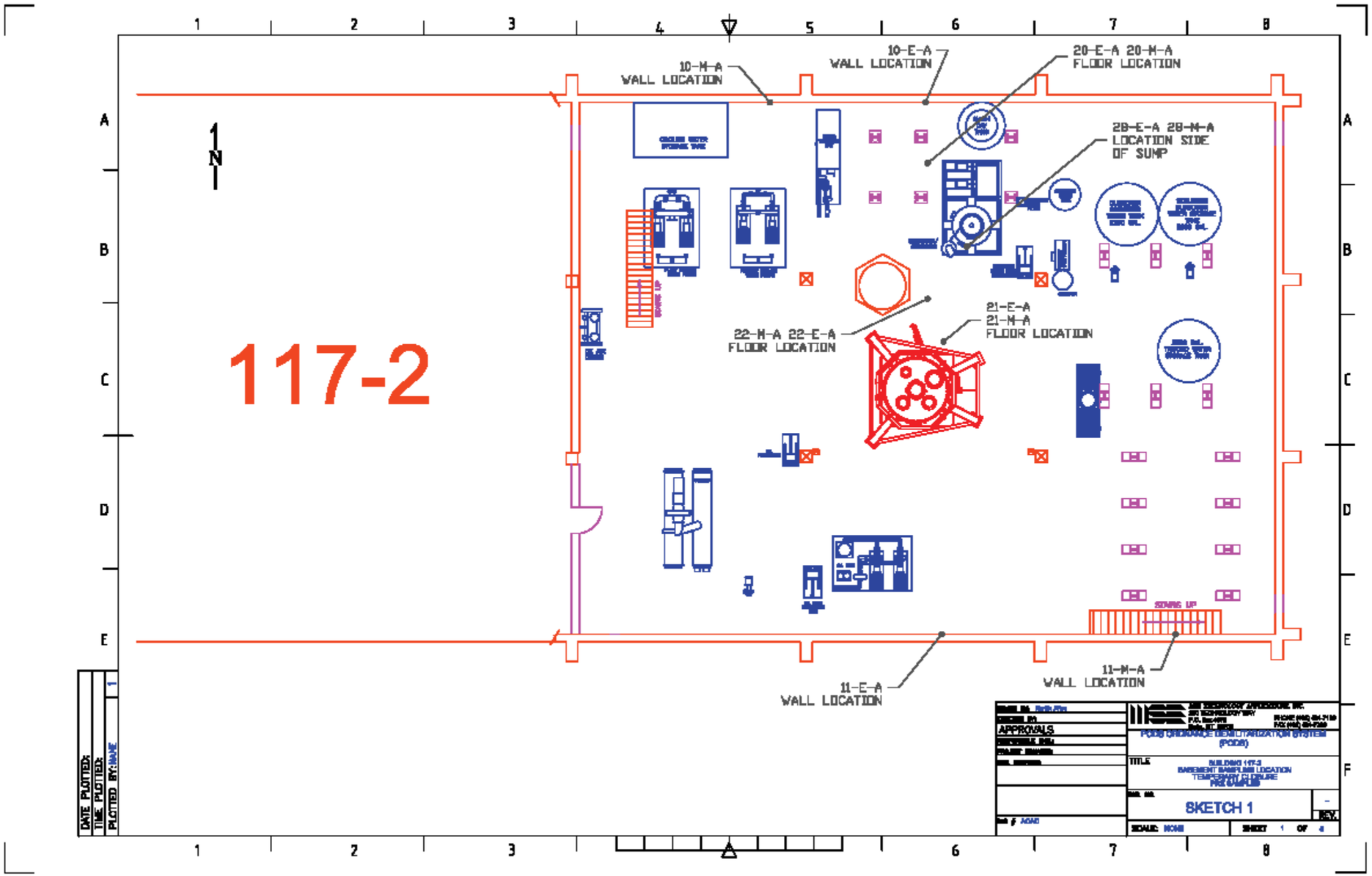
SAMPLE LOCATION ON DRAWING

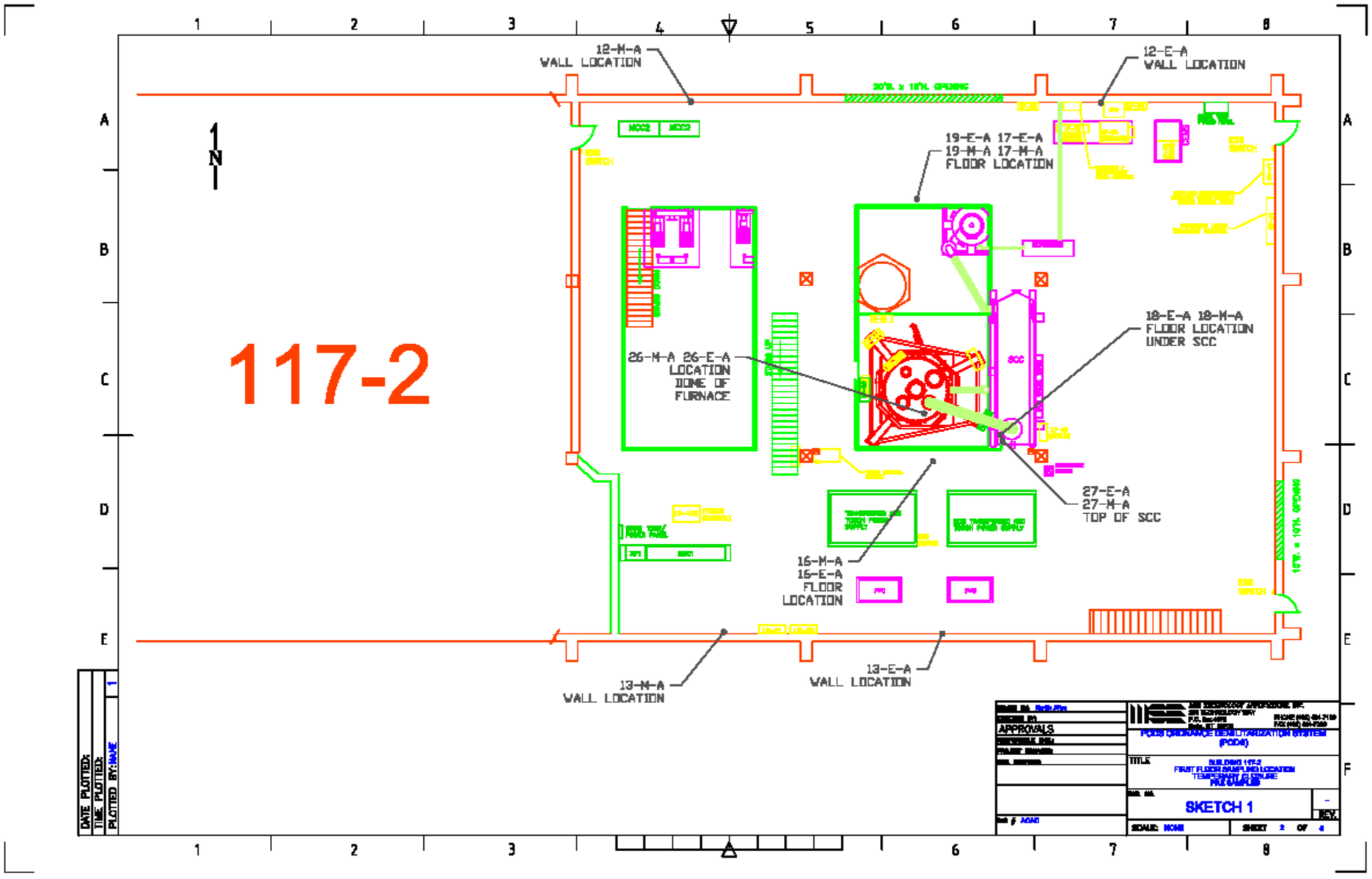
SAMPLE ID	DRAWING NUMBER	DRAWING SHEET	DRAWING TITLE	LOCATION
1-E-A	SKETCH 1	3 of 5	First Floor Pad	Top of Bag House
1-M-A	SKETCH 1	3 of 5	First Floor Pad	Top of Bag House
2-E-A	SKETCH 1	3 of 5	First Floor Pad	Door of Bag House
2-M-A	SKETCH 1	3 of 5	First Floor Pad	Door of Bag House
3-E-A	SKETCH 1	3 of 5	First Floor Pad	South Side of Bag House
3-M-A	SKETCH 1	3 of 5	First Floor Pad	South Side of Bag House
4-E-A	SKETCH 1	3 of 5	First Floor Pad	South Side Cone of Bag House
4-M-A	SKETCH 1	3 of 5	First Floor Pad	West Side Cone of Bag House
5-E-A	SKETCH 1	3 of 5	First Floor Pad	South Side Cone of Bag House
5-M-A	SKETCH 1	3 of 5	First Floor Pad	West Side Cone of Bag House
6-E-A	SKETCH 1	3 of 5	First Floor Pad	Bottom Side of Reheater
6-M-A	SKETCH 1	3 of 5	First Floor Pad	Bottom Side of Reheater
7-E-A	SKETCH 1	3 of 5	First Floor Pad	Top Side of Reheater
7-M-A	SKETCH 1	3 of 5	First Floor Pad	Top Side of Reheater
8-E-A	SKETCH 1	3 of 5	First Floor Pad	Top of Nox Catalyses
8-M-A	SKETCH 1	3 of 5	First Floor Pad	Top of Nox Catalyses
9-E-A	SKETCH 1	3 of 5	First Floor Pad	Top of Nox Skid
9-M-A	SKETCH 1	3 of 5	First Floor Pad	Top of Nox Skid
10-E-A	SKETCH 1	1 of 5	Basement	North Wall
10-M-A	SKETCH 1	1 of 5	Basement	North Wall
11-E-A	SKETCH 1	1 of 5	Basement	South Wall
11-M-A	SKETCH 1	1 of 5	Basement	South Wall
12-E-A	SKETCH 1	2 of 5	First Floor	North Wall
12-M-A	SKETCH 1	2 of 5	First Floor	North Wall
13-E-A	SKETCH 1	2 of 5	First Floor	South Wall
13-M-A	SKETCH 1	2 of 5	First Floor	South Wall
14-E-A	SKETCH 1	4 of 5	Mezz Level	North Wall
14-M-A	SKETCH 1	4 of 5	Mezz Level	North Wall
15-E-A	SKETCH 1	4 of 5	Mezz Level	South Wall
15-M-A	SKETCH 1	4 of 5	Mezz Level	South Wall
16-E-A	SKETCH 1	2 of 5	First Floor	Floor South of Furnace
16-M-A	SKETCH 1	2 of 5	First Floor	Floor South of Furnace
17-E-A	SKETCH 1	2 of 5	First Floor	Floor North of Furnace
17-M-A	SKETCH 1	2 of 5	First Floor	Floor North of Furnace
18-E-A	SKETCH 1	2 of 5	First Floor	Floor Under SCC
18-M-A	SKETCH 1	2 of 5	First Floor	Floor Under SCC
19-E-A	SKETCH 1	2 of 5	First Floor	Floor North of Furnace
19-M-A	SKETCH 1	2 of 5	First Floor	Floor North of Furnace
20-E-A	SKETCH 1	1 of 5	Basement	Floor North of Quencher
20-M-A	SKETCH 1	1 of 5	Basement	Floor North of Quencher
21-E-A	SKETCH 1	1 of 5	Basement	Floor North of Furnace Slag Door

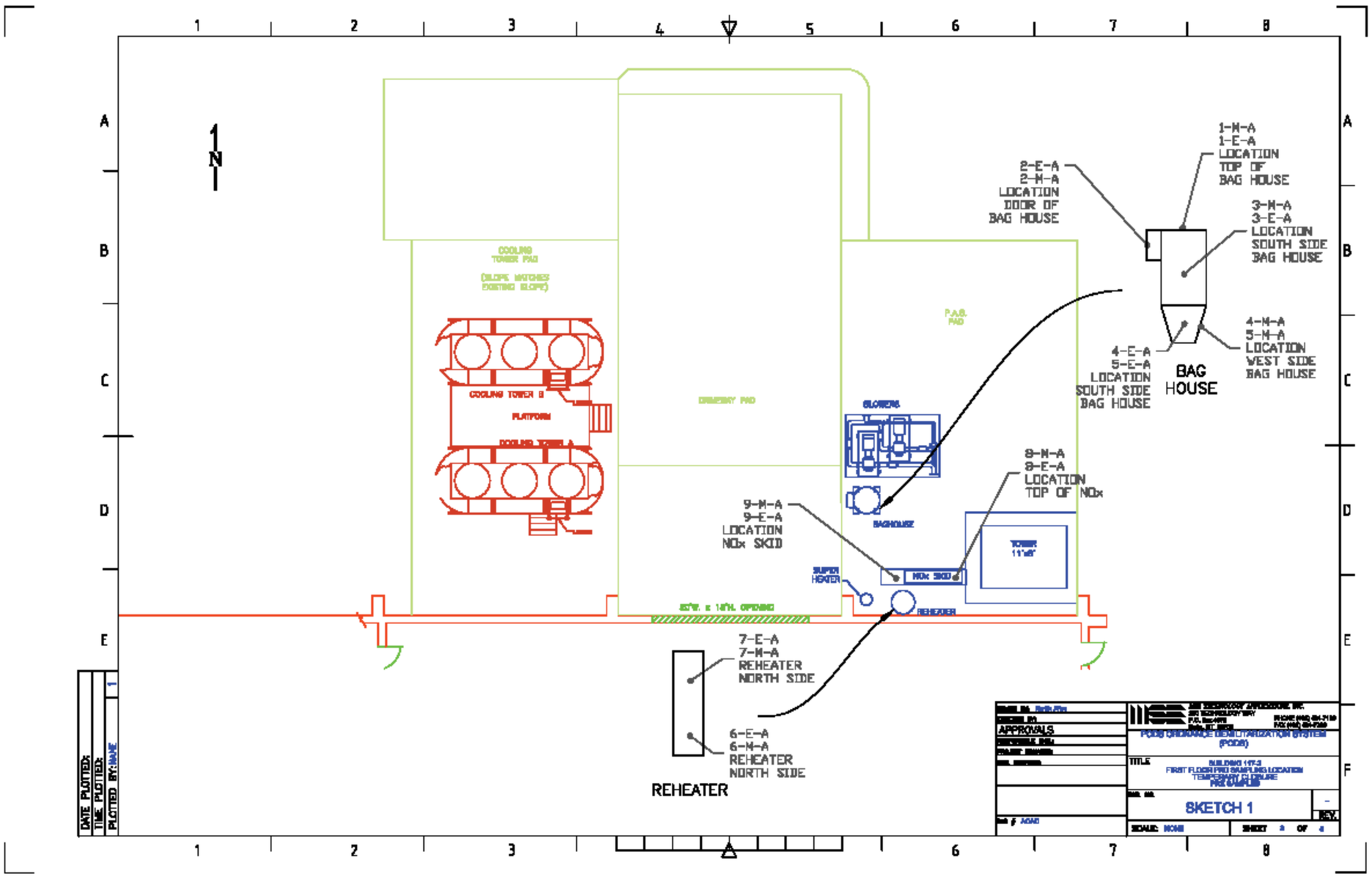
SAMPLE ID	DRAWING NUMBER	DRAWING SHEET	DRAWING TITLE	LOCATION
21-M-A	SKETCH 1	1 of 5	Basement	Floor North of Furnace Slag Door
22-E-A	SKETCH 1	1 of 5	Basement	Floor North of Furnace Where Torches Hang
22-M-A	SKETCH 1	1 of 5	Basement	Floor North of Furnace Where Torches Hang
23-E-A	N/A	N/A	N/A	Blank
23-M-A	N/A	N/A	N/A	Blank
24-E-A	N/A	N/A	N/A	Blank
24-M-A	N/A	N/A	N/A	Blank
25-E-A	N/A	N/A	N/A	Blank
25-M-A	N/A	N/A	N/A	Blank
26-E-A	SKETCH 1	2 of 5	First Floor	Dome of Furnace South Side
26-M-A	SKETCH 1	2 of 5	First Floor	Dome of Furnace South Side
27-E-A	SKETCH 1	2 of 5	First Floor	Top of SCC South End
27-M-A	SKETCH 1	2 of 5	First Floor	Top of SCC South End
28-E-A	SKETCH 1	1 of 5	Basement	Side of Quencher Sump South Side
28-M-A	SKETCH 1	1 of 5	Basement	Side of Quencher Sump South Side
29-E-A	N/A	N/A	N/A	Not Used
29-M-A	N/A	N/A	N/A	Not Used
30-E-A	N/A	N/A	N/A	Not Used
30-M-A	N/A	N/A	N/A	Not Used
31-E-A	N/A	N/A	N/A	Not Used
31-M-A	N/A	N/A	N/A	Not Used
32-E-A	N/A	N/A	N/A	Not Used
32-M-A	N/A	N/A	N/A	Not Used
33-E-A	N/A	N/A	N/A	Not Used
34-M-A	N/A	N/A	N/A	Not Used
34-E-A	N/A	N/A	N/A	Not Used
35-M-A	N/A	N/A	N/A	Not Used
35-E-A	N/A	N/A	N/A	Not Used
36-M-A	N/A	N/A	N/A	Not Used
36-E-A	N/A	N/A	N/A	Not Used
37-E-A	SKETCH 1	4 of 5	Mezz Level	Pockets on Ordnance Feeder
37-M-A	SKETCH 1	4 of 5	Mezz Level	Pockets on Ordnance Feeder
38-E-A	SKETCH 1	4 of 5	Mezz Level	Pockets on Ordnance Feeder
38-M-A	SKETCH 1	4 of 5	Mezz Level	Pockets on Soil Feeder
50-M-A	N/A	N/A	N/A	Pond Soil Sample
51-M-A	N/A	N/A	N/A	Pond Soil Sample

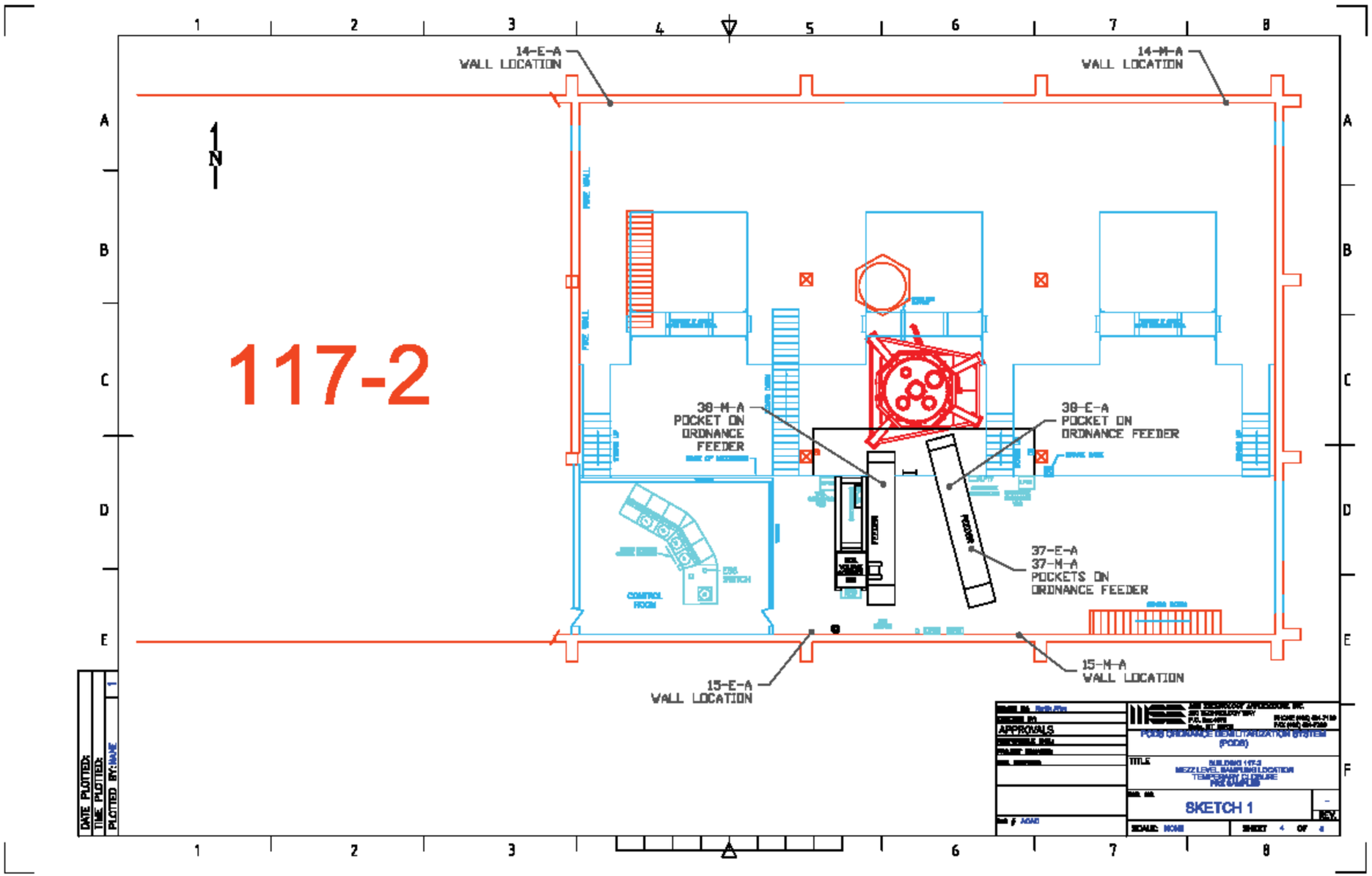
Note: Pond sampling number started at fifty
Pond sample is a composite of samples taken in four locations.

SKETCH 1 PAGE 1 of 5

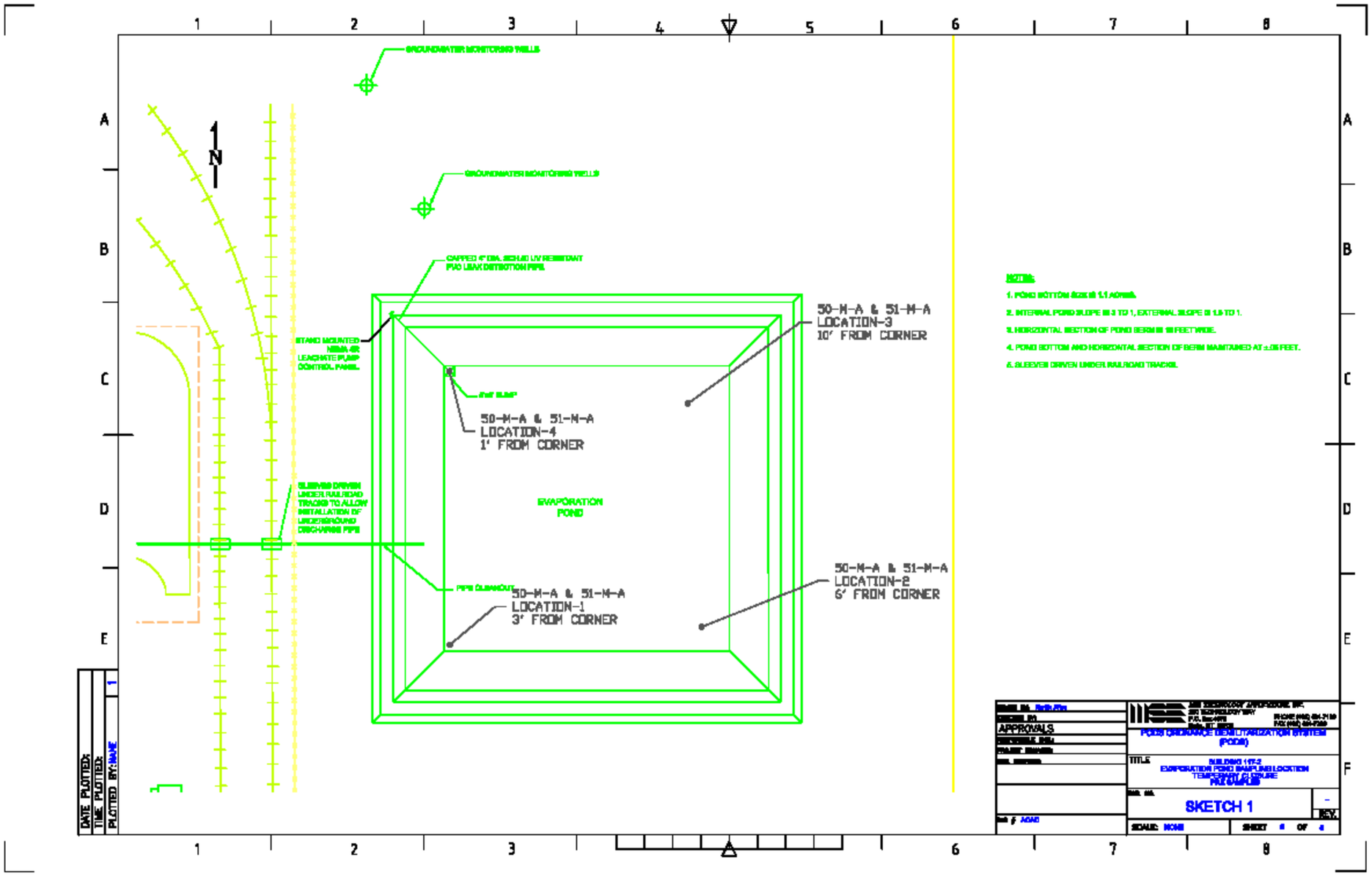



117-2
12-M-A
WALL LOCATION
12-E-A
WALL LOCATION
19-E-A 17-E-A
19-M-A 17-M-A
FLOOR LOCATION
18-E-A 18-M-A
FLOOR LOCATION
UNDER SCC
26-M-A 26-E-A
LOCATION
DOME OF
FURNACE
27-E-A
27-M-A
TOP OF SCC
16-M-A
16-E-A
FLOOR
LOCATION
13-M-A
WALL LOCATION
13-E-A
WALL LOCATION
APPROVALS
SKETCH 1
SCALE: NONE


1
2
3
4
5
6
7
8
A
B
C
D
E
F
N
COOLING TOWER PAD
(SLOPE MATCHES EXISTING SLOPE)
COOLING TOWER B
PLATFORM
COOLING TOWER A
EMERGENCY PAD
P.A.S. PAD
BLOWERS
BAGHOUSE
2-E-A
2-M-A
LOCATION
DOOR OF
BAG HOUSE
1-M-A
1-E-A
LOCATION
TOP OF
BAG HOUSE
3-M-A
3-E-A
LOCATION
SOUTH SIDE
BAG HOUSE
4-M-A
5-M-A
LOCATION
WEST SIDE
BAG HOUSE
4-E-A
5-E-A
LOCATION
SOUTH SIDE
BAG HOUSE
BAG
HOUSE
8-M-A
8-E-A
LOCATION
TOP OF NOx
9-M-A
9-E-A
LOCATION
NOx SKID
NOx SKID
SUPER
HEATER
REHEATER
7-E-A
7-M-A
REHEATER
NORTH SIDE
6-E-A
6-M-A
REHEATER
NORTH SIDE
REHEATER
DATE PLOTTED:
TIME PLOTTED:
PLOTTED BY: NAME
APPROVALS
PODS DROPOUT DEMILITARIZATION SYSTEM
(PODS)
TITLE
FIRST FLOOR PAD SAMPLING LOCATION
TEMPORARY CLOSURE
SKETCH 1
SCALE: NONE
SHEET 3 OF 4

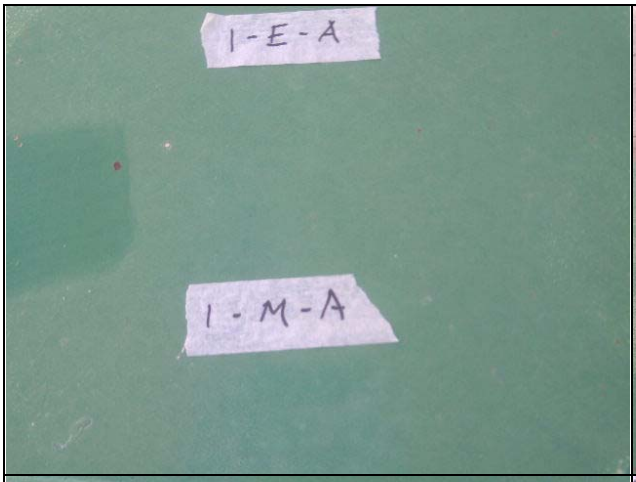

14-E-A
WALL LOCATION
14-M-A
WALL LOCATION
N
117-2
38-M-A
POCKET ON
ORDNANCE
FEEDER
38-E-A
POCKET ON
ORDNANCE FEEDER
37-E-A
37-M-A
POCKETS ON
ORDNANCE FEEDER
15-E-A
WALL LOCATION
15-M-A
WALL LOCATION
CONTROL
ROOM
ESS
SWITCH
FEEDER
DATE PLOTTED:
TIME PLOTTED:
PLOTTED BY:NAME
APPROVALS
PODS ORDNANCE DEMILITARIZATION SYSTEM
(PODS)
BUILDING 117-2
MEZZ LEVEL SAMPLING LOCATION
TEMPORARY CLOSURE
SKETCH 1
SCALE: NONE
SHEET 4 OF 4

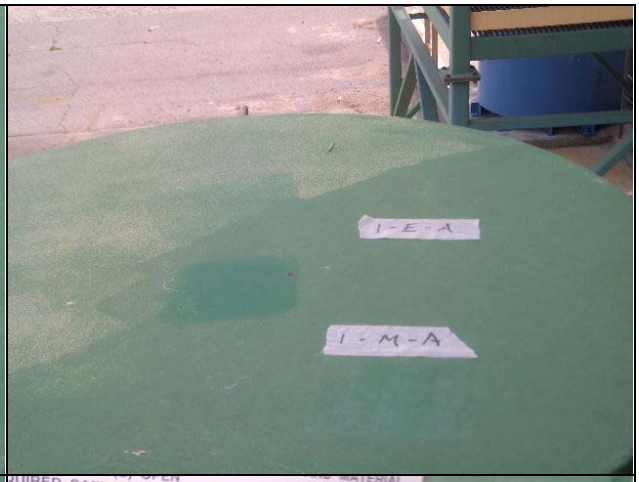
SKETCH 1 PAGE 5 of 5



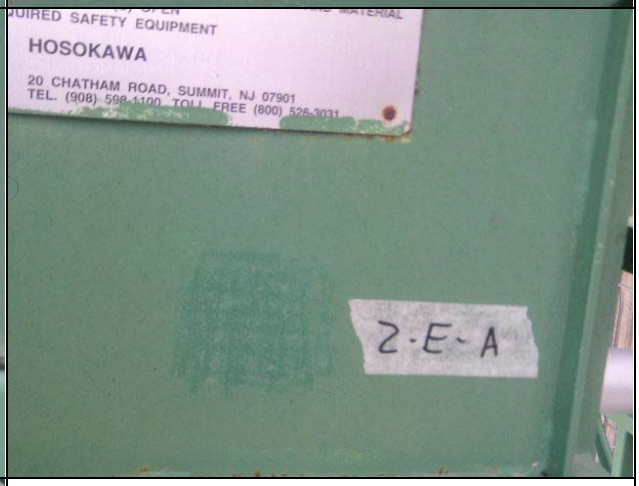
APPENDIX D

Photos of Initial Sampling Locations


1-E-A
1-M-A


1-E-A
1-M-A


2-M-A

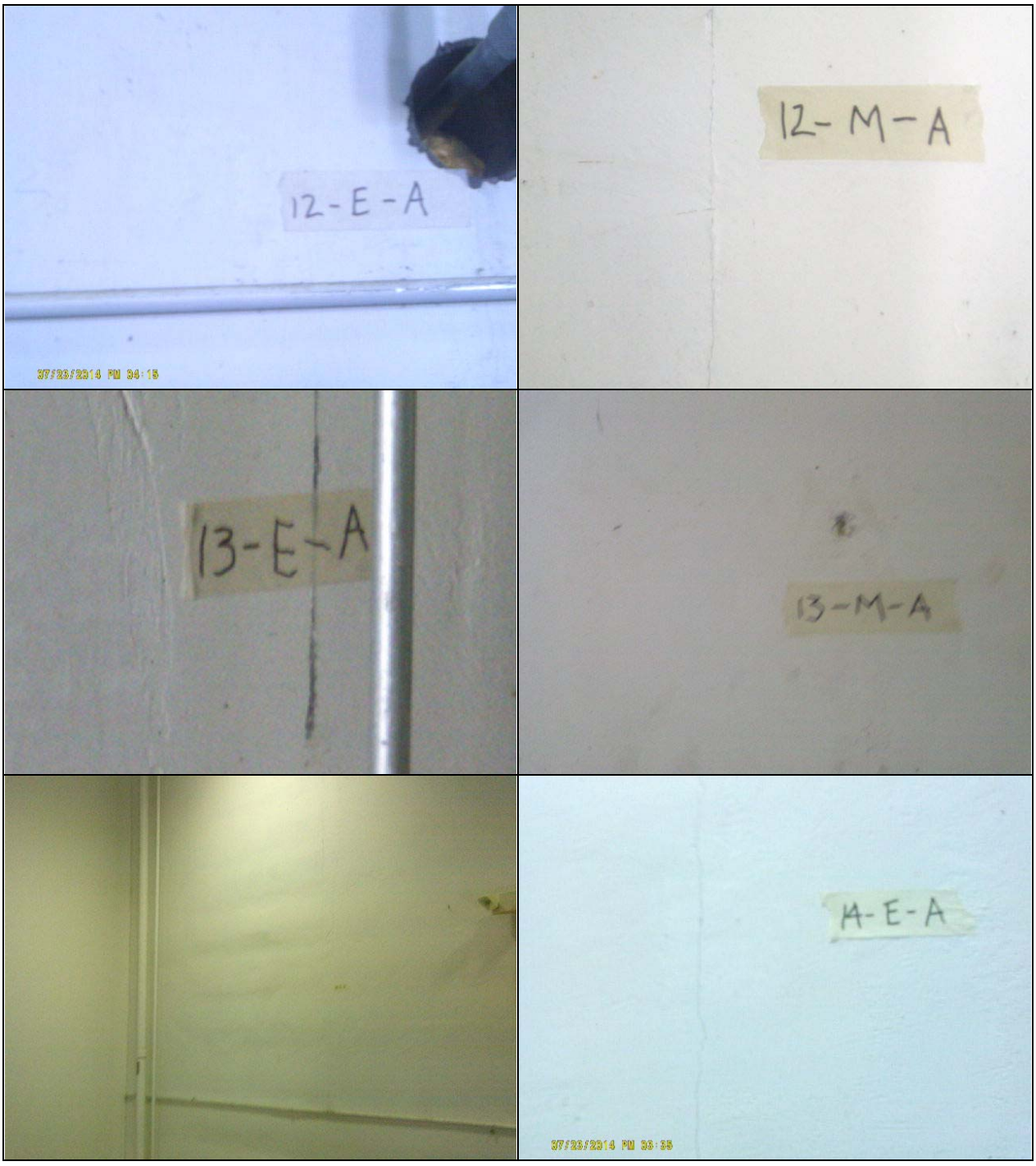

HOSOKAWA
20 CHATHAM ROAD, SUMMIT, NJ 07901
2-E-A


2-E-A

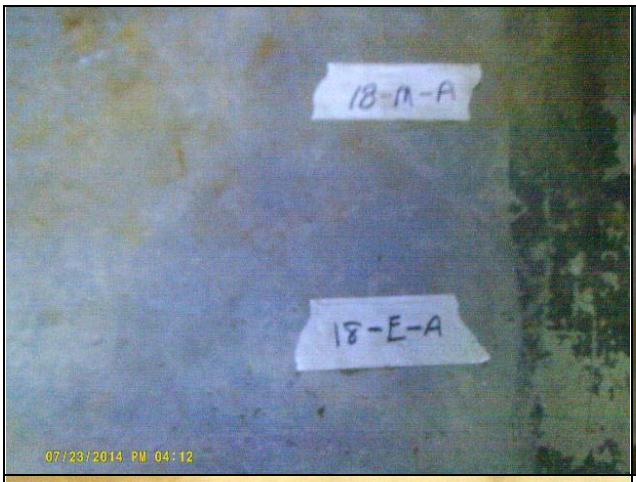

3-M-A
3-E-A
4-M-A
5-M-A
4-E-A
5-E-A
6-E-A
6-M-A

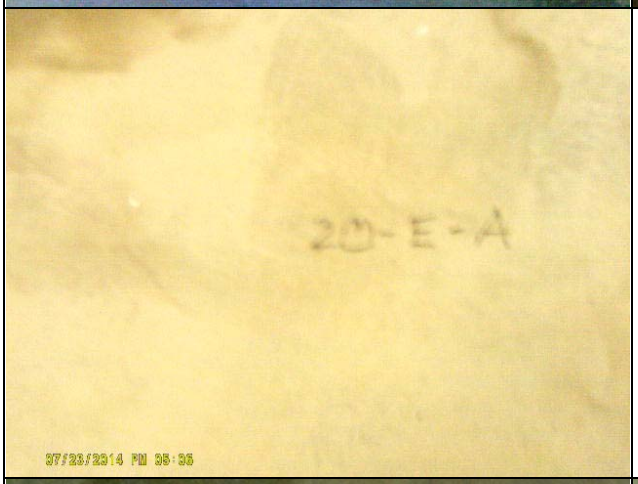

9-E-A
7-M-A
8-M-A
8-E-A
9-M-A
9-E-A


10-E-A
07/23/2014 PM 05:35
10-M-A
11-M-A
11-E-A
07/23/2014 PM 05:36

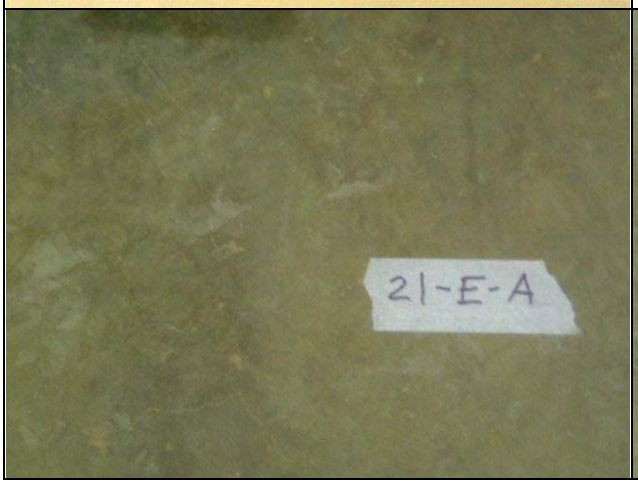

12-E-A
07/23/2014 PM 04:15
12-M-A
13-E-A
13-M-A
A-E-A
07/23/2014 PM 03:35

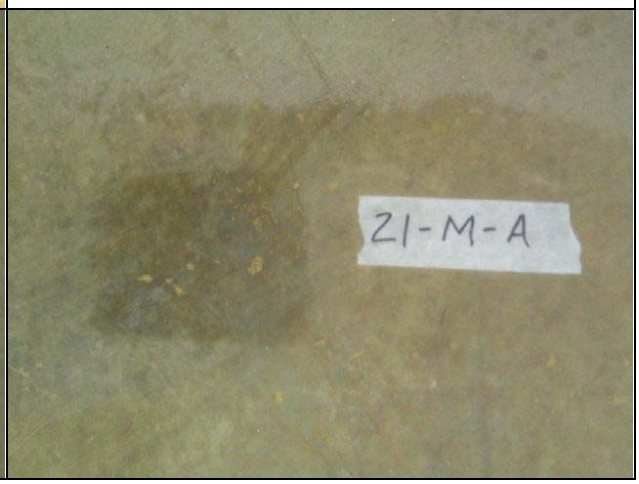

15-E-A
16-M-A
16-E-A
17-M-A
19-M-A
17-E-A
19-E-A



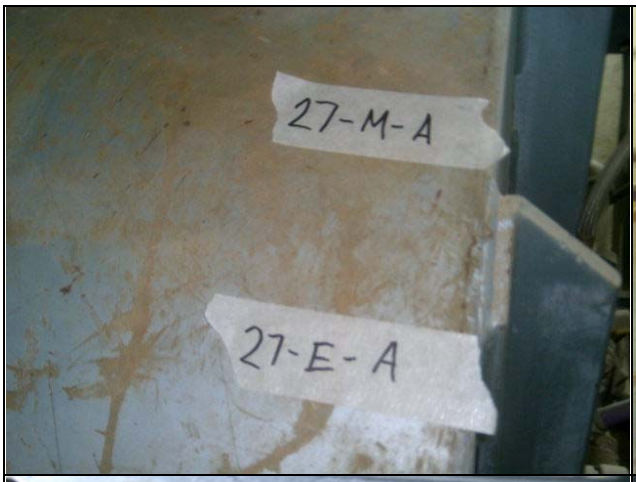


20-M-A PHOTO DID NOT COME OUT
It was below 20-E-A approx 6 inches
Floor surface was wet and tape would not stick
number was placed using sharpie



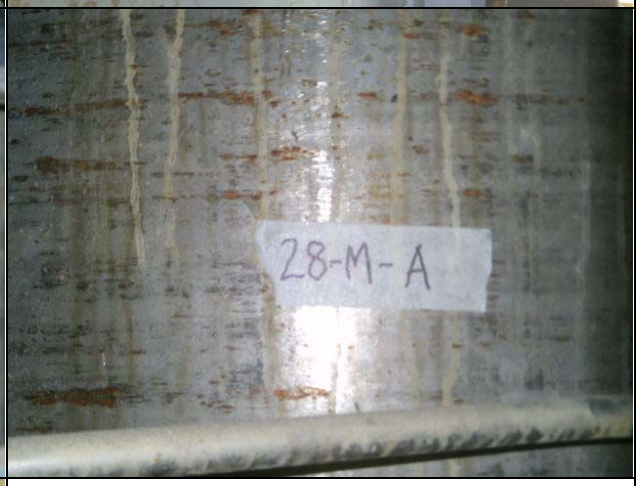



22-E-A
22-M-A
26-E-A
26-M-A
26-M-A
26-E-A

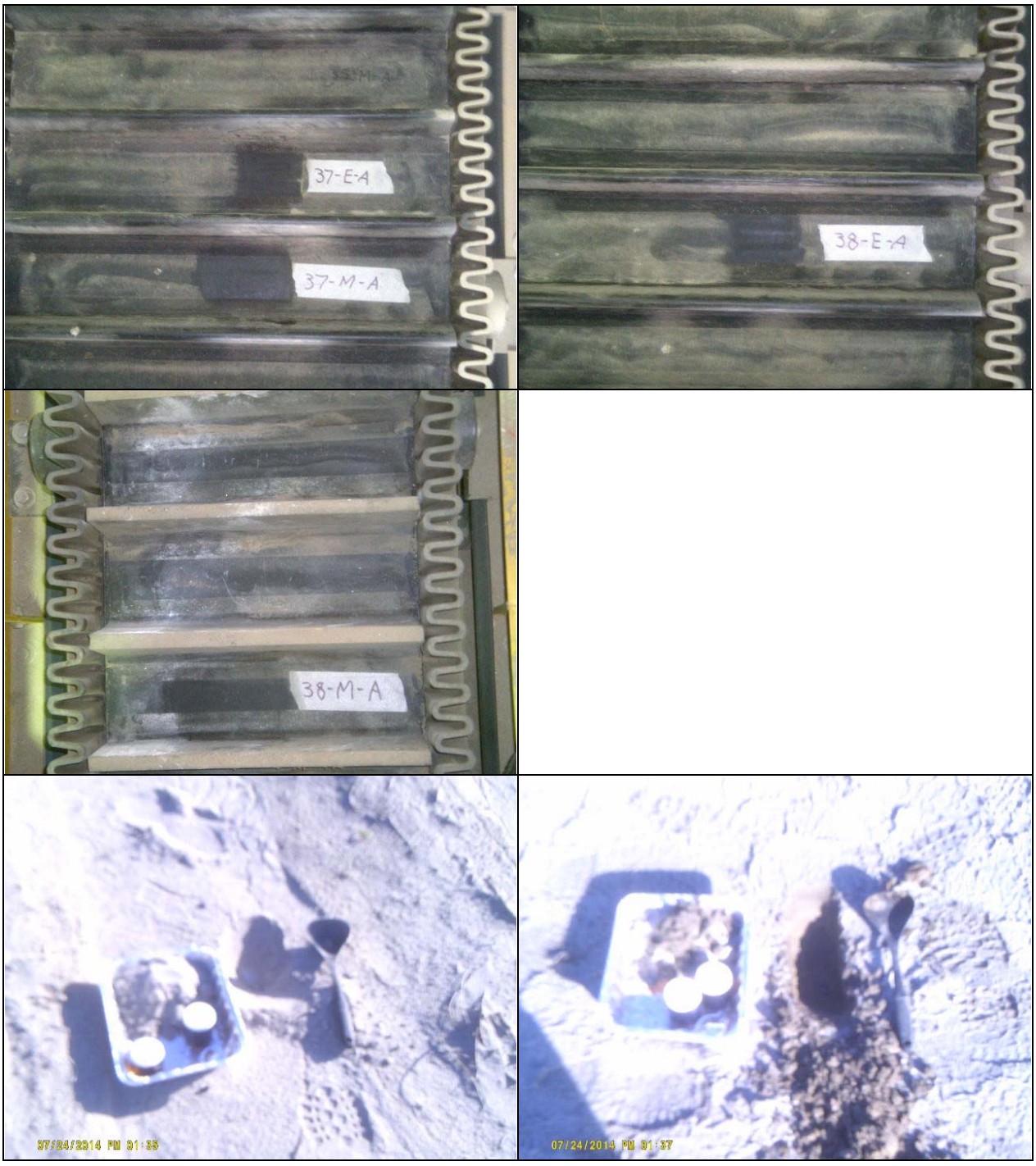

27-M-A
27-E-A


27-E-A


28-E-A


28-M-A


28-M-A
28-E-A


37-E-A
37-M-A
38-E-A
38-M-A
07/24/2014 PM 01:35
07/24/2014 PM 01:37


07/24/2014 PM 01:33
07/24/2014 PM 01:32

APPENDIX E

Initial Sampling Chain of Custody Forms

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification: 0513014

Company/Client **SOC Nevada LLC**

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Martin Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No

P.O. Number: 137003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS

PRESERVATION (*Laboratory Use Only*)

→ *Field Preserved*
→ *Laboratory Preserved*

CONTAINER

Containers/Perservative

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	Explosives by 8330	SEE ATTACHED (Analysis List)	A None	B Nitric Acid (HNO_3)	C Sulfuric Acid (H_2SO_4)	D Hydrochloric Acid (HCL)	E Sodium Hydroxide (NaOH)	F Sodium Thiosulfate ($Na_2S_2O_3$)	G Monochloroacetic Acid (MCA)	Z Cool (4°C)	Normal Turnaround Time (TAT)	RUSH	Comments
1	23-E-A Blank	5/2/13	15:50	S	1	X										X		
2	25-E-A Blank	5/2/13	15:50	S	1	X										X		
3	24-E-A Blank	5/2/13	15:50	S	1	X										X		
4	37-E-A Feed Conveyor	5/2/13	10:02	S	1	X										X		
5	26-E-A Furnace Dome	5/2/13	10:13	S	1	X										X		
6	27-E-A SCC Inlet	5/2/13	10:15	S	1	X										X		
7	5-E-A Baghouse Bottom	5/2/13	11:51	S	1	X										X		
8	1-E-A Baghouse Top	5/2/13	12:01	S	1	X										X		
9	2-E-A Baghouse Door	5/2/13	12:04	S	1	X										X		
10	21-E-A Floor Basement & Slag Door	5/2/13	10:34	S	1	X										X		

RUSH
→ Same Day
→ 24-Hour
→ 2-Day

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):	6.5°	COOLER ID(s):	Shipped by:	
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No		
Custody Seal(s)?	Yes	No ✓	Cool-Down Started?	Yes ✓	No		

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Martin Moe	1) Received by Print: Gail Bachmann	Signature: Gail Bachmann
Company: SOC	Date/Time: 5-3-13 1:30	Company: WAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only — Page 2 of 7
Laboratory Identification: 051304-2

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart P Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No
P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS

PRESERVATION (*Laboratory Use Only*)

→ *Field Preserved*
→ *Laboratory Preserved*

CONTAINER — Containers/Perservative

RUSH
→ Same Day
→ 24-Hour
→ 2-Day

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	Explosives by 8330	SEE ATTACHED (Analysis List)	A None	B Nitric Acid (HNO_3)	C Sulfuric Acid (H_2SO_4)	D Hydrochloric Acid (HCL)	E Sodium Hydroxide (NaOH)	F Sodium Thiosulfate ($Na_2S_2O_3$)	G Monochloroacetic Acid (MCA)	Z Cool (4°C)	Normal Turnaround Time (TAT)	RUSH	Comments
1	38-E-A Feed Conveyor #2	5/2/13	10:05	S	1	X										X		
2	8-E-A SCR	5/2/13	11:42	S	1	X										X		
3	28-E-A Absorber Surface	5/2/13	10:41	S	1	X										X		
4	10-E-A North Basement Wall	5/2/13	10:46	S	1	X										X		
5	22-E-A Torch Rack Floor Basement	5/2/13	10:39	S	1	X										X		
6	3-E-A Baghouse Middle	5/2/13	11:54	S	1	X										X		
7	7-E-A Reheater Top	5/2/13	11:25	S	1	X										X		
8	17-E-A Main Floor North	5/2/13	10:20	S	1	X										X		
9	14-E-A Upper Level North Wall	5/2/13	9:52	S	1	X										X		
10	15-E-A Upper Level South Wall	5/2/13	9:59	S	1	X										X		

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):		
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No
Custody Seal(s)?	Yes	No ✓	Cool-Down Started?	Yes ✓	No

COOLER ID(s): —
Shipped by: —

Sample Matrix Key

Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Mart P Moe	1) Received by Print: Gail Bachmann	Signature: Gail Bachmann
Company: SOC	Date/Time: 5-3-13	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification: 0513014-3

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart B Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No

P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS

PRESERVATION (*Laboratory Use Only*)

→ *Field Preserved*
→ *Laboratory Preserved*

CONTAINER

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	Explosives by 8330	SEE ATTACHED (Analysis List)	A None	B Nitric Acid (HNO_3)	C Sulfuric Acid (H_2SO_4)	D Hydrochloric Acid (HCL)	E Sodium Hydroxide (NaOH)	F Sodium Thiosulfate ($Na_2S_2O_3$)	G Monochloroacetic Acid (MCA)	Z Cool (4°C)	Normal Turnaround Time (TAT)	RUSH
21	13-E-A Main level south wall	5/2/13	10:20	S	1	X										X	
22	16-E-A main floor south of PPC	5/2/13	10:09	S	1	X										X	
23	4-E-A Baghouse Bottom	5/2/13	11:49	S	1	X										X	
24	6-E-A Reheater Bottom	5/2/13	11:36	S	1	X										X	
25	11-E-A Basement wall south	5/2/13	10:49	S	1	X										X	
26	9-E-A SCR skid	5/2/13	11:46	S	1	X										X	
27	20-E-A Quencher floor drain basement	5/2/13	10:43	S	1	X										X	
28	12-E-A main level north wall	5/2/13	10:25	S	1	X										X	
29	19-E-A main level noth of PPC	5/2/13	10:22	S	1	X										X	
30	18-E-A SCC Floor by inlet	5/2/13	10:17	S	1	X										X	

RUSH: → Same Day → 24-Hour → 2-Day

Comments

Laboratory Use Only

Container Intact? Yes ✓ No
Container Labeled Properly? Yes ✓ No
Custody Seal(s)? Yes No ✓
Receipt Temp (°C):
On Ice? Yes ✓ No
Cool-Down Started? Yes ✓ No

COOLER ID(s): —
Shipped by: —

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Mart B Moe	1) Received by Print: GAIL Backman	Signature: Gail Backman
Company: SOC	Date/Time: 5-3-13 1:30	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification: 05/3014-4

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No
P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS

PRESERVATION (*Laboratory Use Only*)

→ *Field Preserved*
→ *Laboratory Preserved*

CONTAINER

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	TCLP-8 Metals by 6010 & 7471	SEE ATTACHED (Analysis List)	A None	B Nitric Acid (HNO_3)	C Sulfuric Acid (H_2SO_4)	D Hydrochloric Acid (HCL)	E Sodium Hydroxide (NaOH)	F Sodium Thiosulfate ($Na_2S_2O_3$)	G Monochloroacetic Acid (MCA)	Z Cool (4°C)	Normal Turnaround Time (TAT)
31	12-M-A Main Level north wall	5/2/13	14:22	S	1	X										X
32	15-M-A upper level south wall	5/2/13	14:09	S	1	X										X
33	9-M-A SCR skid	5/2/13	11:47	S	1	X										X
34	8-M-A SCR	5/2/13	11:43	S	1	X										X
35	25-M-A Blank	5/2/13	15:08	S	1	X										X
36	24-M-A Blank	5/2/13	15:08	S	1	X										X
37	6-M-A Reheater Bottom	5/2/13	11:39	S	1	X										X
38	13-M-A Main level south wall	5/2/13	14:39	S	1	X										X
39	5-M-A Baghouse Bottom	5/2/13	11:52	S	1	X										X
40	10-M-A Basement North wall	5/2/13	14:44	S	1	X										X

RUSH
→ Same Day
→ 24-Hour
→ 2-Day

Comments

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):		
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No
Custody Seal(s)?	Yes	No	Cool-Down Started?	Yes ✓	No

COOLER ID(s):
Shipped by:

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Mart Moe	1) Received by Print: Gail Bachman	Signature: Gail Bachman
Company: SOC	Date/Time: 5-3-13 1:30	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification: 05013014B-5

Company/Client SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No

P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS

PRESERVATION (*Laboratory Use Only*)

→ *Field Preserved*
→ *Laboratory Preserved*

CONTAINER

A	B	C	D	E	F	G	Z

Containers/Perservative

RUSH

Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	TCLP-8 Metals by 6010 & 7471	SEE ATTACHED (Analysis List)	None	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Hydrochloric Acid (HCL)	Sodium Hydroxide (NaOH)	Sodium Thiosulfate ($Na_2S_2O_3$)	Monochloroacetic Acid (MCA)	Cool (4°C)	Normal Turnaround Time (TAT)	RUSH	Comments
1 23-M-A blank	5/2/13	15:08	S	1	X										X		
2 38-M-A soil conveyor	5/2/13	14:15	S	1	X										X		
3 21-M-A basement floor slag door	5/2/13	14:42	S	1	X										X		
4 26-M-A primary chamber	5/2/13	14:30	S	1	X										X		
5 37-M-A feed conveyor #1	5/2/13	14:12	S	1	X										X		
6 18-M-A Main floor under SCC	5/2/13	14:36	S	1	X										X		
7 2-M-A baghouse door	5/2/13	12:04	S	1	X										X		
8 28-M-A absorber	5/2/13	14:46	S	1	X										X		
9 7-M-A reheater top	5/2/13	11:25	S	1	X										X		
10 20-M-A basement floor drain	5/2/13	14:40	S	1	X										X		

Laboratory Use Only

Container Intact?	Yes ✓ No	Receipt Temp (°C):		COOLER ID(s):	Shipped by:
Container Labeled Properly?	Yes ✓ No	On Ice?	Yes ✓ No		
Custody Seal(s)?	Yes No ✓	Cool-Down Started?	Yes ✓ No		

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Mart Moe	1) Received by Print: Gail Bachmann	Signature: Gail Bachman
Company: SOC	Date/Time: 5-3-13 1:20	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification: 0513014-6

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No
P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: Wipe Samples for temp. closure for PODS

ANALYSIS: TCLP-8 Metals by 6010 & 7471; SEE ATTACHED (Analysis List)

PRESERVATION (*Laboratory Use Only*): →Field Preserved; →Laboratory Preserved

CONTAINER — Containers/Perservative: A None; B Nitric Acid (HNO_3); C Sulfuric Acid (H_2SO_4); D Hydrochloric Acid (HCL); E Sodium Hydroxide (NaOH); F Sodium Thiosulfate ($Na_2S_2O_3$); G Monochloroacetic Acid (MCA); Z Cool (4°C)

Normal Turnaround Time (TAT)

RUSH: → Same Day; → 24-Hour; → 2-Day

Comments

Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	TCLP-8 Metals by 6010 & 7471	None	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Hydrochloric Acid (HCL)	Sodium Hydroxide (NaOH)	Sodium Thiosulfate ($Na_2S_2O_3$)	Monochloroacetic Acid (MCA)	Cool (4°C)	Normal Turnaround Time (TAT)
51 16-M-A main floor south of PPC	5/2/13	14:26	S	1	X									X
52 22-M-A basement floor under torch	5/2/13	14:42	S	1	X									X
53 17-M-A main floor north of PPC	5/2/13	14:16	S	1	X									X
54 27-M-A SCC in	5/2/13	14:32	S	1	X									X
55 19-M-A main floor north of PPC	5/2/13	14:18	S	1	X									X
56 1-M-A top of baghouse	5/2/13	12:01	S	1	X									X
57 4-M-A baghouse bottom	5/2/13	11:50	S	1	X									X
58 3-M-A baghouse middle	5/2/13	11:55	S	1	X									X
59 11-M-A basement level south wall	5/2/13	14:50	S	1	X									X
60 14-M-A Upper level north wall	5/2/13	14:06	S	1	X									X

Laboratory Use Only

Container Intact? Yes ✓ No	Receipt Temp (°C):	COOLER ID(s):	Shipped by:
Container Labeled Properly? Yes ✓ No	On Ice? Yes ✓ No		
Custody Seal(s)? Yes No ✓	Cool-Down Started? Yes ✓ No		

Sample Matrix Key

Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Mart Moe	1) Received by Print: GAIL BACHMAN	Signature: Gail Bachman
Company: SOC	Date/Time: 5-3-13 1:34	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only — Page 7 of 7
Laboratory Identification: 0513014-7

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Martin Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No
P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: temp. closure for PODS

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty
1	50-M-A Evap. Ponds sample	5-3-13	8:10	S	1
2	51-M-A Evap. Ponds sample	5-3-13	8:11	S	1
3					
4					
5					
6					
7					
8					
9					
10					

ANALYSIS

TCLP-8 Metals by 6010 & 7471	SEE ATTACHED (Analysis List)
X	
X	

PRESERVATION (Laboratory Use Only) → Field Preserved / → Laboratory Preserved

CONTAINER — Containers/Perservative

A	B	C	D	E	F	G	Z
None	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Hydrochloric Acid (HCL)	Sodium Hydroxide (NaOH)	Sodium Thiosulfate ($Na_2S_2O_3$)	Monochloroacetic Acid (MCA)	Cool (4°C)

Normal Turnaround Time (TAT)
X
X

RUSH
→ Same Day
→ 24-Hour
→ 2-Day

Comments

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):		
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No
Custody Seal(s)?	Yes	No	Cool-Down Started?	Yes ✓	No

COOLER ID(s):
Shipped by:

Sample Matrix Key

Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print: Martin Moe	Signature: Martin Moe	1) Received by Print: Gail Bachmann	Signature: Gail Bachmann
Company: SOC	Date/Time: 5-3-13 1:30	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

APPENDIX F

Initial Sampling Analytical Results

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Nevada Analytical Services
Michael R. Genova
855 Mill Street, Suite 2A
Reno, NV 89502

Laboratory Report Identification: 0513014
Submission Date: 5/3/2013

Wednesday, May 15, 2013

SOC
Kristi Lammel-Schilling
9 South Main
Hawthorne, NV 89415

Dear Kristi :

Results for the analytical test(s) submitted on the date above are detailed in the following report.

Unless it is otherwise noted in the preceding analytical report(s), all samples submitted for analysis were received within their acceptable hold times, properly preserved, and in acceptable condition for their respective analyses.

Thank you for choosing NAS for your analytical testing requirements.

Report Comments:
Lead CCV within +/-20% . Selenium LLV greater than acceptance limits. All samples were non-detect.

Sincerely,

5/15/2013
Date
Michael R. Genova
Technical Director

5/15/2013
Date
Tracy M. Bills
Quality Assurance Officer

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 23-E-A Blank
Laboratory Sample Control Number: 0513014-1
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	84	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — **Date** 5/15/2013

Tracy M. Bills, Quality Assurance Officer — **Date** 5/15/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 25-E-A Blank
Laboratory Sample Control Number: 0513014-2
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	97	5/10/2013	50 - 150%

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 24-E-A Blank
Laboratory Sample Control Number: 0513014-3
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	85	5/10/2013	50 - 150%

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 37-E-A Feed Conveyor
Laboratory Sample Control Number: 0513014-4
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	81	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 26-E-A Furnance Dome
Laboratory Sample Control Number: 0513014-5
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	85	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 27-E-A SCC Inlet
Laboratory Sample Control Number: 0513014-6
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	84	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 5-E-A Baghouse Bottom
Laboratory Sample Control Number: 0513014-7
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	83	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 1-E-A Baghouse Top
Laboratory Sample Control Number: 0513014-8
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/10/2013
Nitrobenzene	ND	mg/kg	10	5/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/10/2013
2-Nitrotoluene	ND	mg/kg	10	5/10/2013
4-Nitrotoluene	ND	mg/kg	10	5/10/2013
3-Nitrotoluene	ND	mg/kg	10	5/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	84	5/10/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 2-E-A Baghouse Door
Laboratory Sample Control Number: 0513014-9
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	94	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 21-E-A Floor Basement & Slag Door
Laboratory Sample Control Number: 0513014-10

Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	94	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 38-E-A Feed Conveyor #2 **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-11 **Matrix:** Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	95	5/13/2013	50 - 150%

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 8-E-A SCR
Laboratory Sample Control Number: 0513014-12
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	91	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 28-E-A Absorber Surface
Laboratory Sample Control Number: 0513014-13
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	92	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 10-E-A North Basement Wall
Laboratory Sample Control Number: 0513014-14
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	91	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 22-E-A Torch Rack Floor Basement **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-15 **Matrix:** Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	96	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 3-E-A Baghouse Middle
Laboratory Sample Control Number: 0513014-16
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	95	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 7-E-A Reheater Top
Laboratory Sample Control Number: 0513014-17
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	98	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 17-E-A Main Floor North
Laboratory Sample Control Number: 0513014-18
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	101	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — **Date** 5/15/2013

Tracy M. Bills, Quality Assurance Officer — **Date** 5/15/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 14-E-A Upper Level North Wall
Laboratory Sample Control Number: 0513014-19
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	102	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 15-E-A Upper Level South Wall
Laboratory Sample Control Number: 0513014-20
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	98	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 13-E-A Main level south wall
Laboratory Sample Control Number: 0513014-21
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	97	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 16-E-A main floor south of PPC
Laboratory Sample Control Number: 0513014-22
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	89	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 4-E-A Baghouse Bottom
Laboratory Sample Control Number: 0513014-23
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	97	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — **Date** 5/15/2013

Tracy M. Bills, Quality Assurance Officer — **Date** 5/15/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 6-E-A Reheater Bottom
Laboratory Sample Control Number: 0513014-24
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/13/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/13/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/13/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/13/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/13/2013
Nitrobenzene	ND	mg/kg	10	5/13/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/13/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/13/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/13/2013
2-Nitrotoluene	ND	mg/kg	10	5/13/2013
4-Nitrotoluene	ND	mg/kg	10	5/13/2013
3-Nitrotoluene	ND	mg/kg	10	5/13/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	92	5/13/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 11-E-A Basement wall south **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-25 **Matrix:** Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	87	5/14/2013	50 - 150%

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 9-E-A SCR skid
Laboratory Sample Control Number: 0513014-26
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	96	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 20-E-A Quencher floor drain basement
Laboratory Sample Control Number: 0513014-27
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	89	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 12-E-A main level north wall
Laboratory Sample Control Number: 0513014-28
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	84	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 19-E-A main level north of PPC
Laboratory Sample Control Number: 0513014-29
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	91	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 18-E-A SCC Floor by inlet
Laboratory Sample Control Number: 0513014-30
Sampling Date: 5/2/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	5/14/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	5/14/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	5/14/2013
1,3-Dinitrobenzene	ND	mg/kg	10	5/14/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	5/14/2013
Nitrobenzene	ND	mg/kg	10	5/14/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	5/14/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,6-Dinitrotoluene	ND	mg/kg	10	5/14/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	5/14/2013
2-Nitrotoluene	ND	mg/kg	10	5/14/2013
4-Nitrotoluene	ND	mg/kg	10	5/14/2013
3-Nitrotoluene	ND	mg/kg	10	5/14/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	96	5/14/2013	50 - 150%

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 12-M-A Main Level north wall
Laboratory Sample Control Number: 0513014-31

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 12-M-A Main Level north wall
Laboratory Sample Control Number: 0513014-31
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 15-M-A upper level south wall
Laboratory Sample Control Number: 0513014-32
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 15-M-A upper level south wall **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-32 **Matrix:** Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1 **Dilution Factor:** 10
QC Batch Analysis Date: 5/13/2013
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 9-M-A SCR skid
Laboratory Sample Control Number: 0513014-33
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 9-M-A SCR skid
Laboratory Sample Control Number: 0513014-33
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 8-M-A SCR
Laboratory Sample Control Number: 0513014-34

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 8-M-A SCR
Laboratory Sample Control Number: 0513014-34
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 25-M-A Blank
Laboratory Sample Control Number: 0513014-35
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
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Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 25-M-A Blank
Laboratory Sample Control Number: 0513014-35
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
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Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 24-M-A Blank
Laboratory Sample Control Number: 0513014-36
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 24-M-A Blank
Laboratory Sample Control Number: 0513014-36
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
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Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 6-M-A Reheater Bottom
Laboratory Sample Control Number: 0513014-37
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Reported analytical results relate only to the item(s) tested or to the sample(s) as received by the laboratory.

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 6-M-A Reheater Bottom
Laboratory Sample Control Number: 0513014-37
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**5/15/2013** Date	**Tracy M. Bills, Quality Assurance Officer**	**5/15/2013** Date

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 13-M-A Main level south wall
Laboratory Sample Control Number: 0513014-38

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 13-M-A Main level south wall
Laboratory Sample Control Number: 0513014-38
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**5/15/2013** Date	**Tracy M. Bills, Quality Assurance Officer**	**5/15/2013** Date

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 5-M-A Baghouse Bottom
Laboratory Sample Control Number: 0513014-39

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 5-M-A Baghouse Bottom
Laboratory Sample Control Number: 0513014-39
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 10-M-A Basement North wall
Laboratory Sample Control Number: 0513014-40
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 10-M-A Basement North wall **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-40 **Matrix:** Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1 **Dilution Factor:** 10
QC Batch Analysis Date: 5/13/2013
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**5/15/2013** Date	**Tracy M. Bills, Quality Assurance Officer**	**5/15/2013** Date

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 23-M-A Blank
Laboratory Sample Control Number: 0513014-41
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 23-M-A Blank
Laboratory Sample Control Number: 0513014-41
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 38-M-A soil conveyor
Laboratory Sample Control Number: 0513014-42
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 38-M-A soil conveyor
Laboratory Sample Control Number: 0513014-42
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**5/15/2013** Date	**Tracy M. Bills, Quality Assurance Officer**	**5/15/2013** Date

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 21-M-A basement floor slag door
Laboratory Sample Control Number: 0513014-43

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 21-M-A basement floor slag door
Laboratory Sample Control Number: 0513014-43

Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	1.34	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 26-M-A primary chamber
Laboratory Sample Control Number: 0513014-44

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 26-M-A primary chamber
Laboratory Sample Control Number: 0513014-44
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	5/15/2013	Tracy M. Bills, Quality Assurance Officer	5/15/2013
	Date		Date

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 37-M-A feed conveyor #1 **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-45 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 37-M-A feed conveyor #1 **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-45 **Matrix:** Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	1.20	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1 **Dilution Factor:** 10
QC Batch Analysis Date: 5/13/2013
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 18-M-A Main floor under SCC
Laboratory Sample Control Number: 0513014-46

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 18-M-A Main floor under SCC
Laboratory Sample Control Number: 0513014-46
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 2-M-A baghouse door
Laboratory Sample Control Number: 0513014-47

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/10/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 2-M-A baghouse door
Laboratory Sample Control Number: 0513014-47
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 28-M-A absorber
Laboratory Sample Control Number: 0513014-48

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/14/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director	5/15/2013 Date	Tracy M. Bills, Quality Assurance Officer	5/15/2013 Date

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 28-M-A absorber
Laboratory Sample Control Number: 0513014-48
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 7-M-A reheater top
Laboratory Sample Control Number: 0513014-49
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 7-M-A reheater top
Laboratory Sample Control Number: 0513014-49
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	0.62	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 20-M-A basement floor drain
Laboratory Sample Control Number: 0513014-50

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 20-M-A basement floor drain
Laboratory Sample Control Number: 0513014-50
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	0.80	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	0.59	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 16-M-A main floor south of PPC
Laboratory Sample Control Number: 0513014-51
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 16-M-A main floor south of PPC
Laboratory Sample Control Number: 0513014-51
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 22-M-A basement floor under torch
Laboratory Sample Control Number: 0513014-52
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 22-M-A basement floor under torch
Laboratory Sample Control Number: 0513014-52
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	0.56	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	5.52	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 17-M-A main floor north of PPC
Laboratory Sample Control Number: 0513014-53
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
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UL: Under Laboratory Established Limits
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Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 17-M-A main floor north of PPC
Laboratory Sample Control Number: 0513014-53
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 27-M-A SCC in
Laboratory Sample Control Number: 0513014-54

Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 27-M-A SCC in
Laboratory Sample Control Number: 0513014-54
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	0.53	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 19-M-A main floor north of PPC
Laboratory Sample Control Number: 0513014-55
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	0.05	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 19-M-A main floor north of PPC
Laboratory Sample Control Number: 0513014-55
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/15/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/15/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/15/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/15/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/15/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/15/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/15/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 1-M-A top of baghouse
Laboratory Sample Control Number: 0513014-56
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 1-M-A top of baghouse
Laboratory Sample Control Number: 0513014-56
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 4-M-A baghouse bottom
Laboratory Sample Control Number: 0513014-57
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 4-M-A baghouse bottom
Laboratory Sample Control Number: 0513014-57
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 3-M-A baghouse middle
Laboratory Sample Control Number: 0513014-58
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 3-M-A baghouse middle
Laboratory Sample Control Number: 0513014-58
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 11-M-A basement level south wall
Laboratory Sample Control Number: 0513014-59
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 11-M-A basement level south wall
Laboratory Sample Control Number: 0513014-59
Sampling Date: 5/2/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 14-M-A Upper level north wall
Laboratory Sample Control Number: 0513014-60
Sampling Date: 5/2/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Laboratory Report Identification: 0513014

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 14-M-A Upper level north wall **Sampling Date:** 5/2/2013
Laboratory Sample Control Number: 0513014-60 **Matrix:** Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1 **Dilution Factor:** 10
QC Batch Analysis Date: 5/13/2013
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

5/15/2013
Michael R. Genova, Technical Director **Date**

5/15/2013
Tracy M. Bills, Quality Assurance Officer **Date**

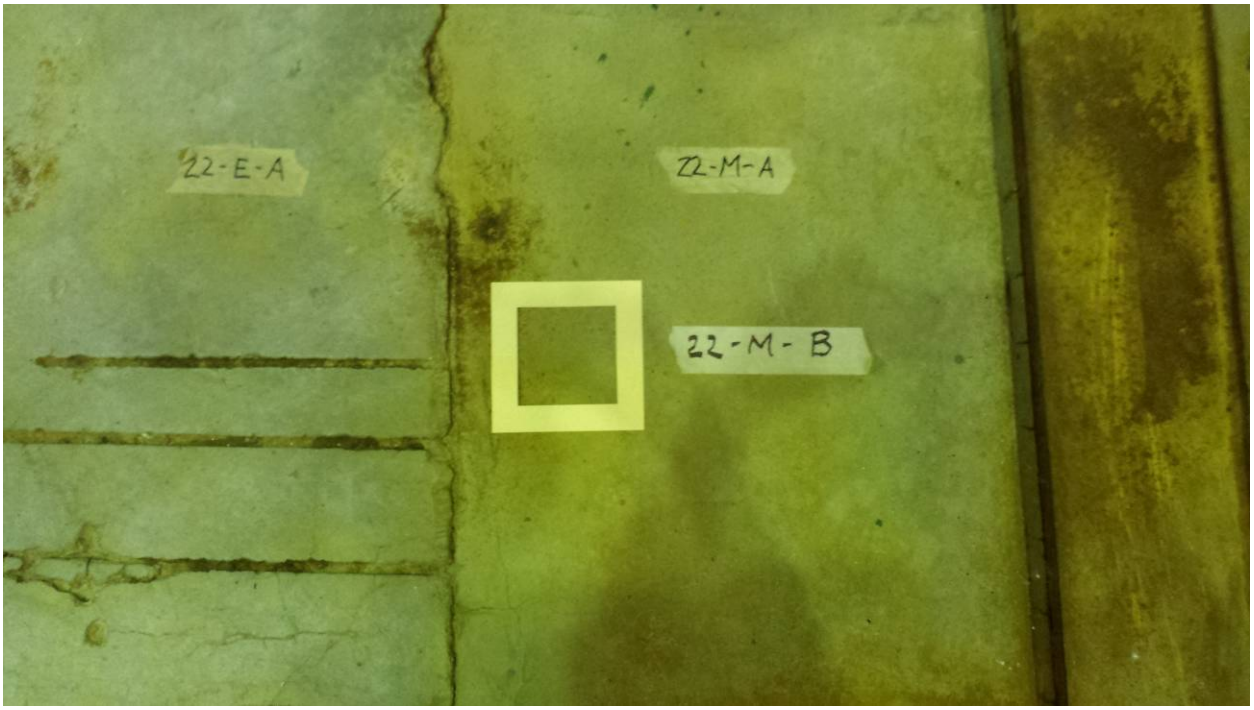
References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

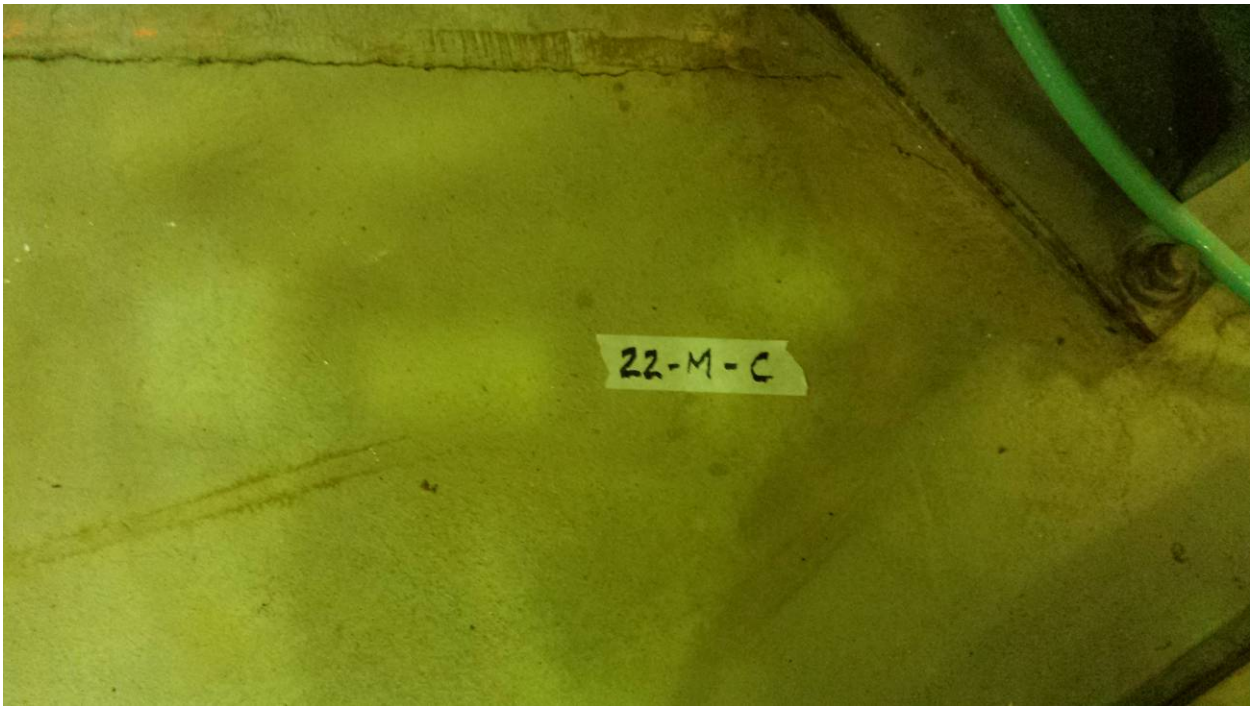
ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

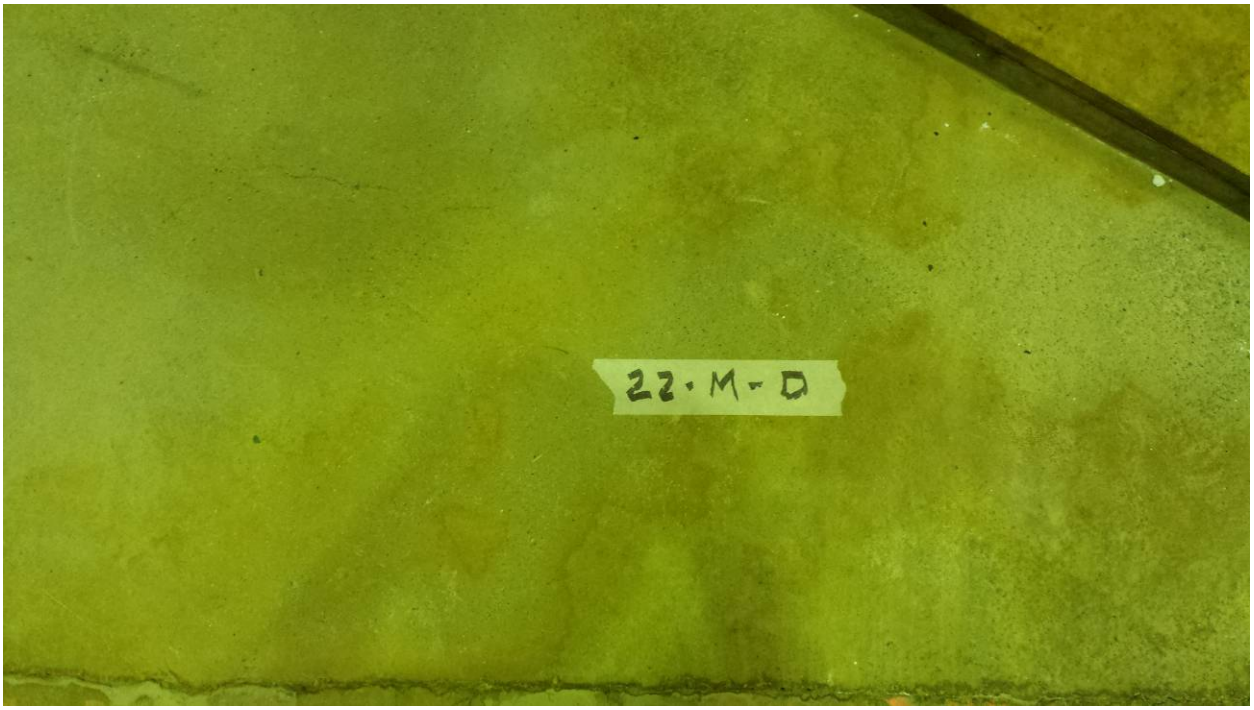
UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

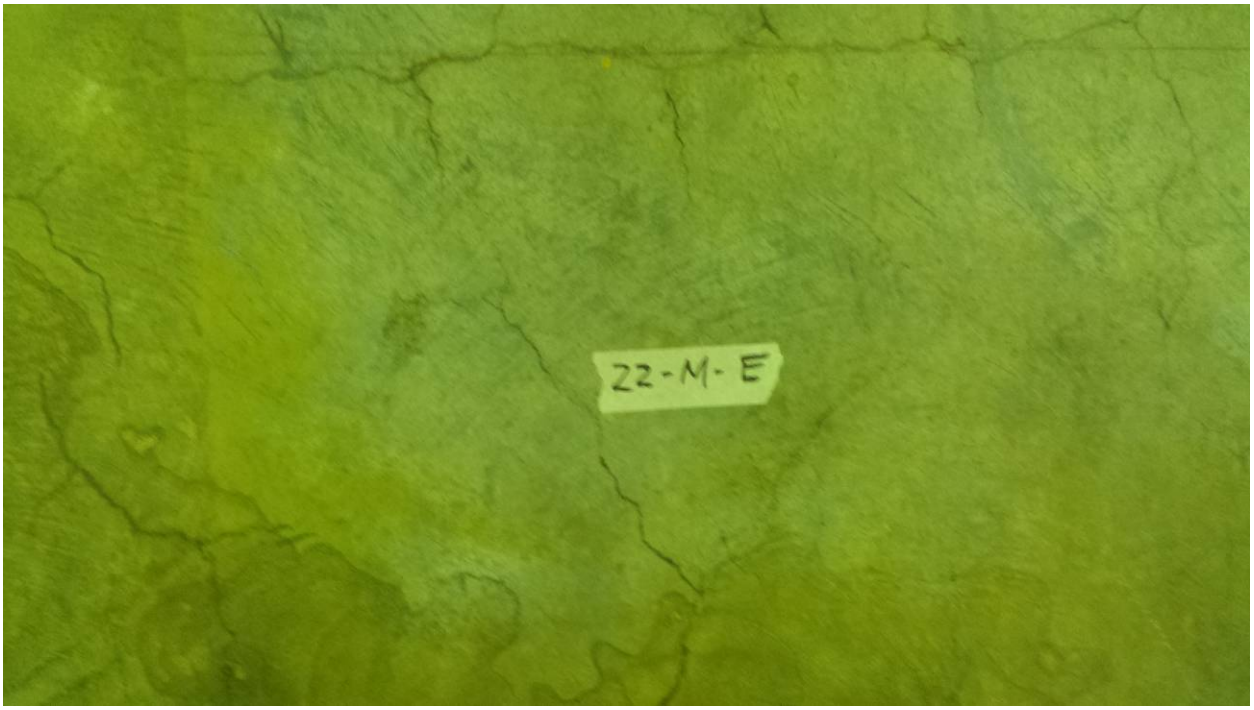
APPENDIX G

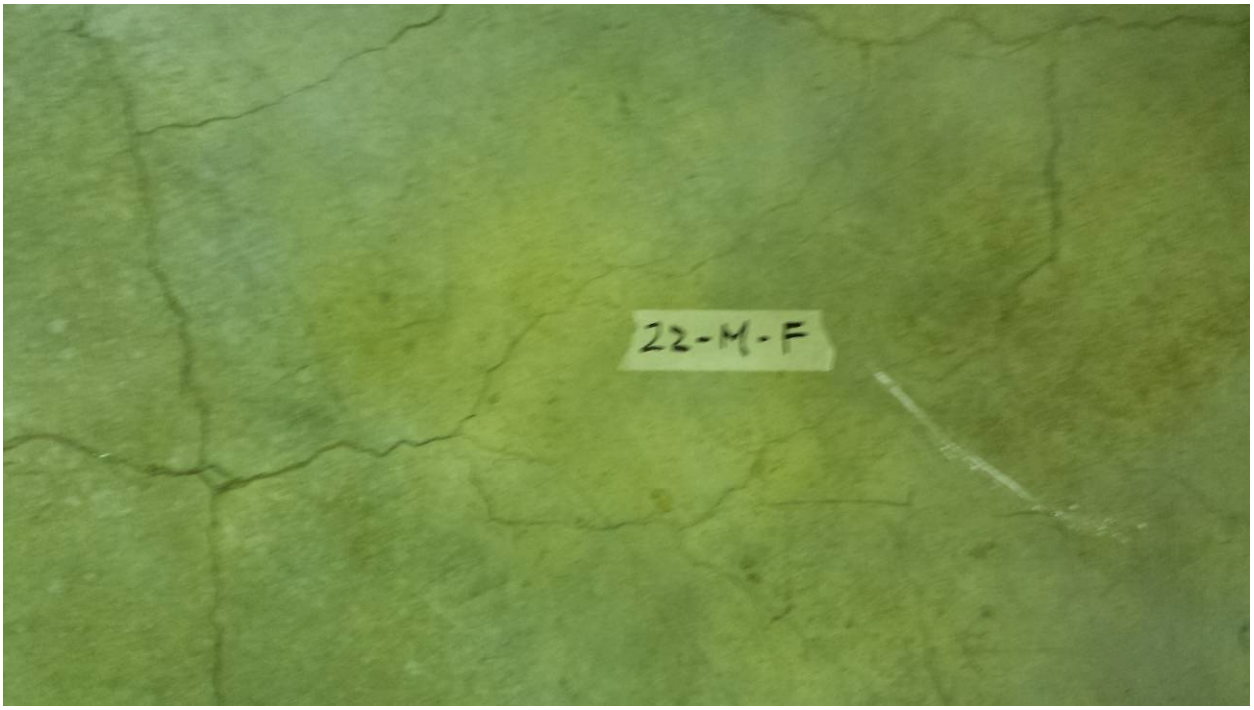
Photos of Sample Locations


22-E-A
22-M-A
22-M-B


22-M-C


22-M-D


22-M-E


22-M-F

APPENDIX H

Sampling Chain of Custody Form for Follow-Up Confirmation Sampling

Chain of Custody/Analytical Request Form

Nevada Analytical Services
855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Laboratory Use Only
Laboratory Identification: 0613041

Page 1 of 1

Company/Client	SOC Nevada LLC		
Report Address		**Invoice Address**	(Same as report) X
Contact: Kristi Lammel-Schilling		Contact:	
Address: 2 South Main Ave.		Address:	
City: Hawthorne		City:	
State: NV	Zip: 89415	State:	Zip:
Phone: 775 945-7729		Phone:	
Fax: 775 945-7782		Fax:	
Email: kristi.l.lammel-schilling.ctr@us.army.mil		Email:	
Report Results Via: → E-Mail X	→ Fax	→ Regular Mail	

SAMPLE INFORMATION

Sample by → Martin Moe		P.O. Number:	
Signature → Martin Moe		Site:	
Sample Origin → NV X →CA → Other		Project Name:	
EPA/Sate Compliance? → Yes X → No			

Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	Metals by 6010 B	Hg by 7470A
22-M-B Basement Floor	6-15-13	08:30	wipe	1	X	X
22-M-C Basement SW	6-15-13	08:31	wipe	1	X	X
22-M-D Basement NW	6-15-13	08:33	wipe	1	X	X
22-M-E Basement NE	6-15-13	08:35	wipe	1	X	X
22-M-F Basement SE	6-15-13	08:37	wipe	1	X	X
6						
7						
8						
9						
10						

ANALYSIS

PRESERVATION (Laboratory Use Only)
→ Field Preserved
→ Laboratory Preserved

CONTAINER
A | B | C | D | E | F | G | Z
Containers/Perservative

SEE ATTACHED (Analysis List)	None	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Hydrochloric Acid (HCL)	Sodium Hydroxide (NaOH)	Sodium Thiosulfate ($Na_2S_2O_3$)	Monochloroacetic Acid (MCA)	Cool (4°C)	Normal Turnaround Time (TAT)

RUSH
→ Same Day
→ 24-Hour X
→ 2-Day

Comments

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):	16.2	
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No
Custody Seal(s)?	Yes	No ✓	Cool-Down Started?	Yes ✓	No

COOLER ID(s): —

Shipped by: —

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print		Signature	
Company SOC Nevada LLC		Date/Time	
3) Relinquished by Print Steve Antoniol		Signature	Steven B. Antoniol
Company M.SE - TA		Date/Time	
1) Received by Print GAIL Bachmann		Signature	Gail Bachmann
Company NAS		Date/Time	6-17-13 3:05
4) Received by Print		Signature	
Company		Date/Time	

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be reported on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

Visit our site at www.nevadaanalytical.com for additional information, price schedule, forms, and more.

Document Number 11.

APPENDIX I

Sampling Analytical Results for Follow-Up Confirmation Sampling

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Nevada Analytical Services
Michael R. Genova
855 Mill Street, Suite 2A
Reno, NV 89502

Laboratory Report Identification: **0613041**
Submission Date: **6/17/2013**

Tuesday, June 18, 2013

SOC
Kristi Lammel-Schilling
9 South Main
Hawthorne, NV 89415

Dear Kristi :

Results for the analytical test(s) submitted on the date above are detailed in the following report.

Unless it is otherwise noted in the preceding analytical report(s), all samples submitted for analysis were received within their acceptable hold times, properly preserved, and in acceptable condition for their respective analyses.

Thank you for choosing NAS for your analytical testing requirements.

Report Comments:
None

Sincerely,

6/18/2013
Date

Michael R. Genova
Technical Director

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-B Basement Floor **Sampling Date:** 6/15/2013
Laboratory Sample Control Number: 0613041-1 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	6/18/2013	100	0.0005

Remarks: None

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-B Basement Floor
Laboratory Sample Control Number: 0613041-1
Sampling Date: 6/15/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Barium (Ba)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Cadmium (Cd)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Chromium (Cr)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Lead (Pb)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Selenium (Se)	ND	mg/L	0.50	6/18/2013	0.05	ND	106%
Silver (Ag)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%

QC Batch Identification: 061813-1
QC Batch Analysis Date: 6/18/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-C Basement SW **Sampling Date:** 6/15/2013
Laboratory Sample Control Number: 0613041-2 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	6/18/2013	100	0.0005

Remarks: None

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-C Basement SW
Laboratory Sample Control Number: 0613041-2
Sampling Date: 6/15/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Barium (Ba)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Cadmium (Cd)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Chromium (Cr)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Lead (Pb)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Selenium (Se)	ND	mg/L	0.50	6/18/2013	0.05	ND	106%
Silver (Ag)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%

QC Batch Identification: 061813-1
QC Batch Analysis Date: 6/18/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

6/18/2013

Michael R. Genova, Technical Director **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-D Basement NW **Sampling Date:** 6/15/2013
Laboratory Sample Control Number: 0613041-3 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	6/18/2013	100	0.0005

Remarks: None

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-D Basement NW
Laboratory Sample Control Number: 0613041-3
Sampling Date: 6/15/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Barium (Ba)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Cadmium (Cd)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Chromium (Cr)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Lead (Pb)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Selenium (Se)	ND	mg/L	0.50	6/18/2013	0.05	ND	106%
Silver (Ag)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%

QC Batch Identification: 061813-1
QC Batch Analysis Date: 6/18/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

6/18/2013

Michael R. Genova, Technical Director **Date**

References:
mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

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NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-E Basement NE **Sampling Date:** 6/15/2013
Laboratory Sample Control Number: 0613041-4 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	6/18/2013	100	0.0005

Remarks: None

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-E Basement NE
Laboratory Sample Control Number: 0613041-4
Sampling Date: 6/15/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Barium (Ba)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Cadmium (Cd)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Chromium (Cr)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Lead (Pb)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Selenium (Se)	ND	mg/L	0.50	6/18/2013	0.05	ND	106%
Silver (Ag)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%

QC Batch Identification: 061813-1
QC Batch Analysis Date: 6/18/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-F Basement SE **Sampling Date:** 6/15/2013
Laboratory Sample Control Number: 0613041-5 **Matrix:** Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	6/18/2013	100	0.0005

Remarks: None

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613041**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/17/2013
City:	Hawthorne	**Sampling Site:**	N/A
State:	NV	**Project:**	N/A
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 22-M-F Basement SE
Laboratory Sample Control Number: 0613041-5
Sampling Date: 6/15/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Barium (Ba)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Cadmium (Cd)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Chromium (Cr)	ND	mg/L	0.50	6/18/2013	0.05	ND	104%
Lead (Pb)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%
Selenium (Se)	ND	mg/L	0.50	6/18/2013	0.05	ND	106%
Silver (Ag)	ND	mg/L	0.50	6/18/2013	0.05	ND	102%

QC Batch Identification: 061813-1
QC Batch Analysis Date: 6/18/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

6/18/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

APPENDIX J

Evaporation Pond Samples Chain of Custody Form

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification:

Company/Client: SOC Nevada LLC

Report Address	Invoice Address (Same as report) X
Contact: kristi.l.lammel-schilling	Contact:
Address: 2 South Main Ave.	Address:
City: Hawthorne	City:
State: NV Zip: 89415	State: Zip:
Phone: 775 945-7729	Phone:
Fax: 775 945-7782	Fax:
Email: kristi.l.lammel-schilling.ctr@mail.mil	Email:

Report Results Via: → E-Mail X → Fax → Regular Mail

SAMPLE INFORMATION

Sample by → Martin Moe
Signature → Mart Moe
Sample Origin → NV X →CA → Other
EPA/Sate Compliance? → Yes X → No

P.O. Number: 13T003
Site: 117-2 (PODS)
Project Name: temp. closure for PODS

ANALYSIS: TCLP-8 Metals by 6010 & 7471; SEE ATTACHED (Analysis List)

PRESERVATION (*Laboratory Use Only*): →Field Preserved; →Laboratory Preserved

CONTAINER: A B C D E F G Z — Containers/Perservative: None; Nitric Acid (HNO_3); Sulfuric Acid (H_2SO_4); Hydrochloric Acid (HCL); Sodium Hydroxide (NaOH); Sodium Thiosulfate ($Na_2S_2O_3$); Monochloroacetic Acid (MCA); Cool (4°C)

Normal Turnaround Time (TAT)

RUSH: → Same Day; → 24-Hour; → 2-Day

Comments

	Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty	TCLP-8 Metals by 6010 & 7471	Normal TAT	RUSH
1	50-M-A Evap. Ponds sample	5-3-13	8:10	S	1	X	X	
2	51-M-A Evap. Ponds sample	5-3-13	8:11	S	1	X	X	
3								
4								
5								
6								
7								
8								
9								
10								

Laboratory Use Only

Container Intact?	Yes ✓ No	Receipt Temp (°C):		COOLER ID(s):	Shipped by:
Container Labeled Properly?	Yes ✓ No	On Ice?	Yes ✓ No		
Custody Seal(s)?	Yes No	Cool-Down Started?	Yes ✓ No		

Sample Matrix Key: Aqueous A; Soil/Solid S; Oil O

1) Relinquished by Print: Martin Moe	Signature: Mart Moe	1) Received by Print: GAJ Bachmann	Signature: Gail Bachmann
Company: SOC	Date/Time: 5-3-13 1:30	Company: NAS	Date/Time: 5-3-13 1:30
3) Relinquished by Print:	Signature:	4) Received by Print:	Signature:
Company:	Date/Time:	Company:	Date/Time:

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

APPENDIX K

Evaporation Pond Samples Analytical Results

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 50-M-A Evap. Ponds sample
Laboratory Sample Control Number: 0513014-61
Sampling Date: 5/3/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

Michael R. Genova, Technical Director — 5/15/2013 (Date)

Tracy M. Bills, Quality Assurance Officer — 5/15/2013 (Date)

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 50-M-A Evap. Ponds sample
Laboratory Sample Control Number: 0513014-61
Sampling Date: 5/3/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	0.65	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**Date** 5/15/2013	**Tracy M. Bills, Quality Assurance Officer**	**Date** 5/15/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 51-M-A Evap. Ponds sample
Laboratory Sample Control Number: 0513014-62

Sampling Date: 5/3/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	5/13/2013	100	0.0005

Remarks: None

5/15/2013		5/15/2013	
Michael R. Genova, Technical Director	**Date**	**Tracy M. Bills, Quality Assurance Officer**	**Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0513014**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	5/3/2013
City:	Hawthorne	**Sampling Site:**	117-2 (PODS)
State:	NV	**Project:**	Wipe Samples for temp closure for PODS
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	13T003
Fax:		**Sampled By:**	Client

Client Identification: 51-M-A Evap. Ponds sample
Laboratory Sample Control Number: 0513014-62
Sampling Date: 5/3/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Barium (Ba)	0.68	mg/L	0.50	5/13/2013	0.05	ND	98%
Cadmium (Cd)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%
Chromium (Cr)	ND	mg/L	0.50	5/13/2013	0.05	ND	98%
Lead (Pb)	ND	mg/L	0.50	5/13/2013	0.05	ND	97%
Selenium (Se)	ND	mg/L	0.50	5/13/2013	0.05	ND	100%
Silver (Ag)	ND	mg/L	0.50	5/13/2013	0.05	ND	99%

QC Batch Identification: 051313-1
QC Batch Analysis Date: 5/13/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%
QC Remarks: QC values within limits.

Remarks:

Michael R. Genova, Technical Director	**Date** 5/15/2013	**Tracy M. Bills, Quality Assurance Officer**	**Date** 5/15/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

APPENDIX L

Filter Press Sample Location Photos


41-M-A


41-E-A


40-E-A


40-M-A

APPENDIX M

Filter Press Samples Chain of Custody Form

M-1

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502
Phone: 775.284.3970 | Fax: 866.755.7619
EPA Lab Code: NV00923 | NV Laboratory ID: NV00923

Chain of Custody/Analytical Request Form

Laboratory Use Only
Laboratory Identification:

Page 1 of 1

Company/Client	SOC Nevada LLC		
Report Address		**Invoice Address** (Same as report) X	
Contact: Kristi Lammel-Schilling		Contact:	
Address: 2 South Main Ave.		Address:	
City: Hawthorne		City:	
State: NV	Zip: 89415	State:	Zip:
Phone: 775 945-7729		Phone:	
Fax: 775 945-7782		Fax:	
Email: kristi.l.lammel-schilling.ctr@us.army.mil		Email:	
Report Results Via: → E-Mail X	→ Fax	→ Regular Mail	

SAMPLE INFORMATION

Sample by → Steve Antonioli		P.O. Number:	
Signature →		Site: Hawthorne	
Sample Origin → NV X →CA	→ Other	Project Name:	
EPA/Sate Compliance? → Yes X	→ No	PODS 117-2	

Sample Identification (Name, Location, ect...)	Collection Date	Collection Time	Sample Matrix	Qty
40-M-A Filter Press	6-20-13	08:39	wipe	1
41-M-A Filter Press	6-20-13	08:42	wipe	1
40-E-A Filter Press	6-20-13	08:36	wipe	1
41-E-A Filter Press	6-20-13	[illegible]	wipe	1
6		08:44		
7				
8				
9				
10				

ANALYSIS

TCLP Metals By 6010B	TCLP Hg By 7470A	EXPLOSIVES BY 8330	SEE ATTACHED (Analysis List)
X	X		
X	X		
		X	
		X	

PRESERVATION (Laboratory Use Only) → Field Preserved / → Laboratory Preserved

CONTAINER

A	B	C	D	E	F	G	Z

Containers/Perservative

None	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Hydrochloric Acid (HCL)	Sodium Hydroxide (NaOH)	Sodium Thiosulfate ($Na_2S_2O_3$)	Monochloroacetic Acid (MCA)	Cool (4°C)

Normal Turnaround Time (TAT)	RUSH
X	
X	
X	
X	

RUSH → Same Day / → 24-Hour / → 2-Day

Comments

Laboratory Use Only

Container Intact?	Yes ✓	No	Receipt Temp (°C):				
Container Labeled Properly?	Yes ✓	No	On Ice?	Yes ✓	No		
Custody Seal(s)?	Yes	No ✓	Cool-Down Started?	Yes ✓	No		

COOLER ID(s): —

Shipped by: —

Sample Matrix Key	
Aqueous	A
Soil/Solid	S
Oil	O

1) Relinquished by Print		Signature 6-9	
Company SOC Nevada LLC		Date/Time	
3) Relinquished by Print	Steve Antonioli	Signature	
Company MSE		Date/Time 6-20-13 4:16 PM	

1) Received by Print	Gail Bachmann	Signature	Gail Bachmann
Company	NAS	Date/Time	6-20-13 4:16
4) Received by Print		Signature	
Company		Date/Time	

Certain circumstances will require samples submitted to Nevada Analytical Services LLC to be subcontracted to other certified laboratories in order to complete the required analysis. All sub-contracted data will be clearly noted on your analytical report. Samples are discarded thirty days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

White – Client Copy **Yellow** – Laboratory Copy **Pink** – Laboratory Administration Copy

APPENDIX N

Filter Press Samples Analytical Results

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Nevada Analytical Services
Michael R. Genova
855 Mill Street, Suite 2A
Reno, NV 89502

Laboratory Report Identification: 0613051
Submission Date: 6/20/2013

Wednesday, July 10, 2013

SOC
Kristi Lammel-Schilling
9 South Main
Hawthorne, NV 89415

Dear Kristi :

Results for the analytical test(s) submitted on the date above are detailed in the following report.

Unless it is otherwise noted in the preceding analytical report(s), all samples submitted for analysis were received within their acceptable hold times, properly preserved, and in acceptable condition for their respective analyses.

Thank you for choosing NAS for your analytical testing requirements.

Report Comments:
None

Sincerely,

7/10/2013
Date

Michael R. Genova
Technical Director

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 40-M-A Filter Press
Laboratory Sample Control Number: 0613051-1

Sampling Date: 6/20/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	7/2/2013	100	0.0005

Remarks: None

7/10/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 40-M-A Filter Press **Sampling Date:** 6/20/2013
Laboratory Sample Control Number: 0613051-1 **Matrix:** Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/28/2013	0.05	ND	96%
Barium (Ba)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Cadmium (Cd)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Chromium (Cr)	ND	mg/L	0.50	6/28/2013	0.05	ND	94%
Lead (Pb)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Selenium (Se)	ND	mg/L	0.50	6/28/2013	0.05	ND	97%
Silver (Ag)	ND	mg/L	0.50	6/28/2013	0.05	ND	92%

QC Batch Identification: 062813-1 **Dilution Factor:** 10
QC Batch Analysis Date: 6/28/2013
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.

QC Remarks: QC values within limits.

Remarks:

7/10/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 41-M-A Filter Press
Laboratory Sample Control Number: 0613051-2
Sampling Date: 6/20/2013
Matrix: Solid

Analyses	Description	Result	Reporting Limit	Units	Method	Date Analyzed	DF	DL
Mercury (Hg)	Extracted Using TCLP Method 1311	ND	0.05	mg/L	EPA 7470A	7/2/2013	100	0.0005

Remarks: None

7/10/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 41-M-A Filter Press
Laboratory Sample Control Number: 0613051-2
Sampling Date: 6/20/2013
Matrix: Solid

7 Metals

by Inductively Coupled Plasma / Atomic Emission Spectrometry (ICP/AES)
EPA Method 6010

Note: Extracted using TCLP Method 1311

Analyses	Result	Units	RL	Date Analyzed	Detection Limit	Quality Control Data: Method Blank	Quality Control Data: *CCV % Recovery
Arsenic (As)	ND	mg/L	0.50	6/28/2013	0.05	ND	96%
Barium (Ba)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Cadmium (Cd)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Chromium (Cr)	ND	mg/L	0.50	6/28/2013	0.05	ND	94%
Lead (Pb)	ND	mg/L	0.50	6/28/2013	0.05	ND	95%
Selenium (Se)	ND	mg/L	0.50	6/28/2013	0.05	ND	97%
Silver (Ag)	ND	mg/L	0.50	6/28/2013	0.05	ND	92%

QC Batch Identification: 062813-1
QC Batch Analysis Date: 6/28/2013
Dilution Factor: 10
CCV = Continuing Calibration Verification
* Continuing Calibration Verification (CCV) Percent Recovery Criteria: 80 - 120%.
QC Remarks: QC values within limits.

Remarks:

7/10/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 40-E-A Filter Press
Laboratory Sample Control Number: 0613051-3
Sampling Date: 6/20/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	7/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	7/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	7/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	7/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	7/10/2013
Nitrobenzene	ND	mg/kg	10	7/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	7/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	7/10/2013
2-Nitrotoluene	ND	mg/kg	10	7/10/2013
4-Nitrotoluene	ND	mg/kg	10	7/10/2013
3-Nitrotoluene	ND	mg/kg	10	7/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	82	7/10/2013	50 - 150%

Michael R. Genova, Technical Director — **Date** 7/10/2013

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Reported analytical results relate only to the item(s) tested or to the sample(s) as received by the laboratory.

Laboratory Report Identification: 0613051

Nevada Analytical Services

855 Mill Street, Suite 2B, Reno, NV 89502 | Phone: 775.284.3970 | Fax: 866.755.7619
NV Laboratory ID: NV00923 | EPA Laboratory ID: NV00923

Contact:	Kristi Lammel-Schilling	**Laboratory Report Identification:**	**0613051**
Company/Client:	SOC		
Address:	9 South Main	**Submission Date:**	6/20/2013
City:	Hawthorne	**Sampling Site:**	Hawthrone
State:	NV	**Project:**	PODS 117-2
Zip:	89415	**Reference Number:**	N/A
Phone:	(775) 945-7582	**PO Number:**	N/A
Fax:		**Sampled By:**	Client

Client Identification: 41-E-A Filter Press
Laboratory Sample Control Number: 0613051-4
Sampling Date: 6/20/2013
Matrix: Solid

Nitroaromatics and Nitramines

by High Performance Liquid Chromatography (HPLC)
EPA Method 8330A

Analyses	Result	Units	RL	Date Analyzed
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX)	ND	mg/kg	10	7/10/2013
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	ND	mg/kg	10	7/10/2013
1,3,5-Trinitrobenzene	ND	mg/kg	10	7/10/2013
1,3-Dinitrobenzene	ND	mg/kg	10	7/10/2013
Methyl-2,4,6-trinitrophenylnitramine (Tetryl)	ND	mg/kg	10	7/10/2013
Nitrobenzene	ND	mg/kg	10	7/10/2013
2,4,6-Trinitrotoluene	ND	mg/kg	10	7/10/2013
4-Amino-2,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2-Amino-4,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2,6-Dinitrotoluene	ND	mg/kg	10	7/10/2013
2,4-Dinitrotoluene	ND	mg/kg	2.5	7/10/2013
2-Nitrotoluene	ND	mg/kg	10	7/10/2013
4-Nitrotoluene	ND	mg/kg	10	7/10/2013
3-Nitrotoluene	ND	mg/kg	10	7/10/2013

QC Remarks:

Surrogate Recovery	Recovery (%)	Date Analyzed	Acceptance Range
1,2-Dinitrobenzene	88	7/10/2013	50 - 150%

7/10/2013

Michael R. Genova, Technical Director **Date**

References:

mg/L: Milligrams/Liter (ppm)
mg/kg: Milligrams/Kilogram (ppm)
ppm: Parts per million
* Analyzed by Contract Laboratory

ND: Not Detected at RL
RL: Reporting Limit (calculation, RL = DF * DL)
DF: Dilution Factor
DL: Detection Limit

UL: Under Laboratory Established Limits
OL: Over Laboratory Established Limits

Reported analytical results relate only to the item(s) tested or to the sample(s) as received by the laboratory.

Laboratory Report Identification: 0613051