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2014 ANNUAL REPORT CERCLA NON-TIME CRITICAL REMOVAL ACTION

MIDWAY ATOLL NATIONAL WILDLIFE REFUGE MIDWAY ISLAND

Contract No. F11PC00327

Prepared by:

NW Demolition and Environmental
A Joint Venture

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March 4, 2015

2014 Annual Report
CERCLA Non-time Critical Removal Action
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1.0 INTRODUCTION

NW Demolition and Environmental (NWDE) has prepared this 2014 Annual Report for the U.S. Fish and Wildlife Service (FWS) as part of its contract to complete a non-time critical removal action (NTCRA) relating to the removal of lead-based paint (LBP) from structures and lead-contaminated soil at Sand Island, Midway Atoll National Wildlife Refuge (Refuge or Site) (Figure 1). The removal action is being performed by the FWS under the Comprehensive Environmental Response, Compensation, and Liability Act, (CERCLA) clean up authorities [42 United States Code (USC) 9604, 10 USC 2705], Federal Executive Order 12580 and the July 7, 2011 "*Action Memorandum for a Non-Time Critical Removal Action at Midway Atoll National Wildlife Refuge*".

This report documents the activities executed on-island as part of this contract between 9 September and 21 October 2014. Appendix A contains copies of the daily field reports for the 2014 season and Appendix B contains printed copies of a limited number of site photographs and a digital video disk (DVD) that contains electronic versions of photographs taken during the 2014 field season.

The work was conducted in general accordance with the CERCLA Guidelines, NWDE's Removal Action Work Plan (RAWP) dated 29 February, 2012, Geosyntec Consultants Inc. (Geosyntec) Soil Sampling Work Plan dated August 2013 and the revised Health and Safety Plan (HASP) (NWDE, 2012).

2.0 BACKGROUND

A January 2011 Engineering Evaluation/Cost Analysis (EE/CA) (GeoEngineers, 2011) evaluated CERCLA NTCRA alternatives based on a cleanup goal of 75 milligrams per kilogram (mg/kg) for lead in soil. Of the alternatives evaluated, the EE/CA identified Alternative 3 as the chosen method to complete the removal action in each of the nine Decision Units (DU). Figure 1 details the layout with each DU. In general, the scope of work involves: 1) LBP removal from existing structures and re-painting using encapsulation paint; 2) asbestos containing materials (ACM) removal/treatment and demolition with off-site disposal; 3) excavation and on-site treatment and consolidation of lead-contaminated soil; and 4) demolition of several buildings and two above-ground oil storage tanks (AST).

The Removal Action is being conducted over multiple years during months when the majority of the birds are not present on the Site; generally July through October of each year. Work elements by year are as follows:

- 2011 – Placing Shade Cloth over the excavation areas in DU1, DU2 and DU6; and lead abatement of Buildings 349, 363, and 357 in DU6 (Complete).
- 2012 – Design and construction of R-2 and removal actions for DU1 and DU6. (Complete).

- 2013 – Removal action for DU2. Including lead abatement of Buildings 259, 2403 and 2404 in DU4 (Complete).
- 2014 – Removal action for DU4 and DU7 plus placement of shade cloth in DU5 and DU3 (Complete).
- 2015 – Removal action for DU5, DU3, and DU8*.
- 2016 – Removal action for DU9.

*The proposed schedule may be adjusted depending on the availability of funding.

3.0 ADDITONAL SOIL CHARACTERIZATION

At the onset of the 2014 field season, additional soil samples were collected from DU5 and DU7. In total, 33 soil samples (including duplicates) were collected from DU5 and 11 soil samples were collected from DU7. The purpose of sampling was to provide additional analytical data for soil such that contaminant distribution and related removal actions (removal of soils in excess of 75 mg/kg) could be further defined.

3.1 Sample Locations and Selection Process

The sampling locations for DU5 are shown on Figure 2 and the sampling locations for DU7 on Figure 3. Sample locations were selected by first evaluating the historical soil analytical data using Visual Sampling Plan (VSP) software developed by the U.S. Department of Energy. VSP was used to determine where additional sample points would provide better delineation of lead in soil concentrations and reduce uncertainty in the development of contaminant distribution contours.

In conjunction with VSP, the project team also used the modeling capabilities of MVS DrillGuide© to determine the location of potential sampling points. DrillGuide© was used to statistically determine the number of additional sampling locations. DrillGuide© evaluates trends in existing data to determine the optimal location for additional sampling, focusing on areas with higher levels of uncertainty.

3.2 Sampling Procedures

Geosyntec staff completed the sampling effort during the 2014 field season. In total, 44 samples (including duplicates) were collected and analyzed. This included 33 soil samples from DU7 and 11 soil samples from DU5. Appendix C presents a discussion of the field procedures used to collect soil samples.

In general, soil samples were collected in the intervals between 0 to 6-inches, 12 to 18-inches and in most locations 24 to 30-inches below ground surface (bgs). The collection of deeper samples was not possible at all locations due to auger refusal. In addition, one duplicate sample was collected and analyzed for every 20 primary samples. Soil sampling in the 0 to 6-inch interval was completed using composite sampling techniques, whereby a five-point composite sample was collected from a 10-foot radius

of each exploration. The use of the composite sample was intended to provide a more thorough characterization in the most exposed soil profile.

All samples were submitted for laboratory analysis of lead by US Environmental Protection Agency (EPA) method 6010. Table 1 summarizes the lead in soil results for the 2014 sampling event for DU7 and DU5. Laboratory analytical deliverables are presented in Appendix D. Appendix D also contains a quality assurance/quality control (QA/QC) evaluation of the field event and analytical data and a data review checklist for each of the laboratory analytical packets. Based on the data quality review, the results are valid and usable.

3.3 Results

Using the analytical results from the EE/CA, the December 2012 sampling, the 2013 field sampling and the 2014 field sampling, Geosyntec utilized MVS DrillGuide© to model the reduction in spatial uncertainty of lead concentrations in shallow soil. DrillGuide© uses spatial contouring of soil contamination data to determine the volume of lead-impacted soil that is greater than 75 mg/kg.

Figures 4 and 5 illustrate the modeled extent around the structures within DU5 and DU7 that exceed the cleanup value of 75 mg/kg, respectively.

The following sections provide a brief summary of the model results and revised soil volume calculations for the two DUs. In addition, we have included a discussion of the results from the 2013 sampling for DU3 and DU4.

3.3.1 DU3

The removal volume for DU3 estimated by the EE/CA was 2,000 cubic yards (cy). Using the results from the 2013 field event and previous events, the revised excavation volume (with a 20 percent safety factor to account for excavation slopes and mechanical limitations) for DU3 is 2,128 cy. Figure 6 shows the proposed excavation limits and depths for the removal action within DU3. The removal of soils from DU3 are planned for the 2015 field season.

3.3.2 DU4

The removal volume for DU4 estimated by the EE/CA was 2,000 cy. Using the results from the 2014 field events and previous sampling events, the revised excavation volume based on the modeling results (with a 20 percent safety factor) for DU4 was 3,100 cy. Figure 7 shows the excavation limits and depths that were implemented during the 2014 field season. Please see section 4.1 for a discussion of the actual field removal volumes.

3.3.3 DU5

The removal volume for DU5 estimated by the EE/CA was 1,000 cy. The EE/CA volumes include the removal of soil around the R-2 Unit and the Transmitter Building. At this time, no soil removal is planned around the R-2 unit, however the soils identified during previous investigations as containing lead above 75 mg/kg will be treated in place with MAECTITE®. This is based on the current design where the R-2 walls will be supported with clean soil. As such, the revised excavation volume for DU5 is based on only excavating soils around the Transmitter Building. Using the results from the 2014 and previous sampling events, the revised excavation volume for DU5 is 846 cy. Figure 8 shows the proposed excavation limits and depths for the removal action within DU5. The removal of soils from DU5 are planned for the 2015 field season.

3.3.4 DU7

The removal volume for DU7 estimated by the EE/CA was 3,200 cy. Using the results from the 2014 and previous sampling events, the revised excavation volume for DU7 was 3,114 cy. Figure 9 shows the excavation limits and depth that were implemented during the 2014 field season. Please see section 4.2 for a discussion of the actual field removal volumes.

4.0 2014 FIELD ACTIVITIES

4.1 Decision Unit 4

Copies of the daily field logs for the 2014 field season are provided in Appendix A. Due to its volume, Appendix A has been provided in a separate binder. Appendix B contains printed copies of a limited number of site photographs and a digital video disk (DVD) that contains electronic versions of photographs taken during the 2014 field season. Field work in DU4 consisted of the following activities.

4.1.1 Excavation of Soil

Prior to excavation, liquid MAECTITE® was applied to soils within the designated excavation areas. Based on the previous treatment study, the minimum prescribed application rate was 0.75 gallons of MAECTITE® per cubic yard (gal/cy) of soil processed. After the MAECTITE® had soaked into the target area, the soil was mixed to homogeneity to the prescribed excavation depths (Figure 8). Following an approximate three-hour reaction time period, the soil was loaded into a six-wheel articulating off-road truck and transported to the R-2 unit. Dust control measures (water) were used to prevent fugitive dust during the excavation.

During the field activities, field staff and excavation operators setup known volume grids (i.e. 10’x10’x1’) and applied MAECTITE® at 0.75 gal/cy. Using the applied MAECTITE® volumes, the volume of soil removed from DU4 is estimated at 2,110 cy.

Table 2 provides a summary of the soil excavation volumes and Figure 7 shows the extent of soil excavation from DU4.

Table 2 also provides a summary of the MAECTITE® usage during the 2014 field season.

4.1.2 Confirmation Soil Sampling

Following completion of any single excavation (i.e. that associated with a single building), confirmation samples were collected to document the remaining lead concentrations. Confirmation samples were obtained using multiple increments sampling (MIS) methodology. Procedures for the MIS procedures were provided in the Field Sampling Plan (FSP), which was included as Appendix B of the RAWP.

Confirmation sample areas were determined in the field based on excavation limits and building layouts. Once the sample area was determined, each area was divided into 32 approximately equally sized areas. Random points were then picked in each of the sub-divisions for collection of an increment sample. Two additional random points were also then selected in each of the sub-divisions for collection of an increment for both duplicate samples. This process was repeated until all 32 sub-divisions have had an increment collected (plus the triplicates).

The incremental samples were submitted to TestAmerica for compositing and analysis using MIS laboratory methods and techniques. In total, five MIS samples and six duplicate/triplicate samples were collected from the excavation boundaries of DU4. Table 3 provides a summary of the confirmation sampling results and Figure 10 shows the location of each MIS sampling area.

Lead was detected in each sample and the duplicate at concentrations ranging from 6 mg/kg to 24 mg/kg. All results were below the 75 mg/kg cleanup level. Appendix D contains a copy of TestAmerica's laboratory results.

4.1.3 Backfilling

DU4 was backfilled with clean sand from the borrow area between the fuel pier and cargo pier. The clean sand was excavated with a Volvo 290 or Caterpillar 308 excavator and hauled in an off-road truck to DU4. The sand was dumped and spread to match the existing grade.

4.2 Decision Unit 7

Field work in DU7 consisted of the following activities.

4.2.1 LBP Abatement

During the 2014 field activities, Iniki Enterprises Limited (Iniki) abated lead based paint (LBP) from the exterior of structures in DU7. Following establishment of an exclusion zone, the placement of plastic groundcover in the area, and sealing off surfaces that were not to be abated, a MAECTITE®/water solution was applied to the surface of the buildings in DU7. Following a reaction period, loose flaking paint chips were removed from all surfaces including all doors, windows, and trim pieces using hand tools (scrapers). Where surfaces were inaccessible due to safety concerns, loose, flaking paint chips were removed using a power washer. Abated surfaces were rinsed clean by means of a power washer with a detergent (Simple Green®)/water solution. Clean, abated surfaces were then primed with one coat of Lead Stop® primer paint within 24 hours of abatement. Cracks in concrete were sealed with an acrylic latex caulk. Abated surfaces were then primed and painted with one coat of the top coat paint.

During the abatement of LBP from DU-7 structures, Iniki used personal air monitors to monitor asbestos fiber counts and lead in air to verify that dust control measures were implemented, and the work was performed in a manner consistent with regulatory requirements. Air samples were analyzed in accordance with NIOSH Method 7400. All samples collected were below the method reporting limit (0.0045 fibers per cubic centimeter [f/cc]) for each daily sample.

The air samples were also analyzed for total lead by EPA Method 7082m. All samples collected were below the method reporting limit (ranged from <3.3 micrograms per cubic meter [$\mu g/m^3$] to 6.7 $\mu g/m^3$).

A copy of Iniki's reports for asbestos monitoring in DU-7 is included in Appendix E.

Paint chips were swept and vacuumed up immediately following abatement and secured along with soiled polyethylene sheeting drop cloths, personal protective equipment (PPE) and other LBP waste. Abatement waste was stored and secured in a shipping container at the airport hangar for future transportation and disposal.

4.2.2 Excavation of Soil

Prior to excavation, liquid MAECTITE® was applied to soils within the designated excavation areas. After the MAECTITE® had soaked into the target area the soil was disrupted and mixed to homogeneity to the prescribed excavation depths (Figure 9). Following an approximate three hour reaction time period, the soil was ready for excavation and transportation to the R-2 unit. Soil was then loaded into a six-wheel articulating off-road truck and transported to the R-2 unit. Dust control measures (water) were used to prevent fugitive dust during the excavation.

During the field activities, field staff and excavation operators setup known volume grids (i.e. 10'x10'x1') and applied MAECTITE® at approximately 0.75 gal/cy. Using the applied MAECTITE® volumes, the volume of soil removed from DU7 is estimated at 3,060 cy.

Table 2 provides a summary of the soil excavation volumes and Figure 9 shows the extent of soil excavation from DU7. Table 2 also provides a summary of the MAECTITE® usage during the 2014 field season.

4.2.3 Confirmation Soil Sampling

Confirmation samples were obtained using MIS methodology. Procedures for the MIS procedures were provided in the FSP, which was included as Appendix B of the RAWP.

Confirmation sample areas were determined in the field based on excavation limits and building layouts. Once the sample area was determined, each area was divided into 32 approximately equally sized areas. Random points were then picked in each of the sub-divisions for collection of an increment sample. Two additional random points were also then selected in each of the sub-divisions for collection of an increment for both duplicate samples. This process was repeated until all 32 sub-divisions have had an increment collected (plus the triplicates).

The incremental samples were submitted to TestAmerica for compositing and analysis using MIS laboratory methods and techniques. In total, five MIS samples and six duplicate/triplicate samples were collected from the excavation boundaries of DU7. Table 3 provides a summary of the confirmation sampling results and Figure 11 shows the location of each MIS sampling area.

Lead was detected in each sample and the duplicate at concentrations ranging from 0.74 mg/kg to 59 mg/kg. All results were below the 75 mg/kg cleanup level. Appendix D contains a copy of TestAmerica's laboratory results, along with a discussion of quality assurance and quality control for the analytical results.

4.2.4 Backfilling

DU7 was backfilled with clean sand from the borrow area between the fuel pier and cargo pier. The sand was dumped and spread to match the existing grade.

4.2.5 Management of Flaked Paint Chips

During the 2014 field event, field staff noted that paint chips were visible within 5-feet of numerous buildings within DU7. The paint chips were primarily visible in the upper 4-inches of soil. At the request of the FWS, representative chip samples were collected from the soils near the foundation wall of Building 3503. The chip samples were collected by sifting through soil from 0 to 10 inches below ground surface. The bulk of the chip samples were white on the exterior (weathered side) and a light green color on

the back (concrete wall side). A small percent of the chips were a pinkish cram color on the weathered side.

The paint from Chip A sample contained 64 mg/kg of lead and Chip C sample contained 800 mg/kg, well above the limit where a paint is considered to contain lead. Table 1 contains the results of the chip samples.

At the completion of the field season, the FWS requested that shade cloth be placed in areas where chips were visible around buildings. Figure 12 shows where shade cloth was placed in DU7.

In addition shade cloth was placed over the proposed excavation areas within DU3. Figure 13 shows the locations were shade cloth was placed in DU3. Locations on Figure 13 where excavations are proposed were covered.

4.3 MAECTITE® Application to Buildings Slated for Demolition

During the 2014 field event, numerous buildings, slated for future demolition were treated with MAECTITE®. Figure 14 shows the location of those buildings that were treated. No excavation or abatement work was completed at any of these structures.

4.4 R-2 Unit

The R-2 unit is being used for the permanent internment of the stabilized waste materials. The current design includes the filling of the R-2 with waste material to the top of the concrete blocks with the capping of the excavated material with clean soil. In addition, the exterior of the R-2 wall will be buttressed with clean soil. The final cover design for Option B is currently being revised. Under Option B, the waste capacity of the unit is approximately 30,300 cy. Based on field measurements and volume calculations, the R-2 Unit has approximately 9,800 cy of capacity remaining.

4.4.1 Treatment Confirmation Sampling

Following annual stockpiling of treated soil in the R-2 consolidation unit, a single treatment confirmation sample (R2/Cell 3 0-6”) was collected on October 15, 2014 and analyzed using Multiple Extraction Procedure (MEP) by EPA Method 1320. The MEP testing was conducted on treated soils and subjects the same soil sample to successive leaches of acidic solution at a ratio of 20 to 1. The soil-liquid mix is agitated for 24 hours after which the liquid is extracted and analyzed. The soil, without drying, is then weighed and new 20:1 mixture of leachate added for a 24 hour period. This procedure is repeated nine times. The procedure is designed to evaluate the long term effect of infiltration of acid-rain water through a landfill soil matrix.

The analytical results are included in Table 4. The sample did not contain lead concentrations above the method reporting limit of 10 micrograms per liter (μg/l). The MEP method is designed to understand leachability from solid waste caused by

infiltration of acid rain and is intended to simulate 1,000 years of soil exposure to a leaching medium. The method, by subjecting the same solid matrix to successive leaches, effectively subjects the sample to increasing acidity. Therefore, the procedure provides a long-term estimate of metal mobility to groundwater from buried waste.

These results are consistent with MAECTITE® performance expectations, and are well below the toxicity characteristic leaching procedure (TCLP) limit (5 mg/l) for lead.

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TABLES

TABLE 1
2014 ADDITIONAL SOIL SAMPLING RESULTS - DU5 AND DU7
MIDWAY ATOLL NWR

Sample Identification	Sample Date	Lead Concentration (mg/kg)
Building 5309 (Transmitter) - DU5		
5309-P16 0-6	10/1/2014	33
5309-P16 12-18	10/1/2014	6.9
5309-P16 24-30	10/1/2014	<1.1
5309-P18 0-6	10/1/2014	100
5309-P18 12-18	10/1/2014	0.31
5309-P18 24-30	10/1/2014	<1.3
5309-P19 0-6	10/1/2014	170
5309-P19 12-18	10/1/2014	<1.2
5309-P19 24-30	10/1/2014	<1.3
5309-P20 0-6	10/1/2014	35
5309-P20 12-18	10/1/2014	15
5309-P20 24-30	10/1/2014	4.2
5309-P21 0-6	10/1/2014	73
5309-P21 12-18	10/1/2014	42
5309-P21 24-30	10/1/2014	1.4
5309-P22 0-6	10/1/2014	44
5309-P22 12-18	10/1/2014	7.8
5309-P22 24-30	10/1/2014	<1.3
5309-P23 0-6	10/2/2014	170
5309-P23 0-6 DUP		150
5309-P23 12-18	10/2/2014	12
5309-P23 12-18 DUP		10
5309-P23 24-30	10/2/2014	2.1
5309-P23 24-30 DUP		1.5
5309-P24 0-6	10/2/2014	190
5309-P24 12-18	10/2/2014	7
5309-P24 24-30	10/2/2014	9
5309-P25 0-6	10/3/2014	66
5309-P25 12-18	10/3/2014	14
5309-P25 24-30	10/3/2014	13
5309-P26 0-6	10/3/2014	87
5309-P26 12-18	10/3/2014	6.4
5309-P26 24-30	10/3/2014	2.2

TABLE 1
2014 ADDITIONAL SOIL SAMPLING RESULTS - DU5 AND DU7
MIDWAY ATOLL NWR

Sample Identification	Sample Date	Lead Concentration (mg/kg)
Building 3529 (Laundry) - DU7		
3529-P1 0-6	9/15/2014	21
3529-P1 12-18	9/15/2014	4.9
3529-P1 24-30	9/15/2014	3.2
3529-P2 0-6	9/15/2014	17
3529-P2 12-18	9/15/2014	30
3529-P2 24-30	9/15/2014	69
3529-P3 0-6	9/15/2014	19
3529-P3 12-18	9/15/2014	3.3
3529-P4 0-6	9/15/2014	24
3529-P4 12-18	9/15/2014	86
3529-P4 24-30	9/15/2014	19
Chip Samples -DU4		
3503-Chip A	10/16/2014	64
3503-Chip C	10/16/2014	800
QA/QC Results*		
EQUIPMENT BLANK	10/18/2014	<0.03

Notes

1. Lead was analyzed by Environmental Protection Agency Method 6010B.
2. Results based on wet weight.
3. Shading indicates concentration exceeds the cleanup value of 75 mg/kg.
4. "*" = QA/QC samples are reporting in miligrams per liter (mg/l)

mg/kg - milligram per kilogram

TABLE 2
DAILY SUMMARY
MIDWAY ATOLL NWR

Date	Maectite Totals (gal)				Treated Soil Totals[1]		
	Applied to Soils (DU4)	Applied to Soils (DU7)	Applied to Walls (DU7)	Cumulative Total	Treated Soil (Loads)[2]	Excavated / Hauled to R-2 Unit (LCY)	Excavated / Hauled to R-2 Unit Cumulative Total (LCY)
9/9/2014	0	0	0	0	0	0	0
9/10/2014	53	0	20	73	3	37	37
9/11/2014	204	0	5	282	22	271	308
9/12/2014	117	0	5	404	15	185	493
9/13/2014	240	0	10	654	19	234	727
9/15/2014	260	0	10	924	34	419	1,147
9/16/2014	175	0	15	1,114	12	148	1,295
9/17/2014	314	0	10	1,437	22	271	1,566
9/18/2014	111	0	0	1,548	25	308	1,874
9/19/2014	38	0	1	1,587	12	148	2,022
9/20/2014	71	0	10	1,668	7	86	2,108
9/22/2014	0	398	10	2,076	24	362	2,471
9/23/2014	0	341	0	2,417	28	423	2,894
9/24/2014	0	332	0	2,749	31	468	3,362
9/25/2014	0	69	0	2,818	10	151	3,513
9/26/2014	0	126	0	2,944	6	91	3,603
9/27/2014	0	225	0	3,169	23	347	3,951
9/29/2014	0	381	0	3,549	22	332	4,283
9/30/2014	0	257	0	3,806	36	544	4,826
10/1/2014	0	130	0	3,936	11	166	4,993
10/2/2014	0	6	0	3,942	1	15	5,008
10/3/2014	0	0	0	3,942	0	0	5,008
10/4/2014	0	0	0	3,942	0	0	5,008
10/6/2014	0	0	0	3,942	0	0	5,008
10/7/2014	0	0	0	3,942	0	0	5,008
10/8/2014	0	0	0	3,942	0	0	5,008
10/9/2014	0	9	0	3,951	1	15	5,023
10/10/2014	0	22	0	3,973	3	45	5,068
10/11/2014	0	0	0	3,973	0	0	5,068
10/13/2014	0	0	0	3,973	0	0	5,068
10/14/2014	0	0	0	3,973	0	0	5,068
10/15/2014	0	0	0	3,973	0	0	5,068
10/16/2014	0	0	0	3,973	0	0	5,068
10/17/2014	0	0	0	3,973	0	0	5,068
10/18/2014	0	0	0	3,973	0	0	5,068
10/20/2014	0	0	0	3,973	0	0	5,068
10/21/2014	0	0	0	3,973	0	0	5,068
Totals	1,582	2,295	96	3,973	367	5,068	5,068

Notes
1. Estimates are based on MAECTITE volume usage with an application rate rate of 0.75 gallons per cubic yard.
2. Treated soil and concrete loads were hauled to and deposited in the R-2 Unit.
LCY - loose cubic yard
gal - gallon

TABLE 3
DU4 AND DU7 CONFIRMATION SAMPLING ANALYTICAL RESULTS
MIDWAY ATOLL NWR

Sample Identification	Date	Lead Concentration (mg/kg)	Relative Percent Difference
DU-4 MIS (1) 0-2	9/27/2014	13	35%
DU-4 MIS (1) 0-2 DUP	9/27/2014	9.1	
DU-4 MIS (2) 0-2	9/26/2014	12	67%
DU-4 MIS (2) 0-2 DUP	9/26/2014	24	
DU-4 MIS (3) 0-2	9/26/2014	15	62%
DU-4 MIS (3) 0-2 DUP	9/26/2014	7.9	
DU-4 MIS (4) 0-2	9/24/2014	12	8%
DU-4 MIS (4) 0-2 DUP	9/24/2014	13	
DU-4 MIS (5) 0-2	9/26/2014	6.5	8%
DU-4 MIS (5) 0-2 DUP	9/26/2014	6	
DU-4 MIS (5) 0-2 TRIPLICATE	9/26/2014	18	94%
DU-7 MIS (1) 0-2	10/3/2014	5.6	54%
DU-7 MIS (1) 0-2 DUP	10/3/2014	9.7	
DU-7 MIS (2) 0-2	10/4/2014	2.2	40%
DU-7 MIS (2) 0-2 DUP	10/4/2014	3.3	
DU-7 MIS (3) 0-2	10/6/2014	26	40%
DU-7 MIS (3) 0-2 DUP	10/6/2014	39	
DU-7 MIS (4) 0-2	10/2/2014	26	78%
DU-7 MIS (4) 0-2 DUP	10/2/2014	59	
DU-7 MIS (5) 0-2	10/2/2014	1.3	55%
DU-7 MIS (5) 0-2 DUP	10/2/2014	0.74	
DU-7 MIS (5) 0-2 TRIPLICATE	10/2/2014	1.6	21%

Notes
1. Lead was analyzed by Environmental Protection Agency Method 6010B following multi-incremental sample preparation.

TABLE 4
MEP SAMPLING ANALYTICAL RESULTS
MIDWAY ATOLL NWR

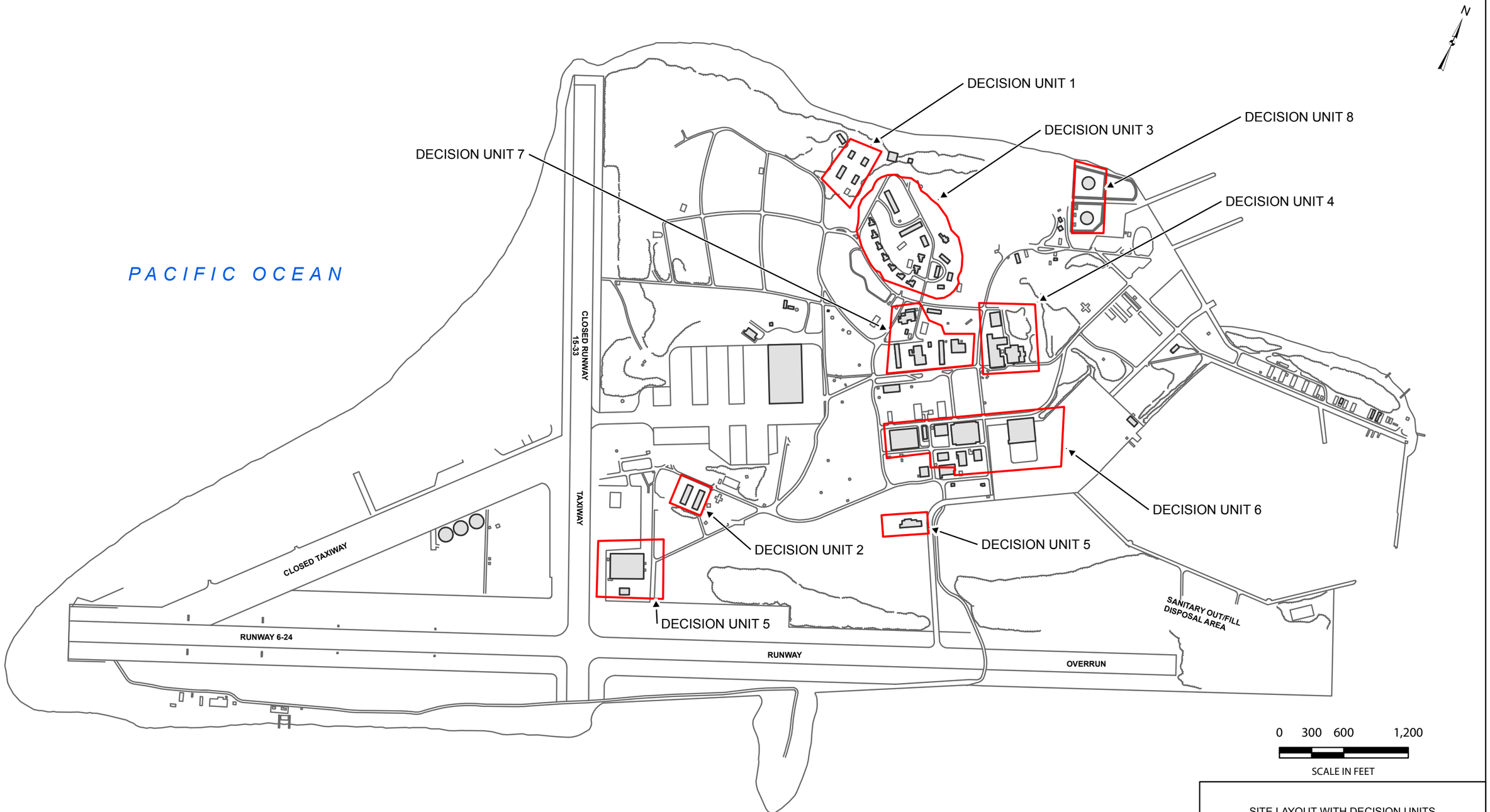
Sample Identification	Date	Lead Concentration (µg/l)
R2/Cell 3 0-6"	10/15/2014	<10
		<10
		<10
		<10
		<10
		<10
		<10
		<10
		<10

Notes

1. Lead was analyzed by Environmental Protection Agency Method 6010C-Leachability
2. The Toxicity Characteristic Leaching Procedure (TCLP) threshhold for lead is 5 milligrams per liter (mg/l)
3. "J" - Results is less than the report limit but greater or equal to the method detection limit and the concentration is an approximate value.

µg/l - micrograms per liter

FIGURES



LEGEND

Decision Units Structures

Notes:
1. The location of all features shown are approximate.
2. This drawing is for information purposes.
3. Decision Unit 9 covers all remaining structures.

SITE LAYOUT WITH DECISION UNITS
REMOVAL OF LEAD BASED PAINT FROM STRUCTURES AND LEAD CONTAMINATED SOIL AT MIDWAY ATOLL

NW DEMOLITION AND ENVIRONMENTAL, A JOINT VENTURE

JANUARY 2015

Figure: 1

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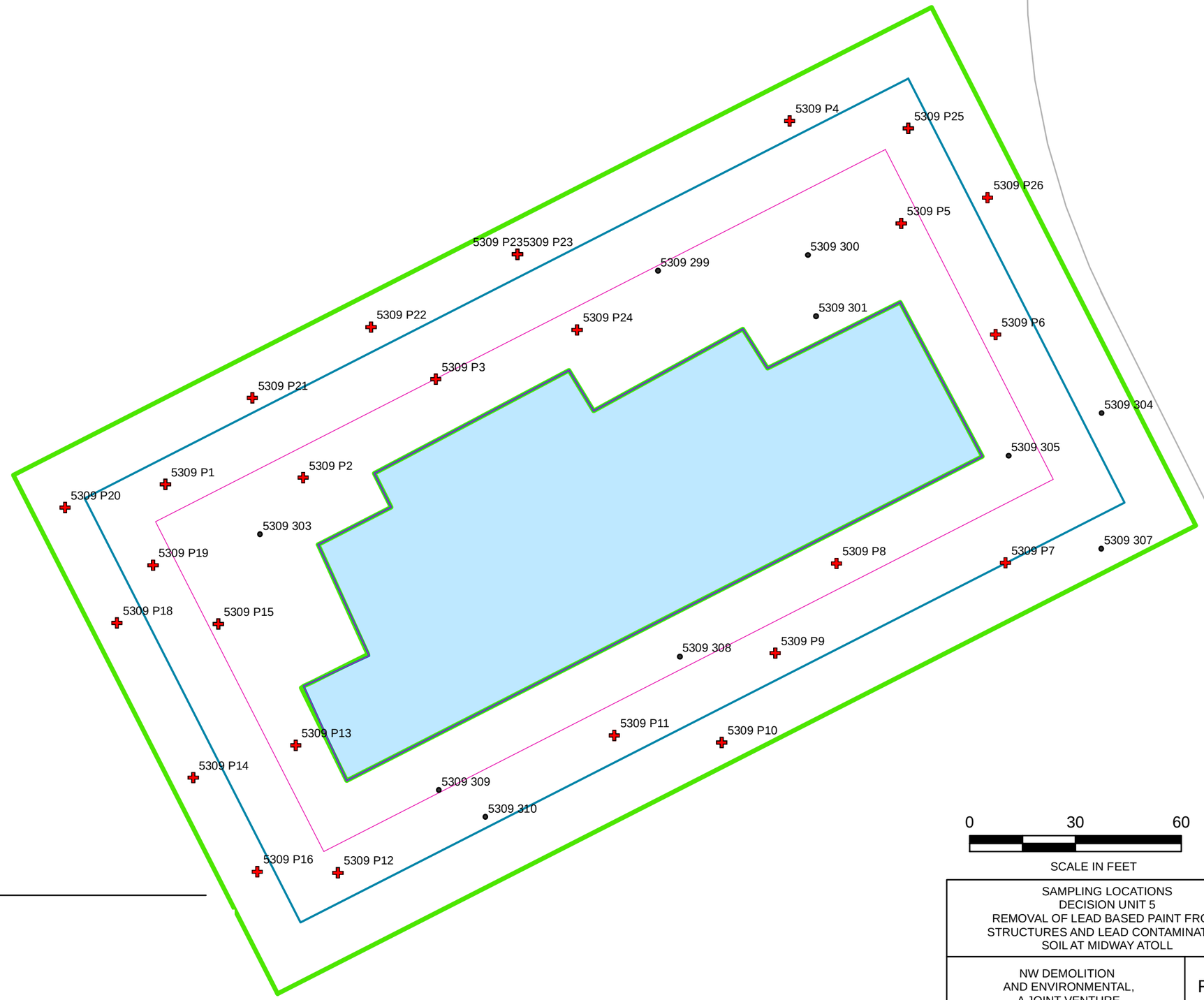


0 30 60

SCALE IN FEET

LEGEND

Sampling Locations

- 2014
- 2013
- 2012
- <2012

- 15' Buffer
- 30' Buffer
- 45 ft Building Buffer
- Site Features

SAMPLING LOCATIONS
DECISION UNIT 5
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

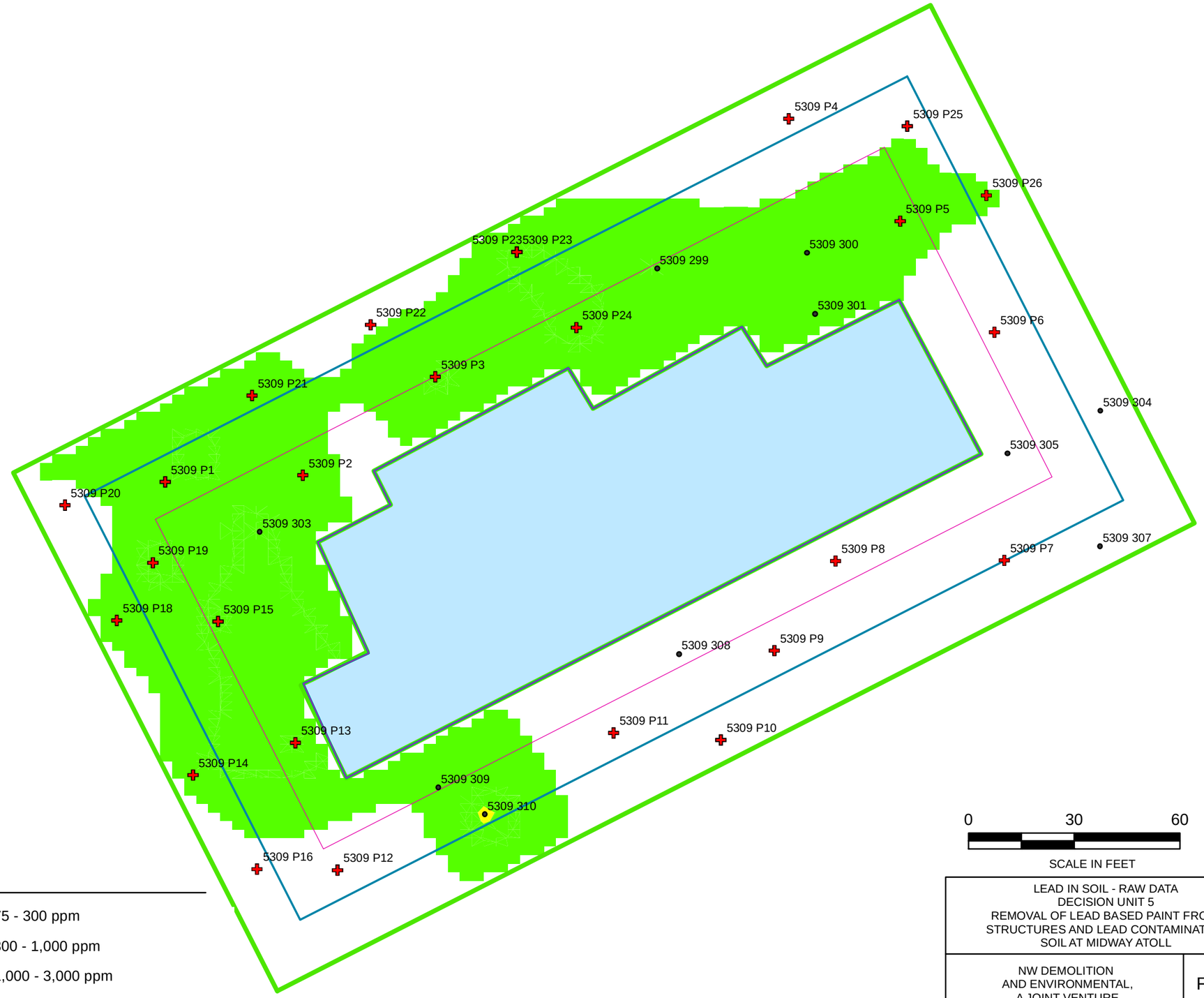
NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

Figure:
2

JANUARY 2015

Path: N:\MMdway\GIS\End_2014_Report\Figure2_SamplingLocations_DU5.mxd

Building 330
Building 3512
Building 53142
Building 310
Building 3503
Building 3517
Building 3529
Building 3524
Building 3502
Building 3504
FH 24
LEGEND
Sampling Locations
2014
2013
2012
<2012
15' Buffer
30' Buffer
45 ft Building Buffer
Site Features
0
80
160
SCALE IN FEET
SAMPLING LOCATIONS
DECISION UNIT 7
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL
NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE
JANUARY 2015
Figure:
3



LEGEND

Sampling Locations

- 2014
- 2013
- 2012
- <2012

- 15' Buffer
- 30' Buffer
- 45 ft Building Buffer

- 75 - 300 ppm
- 300 - 1,000 ppm
- 1,000 - 3,000 ppm

0 30 60

SCALE IN FEET

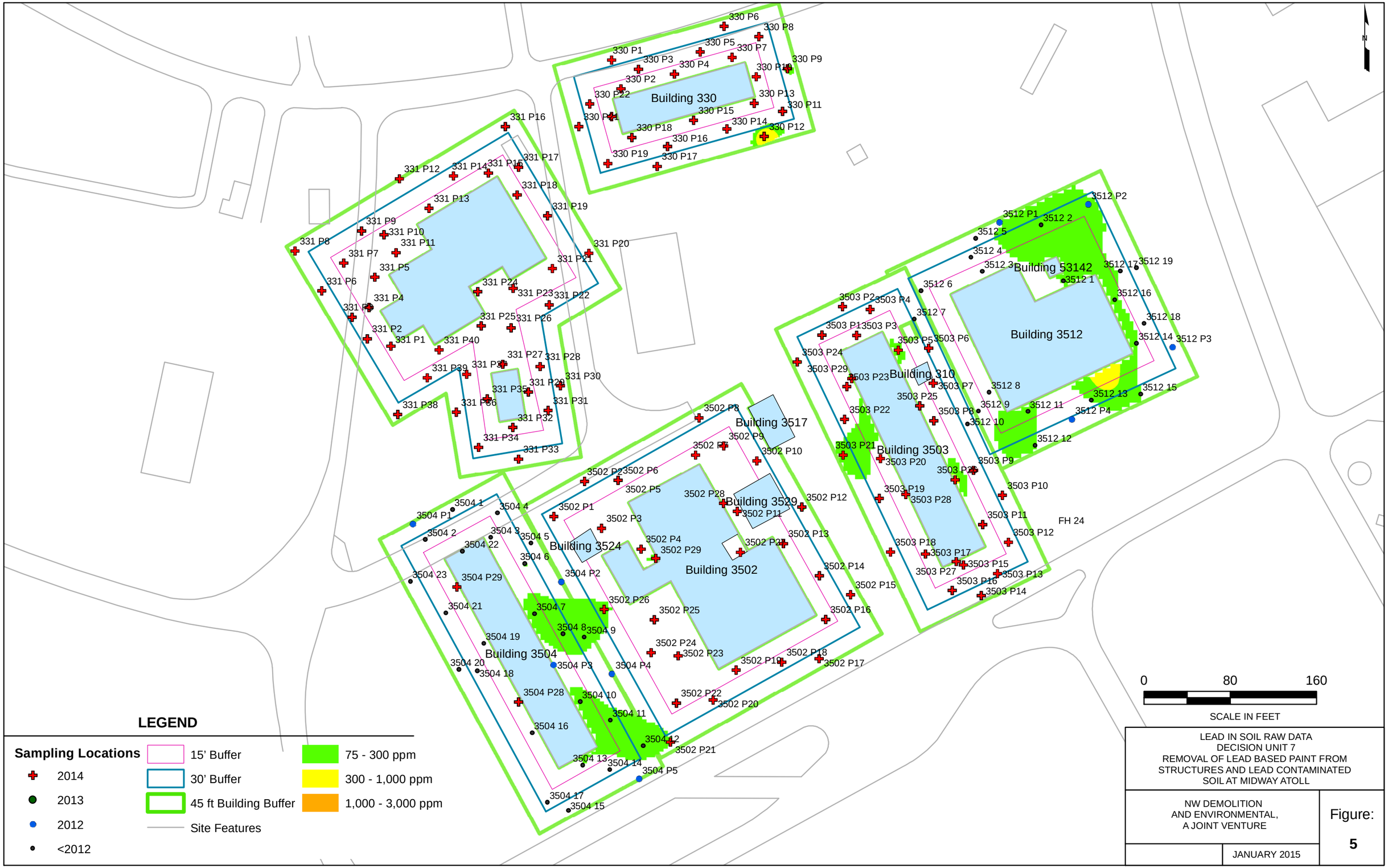
LEAD IN SOIL - RAW DATA
DECISION UNIT 5
REMOVAL OF LEAD BASED PAINT FROM STRUCTURES AND LEAD CONTAMINATED SOIL AT MIDWAY ATOLL

NW DEMOLITION AND ENVIRONMENTAL, A JOINT VENTURE

JANUARY 2015

Figure: 4

Path: N:\Midway\GIS\End_2014_Report\Figure4_LeadInSoil_DU5.mxd



LEAD IN SOIL RAW DATA
DECISION UNIT 7
REMOVAL OF LEAD BASED PAINT FROM STRUCTURES AND LEAD CONTAMINATED SOIL AT MIDWAY ATOLL

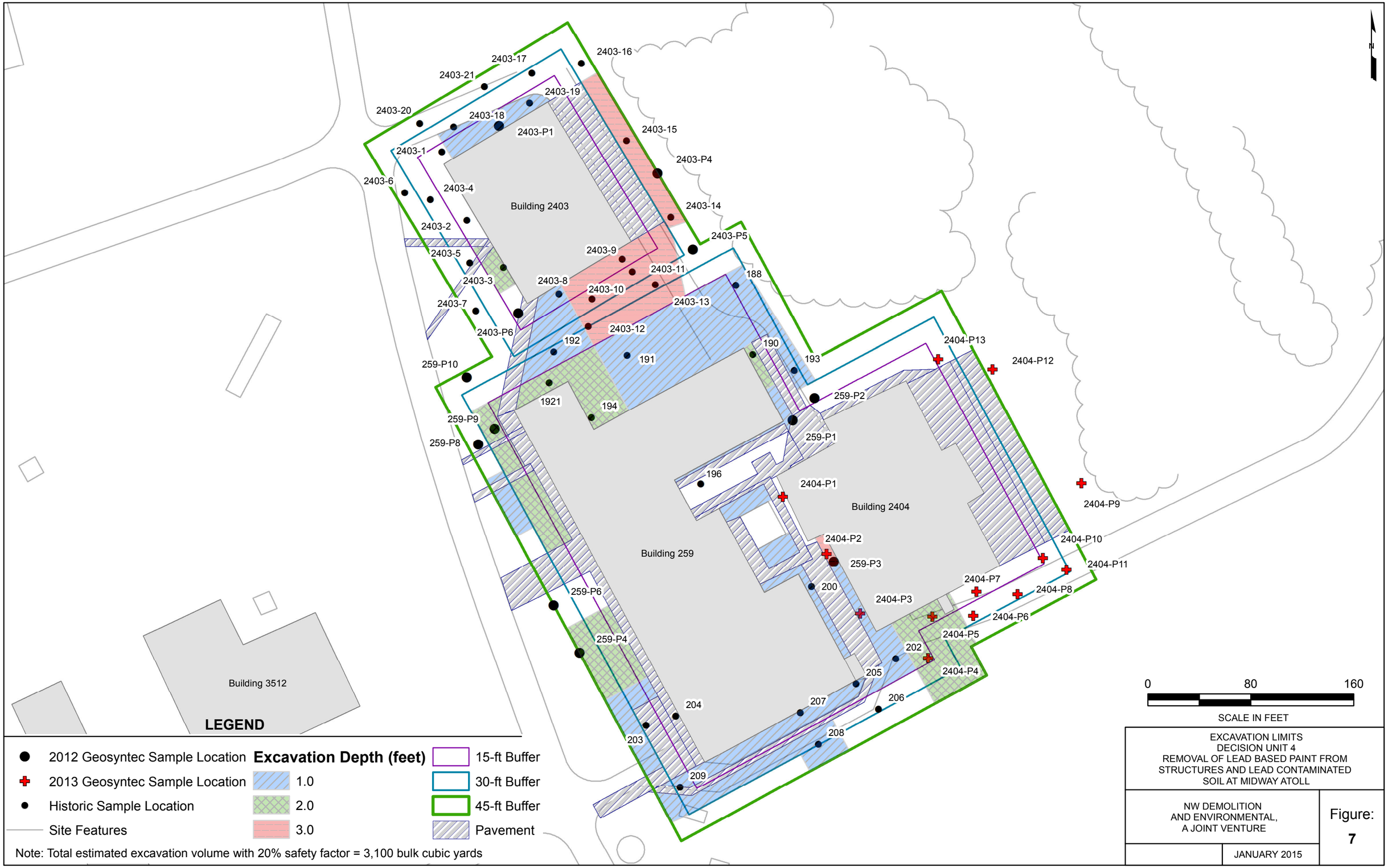
NW DEMOLITION AND ENVIRONMENTAL, A JOINT VENTURE

JANUARY 2015

Figure: 5

Path: N:\MMdway\GIS\End_2014_Report\Figure5_LeadInSoil_DU7.mxd

Building 4203
Soil Removal 813 cu. yd.
Building 4204
Soil Removal 202 cu. yd.
Building 4208
Soil Removal 104 cu. yd.
Building 414
Soil Removal 188 cu. yd.
Building 4209
Soil Removal 0 cu. yd.
Building 4212
Soil Removal 0 cu. yd.
Building 4210
Soil Removal 17 cu. yd.
Building 424
Soil Removal 35 cu. yd.
Building 423
Soil Removal 12 cu. yd.
Building 422
Soil Removal 63 cu. yd.
Building 421
Soil Removal 317 cu. yd.
Building 419
Soil Removal 38 cu. yd.
Building 418
Soil Removal 181 cu. yd.
Building 417
Soil Removal 18 cu. yd.
Building 415
Soil Removal 103 cu. yd.
Building 416
Soil Removal 37 cu. yd.
Building 4211
Soil Removal 0 cu. yd.
Building 400
Building 54123
Building 416a
FH 44
0
120
240
SCALE IN FEET
LEGEND
Sampling Locations
2014
2013
2012
<2012
15' Buffer
30' Buffer
45' Buffer
Proposed Removal Depths
1' Deep
2' Deep
3' Deep
Site Features
PROPOSED EXCAVATION LIMITS
DECISION UNIT 3
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL
NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE
JANUARY 2015
Figure:
6


2403-16
2403-17
2403-21
2403-19
2403-20
2403-18
2403-P1
2403-15
2403-1
2403-P4
2403-6
2403-4
Building 2403
2403-14
2403-2
2403-P5
2403-5
2403-9
2403-11
188
2403-3
2403-8
2403-10
2403-7
2403-13
2403-P6
2403-12
192
190
2404-P13
2404-P12
193
191
259-P10
1921
194
259-P2
259-P9
259-P1
259-P8
196
2404-P1
Building 2404
2404-P9
2404-P2
2404-P10
Building 259
259-P3
2404-P11
2404-P7
200
2404-P8
259-P6
2404-P3
2404-P6
2404-P5
259-P4
202
2404-P4
205
Building 3512
206
204
207
208
203
209
0
80
160
SCALE IN FEET
LEGEND
2012 Geosyntec Sample Location
2013 Geosyntec Sample Location
Historic Sample Location
Site Features
Excavation Depth (feet)
1.0
2.0
3.0
15-ft Buffer
30-ft Buffer
45-ft Buffer
Pavement
Note: Total estimated excavation volume with 20% safety factor = 3,100 bulk cubic yards
EXCAVATION LIMITS
DECISION UNIT 4
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL
NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE
JANUARY 2015
Figure:
7
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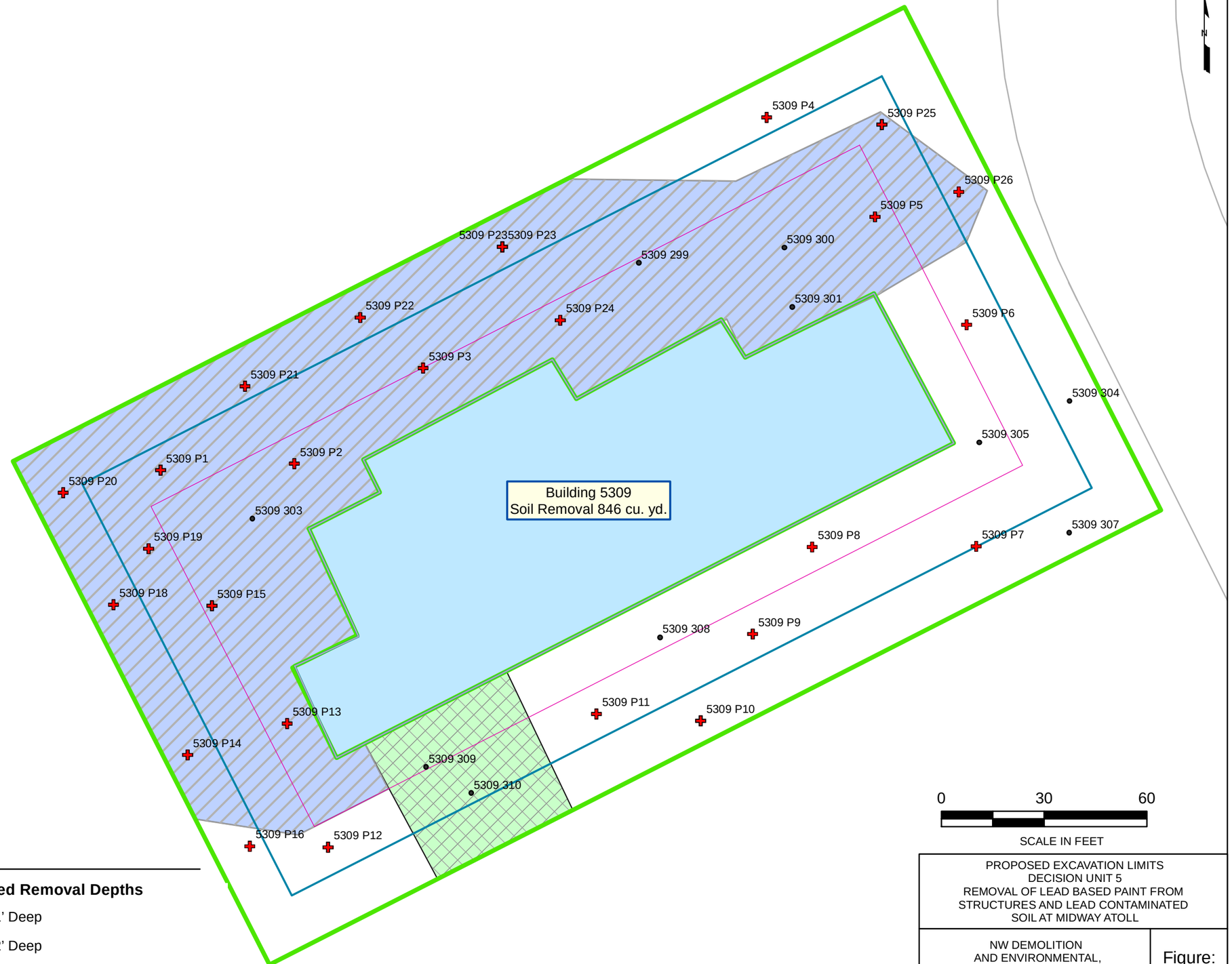


LEGEND

Sampling Locations

- 2014
- 2013
- 2012
- <2012

- 15' Buffer
- 30' Buffer
- 45 ft Building Buffer
- Site Features

Proposed Removal Depths

- 1' Deep
- 2' Deep
- 3' Deep

0 30 60

SCALE IN FEET

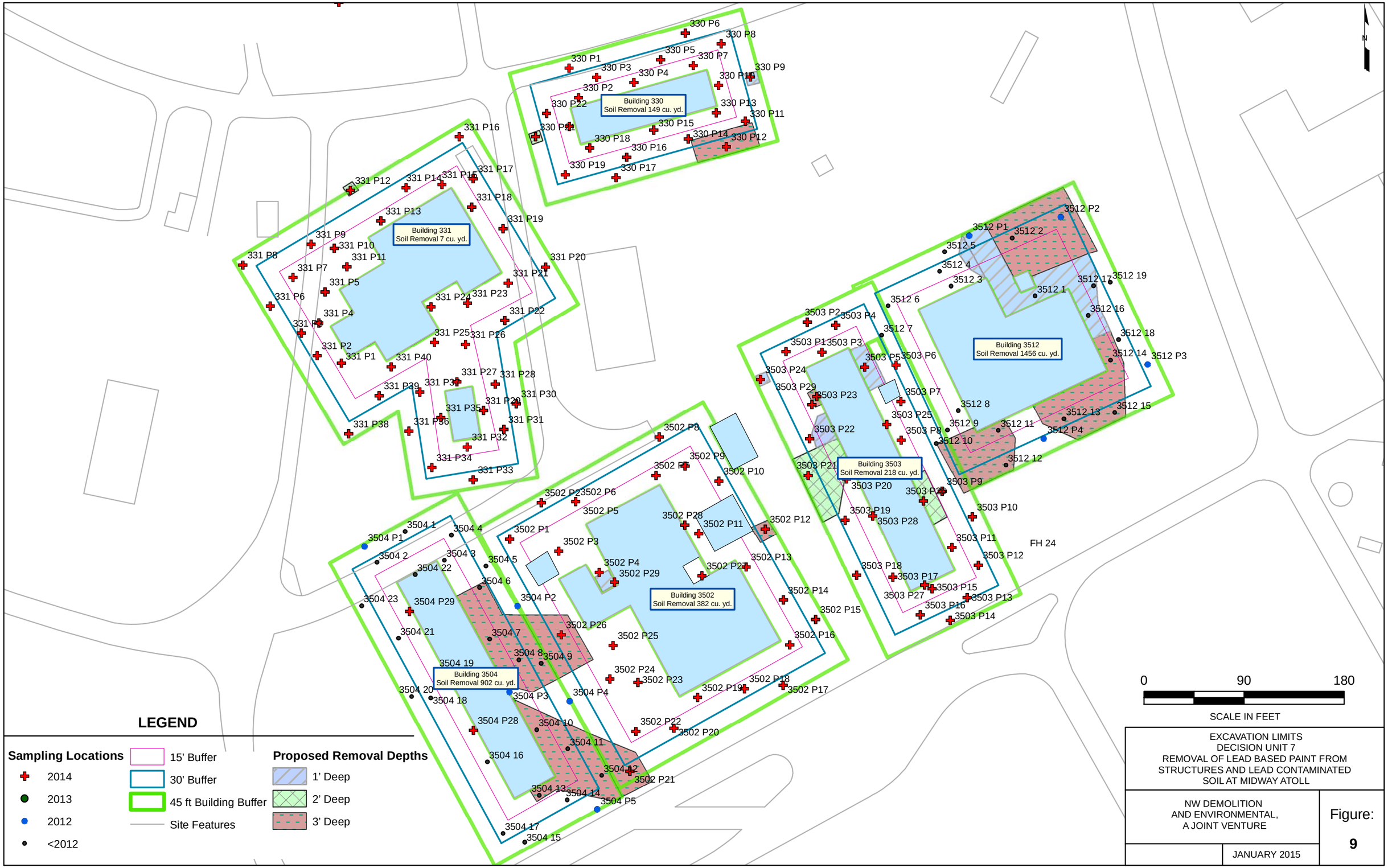
PROPOSED EXCAVATION LIMITS
DECISION UNIT 5
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

Figure:
8

JANUARY 2015

Path: N:\MMdway\GIS\End_2014_Report\Figure8_ProposedExcavationLimits_DU5.mxd



EXCAVATION LIMITS
DECISION UNIT 7
REMOVAL OF LEAD BASED PAINT FROM STRUCTURES AND LEAD CONTAMINATED SOIL AT MIDWAY ATOLL

NW DEMOLITION AND ENVIRONMENTAL, A JOINT VENTURE

JANUARY 2015

Figure: 9

Path: N:\MMidway\GIS\End_2014_Report\Figure9_ExcavationLimits_DU7.mxd

CONFIRMATION SOIL SAMPLE BOUNDARIES
DECISION UNIT 4
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

JANUARY 2015

Figure:
10

Path: P:\GIS\Projects\Midway\Maps\2013_Joint format_1.0.mxd

CONFIRMATION SOIL SAMPLE BOUNDARIES
DECISION UNIT 7
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

JANUARY 2015

Figure:
11

Path: P:\GIS\Projects\Midway\Maps\2013 Joint format_11.mxd

PLACEMENT OF SHADE CLOTH
DECISION UNIT 7
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

JANUARY 2015

Figure:
12

Path: P:\GIS\Projects\Midway\Maps\Joint format_FIG_12.mxd

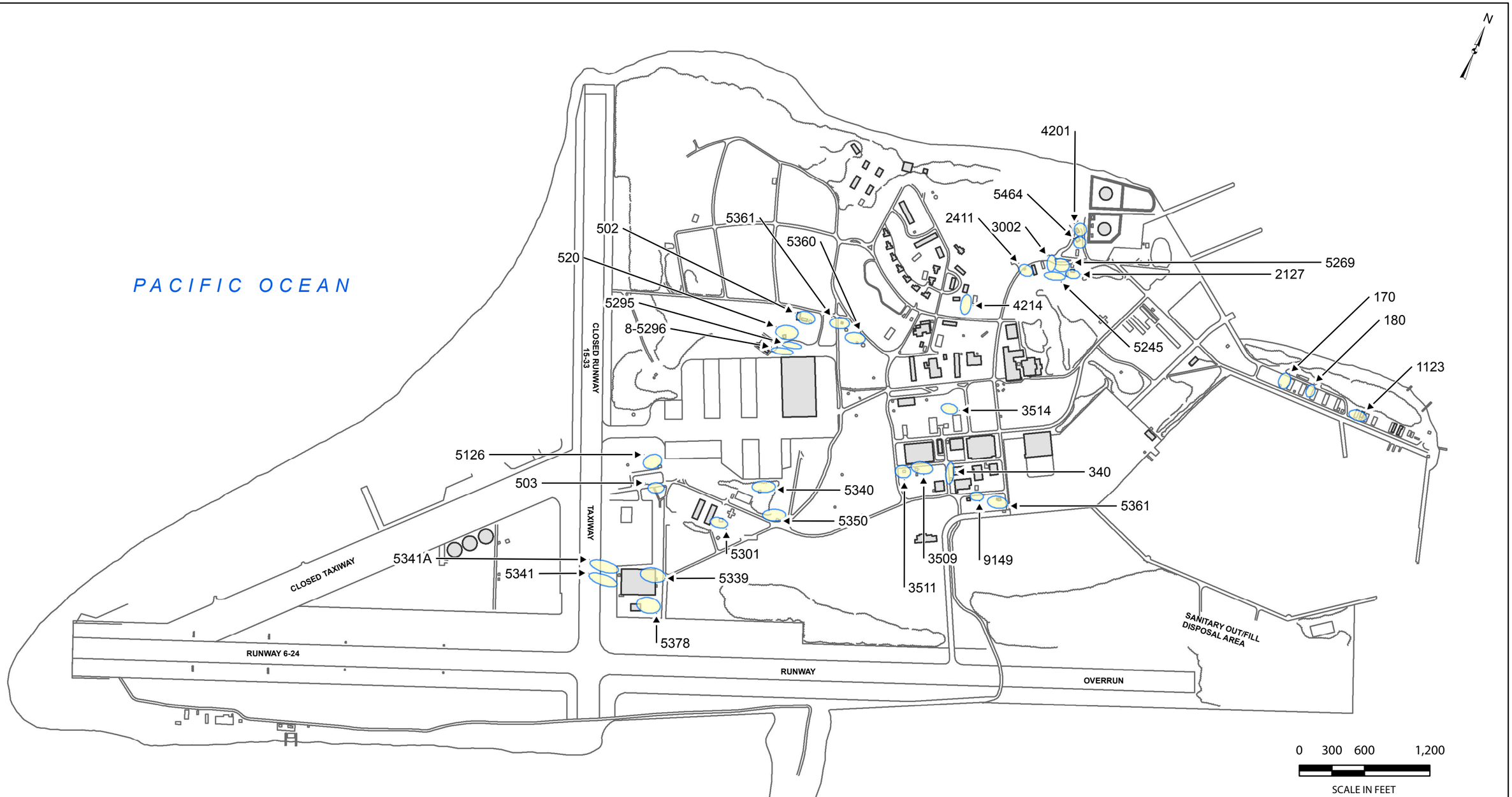
PLACEMENT OF SHADE CLOTH
DECISION UNIT 3
REMOVAL OF LEAD BASED PAINT FROM STRUCTURES AND LEAD CONTAMINATED SOIL AT MIDWAY ATOLL

NW DEMOLITION AND ENVIRONMENTAL, A JOINT VENTURE

JANUARY 2015

Figure: 13

Path: N:\MMidway\GIS\End_2014_Report\Figure13_ShadeClothPlacement_DU3.mxd



BUILDINGS SPRAYED WITH MAECTITE
DECISION UNIT 9
REMOVAL OF LEAD BASED PAINT FROM
STRUCTURES AND LEAD CONTAMINATED
SOIL AT MIDWAY ATOLL

NW DEMOLITION
AND ENVIRONMENTAL,
A JOINT VENTURE

JANUARY 2015

Figure:
14

LEGEND

Buildings Spayed with MAECTITE

Structures

Notes:
1. The location of all features shown are approximate.
2. This drawing is for information purposes.
3. ex: 5361 = indicates building number sprayed with MAECTITE

Path: P:\GIS\Projects\Midway\Maps\2014_Joint format_Fig14.mxd

APPENDIX A

DAILY FIELD REPORTS

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, September 9, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Clear skies, Wind 6mph ,Temperature ~86F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Daniel Clark	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	7 gallons	Sept 2, 2014, E.White
Diesel	192 gallons	Sept 3, 2014, E.White
Diesel	204 gallons	Sept 4, 2014, E.White

Description of Work:

0600 – Team members for 2014 Season arrive at Air Service Hawaii charter service.

0800 – Charter flight travel from Honolulu International Airport (HNL) to Midway Atoll (PMDY) on board a Gulfstream II jet.

1015 – Arrival and check into Charlie Barracks, local time.

1130 – Lunch

1330 – U.S. Fish & Wildlife Service, Midway Atoll Cultural and Biological awareness orientation, presented by D. Clark, U.S. FWS.
Health & Safety Plan presentation, review and discussion for 2014 season task work, presented by S.Wakefield, NWDE.

1430 –M.Amann, U.S. FWS conducts season kick off meeting with E.White, D.Leibelt, J.Nevius & S.Wakefield, NWDE. Topic includes R2 goals for design considerations of final capping methods, capacity, R2 east sump piping for taxiway & future construction debris predictions on island.

NWDE and Iniki team begin initial mobilization of materials and equipment from the NAF staging area to respective work sites. NWDE is removing shade cloth and sand bag cap off the R2, Cells 3 & 4. Cloth is folded up and staged within the R2 containment. Iniki moves supplies and the JLG manlift to BEQ'D 3504. Begin placement of 6 mil poly ground sheeting to make containment perimeter on all four sides of Bldg 3504 prior to lead abatement work.

1630 – Post meeting visit to the R2 cells & sump for initial observations relative to project goals.

1730 – End of Day.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds	^{3}yds
9/09/14	0	0	0	0	0	0	0
Total to Date	0 soil		0 walls				

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0

Date	DU7 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0

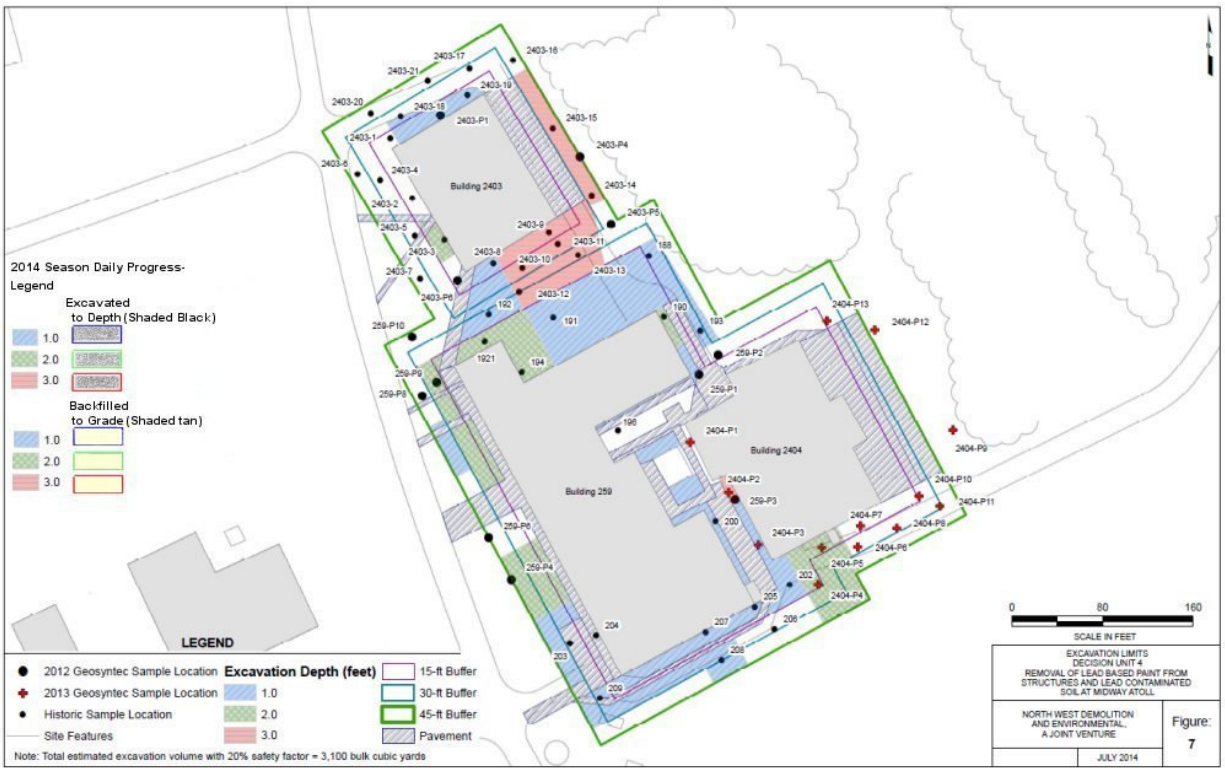
1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/09/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Wednesday, September 10, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Clear skies, Wind 3mph ,Temperature ~88F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
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Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE loads up supplies to begin excavation layout and T-post staking for the DU-4 excavation. Iniki mobilizes to DU-7 for continued placement of 6mil poly sheeting containment around Bldg 3504 and Bldg 3502.

0800 – S.Wakefield, J.Stone, E.White, NWDE begin layout for Bldg 2403 per Excavation Limits Fig 7 July 2014. Beginning on the north side of Bldg 2403, working onward to the east and southern sides. Steel T-posts are driven with a task specific manual post driver to reference excavation plots. Excavation depths are indicated for 1', 2' or 3' elevations below existing grade specific to soils sampling results and modeling data compiled in Fig 7.
Note- Bldg 259, sample Point 1921 is adjacent to where an endangered Hawaiian Native plant Sida Fallax had previously been located and growing within a protective fenced area. U.S. FWS has moved the Sida Fallax out of the DU-4 work area as planned prior to NWDE beginning the 2014 season.
NWDE crew potholes utilities by hand/ shovel to carefully locate electrical and water lines that are currently in service. DBSI has provided a utility locate within the DU-4 area prior to beginning site work. Additionally, DBSI has removed trees and major foliage within the necessary buffer zones per instruction of the U.S. FWS prior to NWDE arrival for the Fall season.

0900 – Iniki is going forward in prepping ground cover and exclusion areas using the 6mil poly sheeting to contain LBP chips during abatement activities. The sheeting is securely sealed to foundations and footings using a heavy duty 2" wide tape, typical of an abatement zone setup. Bldg 3504 is the focus area, followed by the covered walkway connecting Bldg 3504 barracks to Bldg 3502 Dining Hall. The seven person crew is making good progress. Prior to poly sheeting placement, Iniki workers verify petrel burrows are vacant. 10 adult petrels are carefully removed from burrows by diligent workers.

1015 – NWDE is using the Mini excavator and skid steer to move LBP impacted soil that rests above the concrete and pavement areas within excavation plots. This likely LBP impacted soil is placed atop the major treatment area and will be conditioned with Maectite and placed in the R2 per the RAWP. Excavation plots and grid layouts continue for the property between Bldg 2403 and Bldg 259.

1200 – Lunch.

1400 – NWDE is beginning soil treatment with Maectite for the 3' limit area east of Bldg 2403. The application rate is consistent with the Sevenson's advisement of .75 gallon/cu yd. Application takes placed in pre measured grids, working one section at a time. Mechanical mixing in approximately 12-18" lifts immediately follows using the Mini excavator. Hydrant water is evenly added to allow uniform mixing of the treatment chemical to the LBP impacted coral soil as per Sevenson's instructions for applying Maectite.

1600 – Iniki has ground poly sheeting in place for Bldg 3504, covered walkway and Bldg 3502. Additionally on Bldg 3504 barracks, Maectite has been applied and lead scrape task work completed for the exterior of the three story building. The underside of the eve and fascia for the roof line has also been treated and prepped for future Lead Stop coatings.

1700 – Bldg 2403 soil excavation treatment continues on the buildings' east side. Treated soil is loaded into the Volvo off road trucks and hauled to the R2 for placement within the cell.
NWDE & Iniki crews begin wrapping up for the day and pick up work site as required. Iniki collects the accumulation of paint chips off the poly sheeting and properly stages them for disposal as LBP waste.

1730 – End of Day.

Photographs:

Photo 01: View north, Bldg 3504 Barracks lead scrape and Maectite application.

Photo 02: View north, Bldg 2403 clearing off pavement areas.

Photo 03: Maectite application within staked grid area.

Photo 04: View south, loading treated soil into Volvo truck for R2 placement.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds	^{3}yds
9/09/14	0	0	0	0	0	0	0
9/10/14	53	0	20	73	3	45	45
Total to Date	53 soil		20 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0

Date	DU7 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0

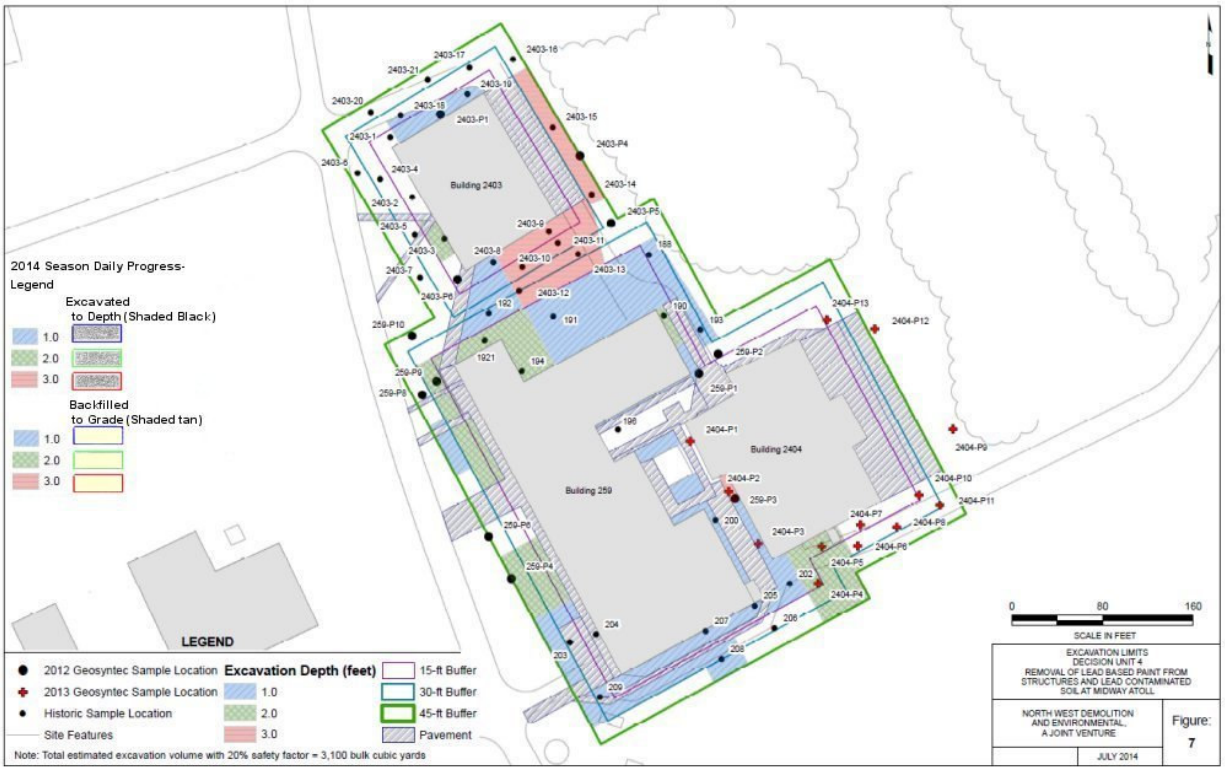
Notes: 1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/09/14	0	0	0	0	0
9/10/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Thursday, September 11, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: High clouds, Wind 4mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE mobilizes from the NAF storage to DU-4. A barrier path is placed to allow Volvo Off Road trucks to access excavation areas and be loaded. This barrier path keeps tires free of impacted soil and eliminates tracking of soil. Maectite application will begin near the north wall of Bldg 259.
Iniki team tasks are continuing work on Bldg 3504 and former dining hall Bldg 3502. The barracks west wall is being set up to apply Lead Stop paint using a commercial airless sprayer. The covered walkway connecting the barracks and dining hall will be Maectite treated and lead scraped. The northern areas of Bldg 3502 continue to have 6 mil poly sheeting placed for safe LBP abatement work.

0900 – NWDE has been applying Maectite for the first 1' lift, and then mechanically mixing to uniformity using the Volvo 290 excavator with grapple tines. The coral sand is amended with water applied with a fire hose, per the Maectite manufacturer Sevenson. This aids to even distribute the chemical through out the soil lift.
Maectite application also continues for the 3' target depth excavation east of Bldg 2403. The Mini-excavator performs the function of mechanical mixing, also aided with fire hose water as required.

1030 – Grids abutting the north side of Bldg 259 are treated with Maectite, water and mechanical mixing to yield a properly treated soil lift of 1'. Care is taken to address marked utilities. Good work practices are followed relating to encountering unknown abandon utilities, such as an old 2" copper line that previously was used for the theater HVAC chiller (removed previously by others.)
A second Volvo 290 excavator arrives to load out soils while the first excavator remains fixed with the mixing grapple tines.

1200 – Lunch.

1400 – NWDE continues to transport treated LBP impacted soil to the R2, south east cell. Two Off Road Volvo trucks maintain progress being loaded and making the round trip effectively. The Bobcat skid steer is operated at the R2 for rough grading the incoming loads periodically.

1600 – The 3' target depth for excavation east of Bldg 2403 is on track, having been fully excavated. The open excavation is conspicuously marked off using posts and caution ribbon.
Maectite application and mixing continues between Bldg 259 and Bldg 2403 within the grid cells.

1730 – End of Day.

Photographs:

Photo 01: View west, Bldg 3504 Barracks walkway lead scrape and Maectite application.

Photo 02: View north, Bldg 3504 with Lead Stop applied on west wall.

Photo 03: View south west, Bldg 259 north wall 1' deep excavation task of treated soil.

Photo 04: View east, placing treated soil into R2, south east cell

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/09/14	0	0	0	0	0	0	0
9/10/14	53	0	20	73	3	45	45
9/11/14	204	0	5	282	22	280	325
Total to Date	257 soil	0 soil	25 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0

Date	DU7 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0

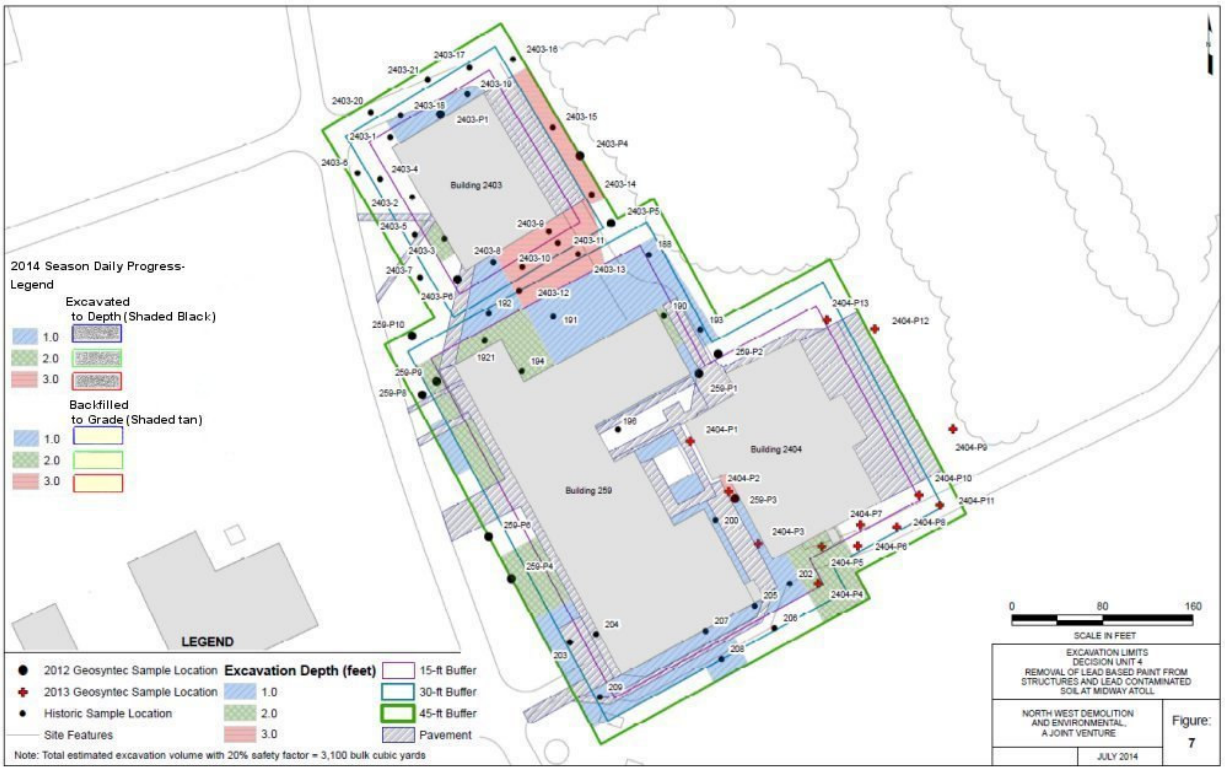
Notes: 1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/09/14	0	0	0	0	0
9/10/14	0	0	0	0	0
9/11/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, September 12, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: High clouds, Wind 3mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE mobilizes from the NAF storage to DU-4.
Iniki continues work on DU-7. The Navy Dining Hall Bldg 3502 area pushes forward with poly sheeting placement at the foundation work areas. This includes ground sheeting at adjacent Bldg 3529 Midway Laundry & Bldg 3524 Boiler Room.

0830 – NWDE is hand digging the narrow soil strip on the south side of Bldg 259. This 1' deep excavation is between the sidewalk and building foundation. Hand shovel work in the morning takes advantage of cooler working conditions.
An overhanging shed roof with non ACM green panel roofing and not painted wood rafters is removed from Bldg 259 near sample point 194. The wood and plastic roofing will be disposed of appropriately.

0930 – Excavation limits are being staked out for the west side of Bldg 2403 and Bldg 259. The T-posts designate the plot size for each excavation depth. Within these plots, additional T-Posts further divide the areas into manageable grids for Maectite calculations and application. This grid aids in systematically applying and mechanically mixing the LBP treatment process.
NWDE crew maintains progress in treating grids with calculated full strength Maectite at .75 gallons per cubic yard of soil. The addition of water with a fire hose to the treatment area per manufacturers' recommendation allows adequate mechanical mixing to a uniform condition for LBP impacted soil.
Treated soil is excavated to target depth per the excavation limits, DU-4, Fig 7 and then trucked to the R2 SE cell using the two Volvo A30D trucks.

1200 – Lunch.

1400 – E.White, NWDE notifies S.Wakefield that a UST has been safely encountered and the top fittings exposed. J.Stone, NWDE was carefully excavating with the Mini excavator at Bldg 259. The area of the UST location is under the recently removed shed roof, near the electrical service entrance door to Bldg 259. This is very near to sample point 194 on DU-4, Fig 7.
M.Amann, U.S. FWS is informed of the tank discovery. An onsite field review of the tank occurs with E. Moore, DBSI, R.Abelleira, DBSI, E.White, NWDE, D.Leibelt, NWDE and S.Wakefield, NWDE.
Determination is made that the tank is 42" diameter x 48" long. Max tank capacity figured at 288 gallons has only 1.2' of visually clean diesel fuel in it, (~88 gallons on dipstick chart.) Sediment in bottom of tank is negligible at ~ ½". DBSI promptly arrives with a vac truck and removes the volume of fuel from the tank.
NWDE relieves the tank soil coverage and lifts the empty horizontal cylindrical tank (UST) from its installed placement. The mild steel tank appears in good condition with no apparent sign of seeps, leaks or overfill staining on the exterior. The soil below grade where the tank was placed is also visually inspected and does not have signs of gross contamination. The tank is safely moved and staged on the east side of Bldg 2403. Disposal plans and required actions for the tank task are being discussed.

1650 – Iniki's progress on Bldg 3504 BEQ,D has included using the man lift to paint the west and north wall, working the east wall as well. Lead Stop paint application for the building is over 50% complete.

1700 – J. Nevius, NWDE and S.Wakefield are at the R2 east vault. Field measurements are taken for consideration for the final R2 capping design.

1715 – NWDE & Iniki teams pick up for the day their respective work areas.

1730 – End of Day.

Photographs:

Photo 01: View southwest, Bldg 259 shed roof removed at eves, clean wood debris being removed.

Photo 02: View north, Bldg 3502 poly sheeting placement.

Photo 03: View southwest, Bldg 259. 288 gallon UST removal.

Photo 04: View east, loading treated soil into Volvo truck for R2 placement.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds	^{3}yds
9/09/14	0	0	0	0	0	0	0
9/10/14	53	0	20	73	3	45	45
9/11/14	204	0	5	277	22	280	325
9/12/14	116.5	0	5	403.5	15	160	485
Total to Date	373.5 soil		30 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0
9/12/14	0	0

Date	DU7 Clean Backfill Totals[1]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0
9/12/14	0	0

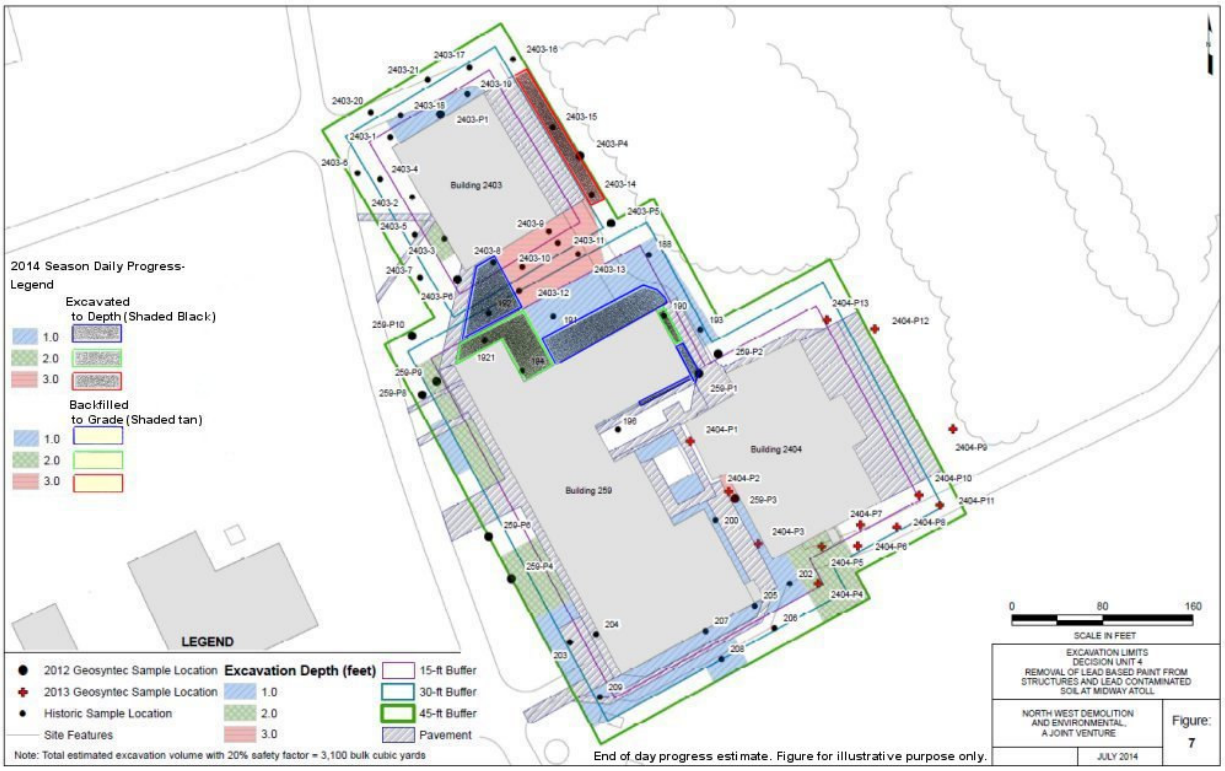
Notes: 1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/09/14	0	0	0	0	0
9/10/14	0	0	0	0	0
9/11/14	0	0	0	0	0
9/12/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, September 13, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: High clouds, Wind 9mph, Temperature ~88F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE is on task for DU-4 soil treatment and excavation. Petrel patrol is conducted and birds removed from work area. 4 birds are dug out between Bldg 259 & Bldg 2403. Likewise Iniki team has started work at DU-7, removing 10 birds around Bldg 3503 prior to poly sheeting placement.
S.Wakefield, NWDE generates a field drawing for details and locations of the 288 gallon UST tank removed yesterday.
J.Stone & L.Lewis, NWDE pull final excavation near Bldg 259 at the 2' excavation depth. This treated soil was delayed yesterday due to the UST discovery.
D.Hard, NWDE is at the R2 cell rough grading the treated soil placed in the SE cell, R2, Cell 3.
J.Smith and D.Christianson continue Maectite application to grid layout plots. The soil is amended with a fire hose application of water and mixing mechanically with the Volvo 290 rake to a uniform condition. Elevation depths are targeted to keep soil volumes consistent with Maectite application protocols.

0900 – D.Leibelt, NWDE and S.Wakefield discuss upcoming DU-9 sampling details and consider what areas will be priorities for fall 2014 sampling. This will be discussed further with U.S. FWS.

1000 – Iniki man lift is at Bldg 3504 continuing the Lead Stop coating on the 3 story barrack exterior walls. Part of the crew is also working ahead on pre Maectite tasks for Bldg 3503. The north end of Bldg 3502 is under way for Maectite application and lead scrape work. Workers adhere to PPE and respiratory protection in exclusion zones as required.
NWDE mini excavator relocates to the east side of Bldg 259 for a 1' deep treatment area. The historically collected soil on top of the paved areas is scooped up and placed within the grid plot and calculated for treatment.

1115 – Excavate out the east corner of the theater sidewalk soil for Bldg 259. Prep for Maectite application.

1200 – Lunch.

1304 – A water line utility is encountered and broken while digging with the Mini excavator. The 4" schedule 40 PVC water line is for fire hydrant service. The location is east of Bldg 259, north of Bldg 2404 (near sample point 193.) E. Moore, DBSI is within sight and immediately notified. He contacts the maintenance crew to isolate the line and begin repairs. Water flow from the leak is controlled to flow east and not towards newly excavated areas to the west.

1340 – DBSI repair crew, three man team repairs the break. A second leak is found 20' south as a glue socket pulled loose during the even. The socket joint showed signs of being poorly seated when originally installed, lending to its failure.

1500 – NWDE is applying Maectite on the north area of Bldg 2403, 1' target depth plot. The mini excavator mixes Maectite at full strength supplemented with fire hose water. Mechanical mixing and water application provide adequate distribution of Maectite for soil treatment.
Soil treatment is also being performed at the 3' target depth area south of Bldg 2403. This is a continuation of multi elevation depth lifts to treat the deeper area per the approved excavation plan.

1515 – DBSI restores water service and verifies no leaks are present for the 4” water line.

1730 – End of Day.

Photographs:

Photo 01: View west, Bldg 259 excavation of treated soil

Photo 02: View south, Bldg 3502 Maectite application at loading dock area.

Photo 03: View southwest, Bldg 3503 applying Lead Stop elastomeric coating.

Photo 04: View northeast, Bldg 2403, Bldg 259 multi level excavation

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/09/14	0	0	0	0	0	0	0
9/10/14	53	0	20	73	3	45	45
9/11/14	204	0	5	277	22	280	325
9/12/14	116.5	0	5	403.5	15	160	485
9/13/14	240	0	10	653.5	19	330	815
Total to Date	613.5 soil	0 soil	40 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0
9/12/14	0	0
9/13/14	0	0
Sunday		

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/09/14	0	0
9/10/14	0	0
9/11/14	0	0
9/12/14	0	0
9/13/14	0	0
Sunday		

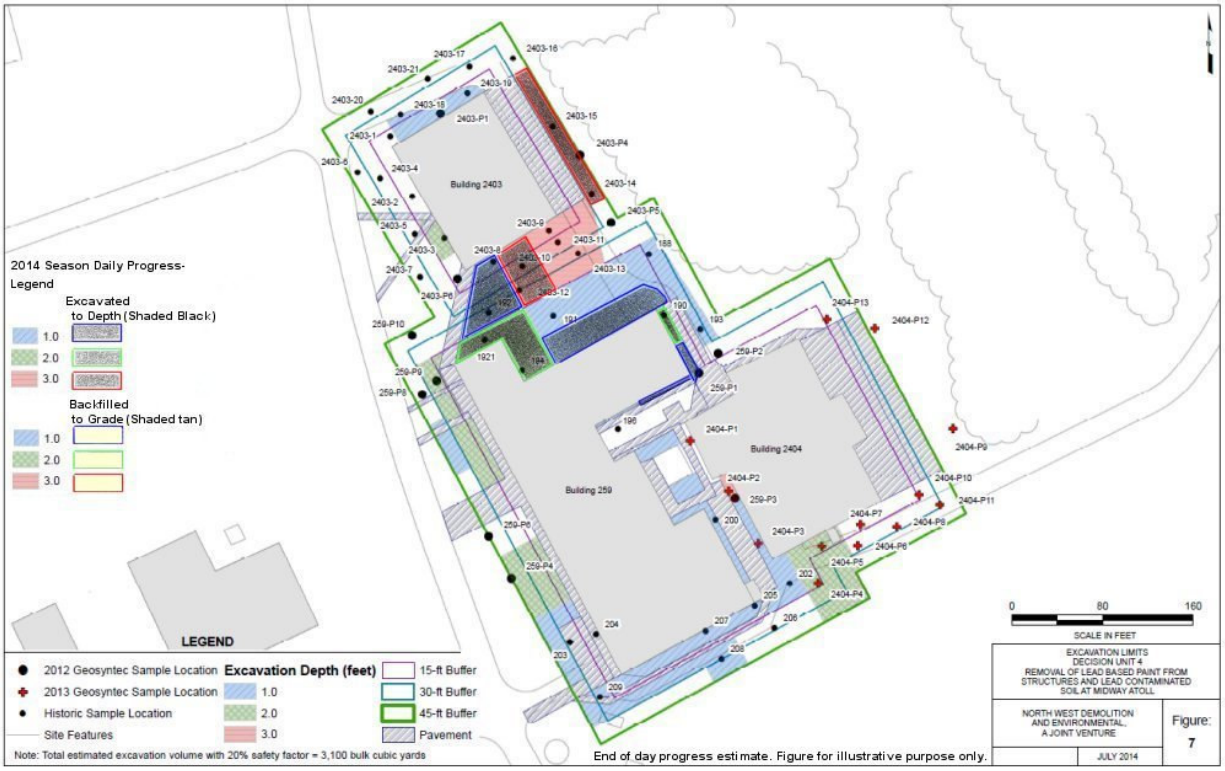
Notes: 1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/09/14	0	0	0	0	0
9/10/14	0	0	0	0	0
9/11/14	0	0	0	0	0
9/12/14	0	0	0	0	0
9/13/14	0	0	0	0	0
Sunday					

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, September 15, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: High clouds, Wind 12mph, Temperature ~89F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	160 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE and Iniki mobilize from the NAF staging area to their respective job sites.

0800 – M.Amann, U.S. FWS, D.Leibelt and S.Wakefield, NWDE discuss the upcoming DU-9 sampling tasks. Structures and LBP coated items are considered for focus and prioritizing.

0930 – Iniki crews are working on the exterior of Bldg 3502 Dining Hall, painting the south side with Lead Stop white paint. An airless sprayer continues to be the method of application and lays out an adequate mil thickness of the elastomeric coating to lock the Maectite treated historic paint to the building.
The north side of the Dining Hall is being prepared using Maectite and lead scrape. Work occurs around the building for continued paint preparation.

1000 – Weekly conference call with Mainland and Hawaii project offices. See NWDE Midway Meeting Agenda for specific detail.

1045 – Sampling points for Bldg 3529 are requested by U.S. FWS to be collected and shipped out on tomorrow's air charter service. The anticipation is to have lab results prior to NWDE excavation tasks around Bldg 3502 and Bldg 3503. S.Wakefield makes preparations to sample the points.

1200 – Lunch.

1300 – The south wall of the Dining Hall is nearly complete with Lead Stop coating. North and East areas are lead scraped and the crew begins paint work on the west side of the Dining Hall, Bldg 3502.

1420 – Submit soil export documents to D.Clark, U.S. FWS Refuge Manager for shipment of coral sand to lab for analysis. Documents are submitted to A.Palermo, U.S. FWS Supervisory Wildlife Inspector for approval. Take sampling supplies to Bldg 3529 to begin collecting a composite and grab at 4 points.

1500 – E.White informs S.Wakefield that a water utility has been broken while excavating in DU-4. A saddle tap on the 4" fire line broke off. DBSI is on the scene to isolate and repair the damage. Water service is restored shortly.

1700 – Iniki has been applying Maectite and lead scrape work to the east side of Bldg 3503 barracks. The LBP materials are collected on the 6 mil poly sheeting and collected up using wet methods and sweeping. The LBP materials are contained and stored per regulations for Lead Based Paint waste material in the staging area of the NAF. A designated shipping container is in use for the debris over the course of this project and proper disposal will occur once the container ships off Midway to an approved facility.

1930 – D.Leibelt and S.Wakefield wrap up sample collection for Bldg 3529 Midway Laundry. End of day.

Photographs:

Photo 01: View north, Bldg 3502 Dining Hall Lead Stop application.

Photo 02: View north, Bldg 3524 Maectite and lead scrape work

Photo 03: View east, Bldg 2403 (L) Bldg 259 (R) progress.

Photo 04: Bldg 3502 (L) and Bldg 3524 (R) Lead Stop paint application.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
Total to Date	873.5 soil	0 soil	50 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0

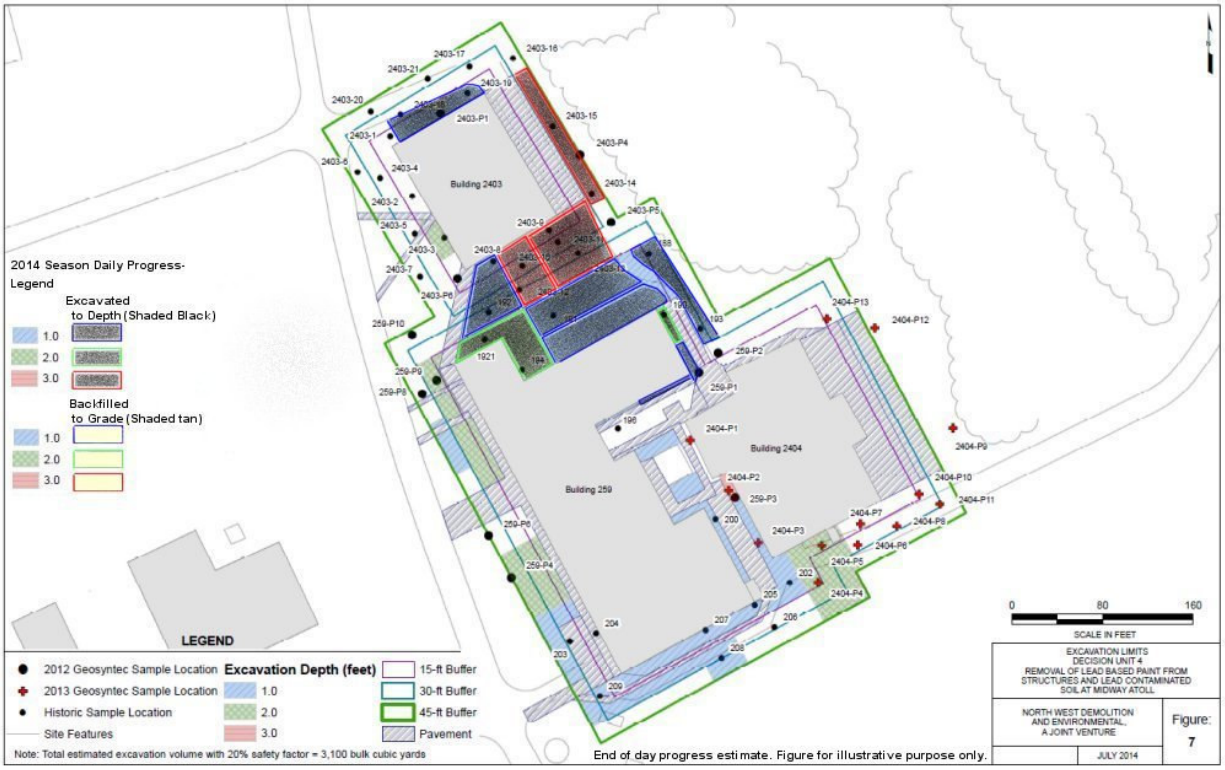
Notes: 1. Based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, September 16, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 9mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	5

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	136 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0725 – NWDE resumes work at DU-4 for Maectite treatment and excavation work. Iniki continues work on DU-7 barracks and Dining Hall areas for lead based paint abatement.

0745 – NWDE is south of the theater Bldg 259 in the courtyard area near the Tailor Shop. The long east/west island of soil with adjacent built in benches will be excavated approximately 2" to 4" deep after Maectite application. Treatment of the thin elevation cut is less than the cleanup threshold based on Excavation Limits DU-4, Fig 7. The small volume area is treated as directed by M.Amann, U.S. FWS.

0800 – S.Wakefield prepares soil samples for shipment on today expected Phoenix Air flight.

1000 – Iniki is painting the east and north walls on Bldg 3502 Dining Hall with Lead Stop paint. Paint is applied at a uniform rate onto the cleaned and treated walls. Coverage is satisfactory, encapsulating the existing weathered paint to the building. Bldg 3503 barracks is being sprayed with Maectite and scraped to prepare the surfaces for Lead Stop paint after it has dried.

1000 – The R2 haul route for Volvo trucks is temporarily halted to allow the scheduled charter jet to land, unload, load and depart. D. Leibelt and J.Nevius, NWDE are outbound on today's flight.

1030 – Petrel patrol for the upcoming new excavation area for the south side of Bldg 259. Grid work is in place for Maectite figures and application.

1100 – D.Christianson and M.Bays decon the Volvo 290 excavator and move out of the recently completed excavation between buildings 259 and 2403. The machine travels to the west side of Bldg 2403 to continue work in the remaining treatment areas for DU-4.
The Mini excavator is moved over to the south end of Bldg 259 Midway Bowl. Begin set up for Maectite treatment. Verify utilities and markings prior to excavation as in prior areas for the Decision Unit.

1200 – Lunch.

1300 – NWDE has U.S. FWS approval to haul partial loaded Volvo trucks between Bldg 259 and 2404 All Hands Club. The reduced gross weight will limit impact to the paved area and sewer manhole vault. A prior excavation of treated soil is determined to need filled in with two loads of clean borrow source coral sand. The Bobcat T750 and one Volvo A30D are decontaminated and arrange with U.S. FWS to access the borrow source at the cargo pier. M.Amann provides support in monitoring for biological activity while NWDE hauls out two loads of clean sand for DU-4.
As treated soil is excavated and partial loads leave the southern Bldg 259 area, the trucks are topped off with additional treated soil from the west excavation areas of Bldg 2403 and then travel to the R2, Cell 3.

1500 – The HVAC heat exchanger for the Midway Bowl is supported on driven in tee posts and blocks so that hand digging under the system can fully remove impacted soil. DBSI electrician verifies for NWDE that an old underground power conduit to the Memorial lighting is no longer in use and was previously abandoned. Continue loading out Maectite treated soil per the Excavation plan.

1730 – End of Day.

Photographs:

Photo 01: View east, Bldg 2404 alley excavation

Photo 02: View east, Bldg 2404 large multi elevation excavation

Photo 03: View west, Bldg 3529 Midway Laundry

Photo 04: View northeast, Bldg 259 Maectite treatment and excavate

Photo 05: View north, Bldg 3503 Maectite spray and lead scrape work

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
9/16/14	175	0	15	1113.5	12	240	1411
Total to Date	1048 soil	0 soil	75 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	30	30

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	0	0

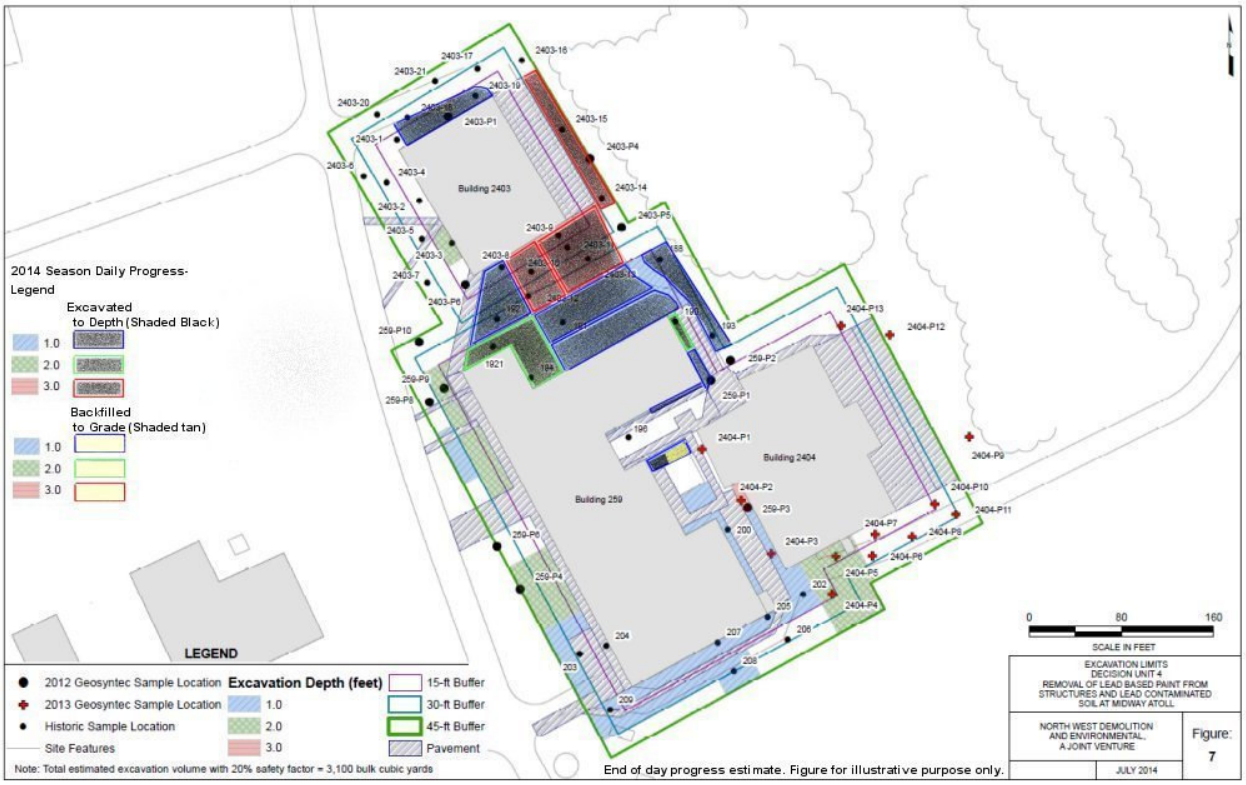
Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0
9/16/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Wednesday, September 17, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 9mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	11 gallons	Iniki man lift
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0725 – NWDE will be working the west side of Bldg 259 for soil treatment while Iniki remains on painting tasks for DU-7.

0800 – The east wall of Bldg 3502 Dining Hall is being continued with Lead Stop paint application using the airless spray gun. Iniki is also applying Maectite with sprayer to the south side of Bldg 3503 barracks. Lead scrape work follows as the treated LBP paint is conditioned for the future Lead Stop coating.

0915 – NWDE is applying Maectite reagent from a tote to the DU-4 soil west of Bldg 259 near the English class door way. Routine distribution of the chemical are pumped through a dual diaphragm pneumatic pump and discharged out a 1" hose. The calculated Maectite volume of .75 gallons per cubic yard is distributed evenly through out pre measured tee post grids. Water is then added directly onto the soil before mechanical mixing occurs with the excavator rake. Water is also added evenly after mixing has occurred and occasionally during loading as needed to amend the moisture content of the soil, aiding in dispersion of the reagent into the soil.
A second excavator is near the theater end of Bldg 259 loading out treated soil into off road dump trucks. This soil is hauled and dumped in the R2, Cell 3. The number of abandon utilities is increasing as the digging depth of 2' deep is reached. Sewer lines and fire suppression pipes are encountered as digging progresses. Lines are left in place as much as possible verses removal.

1030 – During excavation on the north and south sides of the theater sidewalk near its intersect of the Nimitz Ave, at the west edge of the 1' excavation limits, old transite siding is encountered. This asbestos containing material looks to have been buried years ago prior to the concrete sidewalk being poured. The depth of the ACM begins at approximately 1' bgs and the lengths of siding appear to run under the sidewalk north and south. The ACM is left in place pending an approved course of action. M.Amann, U.S. FWS is notified. She consults with G.Lewis, Iniki for a proper disposal assessment.
M.Bays moves the excavator out, working farther to the south in a different grid until the ACM is dealt with.

1130 – Two spherical "smudge pots" are located at a depth of 20" deep. The kerosene wick lamps are in poor shape. They were located in line with the theater sewer vent line, 8' west of the sewer vent. U.S. FWS is made aware of the discovery. No additional items were found in the area.

1200 – Lunch.

1530 – The Mini excavator has been working the south end of Bldg 259 Midway Bowl. J.Stone wraps up and moves to Bldg 2404. The 2' excavation limit east of the All Hands club has an old pavement roadway through it as shown on Fig 7. This is scraped off to find the road shoulders prior to calculating Maectite. Half of the excavation area is treated and mixed with reagent and water prior to days end, but not hauled out.

1700 – Iniki team has finished major Lead Stop application to the Dining Hall Bldg 3502 and lower part of Bldg 3503 barracks. Pick up the paint work area for the day.

1730 – End of Day.

Photographs:

Photo 01: View south, Bldg 259 front landscape area Maectite application in grids.

Photo 02: View south west, Bldg 259 front landscape area Maectite mixing

Photo 03: View east, Bldg 2404 mechanical mixing of treated soil

Photo 04: View east, R2, Cell 3 treated soil

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
9/16/14	175	0	15	1113.5	12	240	1411
9/17/14	313.5	0	10	1437	22	430	1841
Total to Date	1362 soil	0 soil	75 walls[3]				

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.
3. 9-16-14 typo should read 65 gallons; 9-17-14 accurately reads 75 gallons applied to date.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	30	30
9/17/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	0	0
9/17/14	0	0

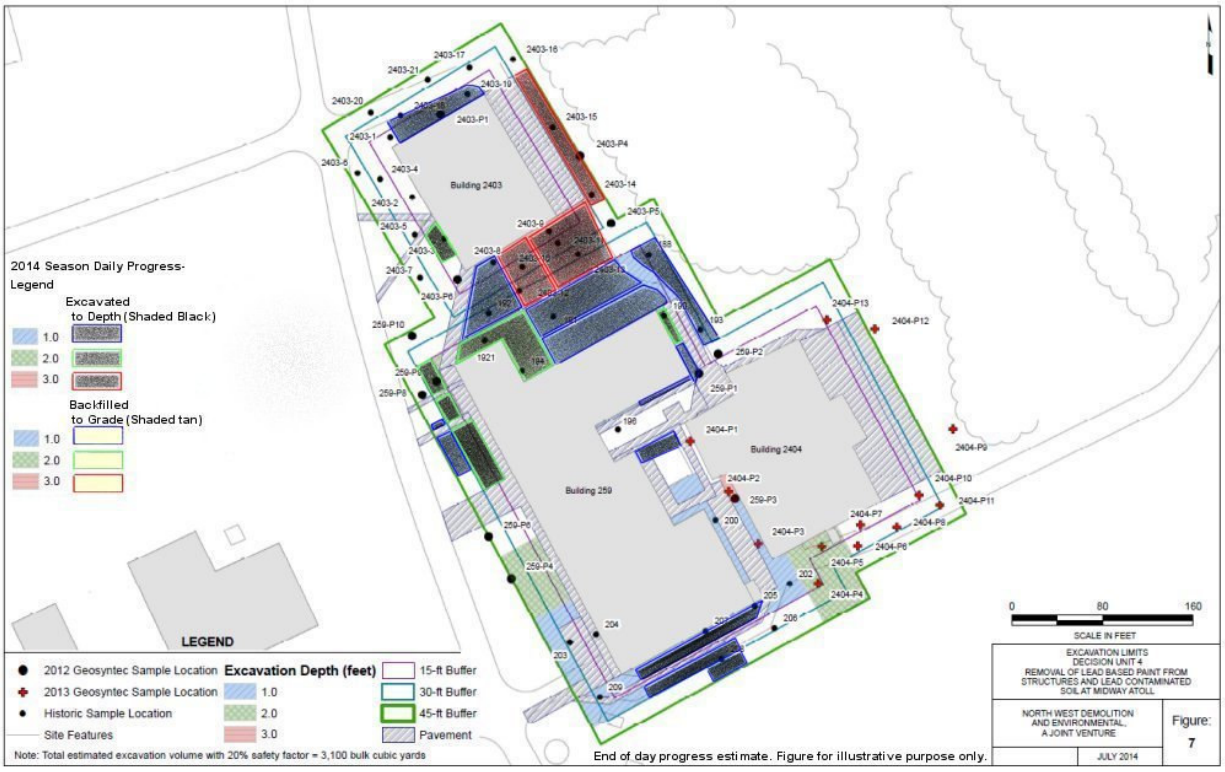
Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0
9/16/14	0	0	0	0	0
9/17/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Thursday, September 18, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: High clouds, Wind 8mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Darin Leibelt	NWDE Project Manager	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Jennifer Nevius	NWDE Civil Engineer	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	Iniki man lift
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0715 – NWDE loads up the F-450 flatbed truck with tote # 7. Approximately 50 gallons is transferred out of the tote and stored in tote # 4 to safely allow lifting the tote up to place it on the flatbed due to weight. Mobilize to Bldg 259. Iniki will be working on Bldg 3503 barracks and Bldg 3502 Dining Hall.

0900 – At Bldg 2403 All Hands Club Maectite is applied using the routine application method of .75 gallons per cubic yard. The west excavation area at the building foundation is treated and mixed to a uniform consistency to distribute the reagent into the impacted LBP soil. The Mini excavator carefully mixes the pre determined lift of material being cautious of potential below grade obstacles and utilities. West of the Midway Bowl, tee post grid work aids in applying Maectite to the area in a predictive pattern. The Volvo 290 rake is put into use along with a fire hose to provide satisfactory distribution for the treatment chemical.
The small flower bed area north of the Bowling door is hand dug to a depth of 1' and placed into the larger treatment area due to multiple underground utilities within the area. The soil is treated with Maectite. Additionally the dug out area will also be treated with Maectite as a preventative measure.

1100 – Excavation of treated soils at Bldg 259 progresses from the Midway Bowl entry working north towards the Midway Mall sign. The Cat mini excavator moves in to better excavate the increasingly small sections between existing utility pipes. 2' and 1' elevation depths are removed and hauled to the R2, Cell 3.

1200 – Lunch.

1300 – The Mini excavator returns to load out treated soil from the south side of Bldg 2404 All Hands Club. J.Stone loads light partial loads and the Volvo truck eases out of the alley between Bldg 259 & Bldg 2404. Loads are topped off on Nimitz Ave with additional treated soil from Bldg 259 west landscape area.

1500 – Iniki is applying Lead Stop paint coating to 2503 barracks. Progress will make the building approximately 50% complete on coverage for today. At Bldg 3502 Dining Hall the ground cover 6mil poly sheeting is removed and collected for disposal staging as LBP waste. The team carefully folds and rolls the sheeting as to not lose debris materials. These are then bagged, sealed and moved to the appropriate LBP waste storage container at the NAF staging area.

1730 – End of day.

Photographs:

Photo 01: Loading a tote of Maectite for DU-4.

Photo 02: View east, Bldg 2404 Maectite application

Photo 03: View north, Bldg 259, excavation of treated soil

Photo 04: View north, Bldg 2404 loading treated soil for hauling to R2, Cell 3.

Photo 05: View northwest, Bldg 3503 and Bldg 310 Lead Stop paint progress

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
9/16/14	175	0	15	1113.5	12	240	1411
9/17/14	313.5	0	10	1437	22	430	1841
9/18/14	111	0	0	1548	25	152	1993
Total to Date	1473 soil	0 soil	75 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	30	30
9/17/14	0	0
9/18/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	0	0
9/17/14	0	0
9/18/14	0	0

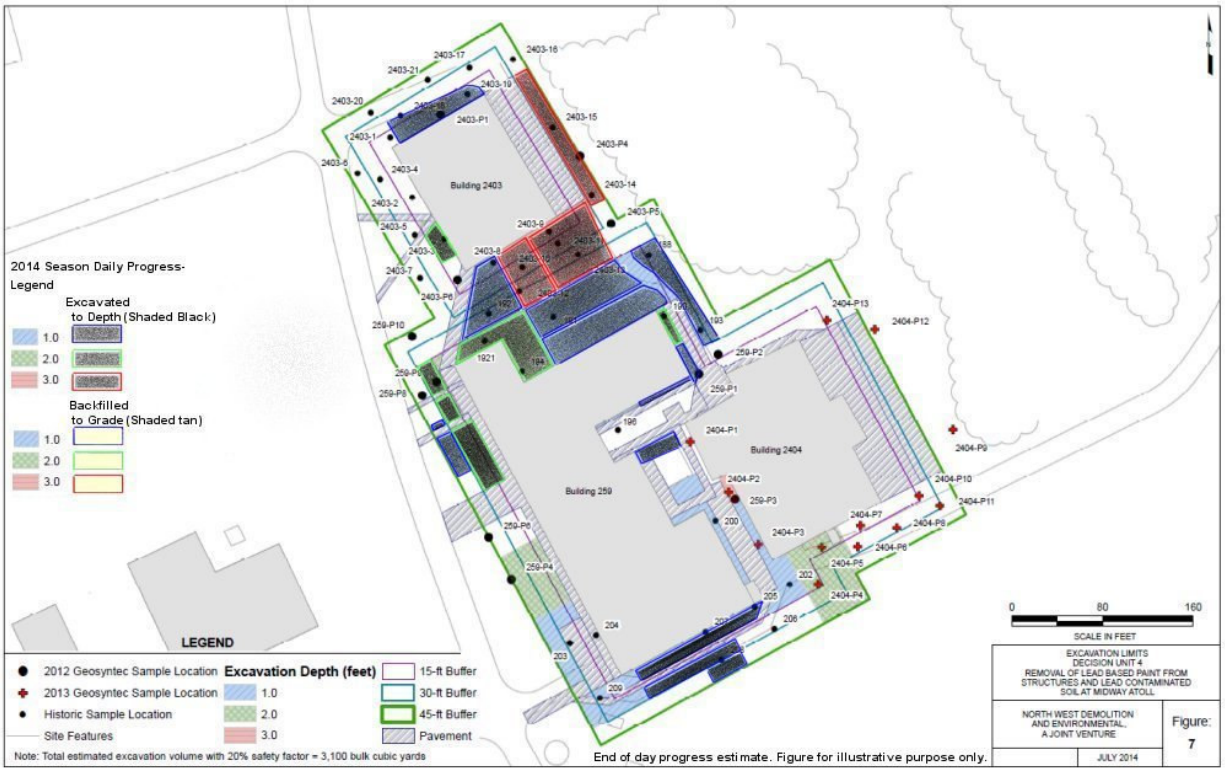
Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0
9/16/14	0	0	0	0	0
9/17/14	0	0	0	0	0
9/18/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, September 19, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 8mph, Temperature ~89F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	110 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE resumes soil treatment near Bldg 2404 All Hands Club. Iniki focuses on Bldg 3503 barracks and Bldg 3502 Dining Hall tasks.

0730 – Begin layout of DU-7 Bldg 3504 barracks excavation area. S.Wakefield and M.Bays layout the limits per DU-7, Figure 2. DBSI arrives on site for a utility locate, marking the main water service and old water service piping that runs approximately north/south parallel to the barracks wall. Determine that the most recently installed 6" PVC water line is near 14" of sand cover over the top of pipe to grade. Proceed with pothole verification of the water main and also locate the old original water service pipe that is 6" steel, 27" deep bgs to top of pipe. These utilities will intersect both excavations on the east side of Bldg 3504.

1000 – Discuss with E.White, NWDE the consideration of a 12" deep pipe that is in a proposed excavation area for a 3' deep invert elevation. Exposing the main water line has the potential to shift if the primary bedded grade is disturbed or if water hammer effect were to take place. The concern is the pipe becoming damaged and the vital requirement for being the primary source of potable water on the island.

1130 – Iniki crew N.Wond and E.Esposito and have been painting the north end of Bldg 3503 with Lead Stop. Three man crew K.Kaawa, P.Kneubuhl and G.Arakaki are folding up and collecting the 6mil poly liner around Bldg 3502 Dining Hall.

1200 – Lunch.

1330 – NWDE J.Stone is loading out treated soil at the south edge of Bldg 2404. This material is hauled to the R2, Cell 3 in the off road truck by L.Lewis.
At the R2, Cell 4, NDWE D.Hard and M.Bays are collecting the shade cloth cover that is sand bagged over last seasons work. The Bobcat T750 and grapple bucket are used to move the cloth that has become grown in with grasses and weighted down with winter debris. The cloth and sand bags are arranged to make room in Cell 4 for the upcoming DU-7 soil import.

1500 – Maectite treatment of the small plots of LBP impacted soil in the alley between Bldg 259 and Bldg 2404 All Hands Club is ongoing. These areas are bordered by building foundations and asphalt / concrete. The soil continues to be treated at .75 gallons per cubic yard, amended with fire water and mixed to a uniform consistency.

1715 – The NWDE Volvo 290 excavators are moved to the area south of DU-7, Bldg 3502. To date, the excavated areas in and around DU-4 have been conspicuously marked with caution tape for pedestrians and vehicle traffic safety.

1730 – End of day.

Photographs:

Photo 01: DU-7 view east, Bldg 3504, 3502, 3503 with Lead Stop applied

Photo 02: View northwest, Bldg 3503 Lead Stop spray application up top

Photo 03: View north, Bldg 259, north/south alley facing theater

Photo 04: View south, Bldg 259 soil treatment / excavated area prior to backfill

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
9/16/14	175	0	15	1113.5	12	240	1411
9/17/14	313.5	0	10	1437	22	430	1841
9/18/14	111	0	0	1548	25	152	1993
9/19/14	38	0	1	1587	12	52	2045
Total to Date	1511 soil	0 soil	76 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	30	30
9/17/14	0	0
9/18/14	0	0
9/19/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	0	0
9/17/14	0	0
9/18/14	0	0
9/19/14	0	0

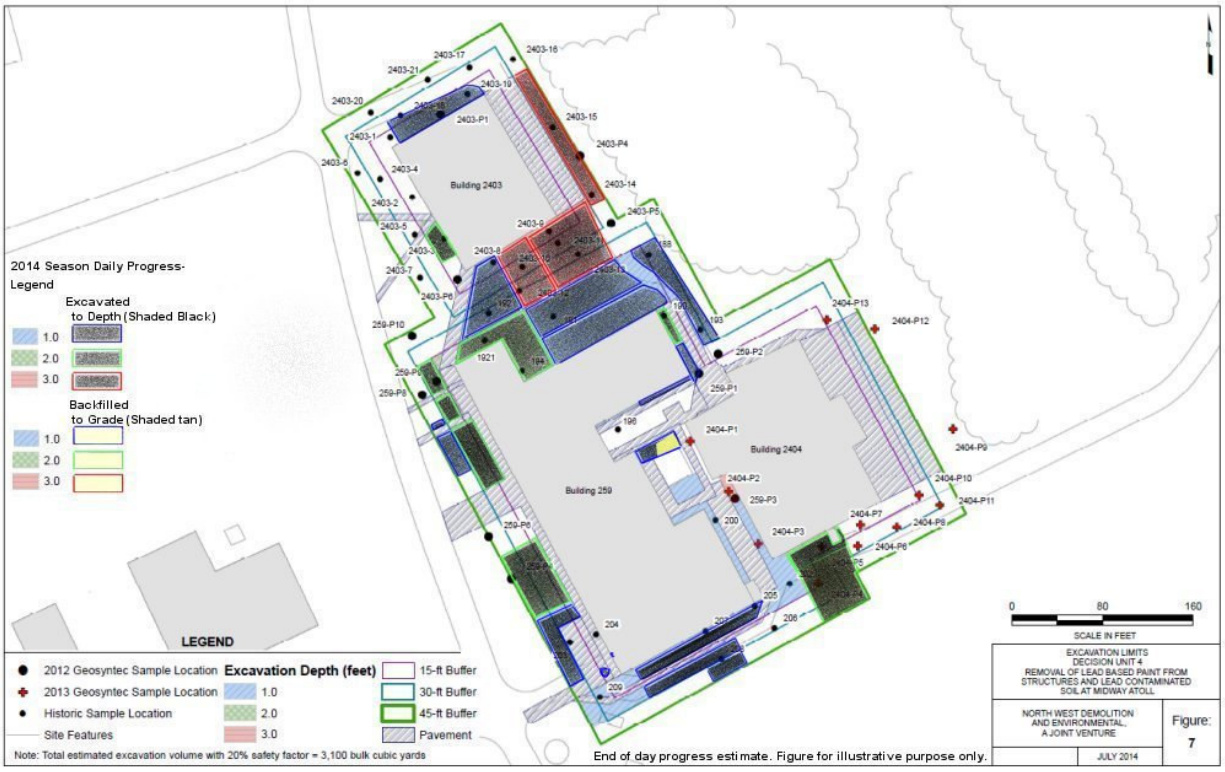
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0
9/16/14	0	0	0	0	0
9/17/14	0	0	0	0	0
9/18/14	0	0	0	0	0
9/19/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, September 20, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 9mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	9
Dave Hard	NWDE Operator	9
Jevon Stone	NWDE Operator	9
Lauren Lewis	NWDE Operator	9
Dale Christianson	NWDE Operator	9
Joel Smith	NWDE Operator	9
Mike Bays	NWDE Operator	9
Gary Lewis	Iniki Supervisor	9
Kailialoha Kaawa	Iniki Laborer	9
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	8 gallons	Iniki man lift
Diesel	166	NWDE
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE precedes to the last few small excavation areas for DU-4 near Bldg 259. Iniki's large task beginning today is the gymnasium area Bldg 3512.

0800 – The small alley areas between Bldg 259 and Bldg 2404 are treated with Maectite in place and mixed to uniformity with the soil. Water is added to aid in dispersing the reagent per the manufacturers' recommendation.
The small soil area near 2404-P1 is treated and skimmed off at a 6" lift as a preventative measure as directed by M.Amman, U.S. FWS. The soil is hauled to the R2, Cell 3 using the off road truck along with other small plots of treated soil within DU-4.

0920 – NWDE E.White and S.Wakefield discuss with M.Amann the limitations of treating and excavating soil at DU-7, east of Bldg 3504 barracks. Specifically the 6" main water line elevation of 14" deep to top of pipe and the intent of the excavation plan to dig down 3'. Consider solutions for the PVC water line to protect in place and still achieve the goal of stabilizing the LBP impacted soil.
Initial discussion includes the proposal of allowing the 6" water line to remain on a native berm of coral sand as it currently sits. The top 12" of native soil would be carefully removed and treated in an adjacent area away from the water line. Then excavation would occur to the 3' depth but stay approximately 3' off both sides of the 6" water line.
The 6' wide berm would have Maectite & water applied evenly but not be mixed mechanically with the rake attachment. This berm and pipe would then be covered with shade cloth as a barrier to limit petrels burrowing into the soil. Clean coral sand from the borrow source then would cap the pipe at a minimum of 18". This proposed method is under review and will be addressed in Monday's phone conference meeting.

1015 – Iniki has been placing 6mil poly sheeting around Bldg 3512. Three petrels are found and removed prior to placement. The poly sheeting edges are spray glued and taped to the foundation as standard procedure in LBP abatement work. Maectite spray and lead scrape work goes forward, two guys working with the man lift. Proceeding clockwise around the building they prepare the exterior walls for future Lead Stop application.

1200 – Lunch

1300 – Iniki continues task work for Bldg 3512 gym. Part of the team is also over at Bldg 3502 Dining Hall working around the edges and doing touch up work. The foundation area is finished with Lead Stop paint as required after the mask / sheeting was removed. Lead Stop is applied with the airless sprayer.

1600 – Iniki is removing the 6mil poly sheeting from Bldg 3503 barracks. The material and LBP debris is folded up, rolled and bagged up for placement in the LBP waste container at the NAF storage area.
NWDE works to wrap up the small treatment grids at the south west corner of the Midway Bowl near the Memorial plaque. Soil is treated with Maectite at the prescribed .75 gallons per cubic yard and conditioned as required for proper treatment. DU-4 excavation task reaches a milestone of LBP soils being treated and hauled to the permanent R2 site.

1730 – End of day.

Photographs:

Photo 01: View west, Bldg 3512 Maectite prep and lead scrape on gymnasium

Photo 02: View northwest, Bldg 3502 Lead Stop touch up work

Photo 03: View east, Bldg 259, Maectite application

Photo 04: View south, Memorial area excavation

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/15/14	260	0	10	923.5	34	356	1171
9/16/14	175	0	15	1113.5	12	240	1411
9/17/14	313.5	0	10	1437	22	430	1841
9/18/14	111	0	0	1548	25	152	1993
9/19/14	38	0	1	1587	12	52	2045
9/20/14	70.5	0	10	1668	7	97	2142
Total to Date	1582 soil	0 soil	86 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	30	30
9/17/14	0	0
9/18/14	0	0
9/19/14	0	0
9/20/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/15/14	0	0
9/16/14	0	0
9/17/14	0	0
9/18/14	0	0
9/19/14	0	0
9/20/14	0	0

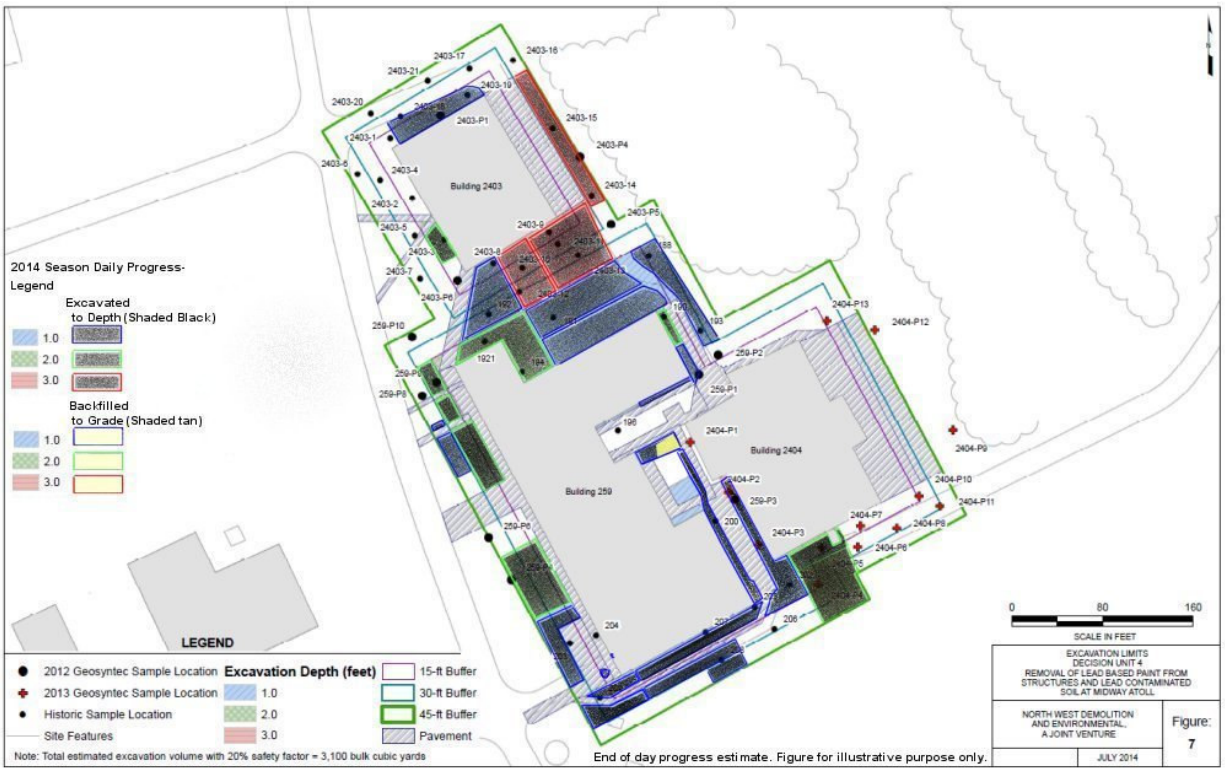
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/15/14	0	0	0	0	0
9/16/14	0	0	0	0	0
9/17/14	0	0	0	0	0
9/18/14	0	0	0	0	0
9/19/14	0	0	0	0	0
9/20/14	0	0	0	0	0

Map 1- Excavation Limits Progress



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, September 22, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 13mph, Temperature ~88F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will transition over to begin excavation for DU-7 area, beginning at Bldg 3504 barracks south west corner.
Iniki will have a split crew today, one group continuing preparation for Bldg 3512 Gym and the other at Bldg 3502 Dining Hall for touch up of the Lead Stop.

0745 – The grid work at Bldg 3504 has been set up previously. These grids are used to calculate the volume of Maectite treatment in gallons to the cubic yardage of soil specific to the excavation area. Petrel patrol begins to check burrowing bird holes. Three birds are removed.
Begin pumping the Maectite reagent onto grids straight out of the tote, amending the soil with water from the fire hydrant hose. The treated lift of soil is 18" deep for this first pass. Target depth of the excavation will be 3' deep bgs. The Volvo 290 excavator fitted with a brush rake mechanically mixes the soil and Maectite to a uniform consistency.

0900 – Soil treatment continues on the south and south west region of Bldg 3504.
Iniki remains on task at Bldg 3512 for Maectite spray and lead scrape work. The adjacent Bldg 3142 and Bldg 3506 are also being prepared for Lead Stop. 6 mil poly sheeting is first placed around the building perimeter, spray glue and taped to foundations as a work zone for LBP containment.

1000 – Weekly conference call with Mainland and Hawaii project offices. See NWDE Midway Meeting Agenda for specific detail.
Approval from M.Amann, U.S. FWS to proceed with the protect in place measures for the 6" main potable water line that runs north/south through the proposed excavation areas, east of Bldg 3504.

1030 – The anticipated fall supply ship arrived this morning and is unloading cargo containers. The Kahana has brought two 20' containers near 25,000 lbs each for NWDE. Supplies include consumables, empty sand bags and 10 totes of Maectite reagent for continued task work on the Decision Units.

1100 – Utility piping to the south and east of Bldg 3504 is discovered at a depth of approximately 18". This pipe is ACM type material and is approximately 8' south of the south wall. The pipe turns 90 degrees to the north and parallels Bldg 3504 approximately 8' off the buildings east wall. Iniki Demolition assists in removing the sections of pipe and staging them on 6 mil poly near the excavation area.
Two additional suspect ACM pipe lines are encounter near the bottom of the 3' target excavation. These two pipes will be left in place undisturbed. The pair of pipes are parallel to Bldg 3504 eastern wall running north/south approximately 5' from the foundation.

1200 – Lunch.

1300 – Excavation at the south east corner of Bldg 3504 continues. The second 18" lift of Maectite is calculated and applied. Mixing occurs with the Volvo excavator. Abandon pipe utilities that are not marked continue to be abundant. This includes an east/west and north south cement backfilled trench for former Navy electrical service, two 4" PVC sleeves with an inner pulled 1" water line, former 1.5" steel water line, 1" steel line & 6" concrete pipe.

As grade is reached, the static water table for the area begins to accumulate in the excavation floor. The soil berm that is left intact for protection of the 6" water line is in good shape. Given the higher than anticipated water table, NWDE is careful to not overly disturb the active 6" water pipe supporting material.

1400 – Iniki has been touching up the north wall of Bldg 3502 Dining Hall. If the original LBP lifted after the Lead Stop paint was first applied and is unsatisfactory, the lead scrape task occurs again and then the Lead Stop is re sprayed in this area for complete encapsulation of the LBP surface.
Bldg 3512 Gym is near completion for the Maectite and scrape tasks. Additionally Bldg 3142 generator room and Bldg 3503 Flammable storage are prepped for 6mil poly, Maectite application and lead scrape treatment.

1530 – NWDE S.Wakefield, J.Smith and J.Stone place additional grids in the north east excavation area for Bldg 3504 barracks. Begin moving equipment around to the north side of the covered walkway to set up for additional soil treatment work.
Iniki K.Kaawa and G Arakaki have been collecting and double bagging ACM pipe that was discovered at Bldg 259. The ACM material is tagged and will be staged at the NAF area in the waste specific labeled ACM shipping container.

1730 – NWDE is approximately 85% complete with the south east corner excavation and clean up tasks for Bldg 3504. This is only the corner area south of the covered walkway.

1730 – End of day

Photographs:

Photo 01: View west, Bldg 3504 barracks Maectite treatment, mix and excavate.

Photo 02: NAF staging area, fall Kahana supplies arrive.

Photo 03: View south, Bldg 3512, 3142 Maectite spray and lead scrape preparation.

Photo 04: View east, Bldg 259 ACM pipe double bagged for disposal.

Photo 05: View north, Bldg 3504 barracks suspect ACM pipe at bottom of excavation.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/22/14	0	398	10	2076	24	491	2633
Total to Date	1582 soil	398 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0

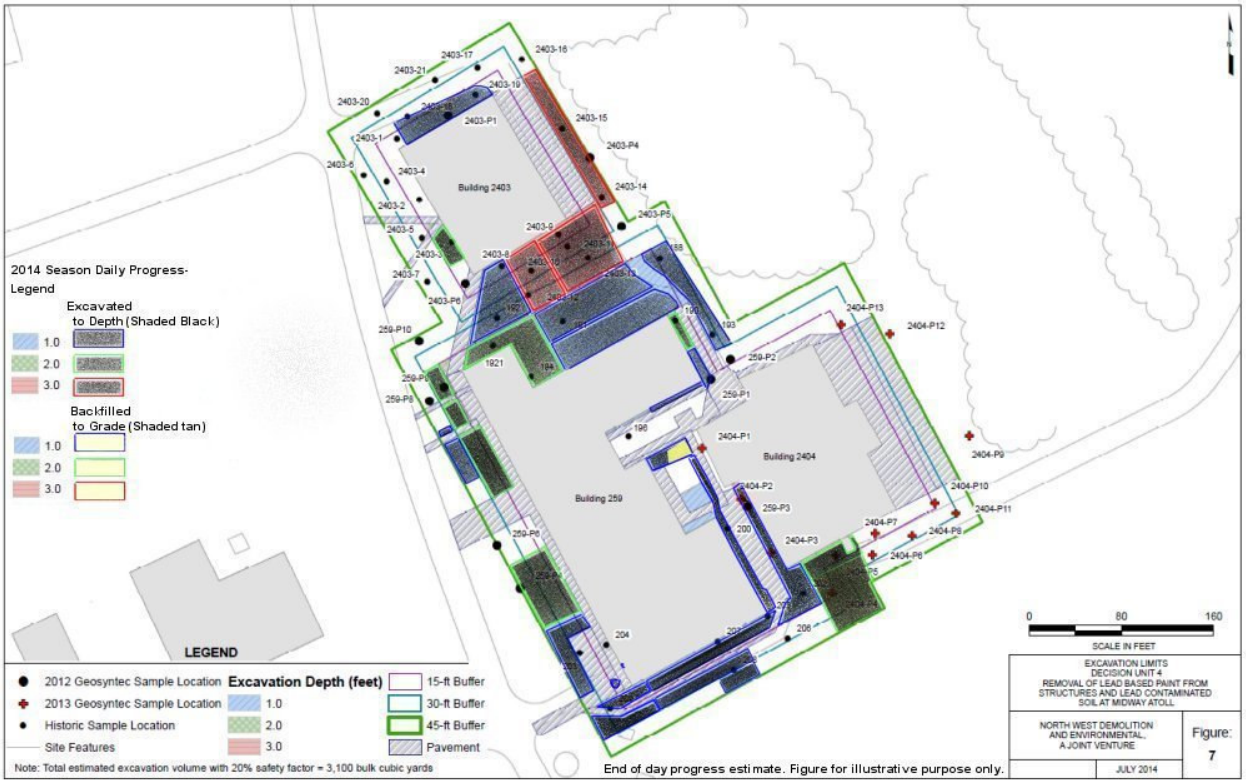
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/22/14	0	0	0	0	0

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, September 23, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, Wind 13mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will continue to treat and excavate Bldg 3504 barracks area. Iniki will stay on task to touch up Lead Stop areas as required.
NWDE loads up a new tote of Maectite onto the flatbed to begin the day.

0800 – Iniki A.Toro, K. Kaawa and G.Arakaki are touching up the metal sided Bldg 3524. Some paint has lifted due to the prior rusted areas. Lead scrape task removes the loose materials to prepare for re spraying Lead Stop paint to seal the exterior walls. The man doors that have fallen down off the door jambs are repositioned and anchored using wood screws. The doors are now in place to keep birds out and debris in.
NWDE J.Smith and L.Lewis are applying Maectite from the 300 gallon tote to previously set up grids at a percent mass addition rate. Calculations per the chemical manufacturer Sevenson Environmental Services remain at a target of .75 gallons per cubic yard of LBP impacted soil. The grid is conditioned with fire hose water and mechanical mixing occurs using the Volvo excavator in large areas. Smaller grids near the barracks building are mixed using the Cat mini excavator. Soil, water and Maectite are mixed to a uniform consistency prior to exporting soil out to the R2.

0845 – J.Stone, NWDE is excavating the area immediately north of the covered walkway, near the barracks foundation. A continuation of the previously discovered ACM pipe south of the walkway is found in the north area as well. Iniki Demo G.Lewis is onsite to remove the ACM and stage it on 6mil poly sheeting for bagging tasks.

0930 – Iniki double bags and seals the ACM for proper containment of the waste. Debris will be placed in the ACM waste container at the NAF staging area.

1000 – S.Wakefield, NWDE visually inspects the DU-7 area for paint chips. Bldgs 3504, 3524, 3502, 3529, 3503, 310 are noted for paint chips. These chips are materials collected on the ground over time prior to abatement work. Other DU-7 Bldgs will be inspected and noted as work continues.

1150 – E.White, NWDE and M.Amann, U.S.FWS make note that the R2, Cell 4 southwest wall has a water line (HDPE) that needs verified and isolated. In the past the pipe had water pressure up to the nearby shut off valve. This aspect of the utility needs investigated further prior to filling in Cell 4.

1200 – Lunch

1330 – M.Amann, G.Lewis and S.Wakefield meet to field verify DU-9 buildings slated for future demo.

1530 – NWDE maintains progress in treating a second lift of soil at Bldg 3504 excavation plot. The target 3' bgs excavation depth is being made once the soils are loaded out into Volvo off road trucks. At the bottom of the cut, ground water becomes present as seen on the adjacent excavation to the south.
D.Hard and S.Wakefield set out excavation limits at Bldg 3503 barracks per DU-7, Figure 2.
Iniki N.Wond and E. Esposito spray touch up Lead Stop paint under eves of Bldg 3503 using the man lift.

1730 – End of day

Photographs:

Photo 01: View south, Bldg 3504 barracks southeast excavation static water table

Photo 02: R2 view south, Cell 3 (left) Cell 4 (right). Mounds are from DU-7 progress.

Photo 03: View north, Bldg 3504, ACM pipe from south and east areas being bagged and labeled.

Photo 04: View south, Bldg 3504 east excavation plot.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/22/14	0	398	10	2076	24	491	2633
9/23/14	0	341	0	2417	28	468	3101
Total to Date	1582 soil	739 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0

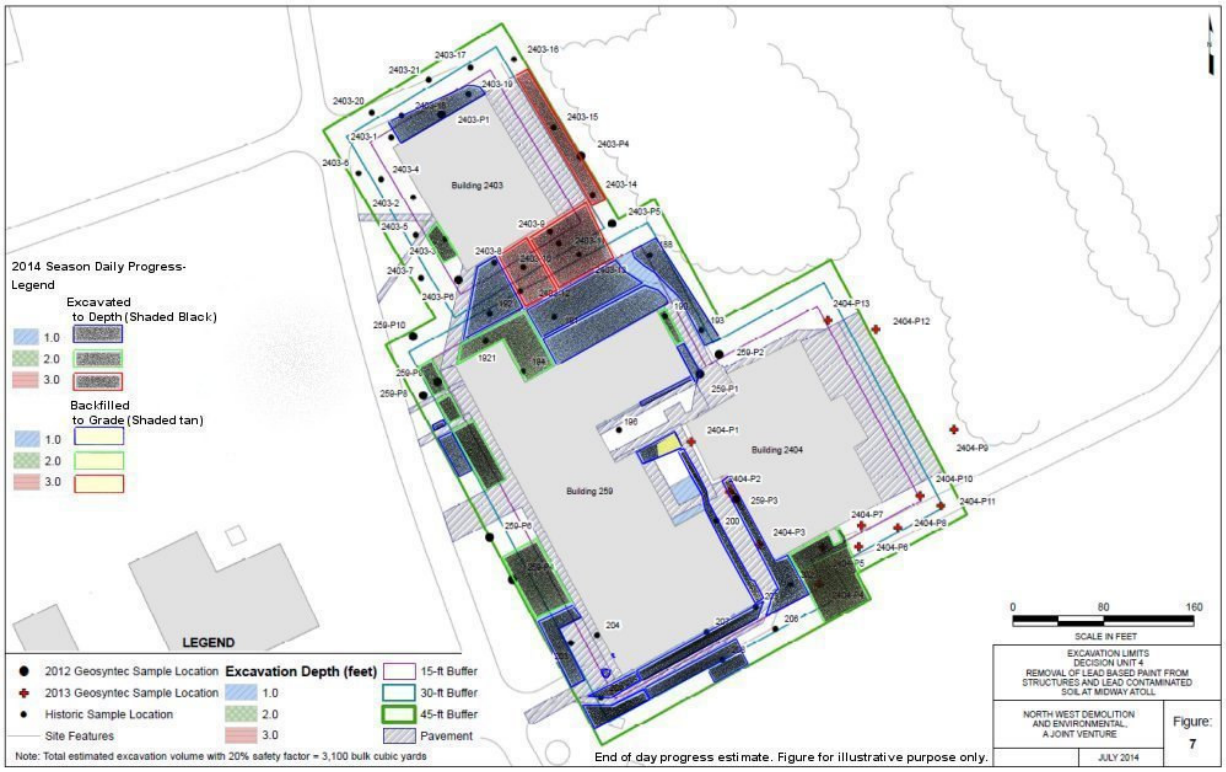
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/22/14	0	0	0	0	0
9/23/14	0	0	0	0	0

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, September 26, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Clear skies, Wind 3mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	18 gallons	Iniki

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will be starting on the gymnasium Bldg 3512 soil treatment this morning. Iniki will also be working on Bldg 3512 for Lead Stop painting work.
D.Christianson is servicing the off road trucks for preventative maintenance. The rest of the NWDE crew is beginning petrel patrol to check burrows prior to moving further into the excavation area.

0745 – S.Wakefield, NWDE continues MIS sampling for the DU-4 area, plot #4. This is the large area north of Bldg 259 and south of Bldg 2403.

1000 – NWDE is working the small areas between the gym Bldg 3512 and the adjacent generator Bldg 3142. The two narrow access areas are required to be excavated to a depth of 1' bgs. The mini excavator and tracked skid steer can reach over half the area, but a significant amount of hand digging is required to remove LBP impacted sand from the foundation areas. Crews use shovels and wheel borrows to complete the soil removal. This soil is then treated with Maectite at the prescribed rate of .75 gallons per cubic yard, mixed to a uniform consistency with water and later hauled to the R2, Cell 4.

1100 – Iniki is painting the south side wall of Bldg 3512 gym. Lead Stop elastomeric paint coating is applied with the airless sprayer to seal in the buildings' previously Maectite prepared surface. The wall, eves and soffit areas are all covered with the white coating.
D.Hard, NWDE proceeds out to the R2 for maintaining the soil placement in Cell 4 with the T750 Bobcat. DBSI tracked dozer has not been available to date this season due to a mechanical break down.
Note: The previously mentioned 2" HDPE water pipe in the southwest corner of the R2 has been isolated and capped yesterday by DBSI facilities crew.

1200 – Lunch.

1300 – Iniki G.Arakaki, K.Kaawa and P.Kneubuhl go to the clean coral sand borrow source located at the north Cargo Pier headwall area. They continue filling sandbags and palletizing them for transporting to the NAF staging area. Biological awareness of marine animals continues during their work period.

1330 – At Bldg 3142 generator, an unmarked utility is encountered. A steel 3" poly tape wrapped line is discovered at approximately 14" deep. DBSI facilities crew arrives to verify it is abandon and no longer in use. However it will be protected in place and left intact.
The Maectite flat bed truck is applying reagent to the east grid area of the gym, Bldg 3512. This plot adjoining the foundation is targeted for 1' deep treatment and excavation.

1510 – Maectite truck moves into the northeast corner of the gym Bldg 3512, continuing treatment of the 1' grid area. Soils are mixed mechanically with the excavator, amended with water during mixing and prepared for export to the R2, Cell 4.

1630 – Wrap up for the day on MIS sampling for DU-4. The remaining plot 1 of 5 remains to be collected prior to backfilling tasks for the area around Bldg 259, 2403 and 2404.

1730 – End of day.

Photographs:

Photo 01: View west, Bldg 3142 generator, Bldg 3512 gymnasium Lead Stop paint.

Photo 02: View southwest, Bldg 3512 Gymnasium limited excavation area.

Photo 03: View southeast, Bldg 3142 (L) Bldg 3512 (R) limited excavation area.

Photo 04: View south, Bldg 3512 loading Maectite treated soil.

Photo 05: View northwest, Bldg 3512 Maectite, water and mixing tasks.

Photo 06: View west, Bldg 3504 (L) Bldg 3512 Gym (R) Lead Stop paint progress

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/22/14	0	398	10	2076	24	491	2633
9/23/14	0	341	0	2417	28	468	3101
9/24/14	0	332	0	2749	31	455	3556
9/25/14	0	69	0	2818	10	95	3651
9/26/14	0	126	0	2944	6	173	3824
Total to Date	1582 soil	1266 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0
9/24/14	0	0
9/25/14	0	0
9/26/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0
9/24/14	0	0
9/25/14	0	0
9/26/14	0	0

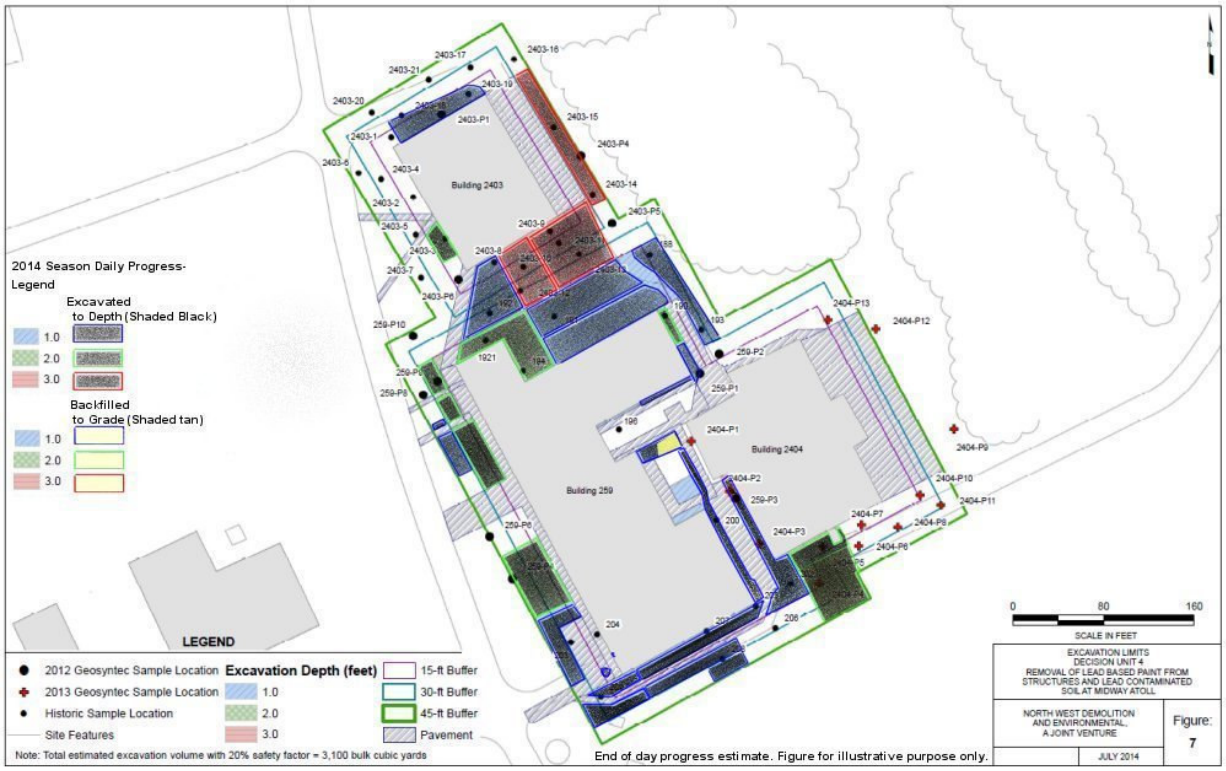
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/22/14	0	0	0	0	0
9/23/14	0	0	0	0	0
9/24/14	0	0	0	0	0
9/25/14	0	0	0	0	0
9/26/14	0	0	0	0	0

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, September 27, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Clear skies, Wind 6mph, Temperature ~90F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	0
Noah Wond	Iniki Laborer	0
Evan Esposito	Iniki Laborer	0
Garrick Arakaki	Iniki Laborer	0
Phillip Kneubuhl	Iniki Laborer	0
Alladin Toro	Iniki Laborer	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE resumes treatment and excavation for Bldg 3512 gymnasium. Iniki field crew will not be working today.

0800 – Maectite is being applied to the grid east of generator Bldg 3142. The air powered dual diaphragm pump transfers the reagent from the tote and is evenly applied to the LBP impacted soil. Fire service water is added to aid in mixing and evenly dispersing the chemicals through out the mass of soil. M.Bays operates the Volvo 290 to rake and mechanically mix the liquids with the target 1' lift of sand.
The Mini excavator is working the southeast region of the gym Bldg 3512. The previously treated and mixed soil is pulled back to a stockpile for loading into the A30 off road trucks, destined for the R2, Cell 4.

0830 – NWDE S.Wakefield continues on confirmation sampling for the bottom of DU-4 excavation, plot #1. Layout grid work and collect a 32 point MIS sample, record COC, label and seal this in a Whirlpak. A duplicate is also collected as required.

1100 – Multi Increment Sample for DU-4 is wrapped up and complete. The Decision Unit has been divided into 5 plots, a MIS collected for each, a duplicate collected for each and one triplicate collected for plot #5. Samples will be exported to Test America for analysis on the expected October 7th charter flight, MDY to HNL.

1130 – NWDE E.White and M.Amann, U.S. FWS are onsite at the gym Bldg 3512 to determine the impact of recently discovered concrete footings on the excavation area. Currently the concrete perimeter footing appears to be a remote building for facilities or a boiler type room that tied in underground pipes to the gym. The obstacles are located within the target 3' excavation limit. It is decided to excavate around the concrete and leave the footings in place. A few large pier anchors that are unpainted are washed clean and hauled to the bone yard stockpile for clean concrete. Any painted conrete found will be treated and hauled to the R2, Cell 4.

1200 – Lunch.

1430 – The northeast region of the gym, Bldg 3512 continues to be excavated out along the meandering sub grade footing. Two active power service runs are known to exist in this 3' digging area. The yellow flex conduit has been potholed several times and 4" wide foil warning ribbon has been in place above the line as expected.

1600 – NWDE M.Bays unexpectedly encounters the underground power conduit with the bucket of the Volvo 290 excavator. The extent of the damage is only to the electrical conduit and at first look the yellow jacket and conduit wall have been deformed. An unusual PVC outer sleeve is also present in the damaged area. Power was not severed, nor were there any injuries or equipment damage. E.White contacts M.Amann to report this encounter. DBSI will be informed of the situation for an appropriate inspection and repair.
The root cause of the problem for the incident appears to be the recently discovered concrete footings. These have been in place for years. The yellow power service conduit was added in recent years. When the conduit was installed, it was routed in an erratic manner as to avoid immovable concrete items.

The sharp S turn orientation of the yellow conduit made predicting its path incorrect. Additionally, the 4" foil warning tape has not been placed adequately over the run of the conduit, specifically where it was encountered. NWDE reviews and discusses the event with all team members in the field as a group.

1700 – NWDE begins picking up for the day. Access to the gym remains open for the residence to use over the weekend.

1730 – End of day.

Photographs:

Photo 01: View south, Bldg 3512 checking grade with laser.

Photo 02: View northwest, Bldg 3512 mixing Maectite in the northeast 3' plot.

Photo 03: View west Bldg 3142 (L) and unknown concrete footings with erratic conduit route.

Photo 04: Visual damage to the power service conduit.

Photo 05: View southeast, R2 Cell 3 (back) Cell 4 (foreground) visual capacity at end of work day.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/22/14	0	398	10	2076	24	491	2633
9/23/14	0	341	0	2417	28	468	3101
9/24/14	0	332	0	2749	31	455	3556
9/25/14	0	69	0	2818	10	95	3651
9/26/14	0	126	0	2944	6	173	3824
9/27/14	0	225	0	3169	23	309	4133
Total to Date	1582 soil	1491 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0
9/24/14	0	0
9/25/14	0	0
9/26/14	0	0
9/27/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/22/14	0	0
9/23/14	0	0
9/24/14	0	0
9/25/14	0	0
9/26/14	0	0
9/27/14	0	0

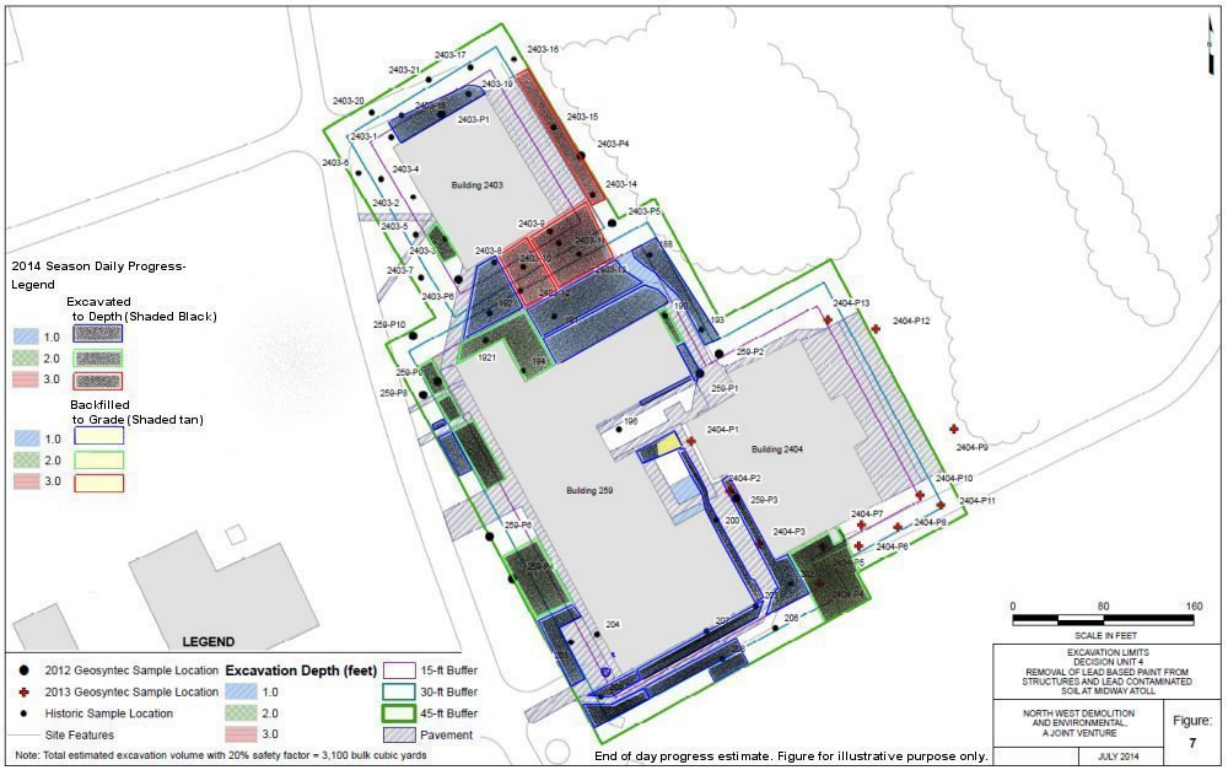
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/22/14	0	0	0	0	0
9/23/14	0	0	0	0	0
9/24/14	0	0	0	0	0
9/25/14	0	0	0	0	0
9/26/14	0	0	0	0	0
9/27/14	0	<.25	0	0	0

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, September 29, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, Wind 9mph, Temperature ~85F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	8
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	8
Garrick Arakaki	Iniki Laborer	8
Phillip Kneubuhl	Iniki Laborer	8
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will continue soil treatment and excavation for Bldg 3512 gym. Iniki will resume painting tasks for the DU-7 buildings. Additionally Iniki picks up the 6mil poly sheeting around the south and west side of the gymnasium. Materials are bagged and staged in the LBP waste container at the NAF area. NWDE S.Wakefield and D.Hard begin measuring and staking for the excavation limits on the south side of Bldg 3512 gym. The layout is specific to details shown on DU-7, Fig 2 for a target 3' bgs excavation.

0800 – M.Bays works to wrap up the northeast excavation area, loading out soil into the off road trucks. D.Christianson and L.Lewis keep steady progress in making round trips to the R2, Cell 4 for dumping full loads of treated materials.
Iniki is setting up to spray Lead Stop paint onto Bldg 3506 Flammable Storage. The exterior walls have been previously prepared with Maectite and lead scrape work. Today's elastomeric coating is the final step in abating the lead based paint in place.

0930 – NWDE bird awareness tasks begin by removing six petrels from the upcoming excavation area south of the gym, Bldg 3512. Additionally, three Laysan ducks are encouraged to cross over to the other side of the road away from the work area.
NWDE J.Smith works to apply a pre calculated amount of Maectite to grid areas on the south excavation area for Bldg 3512 gym. The addition of fire service water with a 2" fire hose is added to aid in mixing the soil and reagent. The liquids are mechanically mixed as required using the Volvo 290 with rake attachment.
J.Stone, NWDE is operating the Cat mini excavator in the close proximity to the gym foundation area. The specific excavation is between the sidewalk and the buildings' concrete slab. Soil is excavated to target depth and placed in the adjacent grid south of the sidewalk. In this location the soil is treated with Maectite at the required .75 gallons per cubic yard.

1000 – Weekly conference call with Mainland and Hawaii project offices. See NWDE Midway Meeting Agenda for specific detail.

1100 – Excavation layout continues to include three areas at Bldg 330 duplex housing.
Iniki has the Flammable Storage Bldg 3506 sprayed with Lead Stop and is touching up areas as needed by hand.

1200 – Lunch.

1300 – At the southwest corner of the Bldg 3512 gym, the previously weathered and broken sidewalk that runs north/south, west of the gym is being picked up. The clean unpainted concrete is loaded into the off road truck and placed at the bone yard concrete stockpile. Volume removed is approximately half of one Volvo truck load.
D.Hard is at the R2 and continues to maintain treated soil piles using the Bobcat T750.

1430 – DBSI Facilities Maintenance crew is inspecting the yellow electrical conduit power service to Bldg 3512 noted on Saturday, September 27th Daily Field Report. They will follow up with NWDE on the condition of the conduit damage.

1600 – Shade cloth placement for the 2014 season will begin this week. Begin marking out around structures in DU-3 slated for soil treatment and excavation. The shade cloth will be placed over LBP impacted soil areas after first inspecting and removing any nesting birds from below grade burrows. Initial layout begins on Bldg 4203 Bravo Barracks.

1700 – NWDE has kept on task at the south portion of Bldg 3512 gym. The afternoon wraps up by hauling treated soil out to the R2. A lift of Maectite treated soil is in place for the night to be excavated out first thing in the morning to keep progress going.

1730 – End of day.

Photographs:

Photo 01: View west, Bldg 3512 (R) gym foundation area soil treatment.

Photo 02: View northeast, from Bldg 3512. Finish the northeast excavation area.

Photo 03: View south, R2 southwest corner of southwest cell.

Photo 04: View west, Bldg 3512 gym (R) Bldg 3503 (back.) Load clean broken sidewalk concrete.

Photo 05: View west, Bldg 3503 (L) Bldg 3512 gym (R) excavation area.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
Total to Date	1582 soil	1872 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0

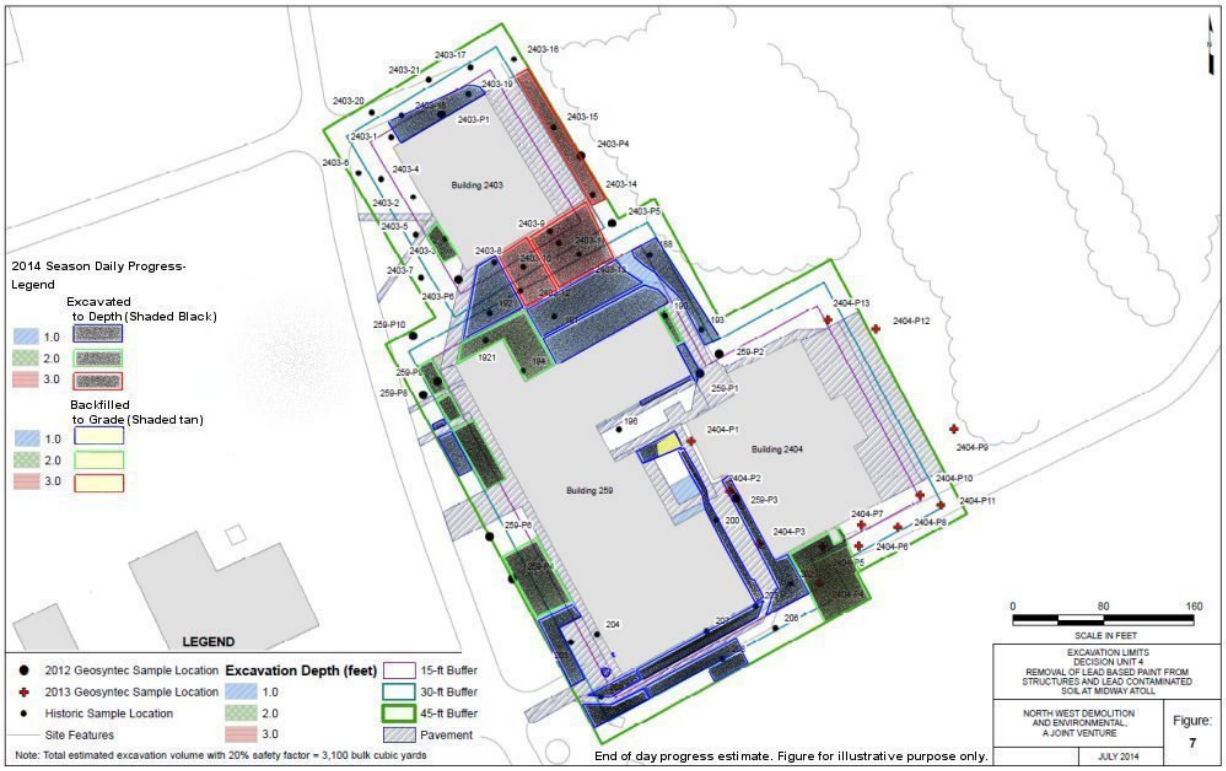
Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, September 30, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, calm wind, Temperature ~87F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	8
Evan Esposito	Iniki Laborer	8
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki
Flatbed truck	Tiger truck	DBSI rental – 1 day.

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will focus on completing the excavation at gym, Bldg 3512. The Iniki crew will be split between installing shade cloth for DU-3 and Maectite tasks for DU-9.

0800 – Iniki P.Kneubuhl and A.Toro are on Petrel Patrol at Bldg 4203 Bravo barracks. Each burrow is inspected, dug back and checked for Bonin petrels that reside inside. Once the adult birds are gently removed they fly away from the work area. Shade cloth will be placed today over the area searched to prevent the burrow from being reoccupied.
NWDE J.Stone and D.Hard transport pallets of pre filled sandbags, shade cloth and anchor spikes and stage them as needed near the barracks excavation areas. The Bobcat S185 does the heavy lifting for material placement.
Iniki K.Kaawa and G.Arakaki are working to apply Maectite to the exterior of select DU-9 buildings. See Table 4 for progress on this task work.

0900 – NWDE S.Wakefield continues marking out excavation limits for the upcoming 2015 Season for DU-3. This layout allows shade cloth to be applied in the future work areas as a barrier for multiple bird species. Primarily the Laysan albatross and Bonin petrel are the target seabirds being barred from next years excavation areas. Bldg 4204 Charlie barracks is the current layout task. Shallow utilities around the DU-3 buildings and residence housing will limit use of steel anchor spikes for shade cloth placement. Additional sandbags will be placed as needed to secure the ground cover adequately.

1030 – NWDE J.Smith and L.Lewis are applying a calculated batch of Maectite to the next excavation lift of LBP impacted sand at the gym, Bldg 3512. The rate continues to be .75 gallons per cubic yard of the reagent pumped direct from the 300 gallon tote container. Water is added as needed to the soil to aid in evenly distributing the chemical while an excavator mixes materials using the rake.

1115 – Begin marking out Bldg 414 Midway House for shade cloth placement. The limits are painted out to indicate areas that will be covered this year with cloth. Materials will be placed only after U.S. FWS gives the approval to proceed with shade cloth placement pending any native or significant plant removal or transplanting work.

1200 – Lunch.

1420 – Iniki has the northwest and north areas of Bldg 4203 blanketed with shade cloth. Overlapping edges of material runs are 12”, folded over and weighted down with black 5 year rated sand bags filled with clean coral sand from the borrow source area.

1640 – NWDE M.Bays is working the last bit of excavated area for the gym, Bldg 3512. D.Christianson and L.Lewis continue hauling the treated soil to the R2, Cell 4. As the excavation wraps up, the two Volvo 290 and Cat 308 excavators are decontaminated thoroughly. Areas suspected of carry over for contaminated soil such as the exit route are skimmed off approximately 4” and transported to the R2 with treated soil.
Begin initial layout for DU-5, Transmitter Bldg 5309 excavation limit for upcoming shade cloth work.

1730 – End of day

Photographs:

Photo 01: View west, Bldg 3512 (R) gym, second lift of Maectite treatment.

Photo 02: View northeast, Bldg 3512. Finish up the southern excavation limit area.

Photo 03: View north from Bldg 4203 Bravo, Petrel Patrol bird relocation #17 of #20.

Photo 04: View west, Bldg 4203 Bravo (R) cutting shade cloth for DU-3.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
9/30/14	0	256.5	0	3806	36	352	5007
Total to Date	1582 soil	2128 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0
9/30/14	0	0

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0
9/30/14	0	0

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0
9/30/14	0	~.25 piers	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
Total to date		40

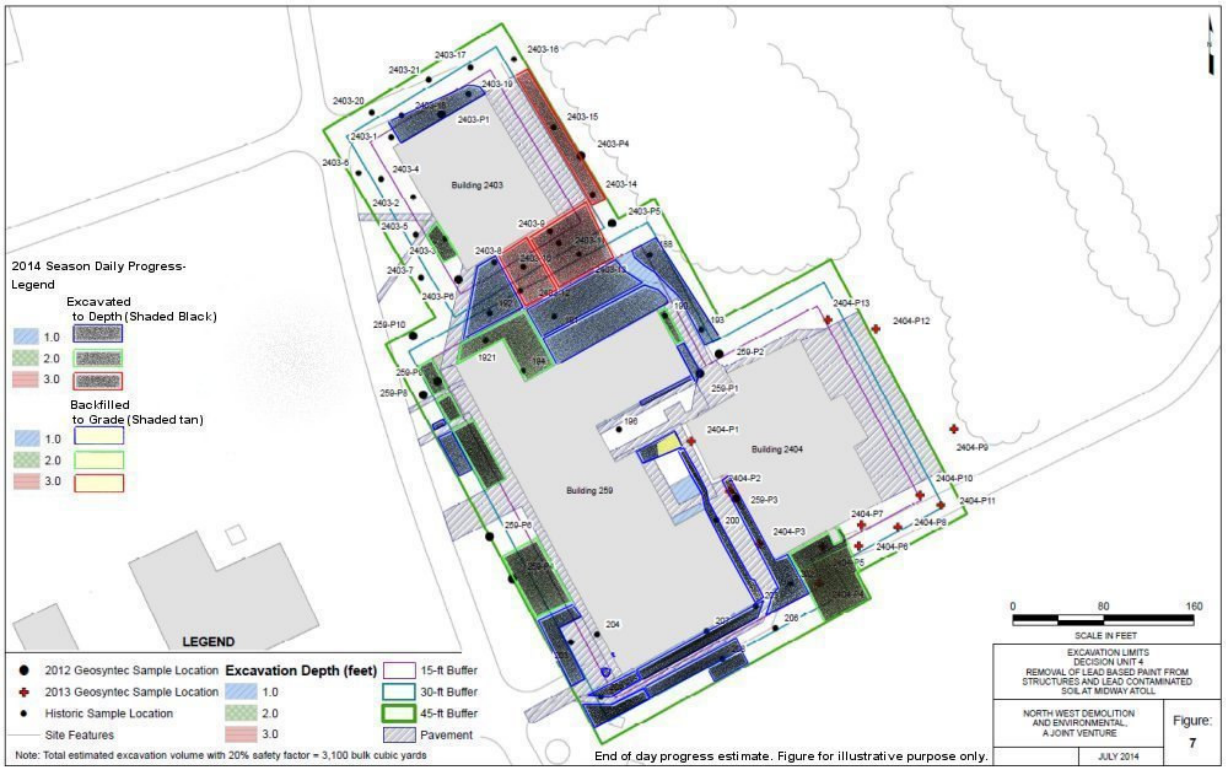
Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
9/30/14	1.75	20	0	0
Total to date	1.75	20	0	0

Notes: 1. Shade cloth rolls are 12' x ___'

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Wednesday, October 1, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, wind 12mph, Temperature ~89F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki
Flatbed truck	Tiger truck	DBSI rental – 1 day.

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	338 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will begin excavation backfill tasks for DU-4. Iniki's goal is finishing shade cloth on Bldg 4203 and working on Bldg 4204 Charlie area.

0730 – The NWDE flatbed truck is reloaded with a full tote of Maectite. The Mini excavator will move into Bldg 331 duplex housing area. Three small excavation areas are situated on the east, south and west sides of the building. A utility locate is pending this morning with DBSI to verify the areas where existing underground utilities exist, including water, electrical services, coax TV cable and fiber optic.
One Volvo 290 excavator is accessing the North beach borrow source area. One off road truck is getting set up to haul continuous round trips of clean coral sand from the North beach to DU-4. M.Amann, U.S. FWS will be present at the beach /work area as a biological monitor. Sea animals including but not limited to Monk seals, green turtles and spinner dolphins will be visually scanned for. Heavy equipment operation will cease if a conflict of space occurs such as a seal moving onto the beach between the two piers.
Iniki 2 man crew is continuing the Maectite application to exterior walls of buildings within the DU-9 area, specific to a list by the U.S. FWS.
For shade cloth tasks, a new roll and additional sandbags are moved out to be staged near the Charlie barracks to keep ground crews supplied. The Petrel patrol work continues as a primary focus prior to placing ground cover over next season's excavation areas.

0900 – Bldg 330 utility locate is complete. NWDE begins Maectite application work to the LBP impacted soil area south of the building. Applied direct from the tote using the air powered dual diaphragm pump, the Maectite is evenly distributed within the measured grid area. Mechanical mixing with the mini excavator and addition of fire service water allow a uniform distribution of the reagent throughout the LBP impacted sandy soil.

1000 – NWDE S.Wakefield is at DU-5, Transmitter Bldg 5309 for layout of shade cloth areas and additional sample points being collected this fall.
Bldg 4204 Charlie barracks shade cloth placement is secured with sandbags and work is wrapping up.
Iniki crew moves to the North cargo beach for stocking up sandbags. Filled bags are zip tied at the necks and stacked on wooden pallets for easy transfer using the pallet forks on the skid steer.

1200 – Lunch.

1300 – Backfilling DU-4 with clean sand maintains good progress. One A30 Volvo begins placing sand at the north and east open excavations for Bldg 2403. The track T750 Bobcat is managing the grade work for leveling out sand piles to original grade elevations prior to excavation work.
Sample collections for Transmitter Bldg 5309 begin.

1720 – DU-4 backfill progress has moved along to include areas south of Bldg 2403 & north of Bldg 259.
Bldg 330 excavation work has gone well, hauling the treated soil out to the R2, Cell 4 using one off road truck today.

1730 – End of day

Photographs:

Photo 01: View south, Bldg 4204 Charlie barracks shade cloth placement.

Photo 02: View northwest, Bldg 4203 Bravo barracks shade cloth placement.

Photo 03: View north from Fuel pier (L) Cargo pier (R). Clean coral sand borrow source area.

Photo 04: View west, Bldg 330 duplex housing. DU-7 LBP soil treatment.

Photo 05: View west, Bldg 3512 gym north area excavation overview.

Photo 06: View east, Bldg 2403 (L) Bldg 259 (R) clean import sand backfill progress.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
9/30/14	0	256.5	0	3806	36	352	5007
10/1/14	0	130	0	3936	11	178	5185
Total to Date	1582 soil	2258 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date	DU4 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	30
9/30/14	0	30
10/1/14	540	570

Date	DU7 Clean Backfill Totals[2]	
	Excavated and Placed Today in DU7 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0
9/30/14	0	0
10/1/14	0	0

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an estimated 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0
9/30/14	0	~.25 piers	0	0	0
10/1/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
Total to date		90

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
9/30/14	1.75	20	0	0
10/1/14	1.25	33	0	0
Total to date	3	53	0	0

Notes: 1. Shade cloth rolls are 12' x ___'

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

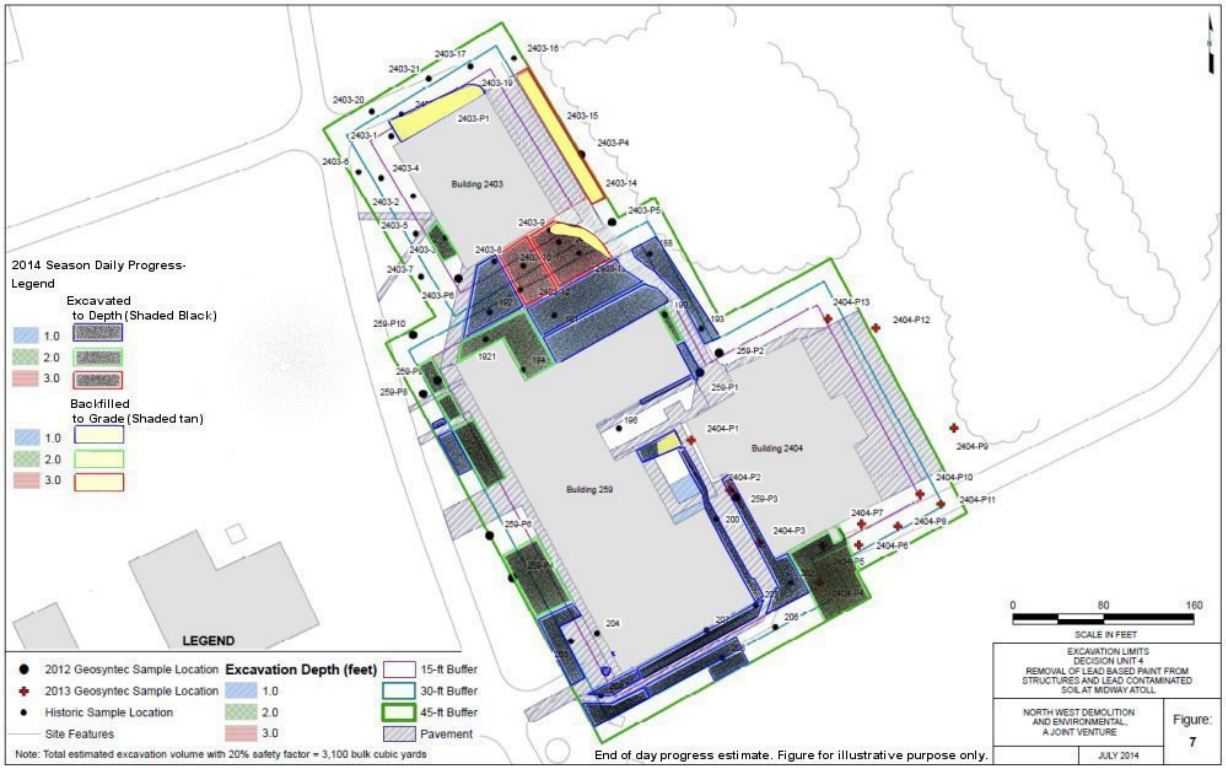
Table 6. Soil Sample Collection- Hand Auger

Seven P points / 21 samples collected today, 3 samples refused:

2014 Fall Season Summary-
Total P points to date: 7
Samples collected to date: 21
Depth refusals to date: 3

3509 P16 (0-6)	3509 P18 (12-18)	3509 P20 (24-30)
3509 P16 (12-18)	3509 P18 (24-30)	3509 P21 (0-6)
3509 P16 (24-30)	3509 P19 (0-6)	3509 P21 (12-18)
3509 P17 (0-6) refusal-asphalt	3509 P19 (12-18)	3509 P21 (24-30)
3509 P17 (12-18) refusal-asphalt	3509 P19 (24-30)	3509 P22 (0-6)
3509 P17 (24-30) refusal-asphalt	3509 P20 (0-6)	3509 P22 (12-18)
3509 P18 (0-6)	3509 P20 (12-18)	3509 P22 (24-30)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Thursday, October 2, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Overcast, wind 8mph, Temperature ~73F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki
Flatbed truck	Tiger truck	DBSI rental – 1 day.

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	110 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0725 – NWDE will continue hauling clean backfill into the DU-4 areas. Iniki crew will continue shade cloth placement for Decision Units and Maectite treatment of DU-9 buildings.

0730 – NWDE J.Stone, L.Lewis and J.Smith have equipment moved to the Chugach office Bldg 331. The small singular excavation limit area is being treated as required with Maectite and fire service water for proper mixing. The Cat 308 excavator carefully mixes the soil and liquids. Utilities at the east edge of the excavation include high voltage electrical and a main fiber optic run. The marked utilities are hand dug to verify location prior to beginning work. Treated soil is moved to the R2, Cell 4 using the Volvo truck.
Iniki continues with K.Kaawa and G.Arakaki mobilizing from site to site for the DU-9 pump houses and miscellaneous structures slated for demo. The rental Tiger truck aids in moving Maectite and application sprayer to treat the exterior walls and soil at each building. Liquids are delivered to the wall as a low pressure high volume rate.

0800 – NWDE D.Hard continues to load the off road truck at the Cargo / Fuel pier borrow source area. Loads of coral sand are hauled and dumped within the DU-4 excavation areas. M.Bays manages rough grade with the tracked skid steer as D.Christianson provides non stop loads of clean sand.

0900 – S.Wakefield, NWDE begins layout for DU-7 Multi Increment Sampling. The Decision Unit is divided into 5 plots, each of which is further divided into 32 grid areas. The MIS collection begins at plot #4, northeast of the gym, Bldg 3512. A primary and duplicate MIS sample is being gathered.

1100 – Conference call with Mainland and Hawaii project offices. The end of season R2 cover details are discussed. Specifically the focus to manage rain water pools within the R2 cells and limiting waterfowl access to the wet areas. A design detail is agreed upon with U.S. FWS to grade treated soils within the R2 to the south and southwest. The low area intended to collect rain water along the inside of the south concrete R2 wall will be protected with shade cloth as a bird barrier. The cloth will be secured adequately to sustain the winter weather and wind. A preliminary drawing is forthcoming from Geosyntec and additional comments will be a topic of next week's Monday conference call.

1200 – Lunch.

1300 – Iniki crew A.Toro and P.Kneubuhl are working at the R2 north wall for shade cloth placement. Initial Petrel patrol tasks are performed in the limited number of burrows. Oddly enough the area being covered today does not produce any birds. The petrels appear to have not moved in to this area yet. Seam areas are overlapped a minimum of 12" folded over and weighted using the black poly sandbags. The ample use of sandbags through out the cloth placement provides the necessary anchoring for the material.

1500 – DU7 plot # 5 MIS sample, duplicate and triplicate have been laid out and collected.
Continue Transmitter Bldg 5309 soil sampling tasks.

1730 – End of day

Photographs:

Photo 01: View north Fuel pier, loading clean coral sand for DU-4 backfill near staged sandbags.

Photo 02: View southeast, Bldg 259 backfill progress.

Photo 03: View southwest, DU-5 Transmitter Bldg 5309. Staging sandbags for shade cloth work.

Photo 04: View west, DU-5 Bldg 5303 R2 shade cloth placement.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
9/30/14	0	256.5	0	3806	36	352	5007
10/1/14	0	130	0	3936	11	178	5185
10/2/14	0	6	0	3942	1	8	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0	30
9/30/14	0	0	30
10/1/14	36	540	570
10/2/14	73	1095	1665
Total to date- 111 loads			

Date /Loads		DU7 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0	0
9/30/14	0	0	0
10/1/14	0	0	0
10/2/14	0	0	0
Total to date- 0 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0
9/30/14	0	~.25 piers	0	0	0
10/1/14	0	0	0	0	0
10/2/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 4361, 4260,5126	50
Total to date		140

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
9/30/14	1.75	20	0	0
10/1/14	1.25	33	0	0
10/2/14	0	0	1	0
Total to date	3	53	1	0

Notes: 1. Shade cloth rolls are 12' x ___'

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

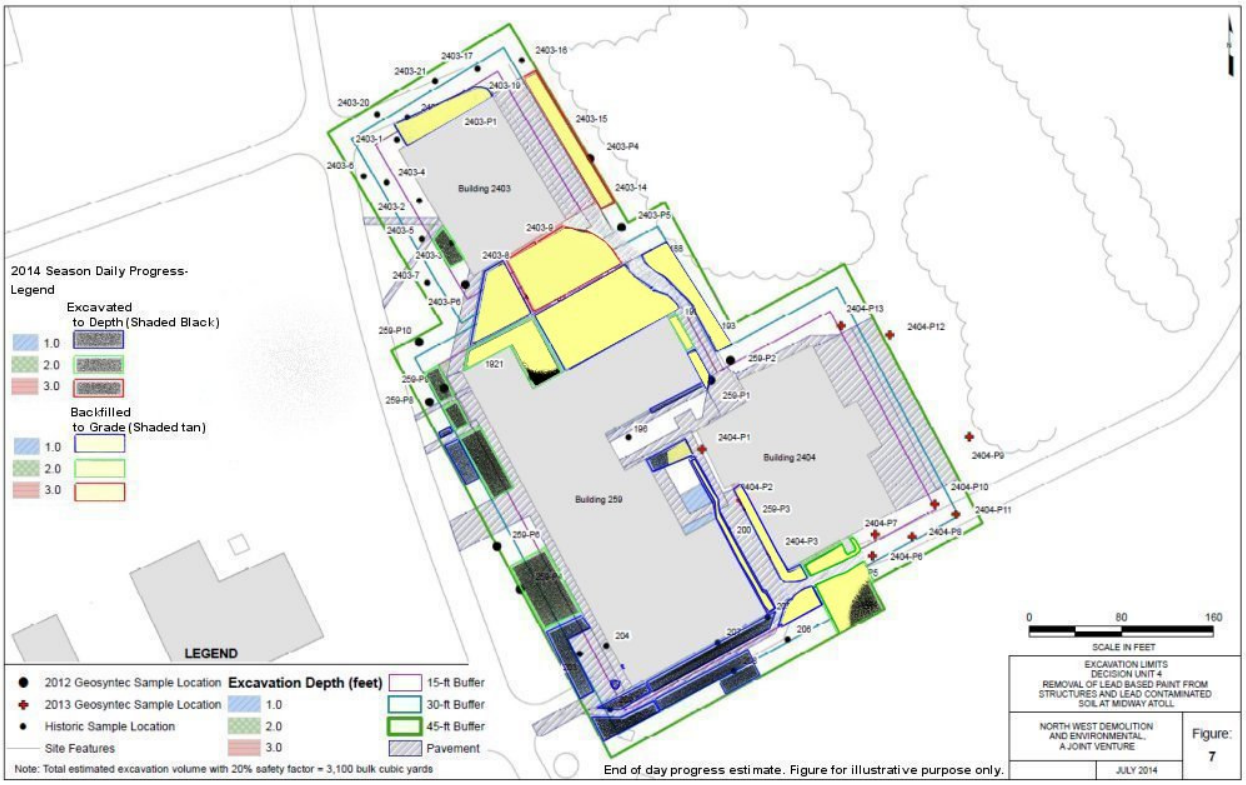
Two P points / 9 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 9
Samples collected to date: 30
Depth refusals to date: 3

5309 P23 (0-6)	5309 P24 (0-6)	
5309 P23 (12-18)	5309 P24 (12-18)	
5309 P23 (24-30)	5309 P24 (24-30)	
5309 P23 (0-6) DUP		
5309 P23 (12-18) DUP		
5309 P23 (24-30)DUP		

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, October 3, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Overcast, wind 8mph, Temperature ~80F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	10
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	10
Garrick Arakaki	Iniki Laborer	10
Phillip Kneubuhl	Iniki Laborer	10
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki
Flatbed truck	Tiger truck	DBSI rental – 1 day.

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE is continuing to haul clean backfill around Bldg 259 and Bldg 2404. The off road trucks are able to access the alley using lighter half volume loads to reduce potential impact to the roadway. The south sides of All Hands Club Bldg 2404 and Bldg 259 are rough graded using the Mini excavator.
Iniki workers will continue shade cloth placement for DU-5 at the R2 area. A portion of the crew remains on task of wrapping up the Maectite treatment of DU-9 buildings.

0750 – Loading clean sand at the designated Cargo pier beach, NWDE maintains a constant spotter for monitoring sea life within the work zone between the two piers.
Sampling at the Transmitter Bldg 5309 is under way, soon to wrap up task work prior to the shade cloth crew arriving.

1000 – Iniki workers are placing shade cloth at the east excavation area of the R2 Bldg 5303. The material is fitted around the taxiway drainage sump and existing power substation, and then weighted down using the black poly sand bags as required.

1200 – Lunch.

1300 – Iniki moves to the Transmitter Bldg 5309 to begin checking burrows for birds prior to setting cloth on top of future excavation areas. Two petrels and five shearwater birds are found. In agreement with the U.S. FWS, the young shearwater birds will remain in their existing burrow. Shade cloth will be placed just short of the bird dens or left accessible near overlapping seams. Anticipating the shearwater chicks will be developed and fledge later this fall, the U.S. FWS will monitor the dens and re-secure the shade cloth at the small openings once the birds have departed.

1400 – Multi Increment Sample for DU-7 plot # 1 is collected, including a duplicate sample for the bottom of the excavation areas. Completion of this sampling will allow NWDE to backfill the small excavation areas near Bldg 330 duplex and Bldg 331 Chugach office.

1600 – Iniki is wrapping up the DU-9 Maectite work for applying Maectite to small structures slated for demolition. The DBSI rental Tiger Truck is cleaned out and returned to the transportation facility.
NWDE has maintained steady progress on importing clean coral sand to the DU-4 area. Nearing completion of the bulk cubic yardage required to bring excavations up to grade, the trucks haul a few loads of sand into DU-7, north east of the gym, Bldg 3512 to finish out the day.

1730 – End of day

Photographs:

Photo 01: View east Cargo pier, loading clean coral sand for DU-4 backfill.

Photo 02: View east, Bldg 259 (L) Bldg 2404 (R) courtyard capping fill.

Photo 03: View north, Bldg 259 (R) rough grading.

Photo 04: View northeast, Bldg 259 backfill progress of prior DU-4 excavated areas.

Photo 05: View east from south west corner of R2, Cell 4.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
9/30/14	0	256.5	0	3806	36	352	5007
10/1/14	0	130	0	3936	11	178	5185
10/2/14	0	6	0	3942	1	8	5193
10/3/14	0	0	0	3942	0	0	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0	30
9/30/14	0	0	30
10/1/14	36	540	570
10/2/14	73	1095	1665
10/3/14	53	795	2460
Total to date- 164 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
9/29/14	0	0	0
9/30/14	0	0	0
10/1/14	0	0	0
10/2/14	0	0	0
10/3/14	6	90	90
Total to date- 6 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0
9/30/14	0	~.25 piers	0	0	0
10/1/14	0	0	0	0	0
10/2/14	0	0	0	0	0
10/3/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 4361, 4260,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
Total to date		155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
9/30/14	1.75	20	0	0
10/1/14	1.25	33	0	0
10/2/14	0	0	1	0
10/3/14	0	0	2.5	7
Total to date	3	53	3.5	7

Notes: 1. Shade cloth rolls are 12' x ___'

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

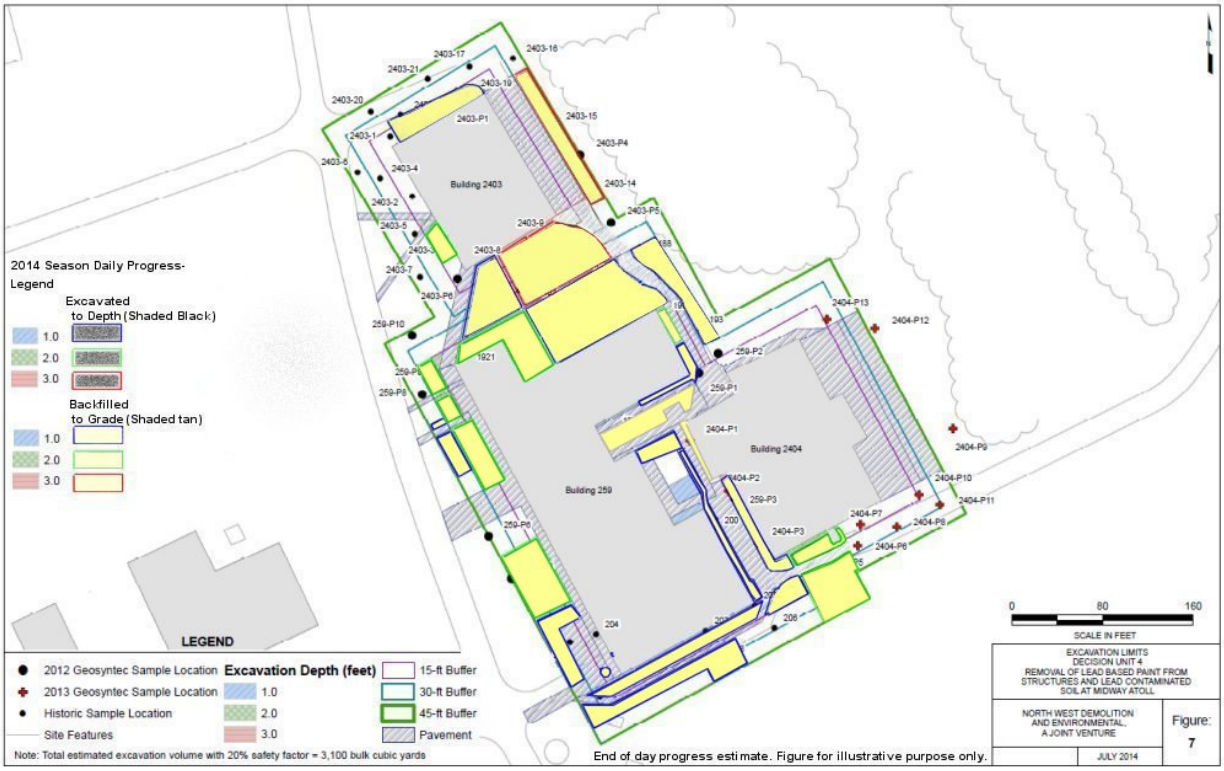
Two P points / 6 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 11
Samples collected to date: 36
Depth refusals to date: 3

5309 P25 (0-6)	5309 P26 (0-6)	
5309 P25 (12-18)	5309 P26 (12-18)	
5309 P25 (24-30)	5309 P26 (24-30)	

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, October 4, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Overcast, wind 17-22mph, Temperature ~77F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	4
Noah Wond	Iniki Laborer	10
Evan Esposito	Iniki Laborer	4
Garrick Arakaki	Iniki Laborer	4
Phillip Kneubuhl	Iniki Laborer	4
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	359 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE D. Christianson and L.Lewis prepare to keep two off road trucks hauling clean sand from the north cargo pier site into DU-7. D.Hard is at the beach, loading trucks continually with the Volvo 290 excavator with a 1.5 yard bucket. A biological monitor M.Amann, U.S. FWS is present to keep watch for sea animals encroaching within the area. One turtle is seen swimming but does not come ashore.
The excavations at Bldg 330 duplex and 330 Chugach are being filled and leveled to existing grade elevation. J.Stone and J.Smith handle the grading of the smaller backfill areas with the Cat 308.
At the north east corner of the gym, Bldg 3512 site is being brought back up to the original elevation. As full loads of sand are placed near the gym, M.Bays in the T750 tracked Bobcat systematically pushes out the materials to keep extending the fill throughout the area.
The Iniki crew K.Kaawa, E.Esposito, G.Arakaki, P.Kneubuhl, N.Wond and A.Toro are on task to place shade cloth at the Transmitter Bldg 5309. The work site is inspected for occupied bird burrows prior to placing ground covering. Working at the west end of the building, large areas are covered using the long running direction north/south for the 20' wide rolls. Overlapping seams are 12" minimum, folded over multiple times and weighted down with black poly sand bags. Crews move in additional pallets of sandbags as needed for securing the shade cloth seams and edges.

0830 – NWDE S.Wakefield begins layout for DU-7 MIS (2) 0-2" sampling east of Bldg 3504 barracks. The larger 3' deep excavations have static water level of approximately 14" deep. A Multi Increment Sample is collected at 0-2" and a duplicate is also collected as required. Field drawings and notations are made and the samples are prepared for removing the excess water from the sand prior to submitting to the lab for analysis.

1200 – Lunch.

1300 – Iniki has wrapped up the major work tasks in placing shade cloth at the Transmitter Bldg 5309. Two additional active shearwater dens were protected in place and retain access for birds.

1400 – NWDE focus is on placing fill at the south side of the gymnasium. The Mini excavator is in use to position sand in the narrow trench between the concrete sidewalk and the building foundation. Two fully loaded trucks continue to make the short trip from the Cargo pier to DU-7 and gradually fill in the excavated areas.

1430 – Layout paint marks for shade cloth planning at Bldg 4208 duplex housing. This property has some larger trees that will need noted for removal prior to next seasons excavation work, specifically in the southern buffer zone area. Petrel burrows are abundant around this housing area.

1715 – Begin wrapping up for the day.

1730 – End of day.

Photographs:

Photo 01: View southeast, Cargo pier borrow source progress.

Photo 02: View west, Bldg 3512 Gym. Backfill and grading the northeast corner.

Photo 03: View north, Bldg 3504 (L) Multi Increment Sample grid (partial sqft area shown)

Photo 04: View east, Bldg 3512 (R), Bldg 259 (background) clean coral sand grade.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal)			Maectite Totals: Total to Date	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today**		Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
9/29/14	0	380.5	0	3549	22	522	4655
9/30/14	0	256.5	0	3806	36	352	5007
10/1/14	0	130	0	3936	11	178	5185
10/2/14	0	6	0	3942	1	8	5193
10/3/14	0	0	0	3942	0	0	5193
10/4/14	0	0	0	3942	0	0	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	DU4 Clean Backfill Totals[2]: Total to Date in DU4 (cyd)
9/29/14	0	0	30
9/30/14	0	0	30
10/1/14	36	540	570
10/2/14	73	1095	1665
10/3/14	53	795	2460
10/4/14	3	45	2505
Total to date- 167 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	DU7 Clean Backfill Totals[2]: Total to Date in DU4 (cyd)
9/29/14	0	0	0
9/30/14	0	0	0
10/1/14	0	0	0
10/2/14	0	0	0
10/3/14	6	90	90
10/4/14	77	1155	1245
Total to date- 83 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
9/29/14	0	~.5 sidewalk	0	0	0
9/30/14	0	~.25 piers	0	0	0
10/1/14	0	0	0	0	0
10/2/14	0	0	0	0	0
10/3/14	0	0	0	0	0
10/4/14	0	0	~.25 misc pipe	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 4361, 4260,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
9/30/14	1.75	20	0	0
10/1/14	1.25	33	0	0
10/2/14	0	0	1	0
10/3/14	0	0	2.5	7
10/4/14	0	0	2.5	6
Total to date	3	53	6	13

Notes: 1. Shade cloth rolls are 12' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

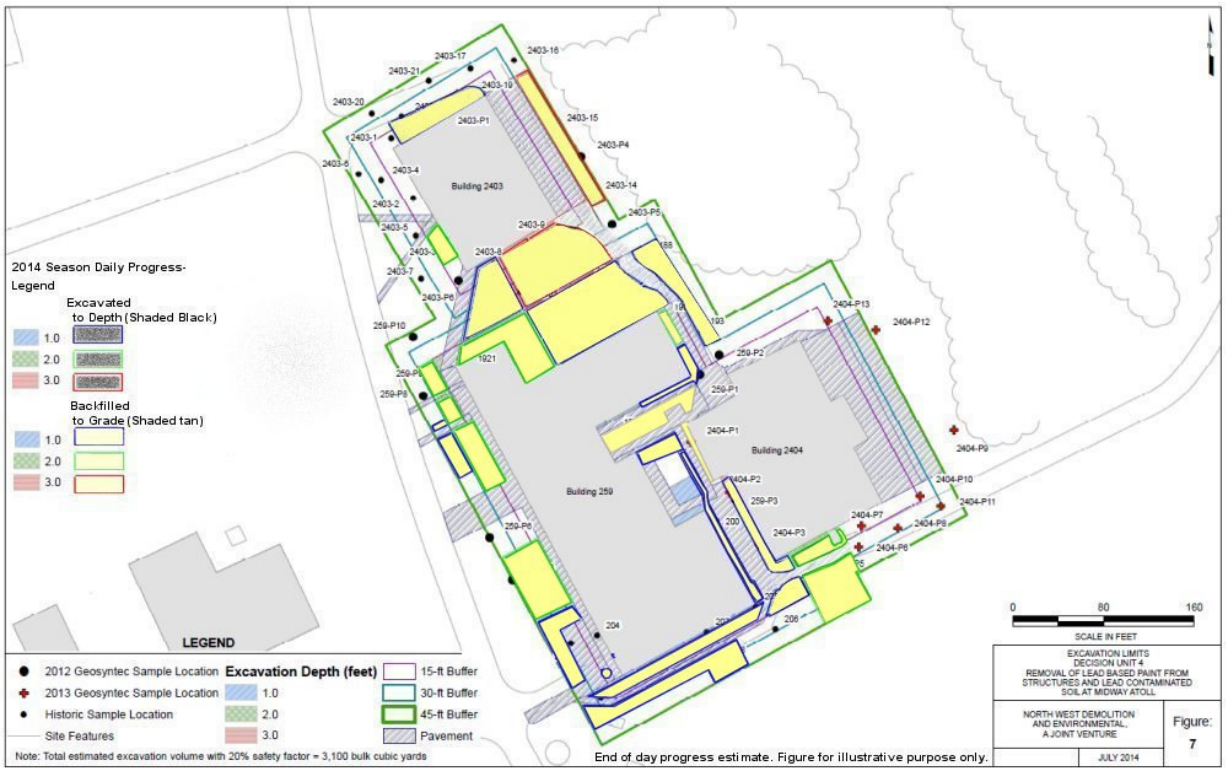
Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 11
Samples collected to date: 36
Depth refusals to date: 3

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, October 6, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, wind 10mph, Temperature ~84F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	10
Kailialoha Kaawa	Iniki Laborer	0
Noah Wond	Iniki Laborer	0
Evan Esposito	Iniki Laborer	0
Garrick Arakaki	Iniki Laborer	0
Phillip Kneubuhl	Iniki Laborer	0
Alladin Toro	Iniki Laborer	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Brett Wolf	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE
JLG Manlift	JLG 450AJ	Iniki
Bobcat Skid Steer	ID 175 / 463	Iniki

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	8 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE begins hauling clean sand from the north borrow source to place on the south side of the gym, Bldg 3512. The excavator is loading two Volvo A30 trucks and the morning begins. A monitor for sea animals is stationed at the Cargo pier for observation and spotting of potential turtles and seals. Iniki G.Lewis and A.Toro are on punch list clean up tasks to wrap up the 2014 season. Equipment is serviced and prepared for long term storage. Trash associated with LBP abatement and painting activities is searched for through out DU-4, DU-7 and the NAF Hanger as a last walk through. Iniki Demolition crew will be departing Midway tomorrow on the scheduled charter flight.

0830 – U.S. FWS M.Amann and NWDE E.White receive the news that the Oscar Elton Sette NOA ship is inbound this morning to dock at the cargo pier. They have an unexpected mechanical failure for the onboard potable water supply. DBSI will be hauling water in tanks to the ship. A safety concern will be present in that the NWDE haul route will conflict with ships' crew traffic and DBSI vehicles. It is decided to cease hauling for today and tomorrow until the ship has departed.
NWDE moves operations to the R2 for working on tasks to provide the interim cover for the end of the season.

0945 – NWDE J.Stone is using the Cat 308 to create a trench in the R2, Cell 3 per the approved plan for the end of the season cover. The trench is spaced away from the concrete R2 wall approximately 24" and is ~60" wide x 30" deep. Trenching occurs on the north side of the south wall. The intent is to relieve an area for rain water to drain to, and a shade cloth barrier will be positioned above this trench. Secured using the concrete R2 wall at the highest point and treated soil grade at the bottom edge of the cloth, the barrier will be positioned at an angle. The goal is to prevent birds from contacting the pools of rainwater seen in past years. A primary intent is constructing a barrier that will bar the Laysan ducks from contacting bodies of water that have a potential botulism growth.
Spoils of the treated soil from the trench are moved by M.Bays with the tracked skid steer to fill in the entry area of Cell 4, as cubic yardage is still needed in that location.

1000 – Weekly conference call with Mainland and Hawaii project offices. See NWDE Midway Meeting Agenda for specific detail.

1100 – NWDE D.Hard, J.Smith and L.Lewis are preparing to use abrasive wheel chop saws to cut and remove the protruding 12" steel pipes that served the former Navy water treatment pumps on the east R2 wall. The dead ends of the pipes have been protruding into the north east corner of Cell 3 since before the R2 was retrofitted as a repository. The scrap steel will be removed and placed at the bone yard as mild steel scrap.

1200 – Lunch

1300 – NWDE maintains progress on trenching for the interim cover on the southern wall of Cell 4. Crews are also pulling shade cloth out across the surface of this seasons treated soil and beginning to anchor it in place using black poly sand bags.

1345 – U.S. FWS M.Amann and S.Wakefield NWDE walk the exterior wall areas for Bldg 3502, 3503, 3504, 3524 & 310 for visual paint chip inspection. Areas are noted that have chips and will be skimmed off and treated with Maectite reagent.

1500 – S.Wakefield has positioned the MIS grid layout for DU-7 MIS (3) and begins a 0-2" sample collecting, including one duplicate for the 32 point grid. This completes field collection of Multi Increment Sampling for confirmation data within DU-4 and DU-7.

1645 – NWDE has progressed on the R2, Cell 3 & 4 tasks. The trenching is near completion and shade cloth has a large percentage of Cell 3 covered. The cloth tends to be heavy as it is loaded with grass and sand from last year's placement in the R2. The bundles have been spread out flat and square. Sand bags continue to be placed for anchoring the black materials in place.

1730 – End of day.

Photographs:

Photo 01: View east, R2 sump pipe (L). Piping cut and removed (R),

Photo 02: View west along north side of R2, Cell 3 southern wall towards R1 tanks.

Photo 03: View north, R2 Cell 3 shade cloth interim cover progress.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10-6-14	0	0	2505
Total to date- 167 loads			

Date /Loads		DU7 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
Total to date- 91 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10-6-14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
Total to date	3	53	6	13

Notes: 1. Shade cloth rolls are 12' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

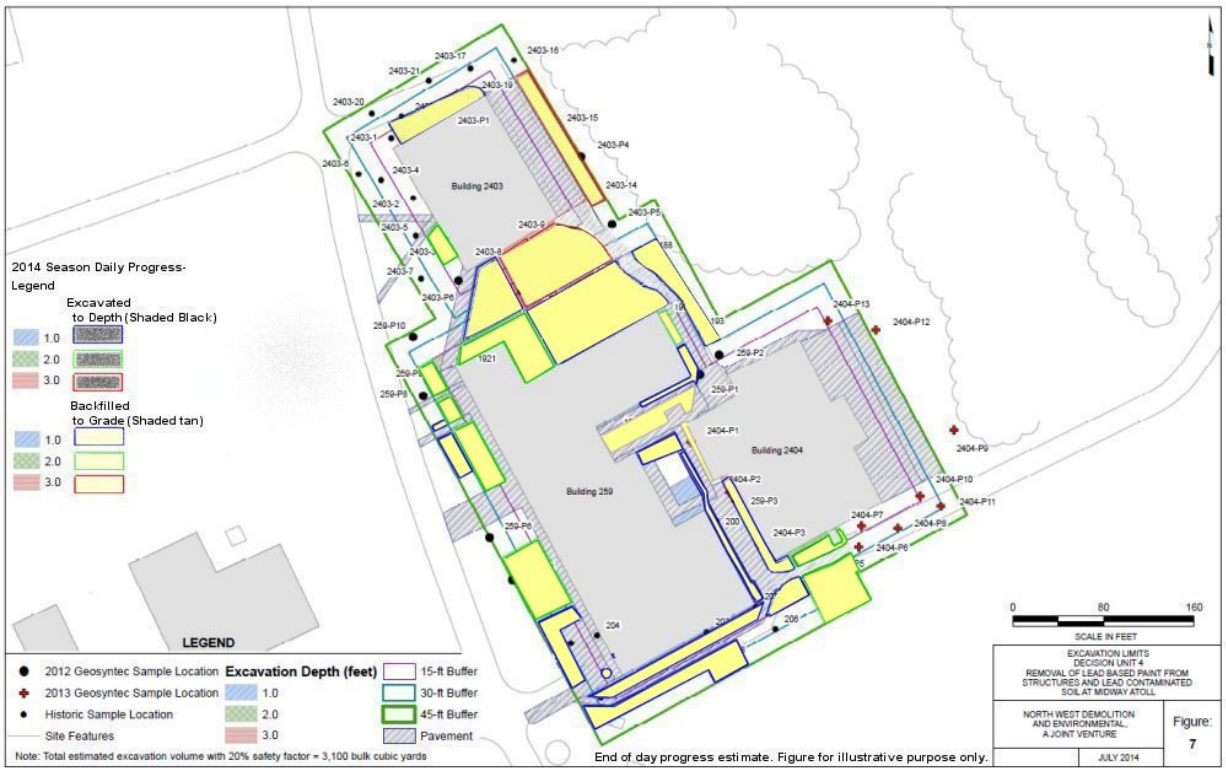
Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 11
Samples collected to date: 36
Depth refusals to date: 3

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, October 7, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Overcast, wind 9mph, Temperature ~77F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10
Gary Lewis	Iniki Supervisor	-
Kailialoha Kaawa	Iniki Laborer	-
Noah Wond	Iniki Laborer	-
Evan Esposito	Iniki Laborer	-
Garrick Arakaki	Iniki Laborer	-
Phillip Kneubuhl	Iniki Laborer	-
Alladin Toro	Iniki Laborer	-

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Bret Wolfe	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE will be continuing the interim cover for treated soil within the R2, Cell 3 & 4. The NOAA ship docked at the Cargo pier is scheduled to leave this afternoon. Due to the ship's location and haul route limitations backfill tasks will not occur today.
The seven person Iniki crew has completed their 2014 season work. They are preparing to fly out this morning on the scheduled charter flight back to Honolulu, Hawaii.

900 – The new shade cloth that will anchor over the R2 CMU block wall is being unrolled and positioned in Cell 3. D.Hard, J.Stone, J.Smith, L.Lewis and M.Bays work together, getting the 20' wide shade cloth oriented along and over the wall. The lower edge placed at treated soil grade is anchored using poly sand bags and 12" galvanized coated steel spikes. At the top of the R2 wall, recycled carpet is cut into strips and positioned to lap over the horizontal edge and slightly down the vertical plane. This material will reduce chaffing of the shade cloth against the concrete at the block walls' 90º edge.

1015 – The Phoenix Air charter jet has landed and loads up Iniki passengers to depart Midway.

1100 – S.Wakefield marks out areas that will be addressed for paint chip clean up. These materials were initially in place on the ground prior to this season's abatement and painting activities. Bldg 3502 Dining Hall, 3503 barracks, 3504 barracks, 3524 boiler, 3529 laundry, 310 substation paint chips are indicated on the ground for NWDE to skim off as scheduling allows. At that time materials will be treated with Maectite and deposited into the R2, Cell 4.

1200 – Lunch

1300 – U.S. FWS M.Amann and B.Wolfe inspect progress and methods of construction for the R2 interim cover. The work this far is in line with the agreed upon design to limit rain water surface pooling and provide secure anchoring for the shade cloth material.

1400 – D.Christianson has been on task for preventative maintenance on one of two Volvo 290 excavators.
S.Wakefield provides layout marks for shade cloth placement in DU-3. This includes Bldg 415, 416, 417 & 418. Material installation will occur later as scheduling allows.

1630 – NWDE continues anchoring the tented shade cloth at the R2 southern wall areas. Abundant use of rope and sandbags anchor the wrapped pvc pipe edge of the shade cloth. Rope also is secured to the R2 were solid points are available, such as the wall's steel ladder rungs.

1730 – End of day.

Photographs:

Photo 01: View east, R2 Cell 3 cloth over trench.

Photo 02: Shade cloth hemmed edge anchor using recycled 1.5" dia PVC pipe, rope and sandbags.

Photo 03: View west, R2 Cell 4 trench covering progress.

Photo 04: View east, R2 Cell 3 & 4 progress overview.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
10/7/14	0	0	0	3942	0	0	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	0	0	2505
10/7/14	0	0	2505
Total to date- 167 loads			

Date /Loads		DU7 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
10/7/14	0	0	1365
Total to date- 91 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/6/14	0	0	0	0	0
10/7/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
10/7/14	0	0	0	2
Total to date	3	53	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

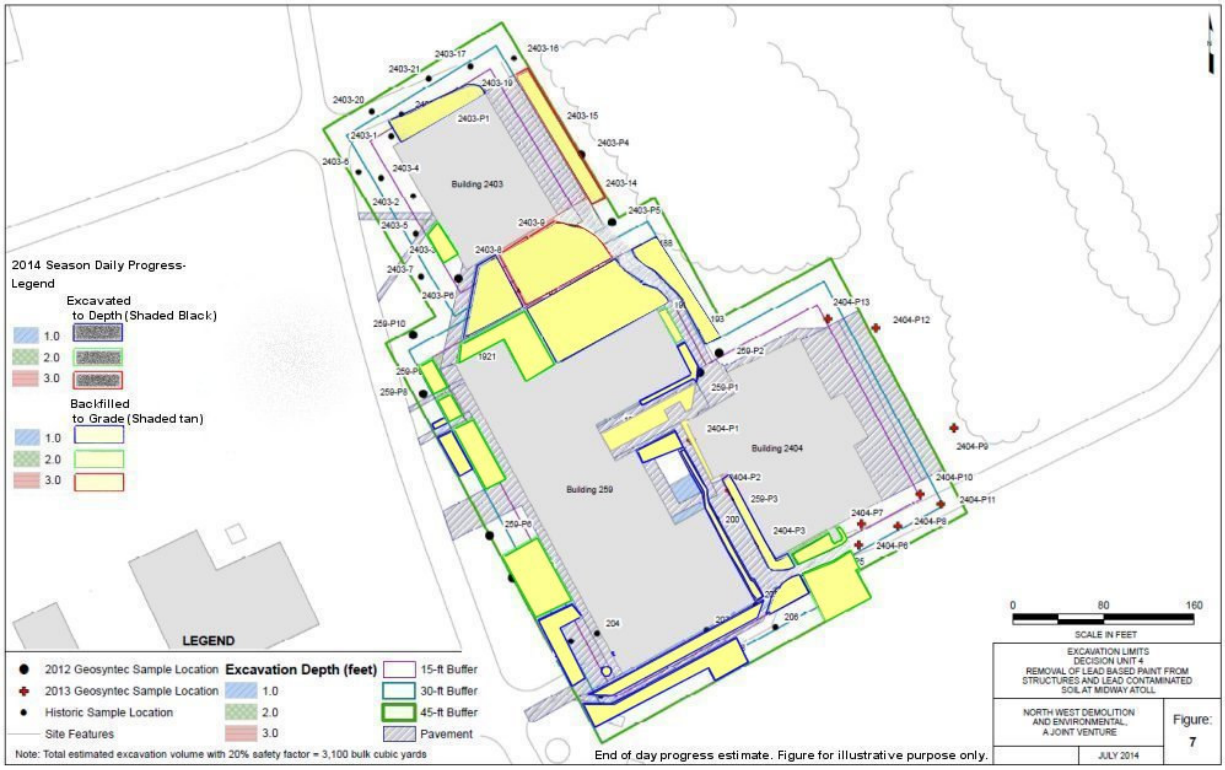
Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 11
Samples collected to date: 36
Depth refusals to date: 3

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Wednesday, October 8, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Mostly cloudy, mist, wind 9mph, Temperature ~79F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Bret Wolfe	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will resume hauling clean sand to the DU-7 excavation. The NOAA ship departed yesterday afternoon as scheduled.
Part of the Northwest Demo crew checks out the R2 cover and wraps up a short task list, placing a few additional sandbags for securing cloth prior to moving to backfill activities.

0820 – The Volvo off road trucks begin making their way to the Cargo pier clean sand location. Hauling begins for placing beach sand east of Bldg 3504 barracks excavations. These areas currently have the shallow standing ground water. Work initially begins on the southern region of the building working towards the north. At the beach, one individual is singularly tasked with monitoring for sea life encroaching to the borrow source work area.

0930 – The specific tasks of protecting Midway's 6" water main that is oriented through the excavation area continues. As agreed upon with U.S. FWS, shade cloth is positioned to cover the non excavated untreated soil berm. This includes the horizontal grade and the sloping vertical sides. Prior to placing clean sand, a 3" wide blue foil utility warning tape is positioned above the water pipe line. This tape is of the same model/manufacture that DBSI has used on the original pipe installation. In the shade cloth protected area the HDPE pipe effectively has two parallel runs of blue warning tape above the pipe; one at 6" and the second (cloth/foil) at ~10" above the pipe.

0945 – Continue additional layout markings for future shade cloth placement in DU-9, specifically the renovated Officers housing. Work on Bldg 419 & 421 per the proposed excavation limit drawing Fig 2, 11-Aug-2014. Residents have made progress in managing most potted plants, yard items, etc and expect the shade cloth impact to their neighborhood.

1200 – Lunch.

1300– NWDE crew of seven workers continues to haul clean sand to the large 3' deep excavation at Bldg 3504. The southern area of the barracks has reached grade. The work is now occurring on the northern end, working south towards the covered walkway. As clean sand is pushed out near rough grade, the water in the excavations is being condensed. A large percent of the water is uniformly distributed into the imported clean sand and backfilling continues.

1400 – Officer housing layout continues, including Bldgs 421, 422, 423 & 424. Areas north of buildings that contain the local gravel roadway are excluded from having shade cloth placed where vehicle traffic will routinely travel. However, parking areas near housing will be covered as required.

1650 – Backfill work at DU-7 is progressing at a good rate. The shade cloth orientation over the water line is managed using the mini excavator carefully placing buckets of sand to secure the cloth. The 3" blue foil warning tape also is positioned and weighted down prior to the bulk of the sand being dumped and graded.

1730 – End of day.

Photographs:

Photo 01: View east, Cargo pier clean coral sand progress.

Photo 02: View northwest, Bldg 3504 (L) shade cloth cover for unexcavated 6" water main berm.

Photo 03: View southeast, Bldg 3504 shade cloth cover for unexcavated 6" water main berm.

Photo 04: View northwest, Bldg 3504 barracks southeast excavation filled and graded.

Photo 05: View northwest, Bldg 3504 barracks water line shade cloth and blue foil Caution tape.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
10/7/14	0	0	0	3942	0	0	5193
10/8/14	0	0	0	3942	0	0	5193
Total to Date	1582 soil	2264 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

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10/6/14	0	0	2505
10/7/14	0	0	2505
10/8/14	0	0	2505
Total to date- 167 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
10/7/14	0	0	1365
10/8/14	73	1095	2460
Total to date- 164 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/6/14	0	0	0	0	0
10/7/14	0	0	0	0	0
10/8/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
10/7/14	0	0	0	2
10/8/14	0	0	0	0
Total to date	3	53	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
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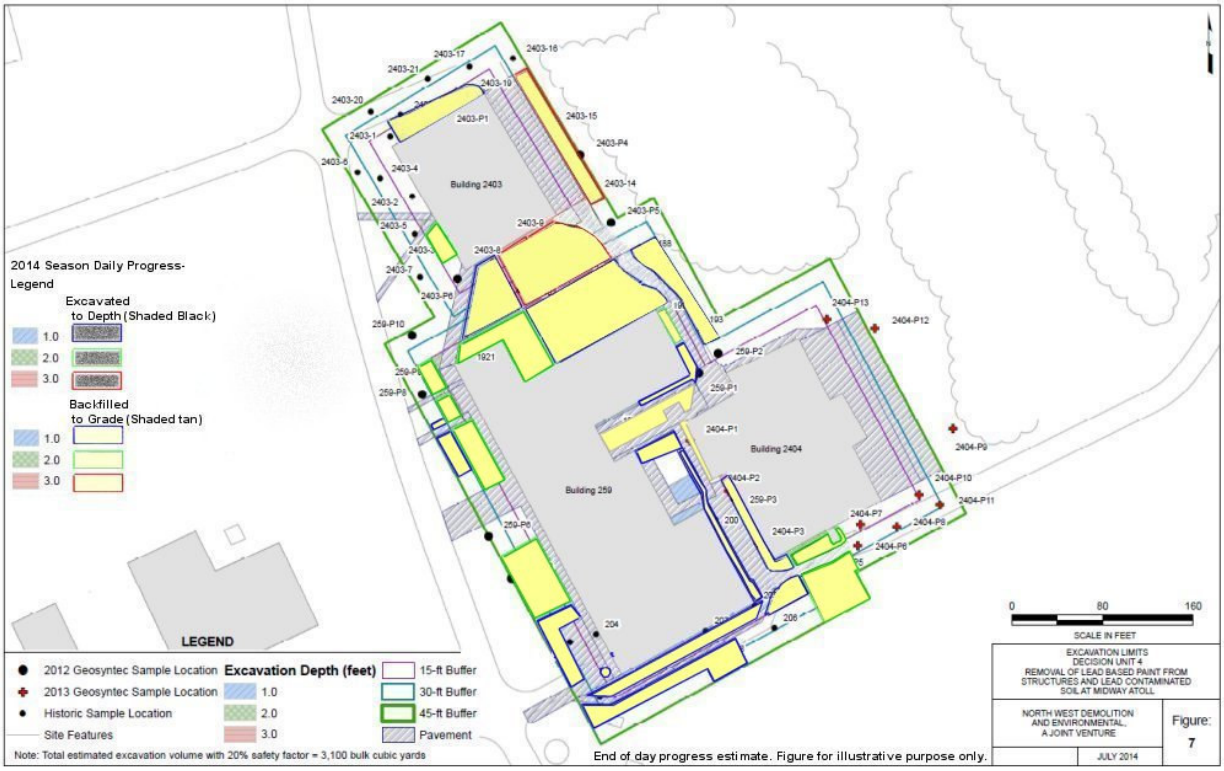
Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Thursday, October 9, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, wind 8mph, Temperature ~82F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	201 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0730 – NWDE is continuing to import clean sand to Bldg 3504 barracks and Bldg 3512 gym excavation areas. L.Lewis and Dale Christianson operate the two off road dump trucks from the clean beach source of sand to DU-7 excavation plots. D.Hard is at the beach, loading the trucks to capacity with the Volvo 290 excavator. A biological monitor is present at the Cargo pier to observe for sea animals during work activities. Equipment operation will cease if a conflict of wildlife or sea animals is present.

0930 – M.Bays works to achieve final grade on the excavations east of Bldg 3504 barracks. The T750 tracked Bobcat manages the task of producing a relatively flat and level grade slightly higher than the original native elevation.

1045 – S.Wakefield begins sampling for a select number of fire hydrants that are on island and in use.

1200 – Lunch.

1330 – Backfill and grading work is wrapping up at 3503 barracks. At DU-4, an additional load of import sand is hauled in to improve the low grade at the west side of Bldg 259.

1445 – One small excavation area relative to Bldg 3529-P4 is being treated with Maectite and mixed. J.Smith applies the reagent at the required .75 gallons per cubic yard of soil. During the process of loading the soil into the off road truck, a 1.5" pvc electrical conduit is encountered. This conduit run is for a coaxial TV signal to the former Empire Café. Recent utility locate marks referenced the conduit to be 6' west of the excavation area. This discrepancy of the locate mark relative to the conduit created the problem. Additionally the foil warning tape was directly on top of the pvc conduit. DBSI manager E.Moore is notified and the facility crew inspects the damage. DBSI will make repairs as needed.

1600 – NWDE is cleaning up the grade at Bldg 259 courtyard. Corners are being filled in, sidewalks cleared and areas swept up to finalize the backfill.
Clean up work still remains, but at DU-4 and DU-7 the bulk of the excavations per Fig 2 and Fig 7 excavation maps have been capped with coral sand.
J.Stone, L.Lewis and J.Smith begin working around Bldg 3504 barracks to clean up paint chip areas. The four exterior building wall areas are scraped back from the foundation perpendicular to the wall as needed to collect the targeted soil. Soils will be treated with Maectite and deposited into the R2, Cell 4.

1730 – End of day.

Photographs:

Photo 01: View northwest, Bldg 3504 final grade.

Photo 02: View southeast, Bldg 3502 (L), Bldg 3504 (R) final grade.

Photo 03: View northeast, Bldg 3503 barracks backfill progress.

Photo 04: View southwest, loading clean coral sand at Cargo pier beach.

Photo 05: View northeast, ~80% of Cargo Pier borrow source tracked across for backfill tasks.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
10/7/14	0	0	0	3942	0	0	5193
10/8/14	0	0	0	3942	0	0	5193
10/9/14	0	9	0	3951	1	11	5204
Total to Date	1582 soil	2273 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	0	0	2505
10/7/14	0	0	2505
10/8/14	0	0	2505
10/9/14	1	15	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
10/7/14	0	0	1365
10/8/14	73	1095	2460
10/9/14	34	510	2970
Total to date- 198 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/6/14	0	0	0	0	0
10/7/14	0	0	0	0	0
10/8/14	0	0	0	0	0
10/9/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
10/7/14	0	0	0	2
10/8/14	0	0	0	0
10/9/14	0	0	0	0
Total to date	3	53	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

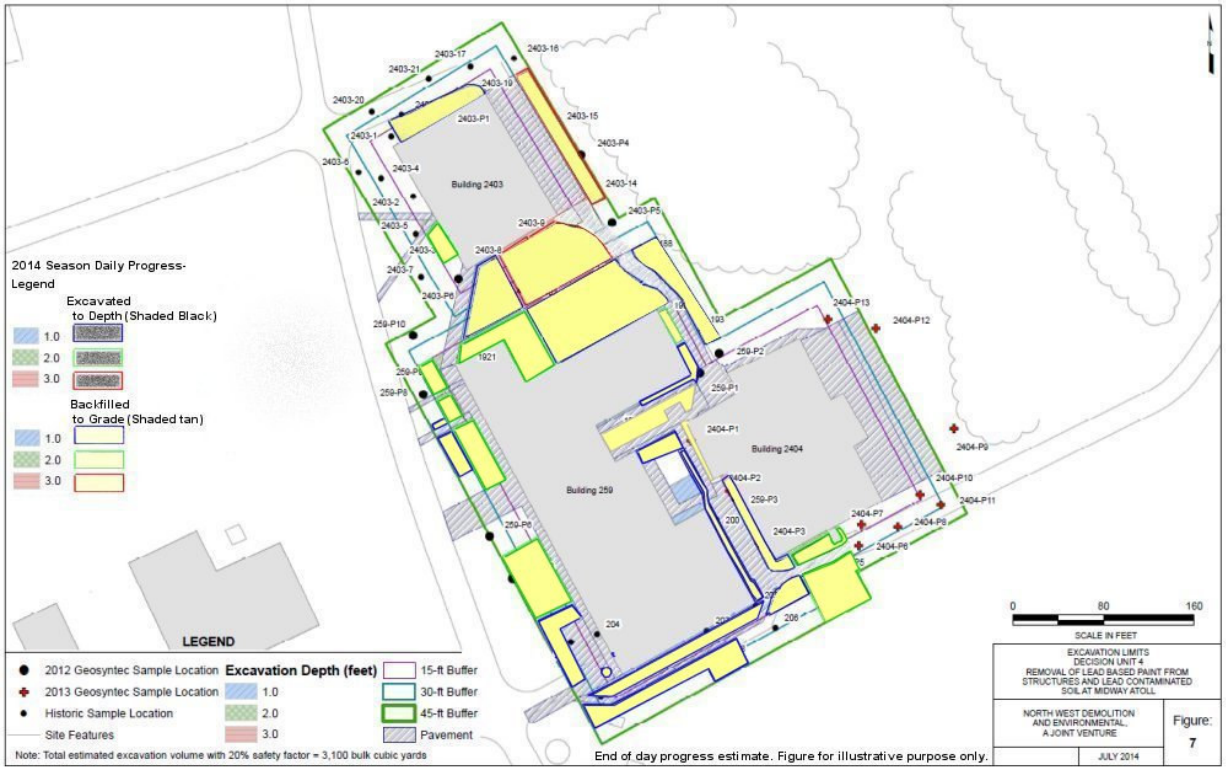
Three P points / 9 samples collected today, 0 samples refused:

2014 Fall Season Summary[1]-
Total P points to date: 14
Samples collected to date: 45
Depth refusals to date: 3

FH 48-P1 0-6"	FH 48-P2 0-6"	FH 48-P3 0-6"
FH 48-P1 12-18"	FH 48-P2 12-18"	FH 48-P3 12-18"
FH 48-P1 24-30"	FH 48-P2 24-30"	FH 48-P3 24-30"

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6" depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, October 10, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, wind 9mph, Temperature ~81F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0745 – NWDE J.Stone and J.Smith continue cleaning up of the area surrounding Bldg 3503 barracks. Paint chip soil has been scraped to a target depth of approximately 2". The soils are treated with Maectite at a required .75 gallons per cubic yard, amended with water and mixed. Treated soils will be hauled to the R2, Cell 4.

0820 – D.Hard, M.Bays and L.Lewis are mobilizing equipment and materials to begin shade cloth placement in DU-3 Officers housing. Starting at Bldg 424 Aree house, the crew works southeast from building to building. First task for each house is Petrel Patrol, checking burrows and digging the birds out of active dens prior to rolling out fabric. Cloth is placed per the proposed excavation limits for DU-3, Fig 2. Previously painted layout marks aid in quick placement of the cloth. The black fabric is sandbagged adequately to secure the materials.

0900 – E.White and D.Christianson are wrapping up punch list items for shade cloth placed in DU-5 Transmitter Bldg 5309 and DU-3 4203 Bravo. A few additional sandbags and positioning of fabric are done to finalize the shade cloth areas around these buildings. Iniki crews had placed the bulk of the material one week ago.

0930 – S.Wakefield continues on soil sampling tasks, focusing on a select number of fire hydrants currently in use on Midway's water system.

1200 – Lunch.

1300 – DU-3 shade cloth work continues pushing forward. Materials are unrolled, positioned and sandbagged near the edges and at 12" overlapping seams that have been folded.

1630 – NWDE shade cloth crew has completed a large percent of the major placement work in DU-3. Buildings that have been worked around today include; Bldg 424, 423, 422, 421, 419, 418, 417, 416 & 415.

1730 – End of day

Photographs:

Photo 01: View west, Bldg 5309 Transmitter shade cloth overview of north side.

Photo 02: View northeast, Bldg 415 rolling out shade cloth for placement.

Photo 03: View northwest, Bldg 421 shade cloth secured over DU-3 excavation limits.

Photo 04: View south, Hydrant 77 at 2401 pier. Typical fire hydrant being sampled for LBP soil.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal) Soils (DU4)	Soils (DU7)	Walls (DU7)	Total to Date (gal)	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today** Load	^{3}yds[1]	Excavated and Hauled to R-2 Unit **Total to Date** ^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
10/7/14	0	0	0	3942	0	0	5193
10/8/14	0	0	0	3942	0	0	5193
10/9/14	0	9	0	3951	1	11	5204
10/10/14	0	22	0	3973	3	30	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	0	0	2505
10/7/14	0	0	2505
10/8/14	0	0	2505
10/9/14	1	15	2520
10/10/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
10/7/14	0	0	1365
10/8/14	73	1095	2460
10/9/14	34	510	2970
10/10/14	0	0	2970
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/6/14	0	0	0	0	0
10/7/14	0	0	0	0	0
10/8/14	0	0	0	0	0
10/9/14	0	0	0	0	0
10/10/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
10/7/14	0	0	0	2
10/8/14	0	0	0	0
10/9/14	0	0	0	0
10/10/14	3.3	23	0	0
Total to date	6.3	76	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

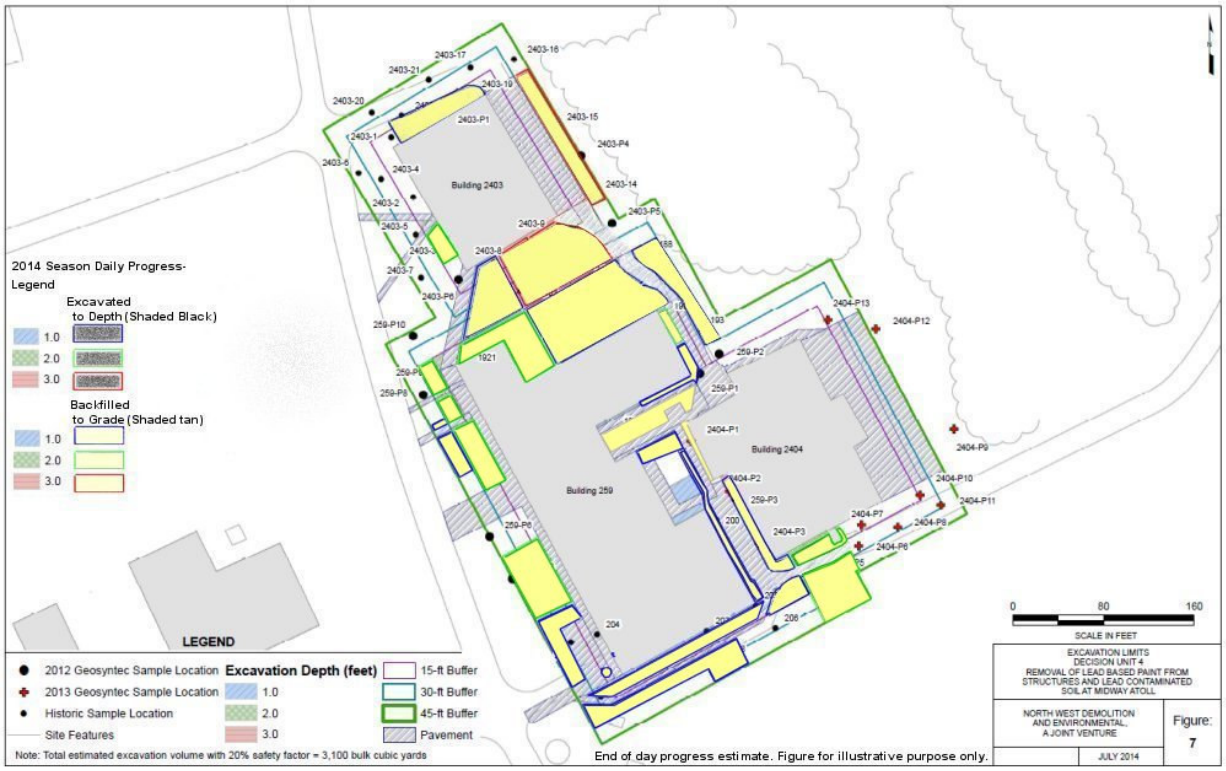
Six P points / 18 samples collected today, 1 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 20
Samples collected to date: 62
Depth refusals to date: 4

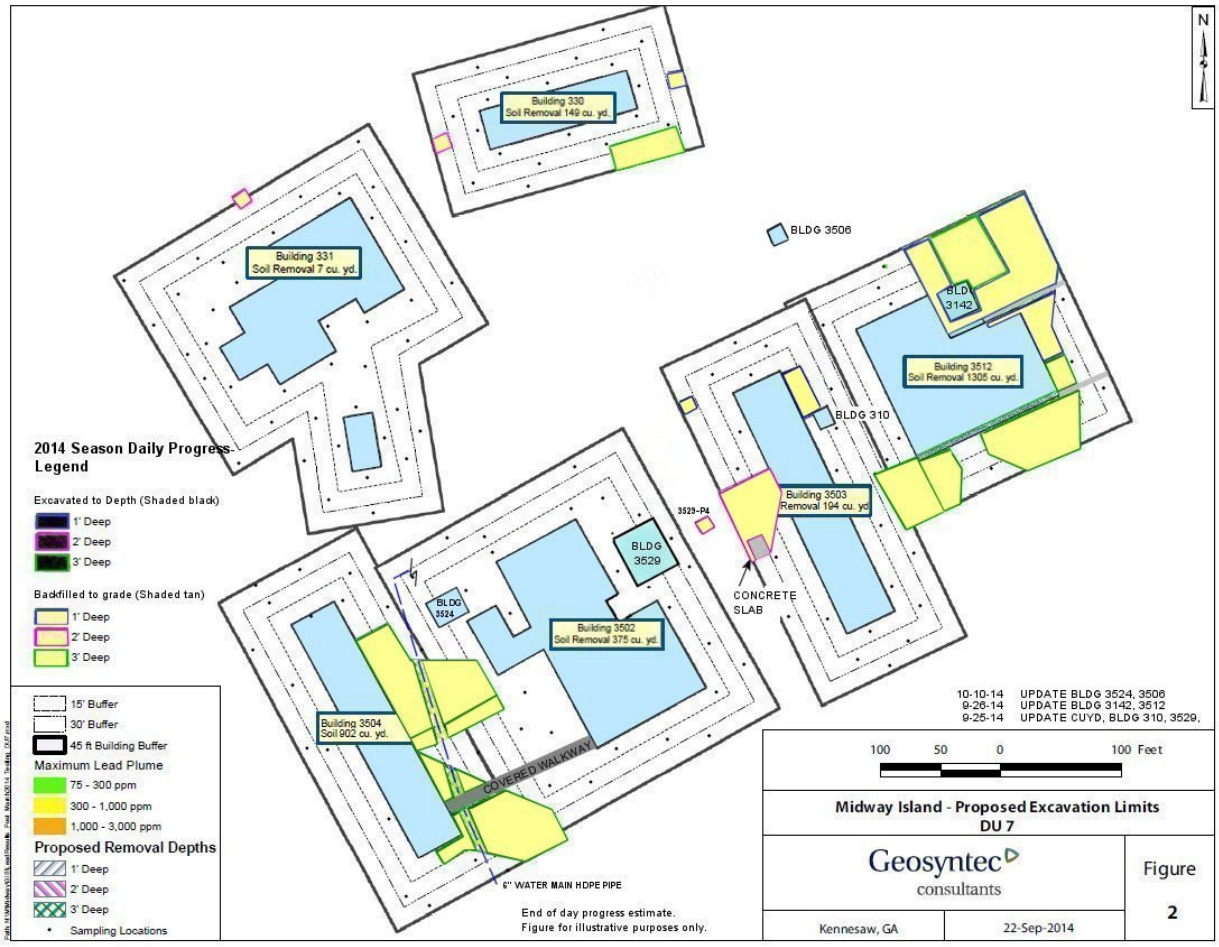
FH 77-P1 0-6”	FH 77-P2 0-6”	FH 77-P3 0-6”
FH 77-P1 12-18”	FH 77-P2 12-18”	FH 77-P3 12-18”
FH 77-P1 24-30” refusal	FH 77-P2 24-30”	FH 77-P3 24-30”
FH 54-P1 0-6”	FH 54-P2 0-6”	FH 54-P3 0-6”
FH 54-P1 12-18”	FH 54-P2 12-18”	FH 54-P3 12-18”
FH 54-P1 24-30”	FH 54-P2 24-30”	FH 54-P3 24-30”

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, October 11, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, wind 18-28mph, Temperature ~82F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	6
Dave Hard	NWDE Operator	6
Jevon Stone	NWDE Operator	6
Lauren Lewis	NWDE Operator	6
Dale Christianson	NWDE Operator	6
Joel Smith	NWDE Operator	6
Mike Bays	NWDE Operator	6

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE checks the DU-9 shade cloth placement around the Officers Quarters. Only one petrel is found to be below the cloth. The area will be checked again late in the evening for birds that may have been missed during the initial installation of cloth.

0740 – The seven person NWDE crew is beginning to fill up additional sand bags for securing shade cloth as needed. At the clean borrow source area, a production line is made to effectively fill, tie and stack the white sand bags on pallets. Thirteen pallets are filled up with new sandbags. Work continues through out the day at the Cargo pier area. Awareness and monitoring for sea animals is continuous during the beach task.

1200 – Lunch.

1330 – NWDE is wrapping up sandbag work at the borrow source area. Pallets have been moved off the sea wall area and been consolidated at DU-7 for temporary staging.
S.Wakefield makes provisions for packaging a batch of soil samples in a five gallon bucket. Samples collected are expected to ship off island on October 21st charter flight.

1730 – End of day.

Photographs:

Photo 01: View southwest, filling sandbags at the Cargo pier borrow source.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/6/14	0	0	0	3942	0	0	5193
10/7/14	0	0	0	3942	0	0	5193
10/8/14	0	0	0	3942	0	0	5193
10/9/14	0	9	0	3951	1	11	5204
10/10/14	0	22	0	3973	3	30	5234
10/11/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	0	0	2505
10/7/14	0	0	2505
10/8/14	0	0	2505
10/9/14	1	15	2520
10/10/14	0	0	2520
10/11/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/6/14	8	120	1365
10/7/14	0	0	1365
10/8/14	73	1095	2460
10/9/14	34	510	2970
10/10/14	0	0	2970
10/11/14	0	0	2970
Total to date- 198 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/6/14	0	0	0	0	0
10/7/14	0	0	0	0	0
10/8/14	0	0	0	0	0
10/9/14	0	0	0	0	0
10/10/14	0	0	0	0	0
10/11/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/6/14	0	0	0	0
10/7/14	0	0	0	2
10/8/14	0	0	0	0
10/9/14	0	0	0	0
10/10/14	3.3	23	0	0
10/11/14	0	1	0	0
Total to date	6.3	77	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

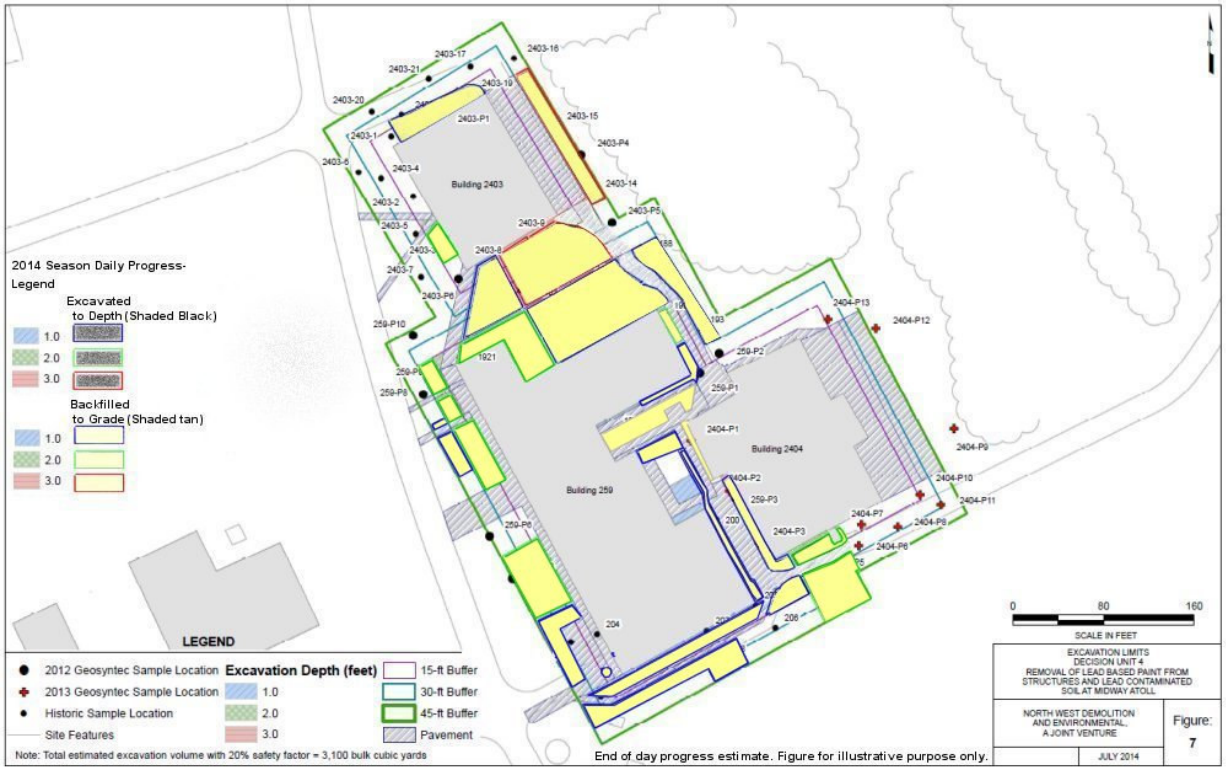
Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 sample refused:

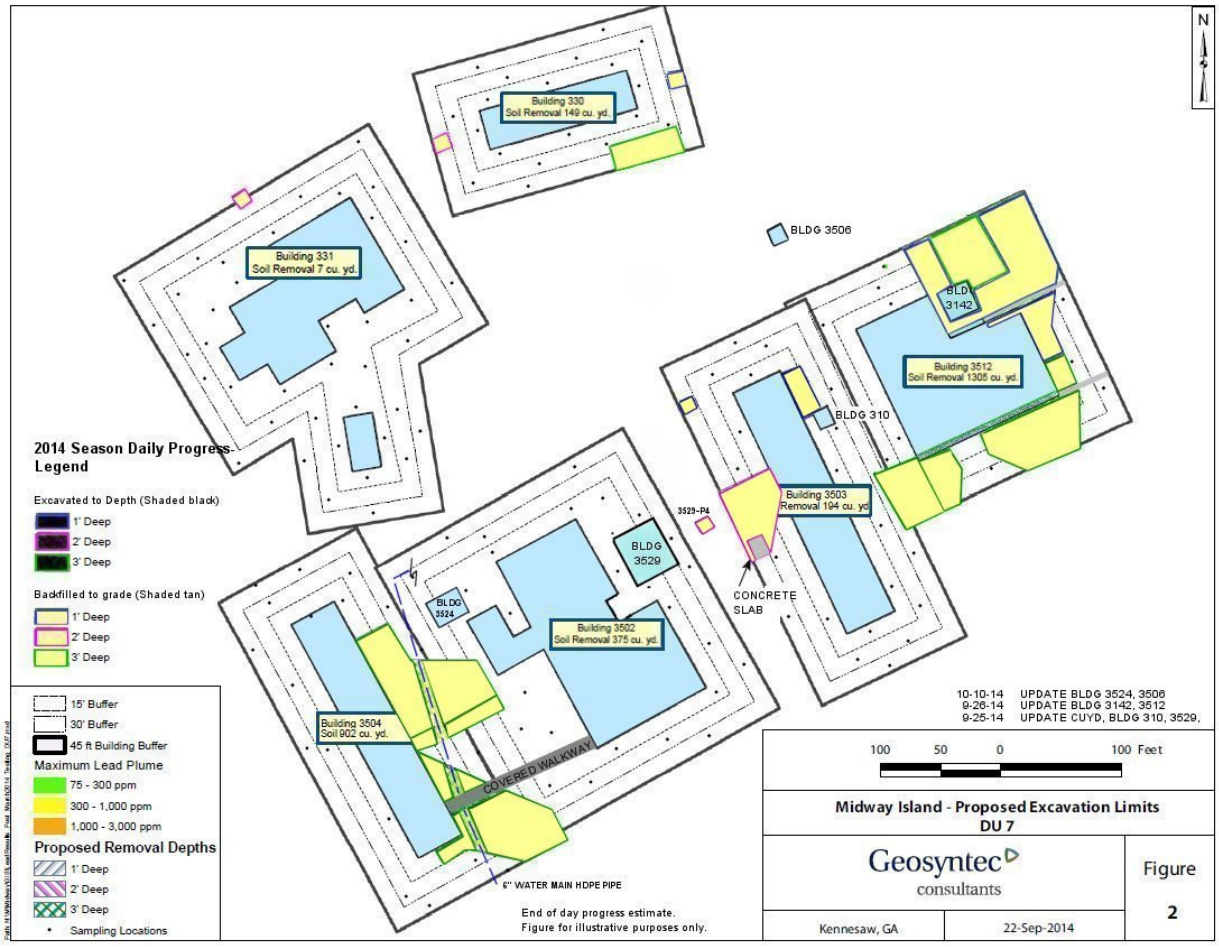
2014 Fall Season Summary[1]-
Total P points to date: 20
Samples collected to date: 62
Depth refusals to date: 4

Notes: 1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6" depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, October 13, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, wind 9mph, Temperature ~88F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	10
Dave Hard	NWDE Operator	10
Jevon Stone	NWDE Operator	10
Lauren Lewis	NWDE Operator	10
Dale Christianson	NWDE Operator	10
Joel Smith	NWDE Operator	10
Mike Bays	NWDE Operator	10

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	153 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE is loading up shade cloth for continuing task to place the black fabric as required.

0830 – At Bldg 414 Midway House, the excavation marks are verified with shade cloth crew and faded paint marks re sprayed to show excavation limits around the building.
D.Christianson is performing preventative O&M work to one of the Volvo 290 excavators. The machine is also being cleaned and prepared for long term storage as the 2014 season begins to wind up. The corrosive Pacific Ocean environment is continually wearing away at the earth moving equipment. Proper maintenance and storage tasks reduce future downtime and repair expense.

0845 – S.Wakefield and D.Hard are on task to continue the fire hydrant sampling work.

1000 – Weekly conference call with Mainland and Hawaii project offices. See NWDE Midway Meeting Agenda for specific detail.

1200 – Lunch.

1500 – NWDE J.Stone, L.Lewis, J.Smith and M.Bays move operations to the Midway House Bldg 414. Petrel patrol work goes forward to remove adult birds from the below grade burrows at the beginning of the work task. Shade cloth is then placed per the proposed excavation limits DU-3, Fig 2. Plants that have been noted as important are carefully worked around. The cloth is positioned around the base of the plants. U.S. FWS will relocate these items prior to next seasons' excavation work as required.

1700 – Hydrant sampling is wrapping up for the day. To date seven fire hydrants have been sampled. These include reference; #48 Radar Hill, #54 Fuel Tank Farm, #77 Kahana pier, #37 Charlie barracks, #44 south of Bldg 418, #24 south of Bldg 3503, #70 Seaplane Hanger. A total of 8 hydrant locations will be collected this season, the last one being out near the airport / fire station.

1730 – End of day

Photographs:

Photo 01: View north, Bldg 414 Midway House shade cloth placement.

Photo 02: View southwest, FH70, sampling fire hydrant soil near Seaplane hanger.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals				Treated Soil Totals[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]	
		Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
Total to date	9.3	85	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

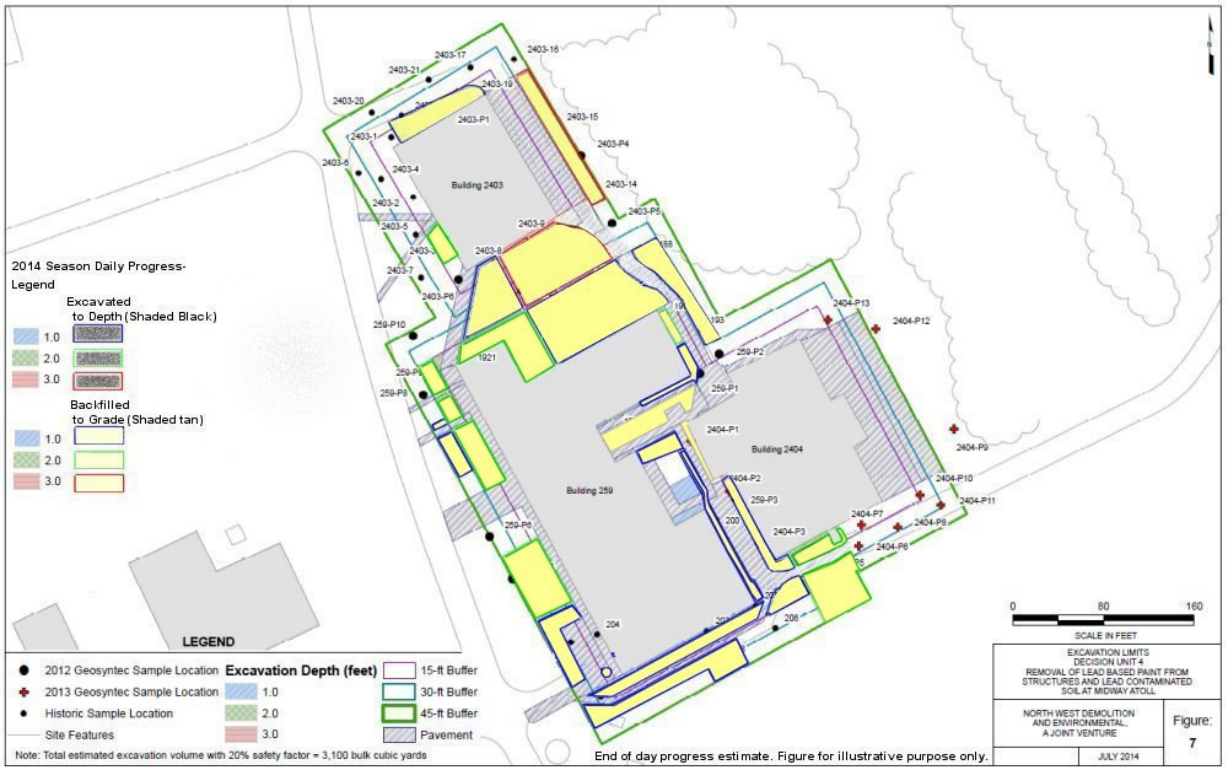
Twelve P points / 40 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 32
Samples collected to date: 102
Depth refusals to date: 4

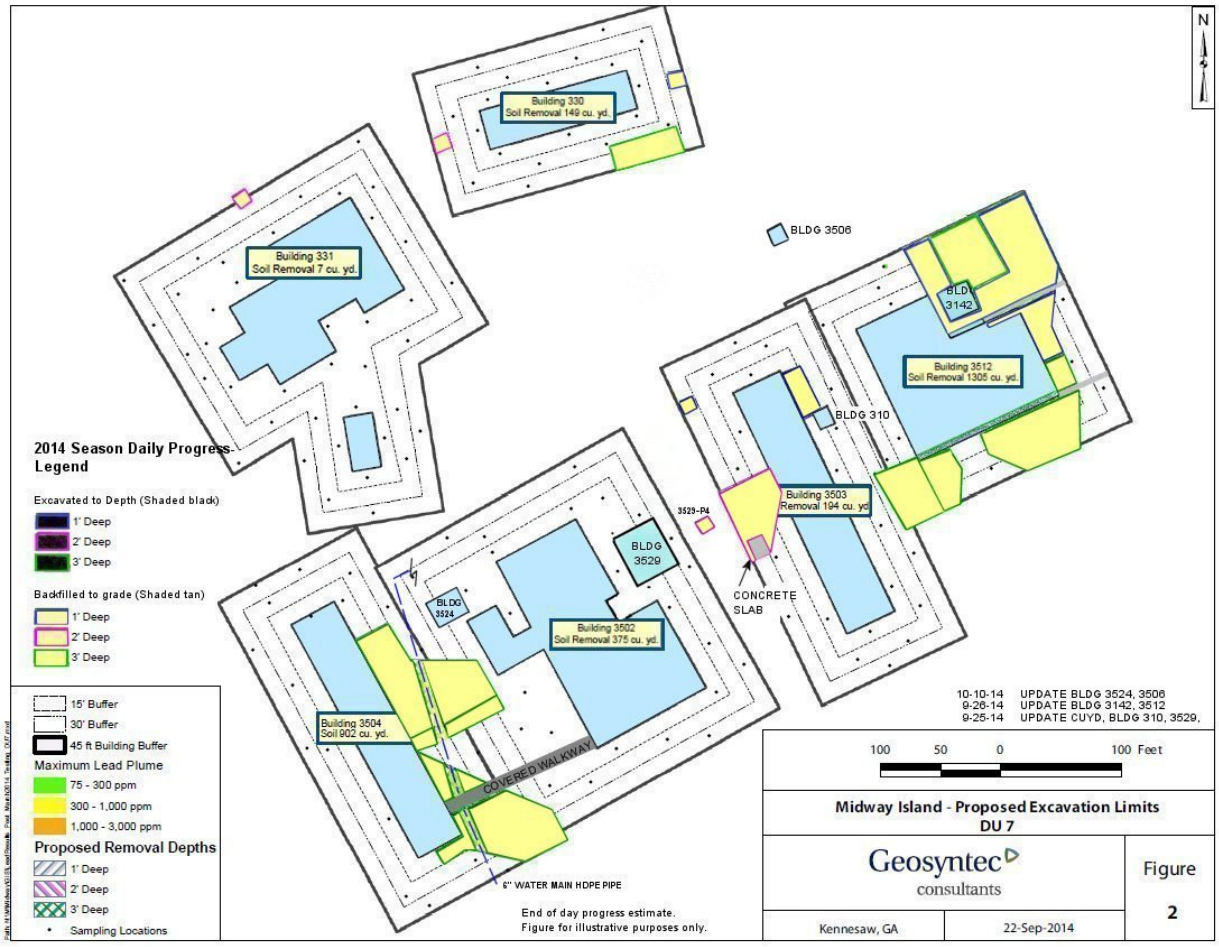
FH 37-P1 0-6”	FH 37-P2 0-6”	FH 37-P3 0-6”
FH 37-P1 12-18”	FH 37-P2 12-18”	FH 37-P3 12-18”
FH 37-P1 24-30”	FH 37-P2 24-30”	FH 37-P3 24-30”
FH 44-P1 0-6”	FH 44-P2 0-6”	FH 44-P3 0-6”
FH 44-P1 12-18”	FH 44-P2 12-18”	FH 44-P3 12-18”
FH 44-P1 24-30”	FH 44-P2 24-30”	FH 44-P3 24-30”
---	FH 44-P2 30-36”	---
FH 24-P1 0-6”	FH 24-P2 0-6”	FH 24-P3 0-6”
FH 24-P1 12-18”	FH 24-P2 12-18”	FH 24-P3 12-18”
FH 24-P1 24-30”	FH 24-P2 24-30”	FH 24-P3 24-30”
FH 24-P3 0-6” DUP	FH 24-P3 12-18” DUP	FH 24-P3 24-30” DUP
FH 70-P1 0-6”	FH 70-P2 0-6”	FH 70-P3 0-6”
FH 70-P1 12-18”	FH 70-P2 12-18”	FH 70-P3 12-18”
FH 70-P1 24-30”	FH 70-P2 24-30”	FH 70-P3 24-30”

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, October 14, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Partly cloudy, wind 8mph, Temperature ~88F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	8
Dave Hard	NWDE Operator	8
Jevon Stone	NWDE Operator	8
Lauren Lewis	NWDE Operator	8
Dale Christianson	NWDE Operator	8
Joel Smith	NWDE Operator	8
Mike Bays	NWDE Operator	8

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Bret Wolfe	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0715 – NWDE is working to continue placing ground cover shade cloth at the Midway Bldg 414. The north side of the excavation area is approximately 50% complete. The goal is to have the balance of the cloth in place this morning, secured with sandbags.
S.Wakefield and D.Hard continue sampling tasks using the 2" hand auger at predetermined depths.

1100 – The Midway House and Bldg 4208 duplex shade cloth installation tasks finish up. The NWDE crew moves to the Cargo pier to fill additional white sandbags with clean sand. Biological awareness of sea animals and birds is ongoing during work tasks at the sea wall area.

1200 – Lunch

1300 – U.S. FWS M.Amann and B.Wolfe check progress, methods and materials used for the shade cloth placement in DU-3. A few areas are noted to need adjustment and insure adequate anchoring for the cloth. NWDE will include these task items as they wrap up final shade cloth work in the Decision Unit.

1530 – Sandbags being filled today are stacked on pallets for ease of handling and staged for use.

1730 – End of day

Photographs:

Photo 01: View west, R2 Cell 4 (front) Cell 3 (back) shade cloth.

Photo 02: View west, R2 Cell 4 (front) Cell 3 (back) trench below shade cloth.

Photo 03: View southwest, FH02, sampling fire hydrant soil near MDY Fire Department.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
Total to date- 198 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

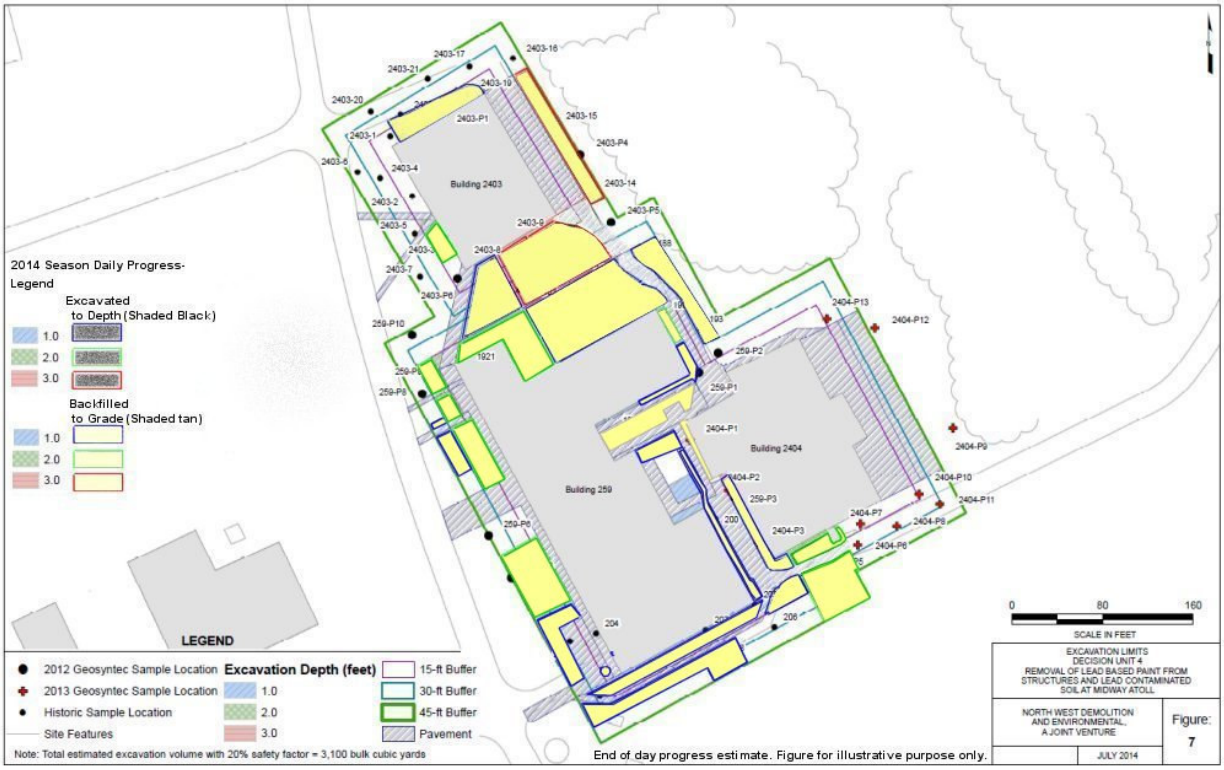
Eight P points / 24 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 40
Samples collected to date: 126
Depth refusals to date: 4

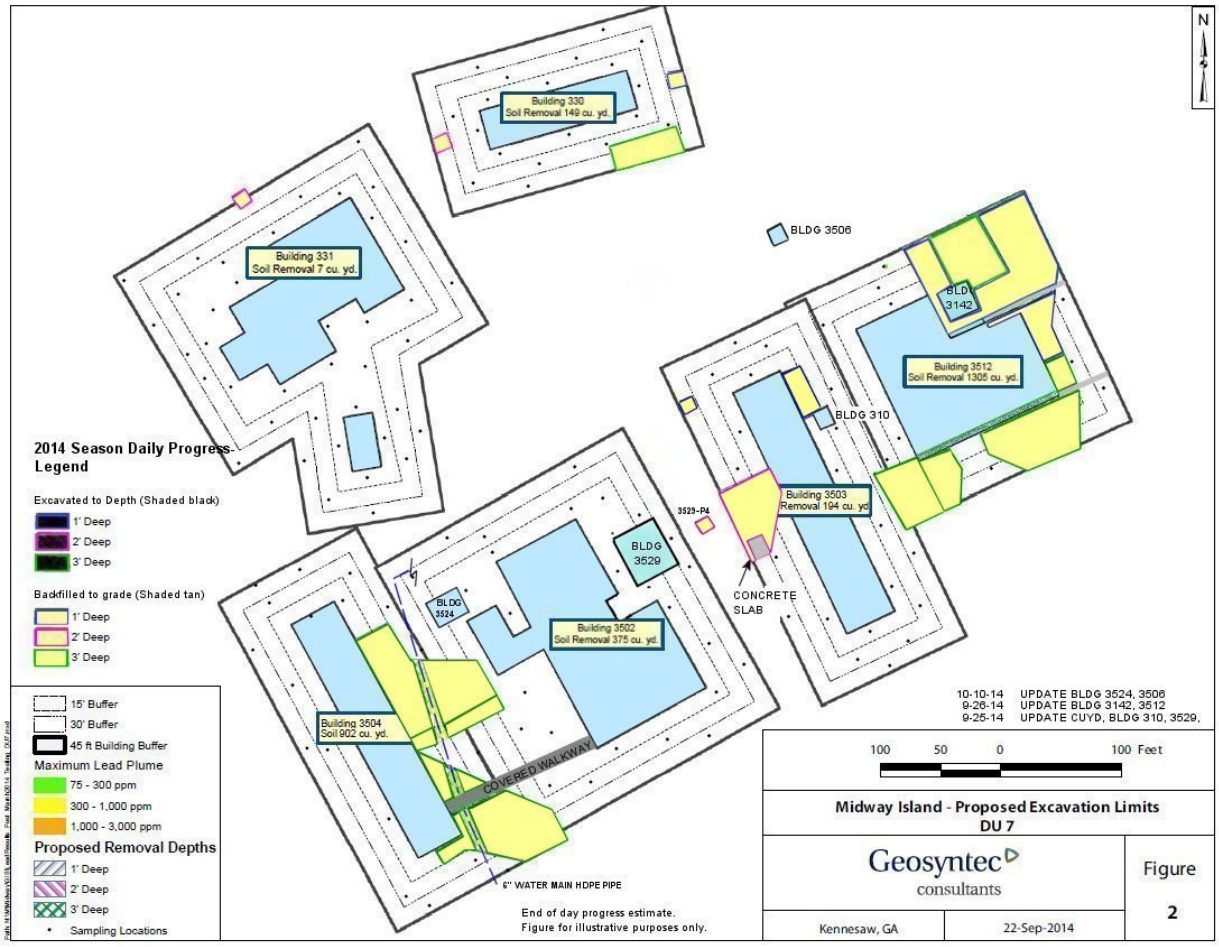
FH 02-P1 0-6”	FH 02-P2 0-6”	FH 02-P3 0-6”
FH 02-P1 12-18”	FH 02-P2 12-18”	FH 02-P3 12-18”
FH 02-P1 24-30”	FH 02-P2 24-30”	FH 02-P3 24-30”
3503-P25 0-6”	3503-P26 0-6”	3503-P27 0-6”
3503-P25 12-18”	3503-P26 12-18”	3503-P27 12-18”
3503-P25 24-30”	3503-P26 24-30”	3503-P27 24-30”
3503-P28 0-6”	3503-P29 0-6”	---
3503-P28 12-18”	3503-P29 12-18”	---
3503-P28 24-30”	3503-P29 24-30”	---

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Samples DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Wednesday, October 15, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, wind 10mph, Temperature ~82F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	8
Dave Hard	NWDE Operator	8
Jevon Stone	NWDE Operator	8
Lauren Lewis	NWDE Operator	8
Dale Christianson	NWDE Operator	8
Joel Smith	NWDE Operator	8
Mike Bays	NWDE Operator	8

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0718 – NWDE task for today is finishing the shade cloth placement at DU-3 housing areas. The materials are checked and re adjusted where necessary. The crew begins at the Officer's housing and work through the areas to finalize the placement of the black fabric to the satisfaction of U.S.FWS.
Soil sampling tasks continue on island.

0900 – A few sandbags are moved from the stockpile staging area and added to areas of shade cloth in DU-3 for additional anchoring.

1200 – Lunch.

1300 – U.S.FWS M.Amann and NWDE S.Wakefield review the DU-9 punch list of sampling. Buildings are chosen that will be sampled in the remaining time for the 2014 season.
NWDE is at the R2 site loading up scrap steel to be recycled. The former 12" steel pipe and valves in the north east corner of Cell 3 have been previously cut into manageable pieces. These are hauled to the bone yard and stockpiled for future recycling.

1500 – Misc debris and steel piles at DU-4 and DU-7 are loaded and hauled to recycle areas in the bone yard. Approximately one half of a load is at each Decision Unit.

1700 – The R2 site, Cell 4 is ready to begin building a berm of coral sand. NWDE will begin working on the berm tomorrow to finish closing up the R2 unit for the season.
Sampling work continues through out the afternoon.

1730 – End of day

Photographs:

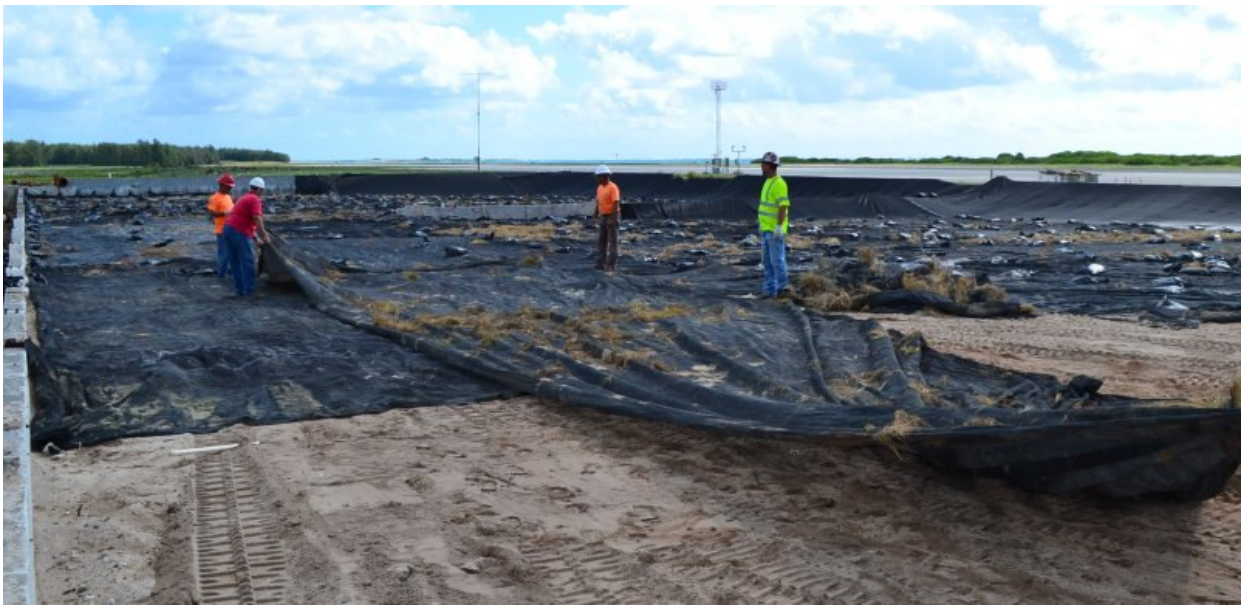


Photo 01: View east, R2 Cell 4 (front) Cell 3 (back) shade cloth placement.

Photo 02: Scrap 12" steel pipe, valves and debris from former Navy R2, Cell 3.

Photo 03: View southwest, R2 Cell 3 (front) Cell 4 (back) cloth and sandbags.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
Total to date- 198 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	2	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

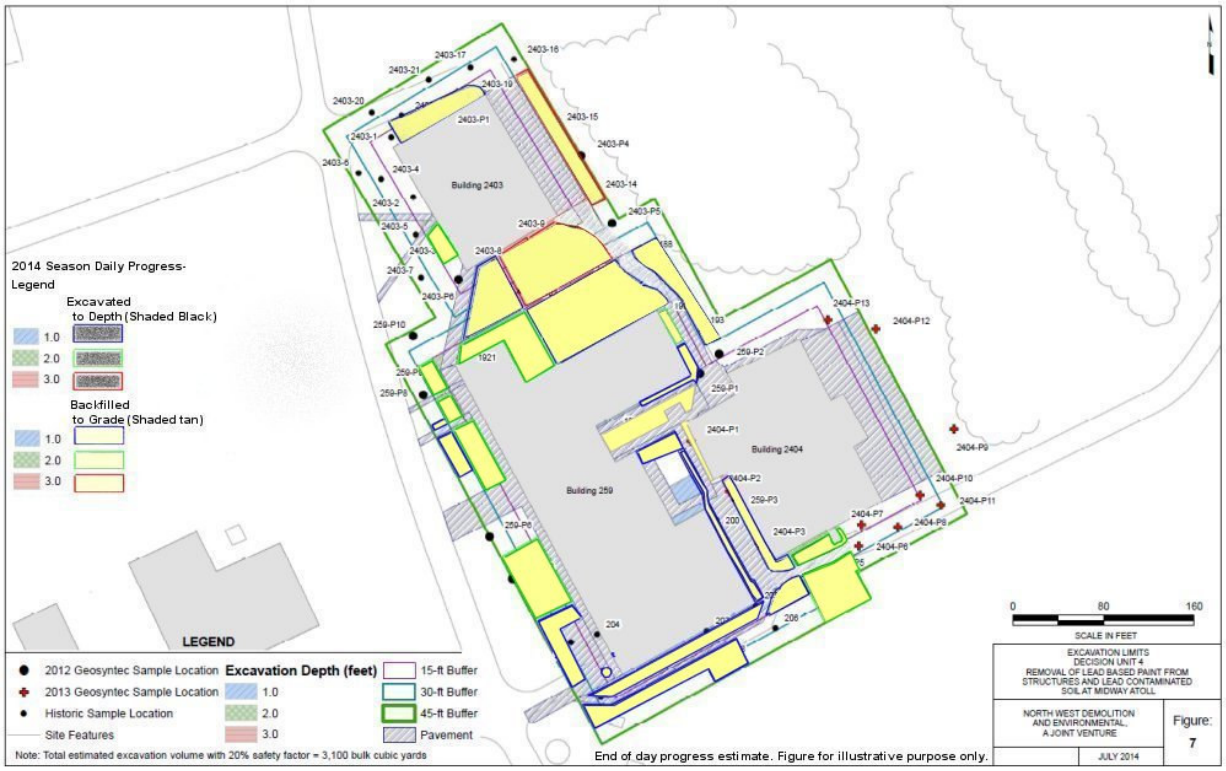
Five P points / 16 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 45
Samples collected to date: 142
Depth refusals to date: 4

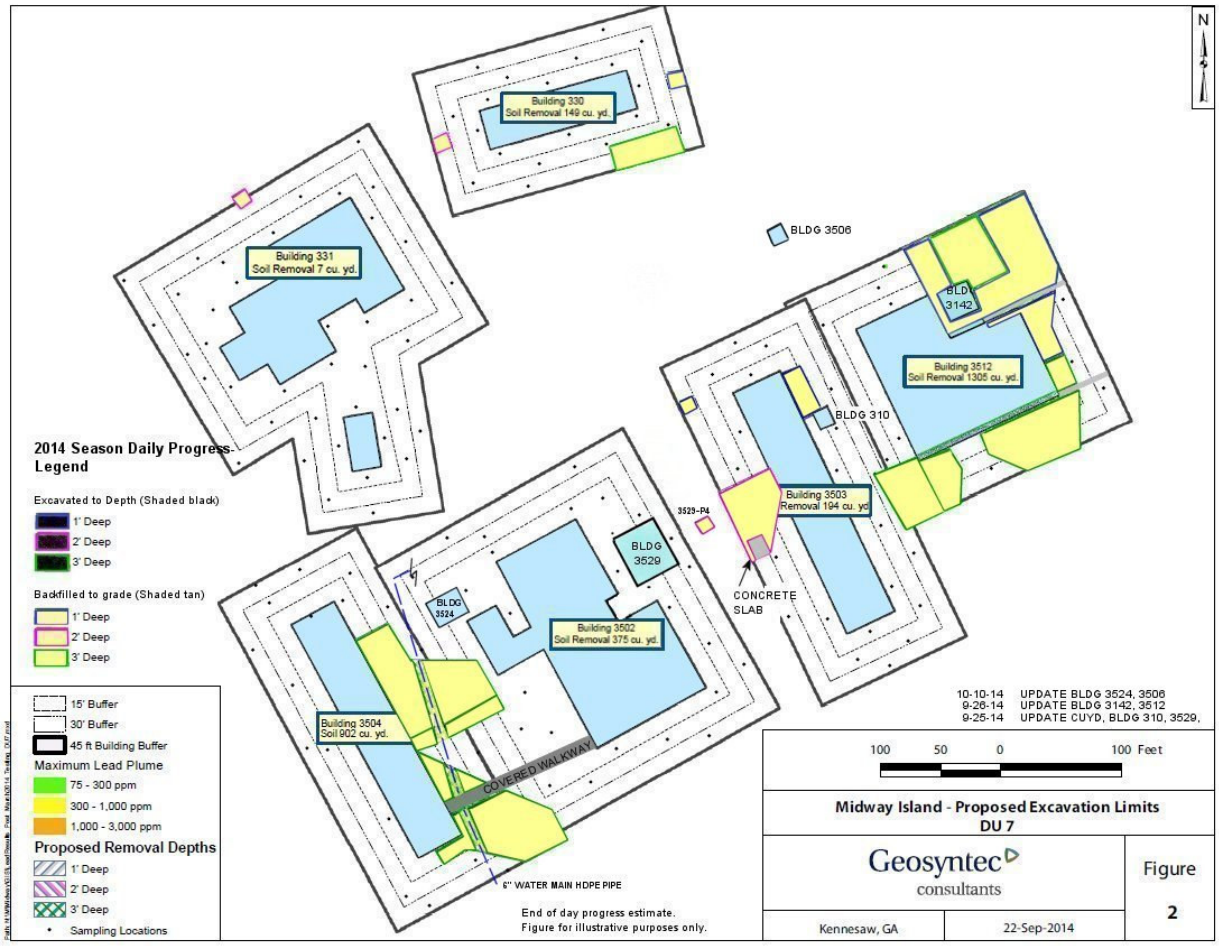
3502-P27 0-6”	3502-P28 0-6”	3502-P29 0-6”
3502-P27 12-18”	3502-P28 12-18”	3502-P29 12-18”
3502-P27 24-30”	3502-P28 24-30”	3502-P29 24-30”
3504-P28 0-6”	3504-P29 0-6”	R2 Cell 3 0-6”
3504-P28 12-18”	3504-P29 12-18”	---
3504-P28 24-30”	3504-P29 24-30”	---

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(FH Fire Hydrant) (48 Hydrant I.D. per Base Services, Inc BSI/DR 0034) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Sampled DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Thursday, October 16, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, wind 10mph, Temperature ~82F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	8
Dave Hard	NWDE Operator	8
Jevon Stone	NWDE Operator	8
Lauren Lewis	NWDE Operator	8
Dale Christianson	NWDE Operator	8
Joel Smith	NWDE Operator	8
Mike Bays	NWDE Operator	8

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE will be working to finish the interim cover for the R2 unit today. The entry into Cell 4 will be closed up and secured.

0900 – Submit export documents to U.S. FWS for the upcoming shipment of collected soil samples. Samples will go to Test America for laboratory analysis (EPA 6010 lead.)

1030 – The NWDE crew has the berm at Cell 4 of the R2 in place. A barrier of DuraSkirm was positioned first with a long length tail to the exterior west side. Clean coral sand has been placed on top of the impermeable barrier. The tail has been brought up and back over the clean sand, then additional beach sand caps off the berm. This creates a water stop feature that directs future rain water to remain in the R2 soils and not drain towards the taxi way.
DU-9 sampling continues at Bldg 5342.

1200 – Lunch.

1300 – NWDE continues to wrap up the major work relating to the R2 interim cover for the end of this season.

1500 – The last of the required clean coral sand has been hauled from the borrow source area at the Cargo pier. The Volvo 290 excavator leaves the beach headed back to the NAF staging area. Preventative maintenance and cleaning of the excavator and Volvo A30 trucks will continue as the equipment prepares for long term storage.
DU-9 sampling continues at Bldg 140.

1730 – End of day

Photographs:

Photo 01: View northeast, R2 Cell 4 entry closing tasks.

Photo 02: View south, clean coral sand berm formed at Cell 4 entry.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal) Soils (DU4)	Soils (DU7)	Walls (DU7)	Total to Date (gal)	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today** Load	^{3}yds[1]	Excavated and Hauled to R-2 Unit **Total to Date** ^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
10/16/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
10/16/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
10/16/14	0	0	2970
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	1	0	0
10/16/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
10/4/14	- - -	0
Total to date	28 Buildings	155

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
10/16/14	0	0	0	0
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

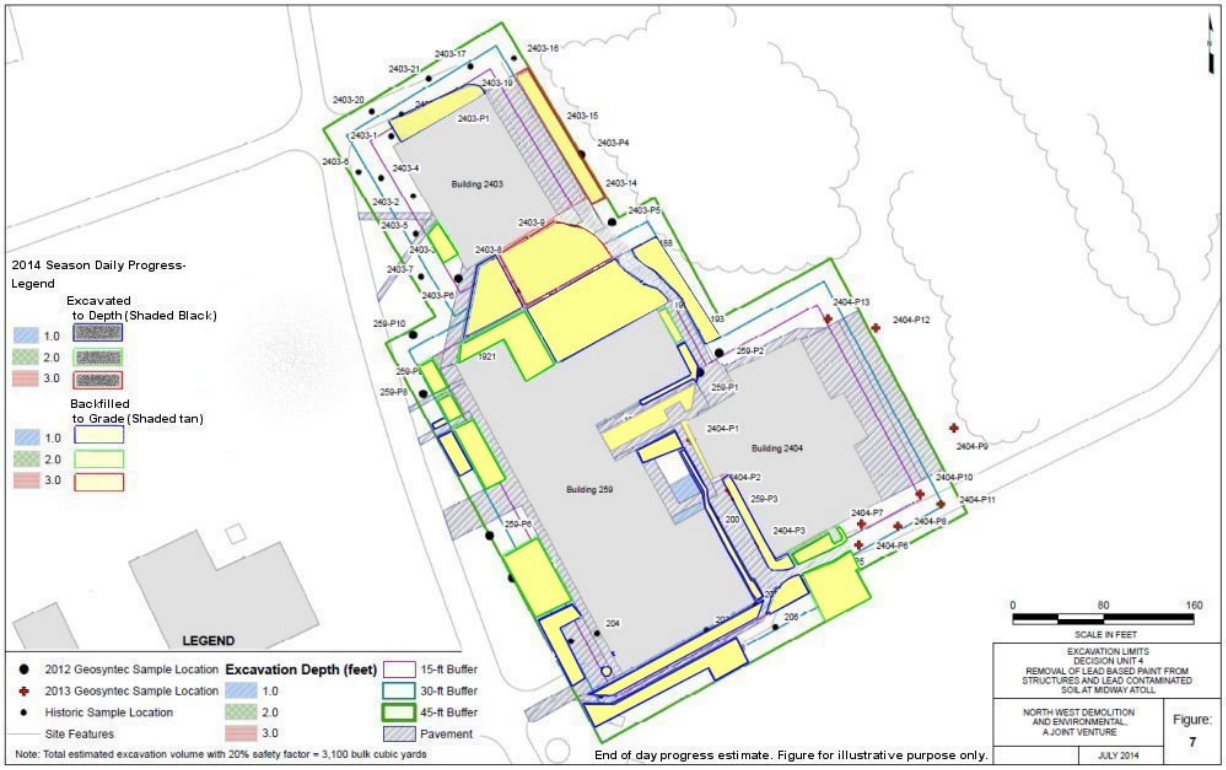
Nine P points / 27 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 54
Samples collected to date: 169
Depth refusals to date: 4

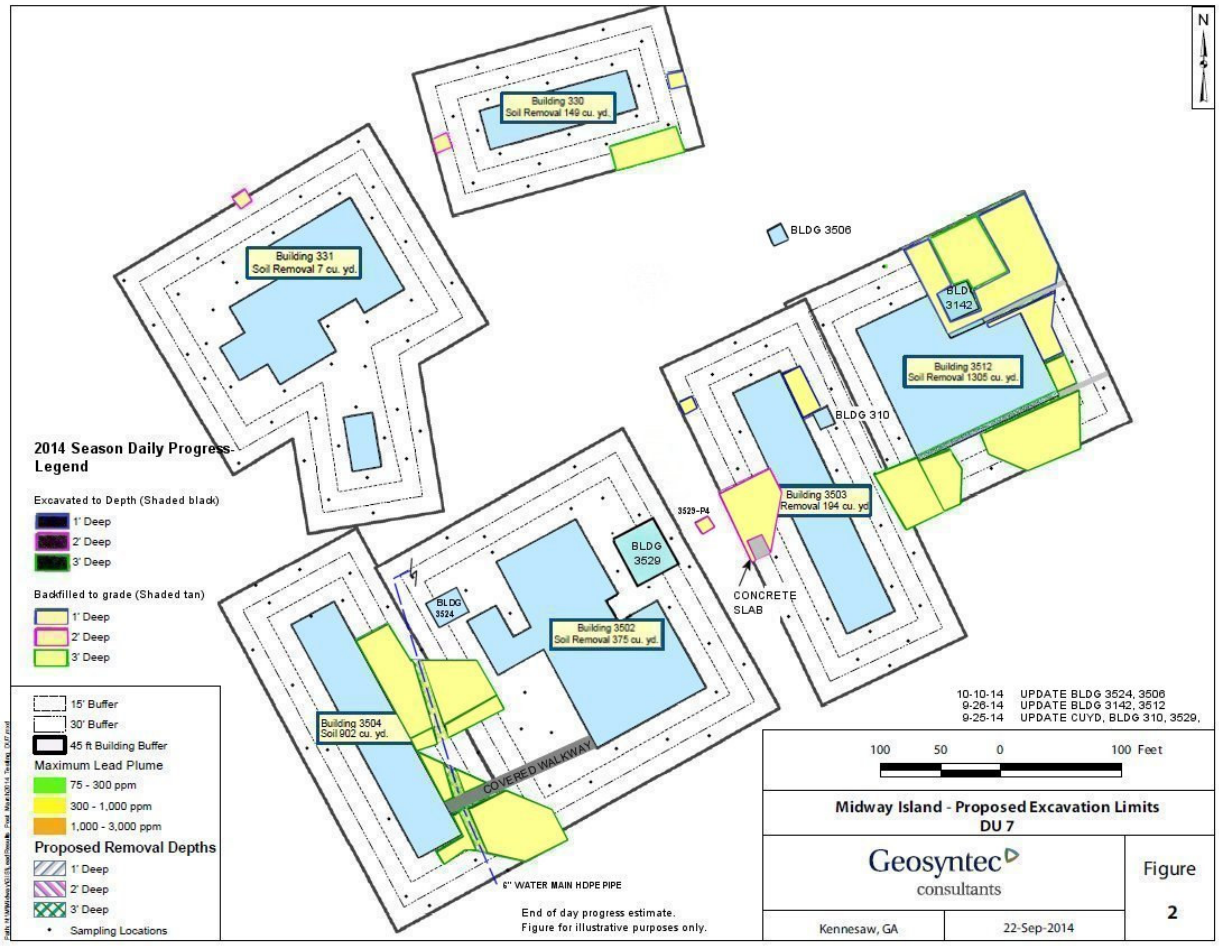
5342-P1 0-6”	5342-P2 0-6”	5342-P3 0-6”
5342-P1 12-18”	5342-P2 12-18”	5342-P3 12-18”
5342-P1 24-30”	5342-P2 24-30”	5342-P3 24-30”
5342-P4 0-6”	5342-P5 0-6”	5342-P6 0-6”
5342-P4 12-18”	5342-P5 12-18”	5342-P6 12-18”
5342-P4 24-30”	5342-P5 24-30”	5342-P6 24-30”
5342-P6 0-6” DUP	140-P1 0-6”	140-P2 0-6”
5342-P6 12-18” DUP	140-P1 12-18”	140-P2 12-18”
5342-P6 24-30” DUP	140-P1 24-30”	140-P2 24-30”

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(1234 Building number) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Sampled DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Friday, October 17, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Cloudy, wind 18mph, Temperature ~79F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	8
Dave Hard	NWDE Operator	8
Jevon Stone	NWDE Operator	8
Lauren Lewis	NWDE Operator	8
Dale Christianson	NWDE Operator	8
Joel Smith	NWDE Operator	8
Mike Bays	NWDE Operator	8

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS
Bret Wolfe	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	7 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.

0720 – NWDE tasks for today are final maintenance of the three excavators, two Volvo off road haul trucks, F-350 & F450 pickup trucks and two skid steer machines. Equipment cleaning and grease/lubrication work as well as staging under the designated work area below the NAF hanger roof to wrap up the seasons' goals for DU-4 / DU-7 excavations and DU-3 / DU-5 shade cloth installation. Soil sampling for DU-9 continues for today.

0900 – U.S.FWS M.Amann and B.Wolfe inspect progress of shade cloth placement at DU-9 housing and DU-5 Transmitter / R2 sites. The material anchoring and orientation is satisfactory.

1200 – Lunch.

1230 – Soil sampling for DU-9 continues. Refer to Table 6 for locations.

1300 – Sample Tank P1, P2, P3, P4 location is a former concrete AST south of the intersection of Roosevelt & Henderson.

1730 – End of day

Photographs:

Photo 01: R2 interim cover complete for the end of the 2014 season.

Photo 02: View south, R2 Cell 4 (background) berm closure.

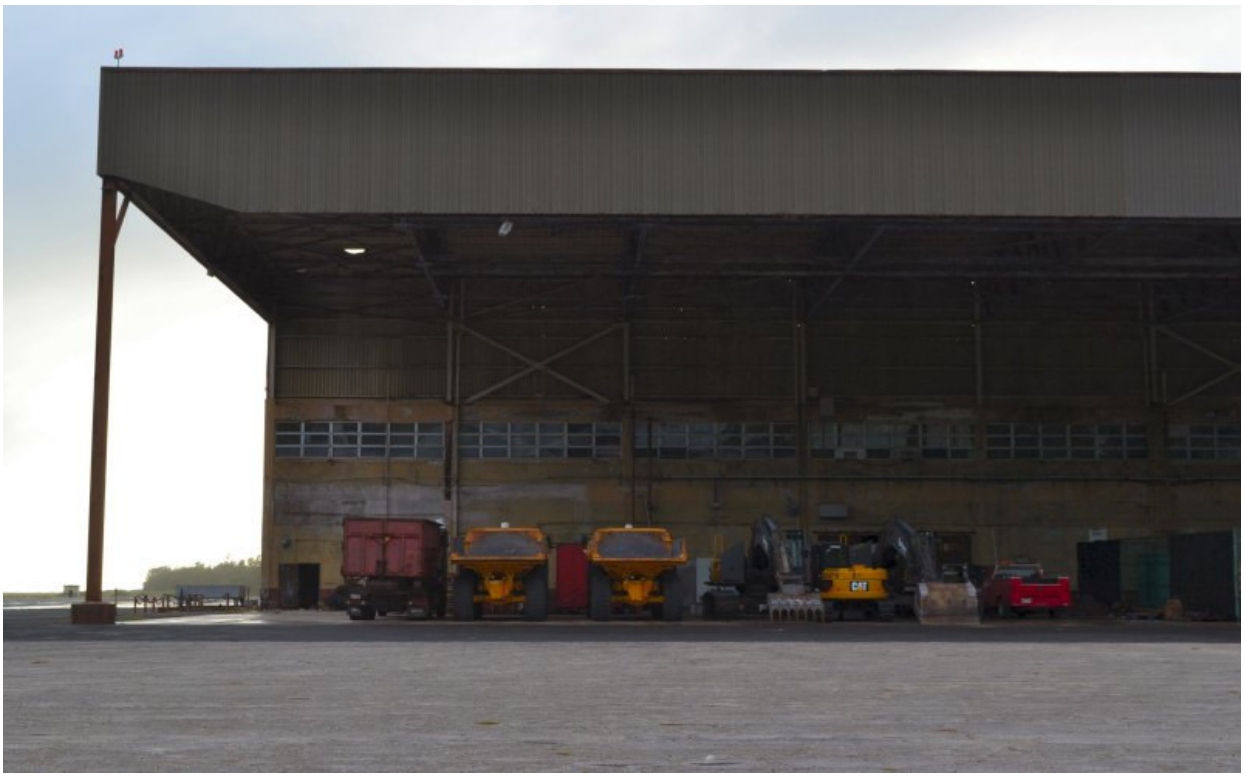


Photo 03: NAF Staging area.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal) Soils (DU4)	Soils (DU7)	Walls (DU7)	Total to Date (gal)	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today** Load	^{3}yds[1]	Excavated and Hauled to R-2 Unit **Total to Date** ^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
10/16/14	0	0	0	3973	0	0	5234
10/17/14	0	0	0	3973	0	0	5234
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
10/16/14	0	0	2520
10/17/14	0	0	2520
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
10/16/14	0	0	2970
10/17/14	0	0	2970
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	1	0	0
10/16/14	0	0	0	0	0
10/17/14	0	0	0	0	0

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
	3514, 4201, S464 [1]	
Total to date	31 Buildings	155

Notes: 1. Edit- S30A tanks at Fuel Farm were not Maectite treated.
Bldg 4201, S464 (Fuel Farm) were treated with Maectite.
Bldg 3514 near (Empire Café) was Maectite treated.

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
10/16/14	0	0	0	0
10/17/14	0	0	0	0
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

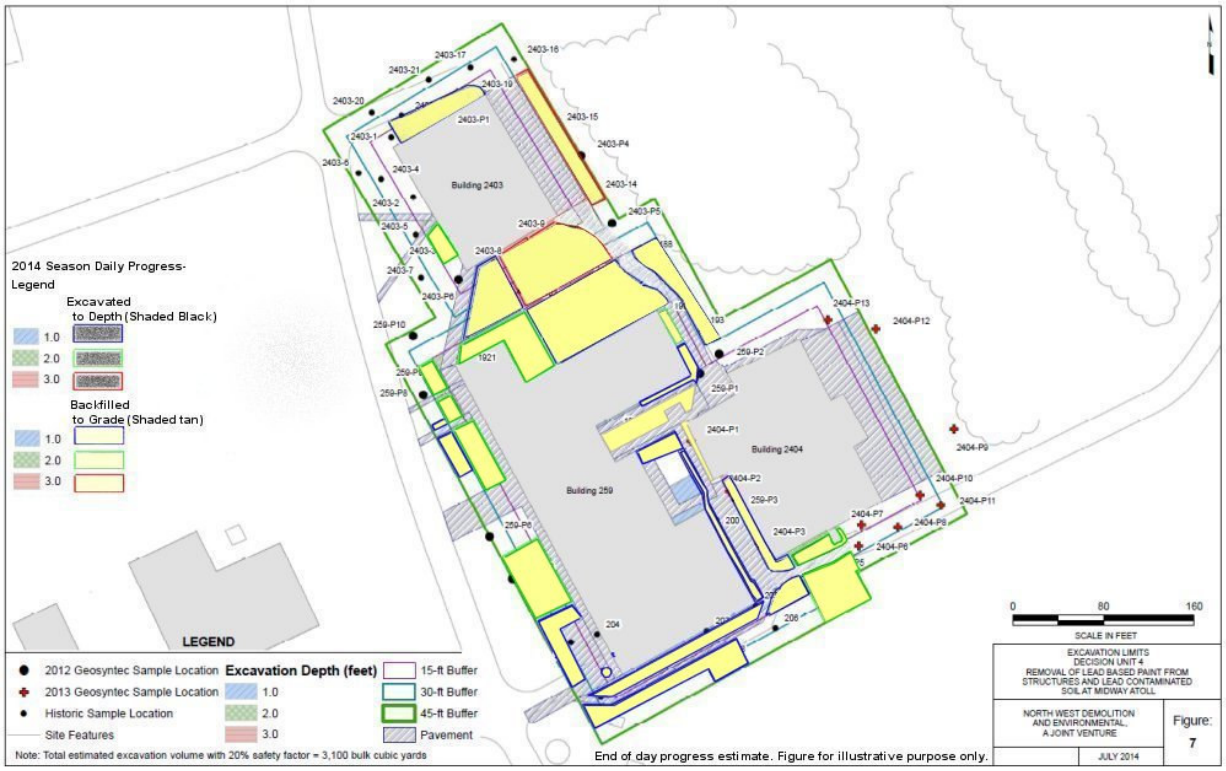
Thirteen P points / 31 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 67
Samples collected to date: 200
Depth refusals to date: 4

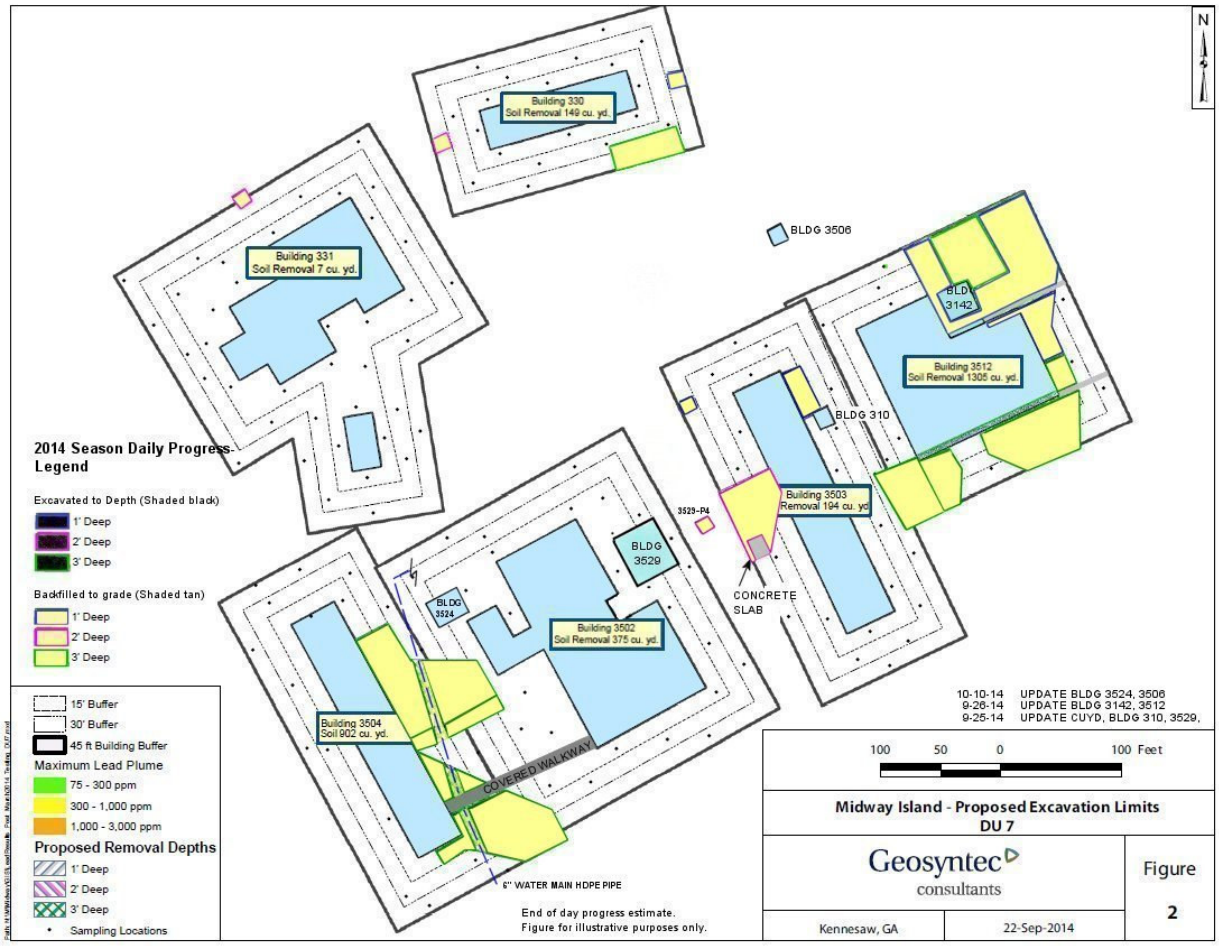
140-P3 0-6”	140-P4 0-6”	140-P5 0-6”
140-P3 12-18”	140-P4 12-18”	140-P5 12-18”
140-P3 24-30”	140-P4 24-30”	140-P5 24-30”
1124-P1 0-6”	1124-P2 0-6”	1124-P3 0-6”
1124-P1 12-18”	1124-P2 12-18”	1124-P3 12-18”
1124-P1 24-30”	1124-P2 24-30”	1124-P3 24-30”
1124-P4 0-6”	1124-P5 0-6”	1124-P6 0-6”
1124-P4 12-18”	1124-P5 12-18”	1124-P6 12-18”
1124-P4 24-30”	1124-P5 24-30”	1124-P6 24-30”
---	1124-P5 30-36”	---
TANK-P1 0-6”	TANK-P2 0-6”	TANK-P3 0-6”
TANK-P1 12-18”	TANK-P2 12-18”	TANK-P3 12-18”
TANK-P1 24-30”	TANK-P2 24-30”	TANK-P3 24-30”
TANK-P4 0-6”	---	---
TANK-P4 12-18”	---	---
TANK-P4 24-30”	---	---

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(1234 Building number) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Sampled DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Saturday, October 18, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Cloudy, light rain, wind 20mph, gusts 29mph, Temperature ~79F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	10
Everett White	NWDE Supervisor	0
Dave Hard	NWDE Operator	0
Jevon Stone	NWDE Operator	0
Lauren Lewis	NWDE Operator	0
Dale Christianson	NWDE Operator	0
Joel Smith	NWDE Operator	0
Mike Bays	NWDE Operator	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.
Task work today focuses on continued soil sampling of DU-9. See Table 6 for additional information.

0930 – U.S. FWS M.Amann and NWDE S.Wakefield verify sampling locations at the water treatment plant buildings 347, 3501, 5004, R3 3126 East and R3 3127 West.

1200 – Lunch.

1230 – Resume sampling at the water treatment facility.

1730 – End of day

Photographs:

Photo 01: Midway Water Plant.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal) Soils (DU4)	Soils (DU7)	Walls (DU7)	Total to Date (gal)	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today** Load	^{3}yds[1]	Excavated and Hauled to R-2 Unit **Total to Date** ^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
10/16/14	0	0	0	3973	0	0	5234
10/17/14	0	0	0	3973	0	0	5234
---	--	--	--	--	--	--	--
Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
10/16/14	0	0	2520
10/17/14	0	0	2520
--	--	--	--
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
10/16/14	0	0	2970
10/17/14	0	0	2970
--	--	--	--
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	1	0	0
10/16/14	0	0	0	0	0
10/17/14	0	0	0	0	0
--	--	--	--	--	--

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S361, 5341, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	Five – S30A, 520, 5295, S5296, (+1)	15
	3514, 4201, S464 [1]	
Total to date	31 Buildings	155

Notes: 1. Edit- S30A tanks at Fuel Farm were not Maectite treated.
Bldg 4201, S464 (Fuel Farm) were treated with Maectite.
Bldg 3514 near (Empire Café) was Maectite treated.

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
10/16/14	0	0	0	0
10/17/14	0	0	0	0
--	--	--	--	--
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

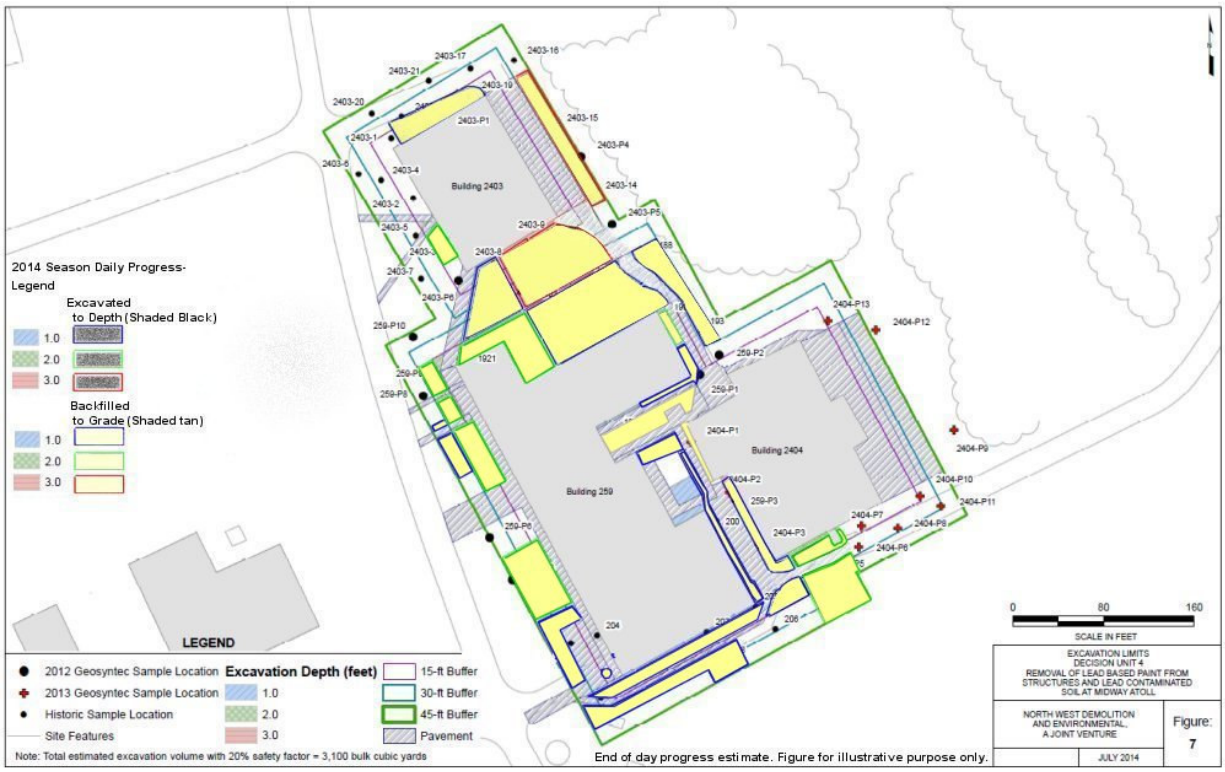
Fifteen P points / 41 samples collected today, 4 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 82
Samples collected to date: 241
Depth refusals to date: 8

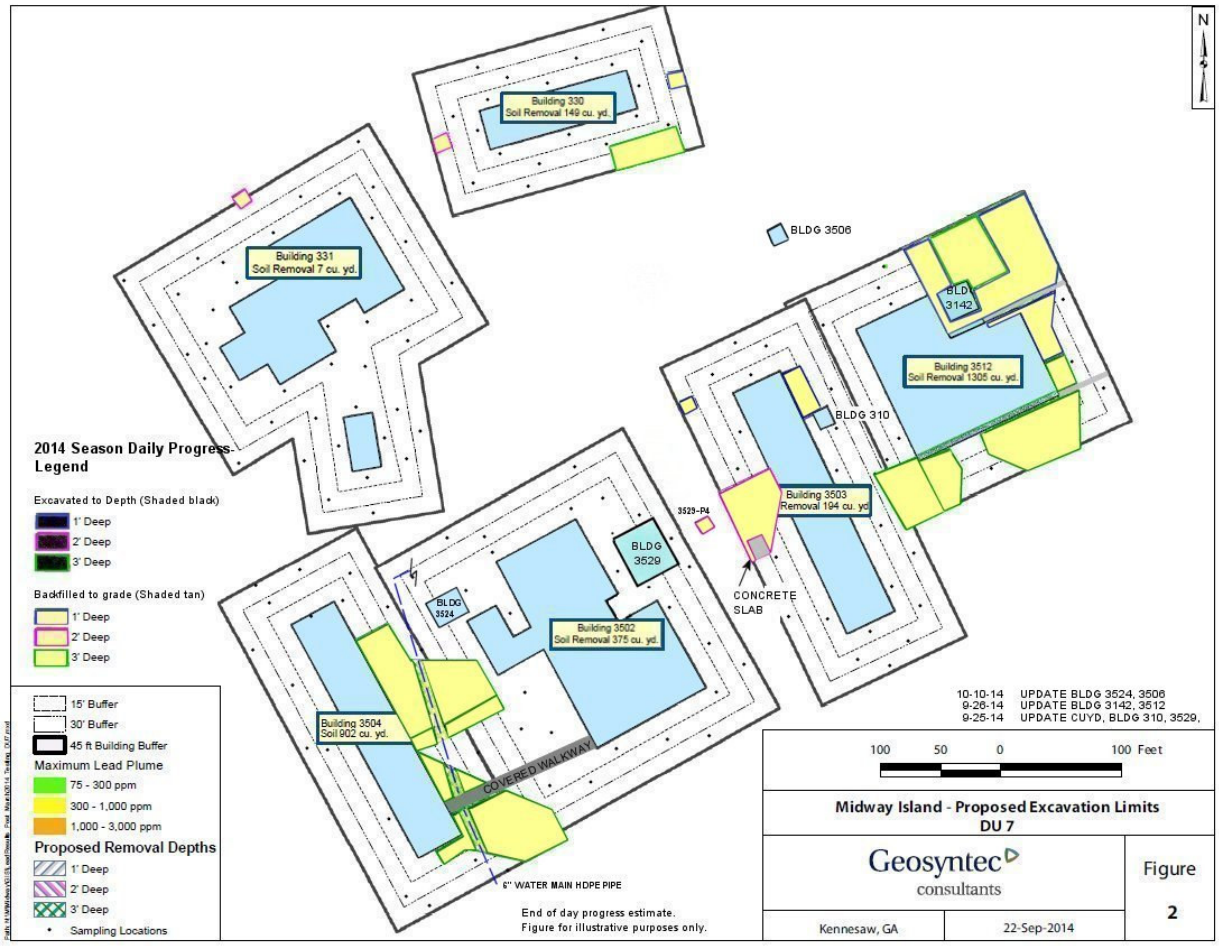
400-P1 0-6”	400-P2 0-6”	400-P3 0-6”
400-P1 12-18”	400-P2 12-18”	400-P3 12-18”
400-P1 24-30”	400-P2 24-30”	400-P3 24-30”
425-P1 0-6”	425-P2 0-6”	426-P1 0-6”
425-P1 12-18” refusal asphalt	425-P2 12-18” refusal asphalt	426-P1 12-18”
425-P1 24-30” refusal asphalt	425-P2 24-30” refusal asphalt	426-P1 24-30”
3501-P2 0-6”	3501-P3 0-6”	3501-P7 0-6”
3501-P2 12-18”	3501-P3 12-18”	3501-P7 12-18”
3501-P2 24-30”	3501-P3 24-30”	3501-P7 24-30”
347-P1 0-6”	347-P3 0-6”	347-P6 0-6”
347-P1 12-18”	347-P3 12-18”	347-P6 12-18”
347-P1 24-30”	347-P3 24-30”	347-P6 24-30”
347-P7 0-6”	3126E-P1 0-6”	3127W-P1 0-6”
347-P7 12-18”	3126E-P1 12-18”	3127W-P1 12-18”
347-P7 24-30”	3126E-P1 24-30”	3127W-P1 24-30”

Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(1234 Building number) (P1 Boring location) (0-6” depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Sampled DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Monday, October 20, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Cloudy, intermittent rain, wind 14mph, Temperature ~74F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	9
Everett White	NWDE Supervisor	4
Dave Hard	NWDE Operator	4
Jevon Stone	NWDE Operator	4
Lauren Lewis	NWDE Operator	4
Dale Christianson	NWDE Operator	4
Joel Smith	NWDE Operator	4
Mike Bays	NWDE Operator	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE conducts safety meeting.
Task work today focuses on wrapping up punch list items to depart Midway on the charter flight tomorrow. Supplies/ tools are cleaned and then stored in the shipping containers at the NAF area. NWDE crew also wraps up positioning the equipment and locking up the containers for the year.

1000 – The current R2 elevations for treated soil heights are measured and recorded.
The shade cloth is checked to verify placement and anchoring is adequate for the interim cover. Recent high winds have tested the cloth placement and the material remains in place. Additionally yesterday's rainfall of approximately 2" shows no sign of ponding in the R2 cell areas.

1200 – Lunch

1400 – Arrange logistics with DBSI for samples to be transported on tomorrow's flight from Midway to Honolulu.
Additional site details for the DU-9 Midway Water Plant figures are measured and recorded.

1600 – Final review and inspection of the DU-4, DU-7 and DU-5 work areas including the R2. The site tasks have been successfully completed for the 2014 season.

1630 – End of day

Photographs:

Photo 01: View east, R2 Cell 4 southwest corner tented shade cloth.

Photo 02: View north, R2 Cell 2,4 west wall entry berms.

Table 1. Maectite and Treated Soil Total Estimates

	Maectite Totals				**Treated Soil Totals**[1,2]		
	Applied Today (gal)			Total to Date	Excavated and Hauled to R-2 Unit **Today**		Excavated and Hauled to R-2 Unit **Total to Date**
Date	Soils (DU4)	Soils (DU7)	Walls (DU7)	(gal)	Load	^{3}yds[1]	^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
10/16/14	0	0	0	3973	0	0	5234
10/17/14	0	0	0	3973	0	0	5234
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Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
10/16/14	0	0	2520
10/17/14	0	0	2520
--	--	--	--
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2] Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
10/16/14	0	0	2970
10/17/14	0	0	2970
--	--	--	--
Total to date- 198 loads			

Notes:
1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	1	0	0
10/16/14	0	0	0	0	0
10/17/14	0	0	0	0	0
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Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S-361, 5341A, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	S30A, 520, 5295, S-5296	15
	3514, 4201, S-464, 502, 5340 [1]	
Total to date	32 Buildings	155

Notes: 1. Edit- S30A tanks at Fuel Farm were not Maectite treated.
Bldg 4201, S464 (Fuel Farm) were treated with Maectite.
Bldg 3514 near (Empire Café) was Maectite treated.
Bldgs 5341A, 502, 5340 were Maectite treated.

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
10/16/14	0	0	0	0
10/17/14	0	0	0	0
--	--	--	--	--
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 82
Samples collected to date: 241
Depth refusals to date: 8

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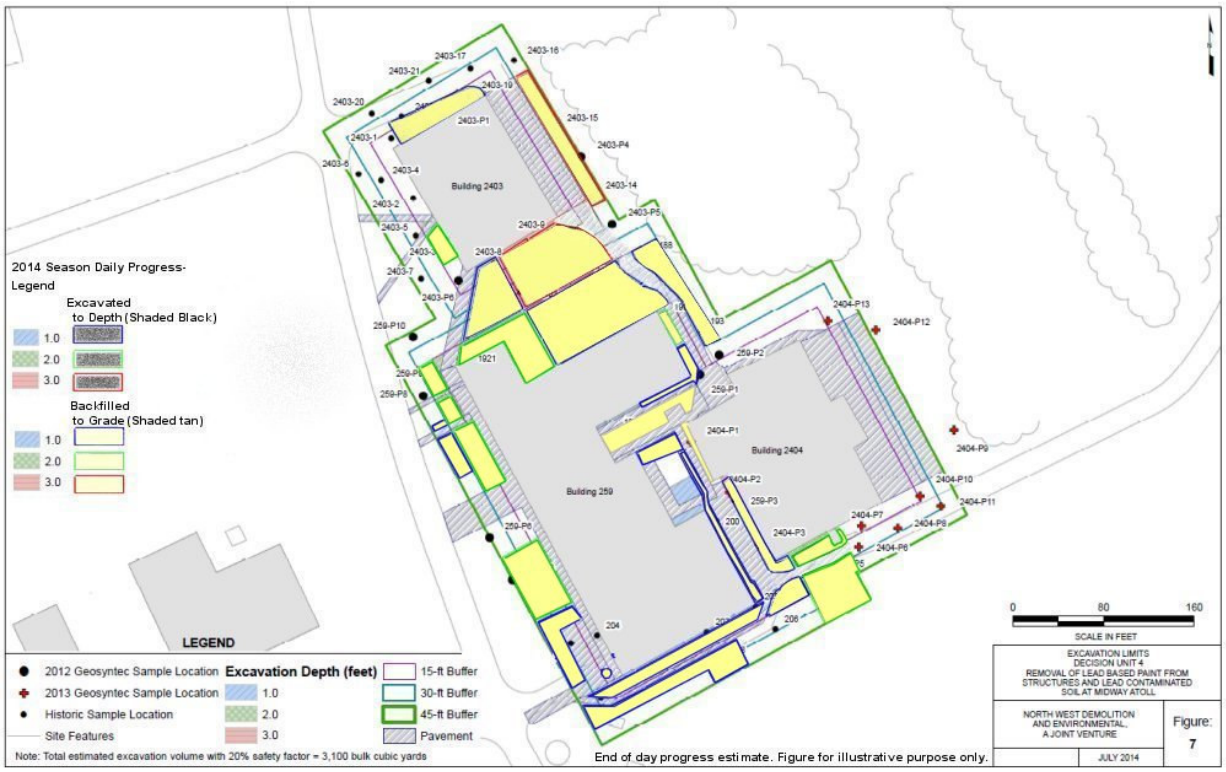
Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(1234 Building number) (P1 Boring location) (0-6" depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7

Map 3- Fire Hydrants Sampled DU-9

NW Demolition and Environmental
A Joint Venture

Daily Field Report

Date: Tuesday, October 21, 2014
Prepared by: Scott Wakefield

Project: Abatement of Asbestos, Lead Based Paint from Structures and Lead Contaminated Soil
Location: Midway Atoll National Wildlife Refuge
Client: US Fish and Wildlife Service

Weather: Fair, wind 5mph, Temperature ~80F.

Personnel:

Name	Company	Site Hours
Scott Wakefield	NWDE Field Oversight	0
Everett White	NWDE Supervisor	0
Dave Hard	NWDE Operator	0
Jevon Stone	NWDE Operator	0
Lauren Lewis	NWDE Operator	0
Dale Christianson	NWDE Operator	0
Joel Smith	NWDE Operator	0
Mike Bays	NWDE Operator	0

Visitors/Additional Site Personnel:

Name	Title
MaryAnn Amann	U.S. FWS

Equipment:

Description	Model No.	Comments
Pickup Truck	F350 Service Truck	NWDE
Flatbed Truck	Ford 450	NWDE
Container Truck	Peterbuilt	NWDE
Skid Steer	Bobcat S185	NWDE
Tracked Skid Steer	Bobcat T750	NWDE
Mini-Excavator	CAT 308	NWDE
2 – Excavator	Volvo EC290BLC	NWDE
2 – Off road Dump Truck	Volvo A30D	NWDE

Materials Delivered:

Description	QTY	Condition/Comments
Diesel	0 gallons	
Gasoline	0 gallons	

Description of Work:

0700 – NWDE prepares for departing Midway on the scheduled charter flight back to Honolulu.

1130 – The G2 jet departs PMDY. Onsite work for the 2014 season comes to a close.

Photographs:

Photo 01: G2 charter flight.

Table 1. Maectite and Treated Soil Total Estimates

Date	Maectite Totals: Applied Today (gal) Soils (DU4)	Soils (DU7)	Walls (DU7)	Total to Date (gal)	Treated Soil Totals[1,2]: Excavated and Hauled to R-2 Unit **Today** Load	^{3}yds[1]	Excavated and Hauled to R-2 Unit **Total to Date** ^{3}yds[1]
10/13/14	0	0	0	3973	0	0	5234
10/14/14	0	0	0	3973	0	0	5234
10/15/14	0	0	0	3973	0	0	5234
10/16/14	0	0	0	3973	0	0	5234
10/17/14	0	0	0	3973	0	0	5234
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Total to Date	1582 soil	2295 soil	96 walls				

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Soil treatment with Maectite and hauling to R2 may not occur on the same day.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 2. Clean Backfill Total Estimates

Date /Loads		DU4 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2520
10/14/14	0	0	2520
10/15/14	0	0	2520
10/16/14	0	0	2520
10/17/14	0	0	2520
--	--	--	--
Total to date- 168 loads			

Date /Loads		DU7 Clean Backfill Totals[2]: Excavated and Placed Today in DU4 (cyd) Cargo Pier Source Area	Total to Date in DU4 (cyd)
10/13/14	0	0	2970
10/14/14	0	0	2970
10/15/14	0	0	2970
10/16/14	0	0	2970
10/17/14	0	0	2970
--	--	--	--
Total to date- 198 loads			

Notes: 1. Estimates are based on the number of gallons of Maectite applied.
2. Estimate is based on an average 15 CY of soil per truck load.

DU 4 – Bldg 2404, Bldg 259 Midway Bowl, Store, Library, Theater, Bldg 2403
DU 7 – Bldg 3504, Bldg 3502, Bldg 3503, Bldg 3512, Bldg 331, Bldg 330, Bldg 3524, Bldg 3529, Bldg 310, Bldg 3506, Bldg 3142

Table 3. Weekly Load Estimates

Date	Treated Concrete Loads	Clean Concrete Loads	Metal Debris Loads	Clean Wood Loads	DU4 /DU7 Wood Into R2
10/13/14	0	0	0	0	0
10/14/14	0	0	0	0	0
10/15/14	0	0	1	0	0
10/16/14	0	0	0	0	0
10/17/14	0	0	0	0	0
--	--	--	--	--	--

Table 4. Weekly DU-9 Estimates

Date	DU-9 Maectite Bldg in place. Quantity - Bldg I.D.	DU-9 Maectite applied today
		Gallons
9/30/14	Six- 2411,300,2127,269,170,180	40
10/1/14	Eight – S1119, S1123, 9149, 340, 3509, 3511, 5350, 503	50
10/2/14	Nine – 5301, S-361, 5341A, 5339, 5378, 5341, 4214, 5361, 5360,5126	50
10/3/14	S30A, 520, 5295, S-5296	15
	3514, 4201, S-464, 502, 5340 [1]	
Total to date	32 Buildings	155

Notes: 1. Edit- S30A tanks at Fuel Farm were not Maectite treated.
Bldg 4201, S464 (Fuel Farm) were treated with Maectite.
Bldg 3514 near (Empire Café) was Maectite treated.
Bldgs 5341A, 502, 5340 were Maectite treated.

Table 5. Weekly DU-3 / DU-5 Estimates

Date	DU-3 Shade Cloth Install		DU-5 Shade Cloth placed	
	Rolls[1]	Birds	Rolls[1]	Birds
10/13/14	3	8	0	0
10/14/14	0.7	2	0	0
10/15/14	0	0	0	0
10/16/14	0	0	0	0
10/17/14	0	0	0	0
--	--	--	--	--
Total to date	10	87	6	15

Notes: 1. Shade cloth rolls are 20' W x 300' L.

DU 3 – Bldg 4203, 4204, 4208, 4210,414, 415, 416, 417, 418, 419, 421, 422, 423, 424
DU 5 – Bldg 5309 Transmitter, 5303 R2.
DU 9 – Storage buildings, pump houses, lift stations and other ancillary structures.

Table 6. Soil Sample Collection- Hand Auger

Zero P points / 0 samples collected today, 0 sample refused:

2014 Fall Season Summary[1]-
Total P points to date: 82
Samples collected to date: 241
Depth refusals to date: 8

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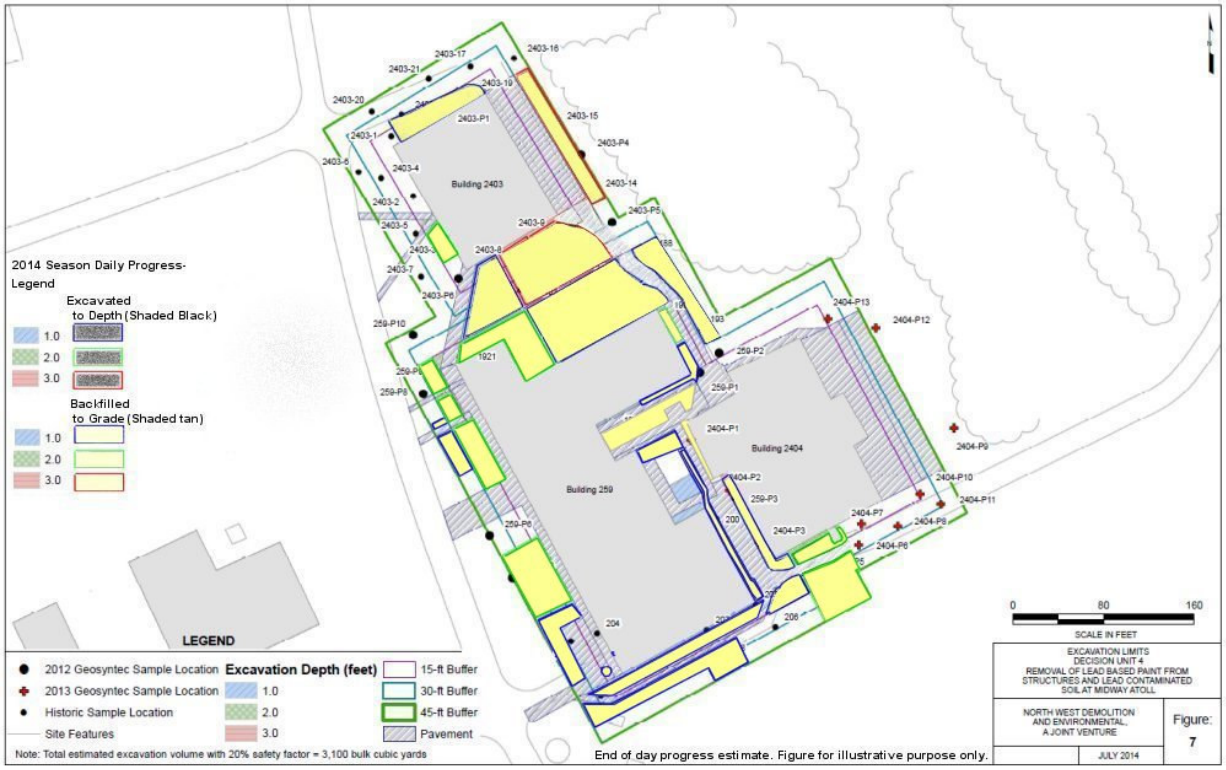
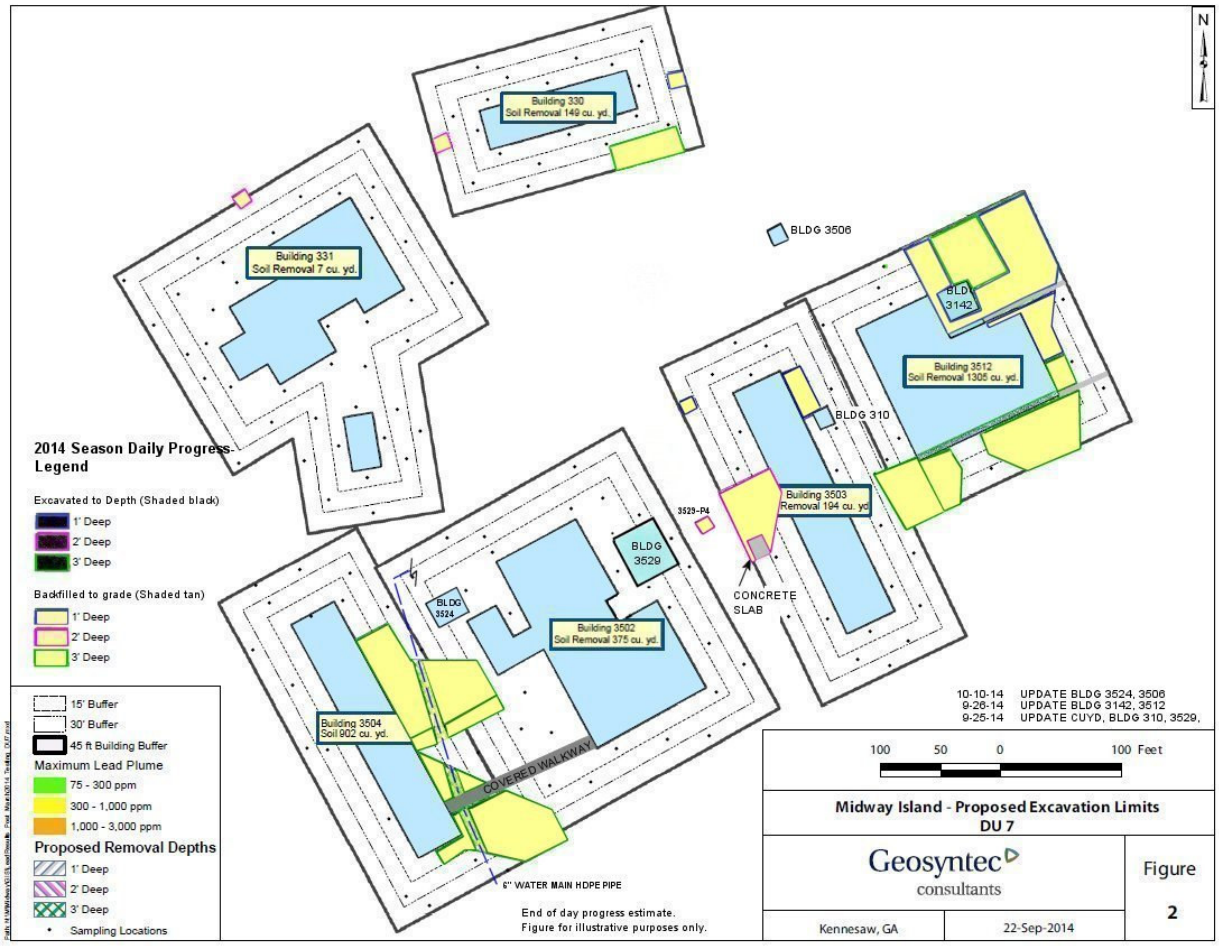
Notes:
1. Summary excludes Bldg 3529 Midway Laundry P1, P2, P3, P4.
2. 10-1-14 sample list incorrectly states Bldg 3503 P16 through P22. Correction is Bldg 5303 Transmitter for P16 to P22.
3. Sample description:
(1234 Building number) (P1 Boring location) (0-6" depth of sample)

Map 1- Excavation Limits DU-4



Map 2- Excavation Limits DU-7



Map 3- Fire Hydrants Sampled DU-9

APPENDIX B

SELECT SITE PHOTOGRAPHS AND SITE PHOTOGRAPH SUMMARY DVD

Photo 1: 9/9/14 – View west; Begin 2014 Season at R2 Cell 3 (foreground,) Cell 4 (background) removing interim shade cloth.

Photo 2: 9/10/14 – View north; Bldg 3504 BEQ D. LBP abatement by spray application of Maectite®, followed by lead scrape work prior to Lead Stop® lead encapsulating compound.

Photo 3: 9/11/14 – View southwest; Building 259. Excavation work of Maectite® treated soil.

Photo 4: 9/13/14 – View south; Building 3504 BEQ D. Application of Lead Stop® paint to exterior of building with airless painting equipment.

Photo 5: 9/13/14 – View northeast; Building 2403. Treatment and excavation of soil at specific depths with Maectite®.

Photo 6: 9/15/14 – View northwest; Building 3502. Lead Stop® paint is being applied to the exterior walls after Maectite® and lead scrape tasks.

Photo 7: 9/16/14 – View southeast; Building 259. Grids staked out for with steel T-posts for Maectite® application.

Photo 8: 9/16/14 – View northwest; Building 259. Smaller areas near courtyard have been treated and are being excavated and hauled to the R2 repository.

Photo 9: 9/17/14 – View southeast; Building 259. Grid areas have been treated with Maectite®, uniformly mixed and excavated to target depth.

Photo 10: 9/18/14 – View east; Building 2404 south wall. Liquid Maectite® reagent is applied to the soil based on calculations for each specifically measured area.

Photo 11: 9/19/14 – View east; Buildings 3503 (left,) 3502 Dining Hall (middle,) 3504 (right,) showing the white Lead Stop® paint applied to the exterior walls.

Photo 12: 9/20/14 – View west; Building 3512. Exterior preparation and treatment of the Gymnasium walls by spraying Maectite® and hand scraping lead as required.

Photo 13: 9/20/14 – View southwest; Building 259. Target depth for soil treatment and excavation near the Midway Naval Memorial located south of the Midway Bowl.

Photo 14: 9/22/14–View north; DU-7 area between Building 3504 (left) and 3502 Dining Hall (right.) Treated and mixed soil is being stockpiled and loaded into trucks for transport to the R2.

Photo 15: 9/23/14 – View north; Building 3504 BEQ D. Workers poly double bag and seal pipe lengths encountered within the excavation that are made of asbestos containing materials.

Photo 16: 9/24/14 – View west; Building 3504 BEQ D. Treatment and excavation to 3' bgs.

Photo 17: 9/25/14 – View southwest; Building 3512 Gymnasium. Spraying Lead Stop® paint.

Photo 18: 9/26/14 – View south; Building 3512 Gymnasium. Workers fold and roll up poly sheeting that has collected LBP debris during abatement activities.

Photo 19: 9/26/14 – View south; Building 3512 Gymnasium. Maectite® treated soil is loaded into off road dump trucks for transporting to the R2. Additionally, Lead Stop® painting is complete.

Photo 20: 9/27/14 – View north; Building 3504 BEQ D (left) and 3502 Dining Hall (right) shown with Lead Stop® paint applied to the exterior walls.

Photo 21: 9/29/14 – View northeast; New sandbags filled with clean coral sand at the borrow source Cargo Pier. This season over 2000 sandbags were filled to secure shade cloth as required.

Photo 22: 9/30/14 – View east; R2, Cell 4 is leveled off as treated soil is imported to the cell.

Photo 23: 10/1/14 – View north; the borrow source area for clean coral sand backfill. Excavation begins at the Fuel pier and progresses east towards the Cargo pier as needed.

Photo 24: 10/1/14 – View southeast; Building 259 excavation overview.

Photo 25: 10/1/14 – View southwest; Building 4204 Charlie barracks shade cloth placement.

Photo 26: 10/1/14 – View southwest; Building 3512 Gymnasium soil treatment and excavation limits overview.

Photo 27: 10/7/14 – View west; R2 interim cover/ trench drain feature covered with shade cloth.

Photo 28: 10/9/14 – View south; Clean coral sand excavated this season nearing the Cargo pier.

Photo 29: 10/9/14 – View south; Building 3504 BEQ D clean coral sand final backfill grade

Photo 30: 10/09/14 – View east; Building 3503 excavation being backfilled with clean coral sand.

Photo 31: 10/14/14 – View west; End of the 2014 Season at R2 Cell 3 (foreground left,) Cell 4 (background left) with interim shade cloth in place over treated soil.

Photo 32: 10/14/14 – View north; Building 5309 Transmitter. Shade cloth placed at the end of the season included DU-5 and DU-3 areas planned for 2015 season work.

APPENDIX C

FIELD PROCEDURES

APPENDIX C

FIELD PROCEDURES

This appendix describes the field procedures, field quality assurance/quality control (QA/QC) protocol, and the chemical testing program to be implemented during site activities. The field activities included the following activities:

- Collection of soil samples from hand tools;
- Collection of soil from hand augers;
- Location control;
- Decontamination procedures; and
- Handling of Investigation Derived Waste (IDW).

Collection of Soil Samples Using Hand Tools

Soil samples were collected from near-surface using tools such as spades, shovels, trowels, and scoops. At each sample location, hand tools were used to remove surface soil until the desired sample depth interval was reached. At that depth, a sample was collected using a stainless steel or plastic scoop. Representative soil samples were collected using this procedure with proper care. Chrome-plated tools were not be used.

If soil sample was a discrete sample, the sample was collected soil using a clean/decontaminated stainless-steel or plastic spoon. Composite soil samples were collected using a stainless-steel or plastic spoon, and transferred to a stainless steel or plastic bowl. The samples were mixed in the bowl to make a single sample.

Standard chain-of-custody procedures were observed during transport of the samples to the laboratory.

Collection of Soil Samples from Hand Augers

This system consists of an auger, a series of extensions, and a "T" handle. The auger is used to bore a hole to a desired sampling depth, and is then withdrawn. The sample is collected directly from the auger. The hand auger sampling procedure is summarized below:

- Attach the auger bit to a drill rod extension, and attach the "T" handle to the drill rod.
- Clear the area to be sampled of any surface debris (e.g., twigs, rocks, litter). It may be advisable to remove the first three to six inches of surface soil for an area approximately six inches in radius around the drilling location.

- Begin augering, periodically removing and depositing accumulated soils onto a plastic sheet near the hole. This prevents accidental brushing of loose material back down the borehole when removing the auger or adding drill rods. It also facilitates refilling the hole, and avoids possible contamination of the surrounding area.
- After reaching the desired depth, slowly and carefully remove the auger from the hole. When sampling directly from the auger, collect the sample after the auger is removed from the hole.
- Place the sample into a stainless steel, plastic, or other appropriate homogenization container, and mix thoroughly to obtain a homogenous sample representative of the entire sampling interval. Then, place the sample into appropriate, labeled containers and secure the caps tightly. If another sample is to be collected in the same hole, but at a greater depth, reattach the auger bit to the drill and assembly, and follow the steps above.
- Abandon the hole according to applicable regulations. Generally, shallow holes can simply be backfilled with the removed soil material.

Location Control

Geosyntec will record the position of each exploration by measuring the location to known site features.

Decontamination Procedures

The objective of the decontamination procedure was to minimize the potential for cross contamination between exploration locations and between individual samples within a specific exploration. Sampling equipment was decontaminated in accordance with the following procedures before each sampling attempt or measurement.

- Brush equipment with a wire brush, if necessary, to remove large particulate matter;
- Rinse with potable tap water;
- Wash with non-phosphate low pH solution of Citrinox® detergent and potable tap water; and
- Rinse with potable tap water.

Handling of Investigation-Derived Waste

IDW generated during the project included soil cuttings and decontamination water. Soil cuttings were placed back in the exploration in the order removed. Purge water was also discharge back to an area of the Decision Unit that is set for excavation. Disposable

items, such as sample bags, gloves and protective overalls and paper towels, were placed in plastic bags after use and deposited in trash receptacles for disposal.

Laboratory Analytical Plan

Laboratory analyses were conducted in accordance with EPA approved methods. The project utilized the laboratories accepted method detection limits as our reporting goals. All samples were analyzed for total lead in soil using EPA Method 6010 and multiple extraction procedure for lead.

TABLE D-1
2014 ADDITIONAL SOIL SAMPLING
RELATIVE PERCENT DIFFERENCES
MIDWAY ATOLL NWR

Sample Identification	Sample Date	Lead Concentration (mg/kg)	Relative Percent Difference
5309-P23 0-6	10/2/2014	170	13%
5309-P23 0-6 DUP		150	
5309-P23 12-18	10/2/2014	12	18%
5309-P23 12-18 DUP		10	
5309-P23 24-30	10/2/2014	2.1	33%
5309-P23 24-30 DUP		1.5	

Notes

1. Lead was analyzed by Environmental Protection Agency Method 6010B.
2. Results based on wet weight.

mg/kg - milligram per kilogram

APPENDIX D

ANALYTICAL REPORTS AND QUALITY ASSURANCE REPORTS

APPENDIX D

CHEMICAL ANALYTICAL DATA AND QA/QC REVIEW

Data quality for field sampling methods was based on measurement quality criteria listed in the Work Plan and were checked using analytical results of field duplicate samples. For chemical analyses, established precision and accuracy protocols, combined with those outlined in the Quality Assurance Project Plan (QAPP) suffice for analytical data quality. The laboratory's QA manager was responsible for maintaining the method-defined and QAPP-defined quality assurance/quality control (QA/QC) criteria.

Samples

All samples obtained for chemical analysis were transferred into clean sample containers. Soil samples were collected in plastic Whirl-Pak® bags. Whirl-Pak® bags are equipped with a built-in wire for self-closing and they include a puncture-proof tab. The bags are also designed with a built in write-on strip for labeling purposes. In addition, pre-printed labels were used for sample identification.

Sufficient sample volume was obtained for the laboratory to complete the method-specific quality control (QC) analyses. Possession of the samples was documented by the chain-of-custody. The chain-of-custody forms were signed and dated in the appropriate places by parties involved with a transfer of custody. Each container was labeled by the field technician to avoid the possibility of misidentification. Each sample label contained the project name, project number, field sample identification, and sample date and sample time.

Upon receipt at the analytical laboratory, each sample was logged into tracking system. Each sample was assigned a unique laboratory identification number used by the laboratory for analysis assignment, sample tracking and data reporting. Upon receipt of the samples at the laboratory, the following procedures were followed. The custody seals were broken, the chain-of-custody form was signed by the laboratory personnel, and the conditions of the samples were recorded on the form. The original chain-of-custody form remained with the laboratory and copies were returned to the relinquishing party.

Field Quality Control

Field quality control measures included the collection of duplicate as well as documentation of field measurements and observations and field instrument calibration.

Field Duplicate Samples

Field duplicate samples were collected at a minimum frequency of 1 for every 20 samples (5 percent) per sampling event. In total, 12 duplicates were collected during the field activities.

Duplicate samples were collected to assess matrix homogeneity, sampling procedures and laboratory analytical consistency. The field duplicates were analyzed by the same analytical methods used for primary samples. Relative percent differences (RPDs) for field duplicates were calculated to assess the data precision and accuracy and potential variability caused by sample handling. Tables 3 and D-1 summarize the RPDs. The RPDs between the primary and field duplicate soil samples range from 6 percent to 94 percent. Field duplicate precision is normally considered acceptable when the RPD is less than 35 percent. While some of the RPDs were above these criteria, this is not unexpected because of the potential for a "nugget effect" when sampling soils contaminated with lead based paint. The primary source of lead in the soils at Midway are associated with flaking lead based paint. As such, samples in close proximity (duplicates) may have higher RPDs due to the presence/absence of paint chips in a sample.

Documentation of Field Activities

Daily field activities, including observations, measurement data, and variations in field procedures were recorded on appropriate field forms. The original field forms are maintained in the Geosyntec office files. Copies of the completed forms were maintained in a binder and sequentially numbered field file for reference during field activities. Indelible ink was used for all documentation. Photographic documentation of field activities was performed as appropriate. The FWS was provided with copies of each daily field report and the photographic log.

Laboratory Quality Assurance

Analytical methods that were used for this project included total lead by EPA Method 6020 and multiple extraction procedure for lead.

Laboratory Quality Control

The laboratory maintains an internal quality assurance program as documented in its laboratory quality assurance manual. The laboratory uses a combination of blanks, surrogate recoveries, duplicates, matrix spike recoveries, matrix spike duplicate recoveries, blank spike recoveries and blank spike duplicate recoveries to evaluate the analytical results. The laboratory also uses data quality goals for individual chemicals or groups of chemicals based on the long-term performance of the test methods. The project team reviewed each analytical data packet and completed a QA/QC checklist for each analytical data packet. Overall, the data were of usable quality and no quality control issues were identified. A copy of the data review checklist is included in this Appendix.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pittsburgh
301 Alpha Drive
RIDC Park
Pittsburgh, PA 15238
Tel: (412)963-7058

TestAmerica Job ID: 180-39065-1
Client Project/Site: PNG0515 - Midway
Revision: 3

For:
Geosyntec Consultants, Inc.
621 Morrison Street
Suite 600
Portland, Oregon 97205

Attn: Joey Hickey

Kristine D. Allen

Authorized for release by:
3/3/2015 11:42:56 AM

Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 180-39065-1

Laboratory: TestAmerica Pittsburgh

Narrative

Job Narrative
180-39065-1

Comments
Report was revised 12-11-14 to correct sampling date.

Report was revised 03-03-15 to change the reporting formatter.

No additional comments.

Receipt
The samples were received on 10/23/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 14.9º C, 15.3º C and 15.4º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-15
California	State Program	9	2891	03-31-15
Connecticut	State Program	1	PH-0688	09-30-16
Florida	NELAP	4	E871008	06-30-15
Illinois	NELAP	5	002602	06-30-15
Kansas	NELAP	7	E-10350	03-31-15
Louisiana	NELAP	6	04041	06-30-15
New Hampshire	NELAP	1	203011	04-04-15
New Jersey	NELAP	2	PA005	06-30-15
New York	NELAP	2	11182	03-31-15
North Carolina (WW/SW)	State Program	4	434	12-31-15
Pennsylvania	NELAP	3	02-00416	04-30-15
South Carolina	State Program	4	89014	04-30-15
Texas	NELAP	6	T104704528	03-31-15
US Fish & Wildlife	Federal		LE94312A-1	11-30-15
USDA	Federal		P330-10-00139	05-23-16
Utah	NELAP	8	STLP	05-31-15
Virginia	NELAP	3	460189	09-14-15
West Virginia DEP	State Program	3	142	01-31-16
Wisconsin	State Program	5	998027800	08-31-15

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-02-16
California	State Program	9	2901	01-31-15 *
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
US Fish & Wildlife	Federal		LE192332-0	02-28-16
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-16 *

* Certification renewal pending - certification considered valid.

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-39065-1	R2/CELL3 0-6" (Day 1)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-2	R2/CELL3 0-6" (Day 2)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-3	R2/CELL3 0-6" (Day 3)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-4	R2/CELL3 0-6" (Day 4)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-5	R2/CELL3 0-6" (Day 5)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-6	R2/CELL3 0-6" (Day 6)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-7	R2/CELL3 0-6" (Day 7)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-8	R2/CELL3 0-6" (Day 8)	Solid	10/15/14 15:40	10/23/14 09:40
180-39065-9	R2/CELL3 0-6" (Day 9)	Solid	10/15/14 15:40	10/23/14 09:40

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Client Sample ID: R2/CELL3 0-6" (Day 1)

Lab Sample ID: 180-39065-1
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			100 g	2000 mL	125738	11/18/14 14:20	CA1	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126512	11/26/14 06:05	SLB	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126696	11/28/14 12:10	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 2)

Lab Sample ID: 180-39065-2
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			100 g	2000 mL	125884	11/19/14 16:45	CA1	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126512	11/26/14 06:05	SLB	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126696	11/28/14 12:36	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 3)

Lab Sample ID: 180-39065-3
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126285	11/24/14 14:56	CA1	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126512	11/26/14 06:05	SLB	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126696	11/28/14 12:46	RJR	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 4)

Lab Sample ID: 180-39065-4
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126541	11/25/14 08:40	SLM	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126888	12/02/14 06:05	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126978	12/02/14 13:04	RJG	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 5)

Lab Sample ID: 180-39065-5
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126698	11/27/14 07:55	SLM	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126888	12/02/14 06:06	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126978	12/02/14 13:14	RJG	TAL PIT
	Instrument ID: C									

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Client Sample ID: R2/CELL3 0-6" (Day 6)

Lab Sample ID: 180-39065-6

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126701	11/28/14 08:50	SLM	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	126888	12/02/14 06:06	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	126978	12/02/14 13:24	RJG	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 7)

Lab Sample ID: 180-39065-7

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126809	12/01/14 07:10	CA1	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	127210	12/04/14 09:47	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	127307	12/04/14 17:18	RJG	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 8)

Lab Sample ID: 180-39065-8

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	126949	12/02/14 10:51	SLM	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	127210	12/04/14 09:47	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	127307	12/04/14 17:29	RJG	TAL PIT
	Instrument ID: C									

Client Sample ID: R2/CELL3 0-6" (Day 9)

Lab Sample ID: 180-39065-9

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Leach	Leach	1320			1.0 g	2000 mL	127190	12/03/14 07:45	SLM	TAL PIT
Leach	Prep	3010A			50 mL	50 mL	127210	12/04/14 09:47	RJR	TAL PIT
Leach	Analysis	6010C		1	50 mL	50 mL	127307	12/04/14 17:39	RJG	TAL PIT
	Instrument ID: C									

Laboratory References:

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Analyst References:

Lab: TAL PIT

Batch Type: Leach

CA1 = Craig Addison

SLM = Sarah McCann

Batch Type: Prep

RJR = Ron Rosenbaum

SLB = Sandy Becker

Batch Type: Analysis

RJG = Rob Good

RJR = Ron Rosenbaum

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Client Sample ID: R2/CELL3 0-6" (Day 1)

Lab Sample ID: 180-39065-1
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:10	1

Client Sample ID: R2/CELL3 0-6" (Day 2)

Lab Sample ID: 180-39065-2
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:36	1

Client Sample ID: R2/CELL3 0-6" (Day 3)

Lab Sample ID: 180-39065-3
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:46	1

Client Sample ID: R2/CELL3 0-6" (Day 4)

Lab Sample ID: 180-39065-4
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:05	12/02/14 13:04	1

Client Sample ID: R2/CELL3 0-6" (Day 5)

Lab Sample ID: 180-39065-5
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:06	12/02/14 13:14	1

Client Sample ID: R2/CELL3 0-6" (Day 6)

Lab Sample ID: 180-39065-6
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:06	12/02/14 13:24	1

Client Sample ID: R2/CELL3 0-6" (Day 7)

Lab Sample ID: 180-39065-7
Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Client Sample ID: R2/CELL3 0-6" (Day 8)

Lab Sample ID: 180-39065-8

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:29	1

Client Sample ID: R2/CELL3 0-6" (Day 9)

Lab Sample ID: 180-39065-9

Date Collected: 10/15/14 15:40
Matrix: Solid
Date Received: 10/23/14 09:40

Method: 6010C - Metals (ICP) - Leach

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:39	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 180-126512/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 11:50	1

Lab Sample ID: LCS 180-126512/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	478		ug/L		96	80 - 120

Lab Sample ID: LCSD 180-126512/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	500	476		ug/L		95	80 - 120	0	20

Lab Sample ID: MB 180-126888/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:05	12/02/14 12:44	1

Lab Sample ID: LCS 180-126888/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	481		ug/L		96	80 - 120

Lab Sample ID: LCSD 180-126888/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	500	483		ug/L		97	80 - 120	0	20

Lab Sample ID: MB 180-127210/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 16:48	1

Lab Sample ID: LCS 180-127210/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	500	494		ug/L		99	80 - 120

Lab Sample ID: LCSD 180-127210/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			500	500		ug/L		100	80 - 120	1	20

Lab Sample ID: LB 180-125738/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:05	1

Lab Sample ID: LB 180-125884/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:21	1

Lab Sample ID: LB 180-126285/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126696 — **Prep Batch: 126512**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		11/26/14 06:05	11/28/14 12:41	1

Lab Sample ID: LB 180-126541/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:05	12/02/14 12:59	1

Lab Sample ID: LB 180-126698/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:06	12/02/14 13:09	1

Lab Sample ID: LB 180-126701/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 126978 — **Prep Batch: 126888**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/02/14 06:06	12/02/14 13:19	1

Lab Sample ID: LB 180-126809/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:13	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 180-126949/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:24	1

Lab Sample ID: LB 180-127190/2-B — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Leach**
Analysis Batch: 127307 — **Prep Batch: 127210**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<10		10		ug/L		12/04/14 09:47	12/04/14 17:34	1

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: PNG0515 - Midway

TestAmerica Job ID: 180-39065-1

Metals

Leach Batch: 125738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-1	R2/CELL3 0-6" (Day 1)	Leach	Solid	1320	
LB 180-125738/2-B	Method Blank	Leach	Solid	1320	

Leach Batch: 125884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-2	R2/CELL3 0-6" (Day 2)	Leach	Solid	1320	
LB 180-125884/2-B	Method Blank	Leach	Solid	1320	

Leach Batch: 126285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-3	R2/CELL3 0-6" (Day 3)	Leach	Solid	1320	
LB 180-126285/2-B	Method Blank	Leach	Solid	1320	

Prep Batch: 126512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-1	R2/CELL3 0-6" (Day 1)	Leach	Solid	3010A	125738
180-39065-2	R2/CELL3 0-6" (Day 2)	Leach	Solid	3010A	125884
180-39065-3	R2/CELL3 0-6" (Day 3)	Leach	Solid	3010A	126285
LB 180-125738/2-B	Method Blank	Leach	Solid	3010A	125738
LB 180-125884/2-B	Method Blank	Leach	Solid	3010A	125884
LB 180-126285/2-B	Method Blank	Leach	Solid	3010A	126285
LCS 180-126512/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 180-126512/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 180-126512/1-A	Method Blank	Total/NA	Solid	3010A	

Leach Batch: 126541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-4	R2/CELL3 0-6" (Day 4)	Leach	Solid	1320	
LB 180-126541/2-B	Method Blank	Leach	Solid	1320	

Analysis Batch: 126696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-1	R2/CELL3 0-6" (Day 1)	Leach	Solid	6010C	126512
180-39065-2	R2/CELL3 0-6" (Day 2)	Leach	Solid	6010C	126512
180-39065-3	R2/CELL3 0-6" (Day 3)	Leach	Solid	6010C	126512
LB 180-125738/2-B	Method Blank	Leach	Solid	6010C	126512
LB 180-125884/2-B	Method Blank	Leach	Solid	6010C	126512
LB 180-126285/2-B	Method Blank	Leach	Solid	6010C	126512
LCS 180-126512/2-A	Lab Control Sample	Total/NA	Solid	6010C	126512
LCSD 180-126512/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	126512
MB 180-126512/1-A	Method Blank	Total/NA	Solid	6010C	126512

Leach Batch: 126698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-5	R2/CELL3 0-6" (Day 5)	Leach	Solid	1320	
LB 180-126698/2-B	Method Blank	Leach	Solid	1320	

Leach Batch: 126701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-6	R2/CELL3 0-6" (Day 6)	Leach	Solid	1320	
LB 180-126701/2-B	Method Blank	Leach	Solid	1320	

Metals (Continued)

Leach Batch: 126809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-7	R2/CELL3 0-6" (Day 7)	Leach	Solid	1320	
LB 180-126809/2-B	Method Blank	Leach	Solid	1320	

Prep Batch: 126888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-4	R2/CELL3 0-6" (Day 4)	Leach	Solid	3010A	126541
180-39065-5	R2/CELL3 0-6" (Day 5)	Leach	Solid	3010A	126698
180-39065-6	R2/CELL3 0-6" (Day 6)	Leach	Solid	3010A	126701
LB 180-126541/2-B	Method Blank	Leach	Solid	3010A	126541
LB 180-126698/2-B	Method Blank	Leach	Solid	3010A	126698
LB 180-126701/2-B	Method Blank	Leach	Solid	3010A	126701
LCS 180-126888/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 180-126888/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 180-126888/1-A	Method Blank	Total/NA	Solid	3010A	

Leach Batch: 126949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-8	R2/CELL3 0-6" (Day 8)	Leach	Solid	1320	
LB 180-126949/2-B	Method Blank	Leach	Solid	1320	

Analysis Batch: 126978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-4	R2/CELL3 0-6" (Day 4)	Leach	Solid	6010C	126888
180-39065-5	R2/CELL3 0-6" (Day 5)	Leach	Solid	6010C	126888
180-39065-6	R2/CELL3 0-6" (Day 6)	Leach	Solid	6010C	126888
LB 180-126541/2-B	Method Blank	Leach	Solid	6010C	126888
LB 180-126698/2-B	Method Blank	Leach	Solid	6010C	126888
LB 180-126701/2-B	Method Blank	Leach	Solid	6010C	126888
LCS 180-126888/2-A	Lab Control Sample	Total/NA	Solid	6010C	126888
LCSD 180-126888/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	126888
MB 180-126888/1-A	Method Blank	Total/NA	Solid	6010C	126888

Leach Batch: 127190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-9	R2/CELL3 0-6" (Day 9)	Leach	Solid	1320	
LB 180-127190/2-B	Method Blank	Leach	Solid	1320	

Prep Batch: 127210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-7	R2/CELL3 0-6" (Day 7)	Leach	Solid	3010A	126809
180-39065-8	R2/CELL3 0-6" (Day 8)	Leach	Solid	3010A	126949
180-39065-9	R2/CELL3 0-6" (Day 9)	Leach	Solid	3010A	127190
LB 180-126809/2-B	Method Blank	Leach	Solid	3010A	126809
LB 180-126949/2-B	Method Blank	Leach	Solid	3010A	126949
LB 180-127190/2-B	Method Blank	Leach	Solid	3010A	127190
LCS 180-127210/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 180-127210/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 180-127210/1-A	Method Blank	Total/NA	Solid	3010A	

Metals (Continued)

Analysis Batch: 127307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-39065-7	R2/CELL3 0-6" (Day 7)	Leach	Solid	6010C	127210
180-39065-8	R2/CELL3 0-6" (Day 8)	Leach	Solid	6010C	127210
180-39065-9	R2/CELL3 0-6" (Day 9)	Leach	Solid	6010C	127210
LB 180-126809/2-B	Method Blank	Leach	Solid	6010C	127210
LB 180-126949/2-B	Method Blank	Leach	Solid	6010C	127210
LB 180-127190/2-B	Method Blank	Leach	Solid	6010C	127210
LCS 180-127210/2-A	Lab Control Sample	Total/NA	Solid	6010C	127210
LCSD 180-127210/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	127210
MB 180-127210/1-A	Method Blank	Total/NA	Solid	6010C	127210

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	1 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			Job / SDG No.:
Site: Midway Atoll	☐ 2 days			
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
1	5309-P16 0-6	-1	0-6	10/1/14	1327	C	Soil	1			X	No preservative. Soil analyzed wet weight
2	5309-P16 12-18	-2	12-18	10/1/14	1327	G	Soil	1			X	No preservative. Soil analyzed wet weight
3	5309-P16 24-30	-3	24-30	10/1/14	1327	G	Soil	1			X	No preservative. Soil analyzed wet weight
4	5309-P17 0-6 ~asphalt~		0-6					0				No preservative. Soil analyzed wet weight
5	5309-P17 12-18 ~asphalt~		12-18					0				No preservative. Soil analyzed wet weight
6	5309-P17 24-30 ~asphalt~		24-30					0				No preservative. Soil analyzed wet weight
7	5309-P18 0-6	-4	0-6	10/1/14	1345	C	Soil	1			X	No preservative. Soil analyzed wet weight
8	5309-P18 12-18	-5	12-18	10/1/14	1345	G	Soil	1			X	No preservative. Soil analyzed wet weight
9	5309-P18 24-30	-6	24-30	10/1/14	1345	G	Soil	1			X	No preservative. Soil analyzed wet weight
10	5309-P19 0-6	-7	0-6	10/1/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
11	5309-P19 12-18	-8	12-18	10/1/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
12	5309-P19 24-30	-9	24-30	10/1/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
13	5309-P20 0-6	-10	0-6	10/1/14	1525	C	Soil	1			X	No preservative. Soil analyzed wet weight
14	5309-P20 12-18	-11	12-18	10/1/14	1525	G	Soil	1			X	No preservative. Soil analyzed wet weight
15	5309-P20 24-30	-12	24-30	10/1/14	1525	G	Soil	1			X	No preservative. Soil analyzed wet weight
16	5309-P21 0-6	-13	0-6	10/1/14	1559	C	Soil	1			X	No preservative. Soil analyzed wet weight
17	5309-P21 12-18	-14	12-18	10/1/14	1559	G	Soil	1			X	No preservative. Soil analyzed wet weight
18	5309-P21 24-30	-15	24-30	10/1/14	1559	G	Soil	1			X	No preservative. Soil analyzed wet weight
19	5309-P22 0-6	-16	0-6	10/1/14	1655	C	Soil	1			X	No preservative. Soil analyzed wet weight
20	5309-P22 12-18	-17	12-18	10/1/14	1655	G	Soil	1			X	No preservative. Soil analyzed wet weight
21	5309-P22 24-30	-18	24-30	10/1/14	1655	G	Soil	1			X	No preservative. Soil analyzed wet weight
22	5309-P23 0-6	-19	0-6	10/2/14	1536	C	Soil	1			X	No preservative. Soil analyzed wet weight
23	5309-P23 12-18	-20	12-18	10/2/14	1536	G	Soil	1			X	No preservative. Soil analyzed wet weight
24	5309-P23 24-30	-21	24-30	10/2/14	1536	G	Soil	1			X	No preservative. Soil analyzed wet weight
25	5309-P23 0-6 DUP	-22	0-6	10/2/14	1539	C	Soil	1			X	No preservative. Soil analyzed wet weight
26	5309-P23 12-18 DUP	-23	12-18	10/2/14	1539	G	Soil	1			X	No preservative. Soil analyzed wet weight

#1
Cooler/TB Dig/IR cor 14.9 unc 15.8
Cooler Dsc _____ @ Lab
~~Wet/Packs~~ Packing
WCS FEDEX P.O.

(1) w/cs
Cooler/TB Dig/IR cor 15.4 unc 16.3
Cooler Dsc Bucket @ Lab
~~Wet/Packs~~ Packing None
Fed PO

Pack #2 (1) 14.3 w/cs TB 15.3 15.3/16.9
Cooler/TB Dig/IR cor 15.3 unc 16.9
Cooler Dsc Bucket @ Lab 15.3
~~Wet/Packs~~ Packing None

580-46089 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 [illegible]

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5/5/2015

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	2 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
27	5309-P23 24-30 DUP	-24	24-30	10/2/14	1539	G	Soil	1			X	No preservative. Soil analyzed wet weight
28	5309-P24 0-6	-25	0-6	10/2/14	1627	C	Soil	1			X	No preservative. Soil analyzed wet weight
29	5309-P24 12-18	-26	12-18	10/2/14	1627	G	Soil	1			X	No preservative. Soil analyzed wet weight
30	5309-P24 24-30	-27	24-30	10/2/14	1627	G	Soil	1			X	No preservative. Soil analyzed wet weight
31	5309-P25 0-6	-28	0-6	10/3/14	0750	C	Soil	1			X	No preservative. Soil analyzed wet weight
32	5309-P25 12-18	-29	12-18	10/3/14	0750	G	Soil	1			X	No preservative. Soil analyzed wet weight
33	5309-P25 24-30	-30	24-30	10/3/14	0750	G	Soil	1			X	No preservative. Soil analyzed wet weight
34	5309-P26 0-6	-31	0-6	10/3/14	0825	C	Soil	1			X	No preservative. Soil analyzed wet weight
35	5309-P26 12-18	-32	12-18	10/3/14	0825	G	Soil	1			X	No preservative. Soil analyzed wet weight
36	5309-P26 24-30	-33	24-30	10/3/14	0825	G	Soil	1			X	No preservative. Soil analyzed wet weight
37	DU-4 MIS (4) 0-2"	-34	0-2"	9/24/14	1340	C	Soil	1			X	No preservative. Soil analyzed wet weight
38	DU-4 MIS (4) 0-2" DUP	-35	0-2"	9/24/14	1417	C	Soil	1			X	No preservative. Soil analyzed wet weight
39	DU-4 MIS (2) 0-2"	-36	0-2"	9/26/14	1530	C	Soil	1			X	No preservative. Soil analyzed wet weight
40	DU-4 MIS (2) 0-2" DUP	-37	0-2"	9/26/14	1546	C	Soil	1			X	No preservative. Soil analyzed wet weight
41	DU-4 MIS (3) 0-2"	-38	0-2"	9/26/14	1244	C	Soil	1			X	No preservative. Soil analyzed wet weight
42	DU-4 MIS (3) 0-2" DUP	-39	0-2"	9/26/14	1325	C	Soil	1			X	No preservative. Soil analyzed wet weight
43	DU-4 MIS (5) 0-2"	-40	0-2"	9/26/14	0747	C	Soil	1			X	No preservative. Soil analyzed wet weight
44	DU-4 MIS (5) 0-2" DUP	-41	0-2"	9/26/14	0820	C	Soil	1			X	No preservative. Soil analyzed wet weight
45	DU-4 MIS (5) 0-2" TRIPLICATE	-42	0-2"	9/26/14	0848	C	Soil	1			X	No preservative. Soil analyzed wet weight
46	DU-4 MIS (1) 0-2"	-43	0-2"	9/27/14	0951	C	Soil	1			X	No preservative. Soil analyzed wet weight
47	DU-4 MIS (1) 0-2" DUP	-44	0-2"	9/27/14	1025	C	Soil	1			X	No preservative. Soil analyzed wet weight
48	DU-7 MIS (4) 0-2"	-45	0-2"	10/2/14	1010	C	Soil	1			X	No preservative. Soil analyzed wet weight
49	DU-7 MIS (4) 0-2" DUP	-46	0-2"	10/2/14	1141	C	Soil	1			X	No preservative. Soil analyzed wet weight
50	DU-7 MIS (5) 0-2"	-47	0-2"	10/2/14	1351	C	Soil	1			X	No preservative. Soil analyzed wet weight
51	DU-7 MIS (5) 0-2" DUP	-48	0-2"	10/2/14	1414	C	Soil	1			X	No preservative. Soil analyzed wet weight
52	DU-7 MIS (5) 0-2" TRIPLICATE	-49	0-2"	10/2/14	1431	C	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10-23-14 09:45
			Received in Laboratory by:	Company:	Date/Time:
			Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	3 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
53	DU-7 MIS (1) 0-2"	-50	0-2"	10/3/14	1415	C	Soil	1			X	No preservative. Soil analyzed wet weight
54	DU-7 MIS (1) 0-2" DUP	-51	0-2"	10/3/14	1440	C	Soil	1			X	No preservative. Soil analyzed wet weight
55	DU-7 MIS (2) 0-2"	-52	0-2"	10/4/14	0956	C	Soil	1			X	No preservative. Soil analyzed wet weight
56	DU-7 MIS (2) 0-2" DUP	-53	0-2"	10/4/14	1023	C	Soil	1			X	No preservative. Soil analyzed wet weight
57	DU-7 MIS (3) 0-2"	-54	0-2"	10/6/14	1533	C	Soil	1			X	No preservative. Soil analyzed wet weight
58	DU-7 MIS (3) 0-2" DUP	-55	0-2"	10/6/14	1605	C	Soil	1			X	No preservative. Soil analyzed wet weight
59	FH 48-P1 0-6"	-56	0-6"	10/9/14	1110	C	Soil	1			X	No preservative. Soil analyzed wet weight
60	FH 48-P1 12-18"	-57	12-18"	10/9/14	1110	G	Soil	1			X	No preservative. Soil analyzed wet weight
61	FH 48-P1 24-30"	-58	24-30"	10/9/14	1110	G	Soil	1			X	No preservative. Soil analyzed wet weight
62	FH 48-P2 0-6"	-59	0-6"	10/9/14	1134	C	Soil	1			X	No preservative. Soil analyzed wet weight
63	FH 48-P2 12-18"	-60	12-18"	10/9/14	1134	G	Soil	1			X	No preservative. Soil analyzed wet weight
64	FH 48-P2 24-30"	-61	24-30"	10/9/14	1134	G	Soil	1			X	No preservative. Soil analyzed wet weight
65	FH 48-P3 0-6"	-62	0-6"	10/9/14	1150	C	Soil	1			X	No preservative. Soil analyzed wet weight
66	FH 48-P3 12-18"	-63	12-18"	10/9/14	1150	G	Soil	1			X	No preservative. Soil analyzed wet weight
67	FH 48-P3 24-30"	-64	24-30"	10/9/14	1150	G	Soil	1			X	No preservative. Soil analyzed wet weight
68	FH 77-P1 0-6"	-65	0-6"	10/10/14	0931	C	Soil	1			X	No preservative. Soil analyzed wet weight
69	FH 77-P1 12-18"	-66	12-18"	10/10/14	0931	G	Soil	1			X	No preservative. Soil analyzed wet weight
70	FH 77-P1 24-30" ~refusal~		24-30"					0				No preservative. Soil analyzed wet weight
71	FH 77-P2 0-6"	-67	0-6"	10/10/14	1015	C	Soil	1			X	No preservative. Soil analyzed wet weight
72	FH 77-P2 12-18"	-68	12-18"	10/10/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
73	FH 77-P2 24-30"	-69	24-30"	10/10/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
74	FH 77-P3 0-6"	-70	0-6"	10/10/14	1041	C	Soil	1			X	No preservative. Soil analyzed wet weight
75	FH 77-P3 12-18"	-71	12-18"	10/10/14	1041	G	Soil	1			X	No preservative. Soil analyzed wet weight
76	FH 77-P3 24-30"	-72	24-30"	10/10/14	1041	G	Soil	1			X	No preservative. Soil analyzed wet weight
77	FH 54-P1 0-6"	-73	0-6"	10/10/14	1119	C	Soil	1			X	No preservative. Soil analyzed wet weight
78	FH 54-P1 12-18"	-74	12-18"	10/10/14	1119	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TA SEA	10/23/14 20.4°C 09:48

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	4 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
79	FH 54-P1 24-30"	-75	24-30"	10/10/14	1119	G	Soil	1			X	No preservative. Soil analyzed wet weight
80	FH 54-P2 0-6"	-76	0-6"	10/10/14	1145	C	Soil	1			X	No preservative. Soil analyzed wet weight
81	FH 54-P2 12-18"	-77	12-18"	10/10/14	1145	G	Soil	1			X	No preservative. Soil analyzed wet weight
82	FH 54-P2 24-30"	-78	24-30"	10/10/14	1145	G	Soil	1			X	No preservative. Soil analyzed wet weight
83	FH 54-P3 0-6"	-79	0-6"	10/10/14	1305	C	Soil	1			X	No preservative. Soil analyzed wet weight
84	FH 54-P3 12-18"	-80	12-18"	10/10/14	1305	G	Soil	1			X	No preservative. Soil analyzed wet weight
85	FH 54-P3 24-30"	-81	24-30"	10/10/14	1305	G	Soil	1			X	No preservative. Soil analyzed wet weight
86	FH 37-P1 0-6"	-82	0-6"	10/13/14	0846	C	Soil	1			X	No preservative. Soil analyzed wet weight
87	FH 37-P1 12-18"	-83	12-18"	10/13/14	0846	G	Soil	1			X	No preservative. Soil analyzed wet weight
88	FH 37-P1 24-30"	-84	24-30"	10/13/14	0846	G	Soil	1			X	No preservative. Soil analyzed wet weight
89	FH 37-P2 0-6"	-85	0-6"	10/13/14	0918	C	Soil	1			X	No preservative. Soil analyzed wet weight
90	FH 37-P2 12-18"	-86	12-18"	10/13/14	0918	G	Soil	1			X	No preservative. Soil analyzed wet weight
91	FH 37-P2 24-30"	-87	24-30"	10/13/14	0918	G	Soil	1			X	No preservative. Soil analyzed wet weight
92	FH 37-P3 0-6"	-88	0-6"	10/13/14	0945	C	Soil	1			X	No preservative. Soil analyzed wet weight
93	FH 37-P3 12-18"	-89	12-18"	10/13/14	0945	G	Soil	1			X	No preservative. Soil analyzed wet weight
94	FH 37-P3 24-30"	-90	24-30"	10/13/14	0945	G	Soil	1			X	No preservative. Soil analyzed wet weight
95	FH 44-P1 0-6"	-91	0-6"	10/13/14	1121	C	Soil	1			X	No preservative. Soil analyzed wet weight
96	FH 44-P1 12-18"	-92	12-18"	10/13/14	1121	G	Soil	1			X	No preservative. Soil analyzed wet weight
97	FH 44-P1 24-30"	-93	24-30"	10/13/14	1121	G	Soil	1			X	No preservative. Soil analyzed wet weight
98	FH 44-P2 0-6"	-94	0-6"	10/13/14	1303	C	Soil	1			X	No preservative. Soil analyzed wet weight
99	FH 44-P2 12-18"	-95	12-18"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
100	FH 44-P2 24-30"	-96	24-30"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
101	FH 44-P2 30-36"	-97	30-36"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
102	FH 44-P3 0-6"	-98	0-6"	10/13/14	1324	C	Soil	1			X	No preservative. Soil analyzed wet weight
103	FH 44-P3 12-18"	-99	12-18"	10/13/14	1324	G	Soil	1			X	No preservative. Soil analyzed wet weight
104	FH 44-P3 24-30"	-100	24-30"	10/13/14	1324	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible signature]	TASEA	10-23-14 09:48

Page 27 of 30

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	5 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
105	FH 24-P1 0-6"	-101	0-6"	10/13/14	1402	C	Soil	1			X	No preservative. Soil analyzed wet weight
106	FH 24-P1 12-18"	-102	12-18"	10/13/14	1402	G	Soil	1			X	No preservative. Soil analyzed wet weight
107	FH 24-P1 24-30"	-103	24-30"	10/13/14	1402	G	Soil	1			X	No preservative. Soil analyzed wet weight
108	FH 24-P2 0-6"	-104	0-6"	10/13/14	1427	C	Soil	1			X	No preservative. Soil analyzed wet weight
109	FH 24-P2 12-18"	-105	12-18"	10/13/14	1427	G	Soil	1			X	No preservative. Soil analyzed wet weight
110	FH 24-P2 24-30"	-106	24-30"	10/13/14	1427	G	Soil	1			X	No preservative. Soil analyzed wet weight
111	FH 24-P3 0-6"	-107	0-6"	10/13/14	1450	C	Soil	1			X	No preservative. Soil analyzed wet weight
112	FH 24-P3 12-18"	-108	12-18"	10/13/14	1450	G	Soil	1			X	No preservative. Soil analyzed wet weight
113	FH 24-P3 24-30"	-109	24-30"	10/13/14	1450	G	Soil	1			X	No preservative. Soil analyzed wet weight
114	FH 24-P3 0-6" DUP	-110	0-6"	10/13/14	1454	C	Soil	1			X	No preservative. Soil analyzed wet weight
115	FH 24-P3 12-18" DUP	-111	12-18"	10/13/14	1454	G	Soil	1			X	No preservative. Soil analyzed wet weight
116	FH 24-P3 24-30" DUP	-112	24-30"	10/13/14	1454	G	Soil	1			X	No preservative. Soil analyzed wet weight
117	FH 70-P1 0-6"	-113	0-6"	10/13/14	1550	C	Soil	1			X	No preservative. Soil analyzed wet weight
118	FH 70-P1 12-18"	-114	12-18"	10/13/14	1550	G	Soil	1			X	No preservative. Soil analyzed wet weight
119	FH 70-P1 24-30"	-115	24-30"	10/13/14	1550	G	Soil	1			X	No preservative. Soil analyzed wet weight
120	FH 70-P2 0-6"	-116	0-6"	10/13/14	1628	C	Soil	1			X	No preservative. Soil analyzed wet weight
121	FH 70-P2 12-18"	-117	12-18"	10/13/14	1628	G	Soil	1			X	No preservative. Soil analyzed wet weight
122	FH 70-P2 24-30"	-118	24-30"	10/13/14	1628	G	Soil	1			X	No preservative. Soil analyzed wet weight
123	FH 70-P3 0-6"	-119	0-6"	10/13/14	1638	C	Soil	1			X	No preservative. Soil analyzed wet weight
124	FH 70-P3 12-18"	-120	12-18"	10/13/14	1638	G	Soil	1			X	No preservative. Soil analyzed wet weight
125	FH 70-P3 24-30"	-121	24-30"	10/13/14	1638	G	Soil	1			X	No preservative. Soil analyzed wet weight
126	FH 02-P1 0-6"	-122	0-6"	10/14/14	0716	C	Soil	1			X	No preservative. Soil analyzed wet weight
127	FH 02-P1 12-18"	-123	12-18"	10/14/14	0716	G	Soil	1			X	No preservative. Soil analyzed wet weight
128	FH 02-P1 24-30"	-124	24-30"	10/14/14	0716	G	Soil	1			X	No preservative. Soil analyzed wet weight
129	FH 02-P2 0-6"	-125	0-6"	10/14/14	0743	C	Soil	1			X	No preservative. Soil analyzed wet weight
130	FH 02-P2 12-18"	-126	12-18"	10/14/14	0743	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	Ben Simpson	TASEA	10/23/14 09:48

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	6 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
131	FH 02-P2 24-30"	-127	24-30"	10/14/14	0743	G	Soil	1			X	No preservative. Soil analyzed wet weight
132	FH 02-P3 0-6"	-128	0-6"	10/14/14	0804	C	Soil	1			X	No preservative. Soil analyzed wet weight
133	FH 02-P3 12-18"	-129	12-18"	10/14/14	0804	G	Soil	1			X	No preservative. Soil analyzed wet weight
134	FH 02-P3 24-30"	-130	24-30"	10/14/14	0804	G	Soil	1			X	No preservative. Soil analyzed wet weight
135	3503-P25 0-6"	-131	0-6"	10/14/14	1310	C	Soil	1			X	No preservative. Soil analyzed wet weight
136	3503-P25 12-18"	-132	12-18"	10/14/14	1310	G	Soil	1			X	No preservative. Soil analyzed wet weight
137	3503-P25 24-30"	-133	24-30"	10/14/14	1310	G	Soil	1			X	No preservative. Soil analyzed wet weight
138	3503-P26 0-6"	-134	0-6"	10/14/14	1347	C	Soil	1			X	No preservative. Soil analyzed wet weight
139	3503-P26 12-18"	-135	12-18"	10/14/14	1347	G	Soil	1			X	No preservative. Soil analyzed wet weight
140	3503-P26 24-30"	-136	24-30"	10/14/14	1347	G	Soil	1			X	No preservative. Soil analyzed wet weight
141	3503-P27 0-6"	-137	0-6"	10/14/14	1415	C	Soil	1			X	No preservative. Soil analyzed wet weight
142	3503-P27 12-18"	-138	12-18"	10/14/14	1415	G	Soil	1			X	No preservative. Soil analyzed wet weight
143	3503-P27 24-30"	-139	24-30"	10/14/14	1415	G	Soil	1			X	No preservative. Soil analyzed wet weight
144	3503-P28 0-6"	-140	0-6"	10/14/14	1459	C	Soil	1			X	No preservative. Soil analyzed wet weight
145	3503-P28 12-18"	-141	12-18"	10/14/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
146	3503-P28 24-30"	-142	24-30"	10/14/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
147	3503-P29 0-6"	-143	0-6"	10/14/14	1523	C	Soil	1			X	No preservative. Soil analyzed wet weight
148	3503-P29 12-18"	-144	12-18"	10/14/14	1523	G	Soil	1			X	No preservative. Soil analyzed wet weight
149	3503-P29 24-30"	-145	24-30"	10/14/14	1523	G	Soil	1			X	No preservative. Soil analyzed wet weight
150	3502-P27 0-6"	-146	0-6"	10/15/14	0801	C	Soil	1			X	No preservative. Soil analyzed wet weight
151	3502-P27 12-18"	-147	12-18"	10/15/14	0801	G	Soil	1			X	No preservative. Soil analyzed wet weight
152	3502-P27 24-30"	-148	24-30"	10/15/14	0801	G	Soil	1			X	No preservative. Soil analyzed wet weight
153	3502-P28 0-6"	-149	0-6"	10/15/14	0842	C	Soil	1			X	No preservative. Soil analyzed wet weight
154	3502-P28 12-18"	-150	12-18"	10/15/14	0842	G	Soil	1			X	No preservative. Soil analyzed wet weight
155	3502-P28 24-30"	-151	24-30"	10/15/14	0842	G	Soil	1			X	No preservative. Soil analyzed wet weight
156	3502-P29 0-6"	-152	0-6"	10/15/14	0938	C	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: See final page for signed chain of custody for all pages	Company:	Date/Time:	Received by: David Buchli	Company: TA HNL	Date/Time: 10/21/14 1655 intact 27.2°C
Relinquished by: David Buchli	Company: TA HNL	Date/Time: 10/22/14 930	Received by: [illegible]	Company: TASEA	Date/Time: 10-23-14 [illegible]
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	7 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

~~40~~ 46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
157	3502-P29 12-18"	-153	12-18"	10/15/14	0938	G	Soil	1			X	No preservative. Soil analyzed wet weight
158	3502-P29 24-30"	-154	24-30"	10/15/14	0938	G	Soil	1			X	No preservative. Soil analyzed wet weight
159	3504-P28 0-6"	-155	0-6"	10/15/14	1016	C	Soil	1			X	No preservative. Soil analyzed wet weight
160	3504-P28 12-18"	-156	12-18"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
161	3504-P28 24-30"	-157	24-30"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
162	3504-P28 0-6" DUP	-158	0-6"	10/15/14	1016	C	Soil	1			X	No preservative. Soil analyzed wet weight
163	3504-P28 12-18" DUP	-159	12-18"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
164	3504-P28 24-30" DUP	-160	24-30"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
165	3504-P29 0-6"	-161	0-6"	10/15/14	1122	C	Soil	1			X	No preservative. Soil analyzed wet weight
166	3504-P29 12-18"	-162	12-18"	10/15/14	1122	G	Soil	1			X	No preservative. Soil analyzed wet weight
167	3504-P29 24-30"	-163	24-30"	10/15/14	1122	G	Soil	1			X	No preservative. Soil analyzed wet weight
168	5342-P1 0-6"	-164	0-6"	10/16/14	1128	C	Soil	1			X	No preservative. Soil analyzed wet weight
169	5342-P1 12-18"	-165	12-18"	10/16/14	1128	G	Soil	1			X	No preservative. Soil analyzed wet weight
170	5342-P1 24-30"	-166	24-30"	10/16/14	1128	G	Soil	1			X	No preservative. Soil analyzed wet weight
171	5342-P2 0-6"	-167	0-6"	10/16/14	1220	C	Soil	1			X	No preservative. Soil analyzed wet weight
172	5342-P2 12-18"	-168	12-18"	10/16/14	1220	G	Soil	1			X	No preservative. Soil analyzed wet weight
173	5342-P2 24-30"	-169	24-30"	10/16/14	1220	G	Soil	1			X	No preservative. Soil analyzed wet weight
174	5342-P3 0-6"	-170	0-6"	10/16/14	1246	C	Soil	1			X	No preservative. Soil analyzed wet weight
175	5342-P3 12-18"	-171	12-18"	10/16/14	1246	G	Soil	1			X	No preservative. Soil analyzed wet weight
176	5342-P3 24-30"	-172	24-30"	10/16/14	1246	G	Soil	1			X	No preservative. Soil analyzed wet weight
177	5342-P4 0-6"	-173	0-6"	10/16/14	1331	C	Soil	1			X	No preservative. Soil analyzed wet weight
178	5342-P4 12-18"	-174	12-18"	10/16/14	1331	G	Soil	1			X	No preservative. Soil analyzed wet weight
179	5342-P4 24-30"	-175	24-30"	10/16/14	1331	G	Soil	1			X	No preservative. Soil analyzed wet weight
180	5342-P5 0-6"	-176	0-6"	10/16/14	1405	C	Soil	1			X	No preservative. Soil analyzed wet weight
181	5342-P5 12-18"	-177	12-18"	10/16/14	1405	G	Soil	1			X	No preservative. Soil analyzed wet weight
182	5342-P5 24-30"	-178	24-30"	10/16/14	1405	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	~~TASEA~~	10/23/14 [illegible]
			Received in Laboratory by:	Company:	Date/Time:
			Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	8 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
183	5342-P6 0-6"	-179	0-6"	10/16/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
184	5342-P6 12-18"	-180	12-18"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
185	5342-P6 24-30"	-181	24-30"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
186	5342-P6 0-6" DUP	-182	0-6"	10/16/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
187	5342-P6 12-18" DUP	-183	12-18"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
188	5342-P6 24-30" DUP	-184	24-30"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
189	140-P1 0-6"	-185	0-6"	10/16/14	1635	C	Soil	1			X	No preservative. Soil analyzed wet weight
190	140-P1 12-18"	-186	12-18"	10/16/14	1635	G	Soil	1			X	No preservative. Soil analyzed wet weight
191	140-P1 24-30"	-187	24-30"	10/16/14	1635	G	Soil	1			X	No preservative. Soil analyzed wet weight
192	140-P2 0-6"	-188	0-6"	10/16/14	1701	C	Soil	1			X	No preservative. Soil analyzed wet weight
193	140-P2 12-18"	-189	12-18"	10/16/14	1701	G	Soil	1			X	No preservative. Soil analyzed wet weight
194	140-P2 24-30"	-190	24-30"	10/16/14	1701	G	Soil	1			X	No preservative. Soil analyzed wet weight
195	140-P3 0-6"	-191	0-6"	10/17/14	0746	C	Soil	1			X	No preservative. Soil analyzed wet weight
196	140-P3 12-18"	-192	12-18"	10/17/14	0746	G	Soil	1			X	No preservative. Soil analyzed wet weight
197	140-P3 24-30"	-193	24-30"	10/17/14	0746	G	Soil	1			X	No preservative. Soil analyzed wet weight
198	140-P4 0-6"	-194	0-6"	10/17/14	0810	C	Soil	1			X	No preservative. Soil analyzed wet weight
199	140-P4 12-18"	-195	12-18"	10/17/14	0810	G	Soil	1			X	No preservative. Soil analyzed wet weight
200	140-P4 24-30"	-196	24-30"	10/17/14	0810	G	Soil	1			X	No preservative. Soil analyzed wet weight
201	140-P5 0-6"	-197	0-6"	10/17/14	0837	C	Soil	1			X	No preservative. Soil analyzed wet weight
202	140-P5 12-18"	-198	12-18"	10/17/14	0837	G	Soil	1			X	No preservative. Soil analyzed wet weight
203	140-P5 24-30"	-199	24-30"	10/17/14	0837	G	Soil	1			X	No preservative. Soil analyzed wet weight
204	1124-P1 0-6"	-200	0-6"	10/17/14	0925	C	Soil	1			X	No preservative. Soil analyzed wet weight
205	1124-P1 12-18"	-201	12-18"	10/17/14	0925	G	Soil	1			X	No preservative. Soil analyzed wet weight
206	1124-P1 24-30"	-202	24-30"	10/17/14	0925	G	Soil	1			X	No preservative. Soil analyzed wet weight
207	1124-P2 0-6"	-203	0-6"	10/17/14	0951	C	Soil	1			X	No preservative. Soil analyzed wet weight
208	1124-P2 12-18"	-204	12-18"	10/17/14	0951	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: See final page for signed chain of custody for all pages	Company:	Date/Time:	Received by: David Buchli	Company: TA HNL	Date/Time: 10/21/14 1455 intact 27.2°C
Relinquished by: David Buchli	Company: TA HNL	Date/Time: 10/22/14 930	Received by: [illegible]	Company: 10/23/14	Date/Time: TASEA NO ICE 8:40
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	9 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
209	1124-P2 24-30"	-205	24-30"	10/17/14	0951	G	Soil	1			X	No preservative. Soil analyzed wet weight
210	1124-P3 0-6"	-206	0-6"	10/17/14	1015	C	Soil	1			X	No preservative. Soil analyzed wet weight
211	1124-P3 12-18"	-207	12-18"	10/17/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
212	1124-P3 24-30"	-208	24-30"	10/17/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
213	1124-P4 0-6"	-209	0-6"	10/17/14	1050	C	Soil	1			X	No preservative. Soil analyzed wet weight
214	1124-P4 12-18"	-210	12-18"	10/17/14	1050	G	Soil	1			X	No preservative. Soil analyzed wet weight
215	1124-P4 24-30"	-211	24-30"	10/17/14	1050	G	Soil	1			X	No preservative. Soil analyzed wet weight
216	1124-P5 0-6"	-212	0-6"	10/17/14	1125	C	Soil	1			X	No preservative. Soil analyzed wet weight
217	1124-P5 12-18"	-213	12-18"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
218	1124-P5 24-30"	-214	24-30"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
219	1124-P5 30-36"	-215	30-36"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
220	1124-P6 0-6"	-216	0-6"	10/17/14	1306	C	Soil	1			X	No preservative. Soil analyzed wet weight
221	1124-P6 12-18"	-217	12-18"	10/17/14	1306	G	Soil	1			X	No preservative. Soil analyzed wet weight
222	1124-P6 24-30"	-218	24-30"	10/17/14	1306	G	Soil	1			X	No preservative. Soil analyzed wet weight
223	TANK-P1 0-6"	-219	0-6"	10/17/14	1325	C	Soil	1			X	No preservative. Soil analyzed wet weight
224	TANK-P1 12-18"	-220	12-18"	10/17/14	1325	G	Soil	1			X	No preservative. Soil analyzed wet weight
225	TANK-P1 24-30"	-221	24-30"	10/17/14	1325	G	Soil	1			X	No preservative. Soil analyzed wet weight
226	TANK-P2 0-6"	-222	0-6"	10/17/14	1404	C	Soil	1			X	No preservative. Soil analyzed wet weight
227	TANK-P2 12-18"	-223	12-18"	10/17/14	1404	G	Soil	1			X	No preservative. Soil analyzed wet weight
228	TANK-P2 24-30"	-224	24-30"	10/17/14	1404	G	Soil	1			X	No preservative. Soil analyzed wet weight
229	TANK-P3 0-6"	-225	0-6"	10/17/14	1435	C	Soil	1			X	No preservative. Soil analyzed wet weight
230	TANK-P3 12-18"	-226	12-18"	10/17/14	1435	G	Soil	1			X	No preservative. Soil analyzed wet weight
231	TANK-P3 24-30"	-227	24-30"	10/17/14	1435	G	Soil	1			X	No preservative. Soil analyzed wet weight
232	TANK-P4 0-6"	-228	0-6"	10/17/14	1458	C	Soil	1			X	No preservative. Soil analyzed wet weight
233	TANK-P4 12-18"	-229	12-18"	10/17/14	1458	G	Soil	1			X	No preservative. Soil analyzed wet weight
234	TANK-P4 24-30"	-230	24-30"	10/17/14	1458	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 [illegible]

TestAmerica Seattle
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phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	10 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
235	400-P1 0-6"	-231	0-6"	10/18/14	0848	C	Soil	1			X	No preservative. Soil analyzed wet weight
236	400-P1 12-18"	-232	12-18"	10/18/14	0848	G	Soil	1			X	No preservative. Soil analyzed wet weight
237	400-P1 24-30"	-233	24-30"	10/18/14	0848	G	Soil	1			X	No preservative. Soil analyzed wet weight
238	400-P2 0-6"	-234	0-6"	10/18/14	0903	C	Soil	1			X	No preservative. Soil analyzed wet weight
239	400-P2 12-18"	-235	12-18"	10/18/14	0903	G	Soil	1			X	No preservative. Soil analyzed wet weight
240	400-P2 24-30"	-236	24-30"	10/18/14	0903	G	Soil	1			X	No preservative. Soil analyzed wet weight
241	400-P3 0-6"	-237	0-6"	10/18/14	0922	C	Soil	1			X	No preservative. Soil analyzed wet weight
242	400-P3 12-18"	-238	12-18"	10/18/14	0922	G	Soil	1			X	No preservative. Soil analyzed wet weight
243	400-P3 24-30"	-239	24-30"	10/18/14	0922	G	Soil	1			X	No preservative. Soil analyzed wet weight
244	425-P1 0-6"	-240	0-6"	10/18/14	0701	C	Soil	1			X	No preservative. Soil analyzed wet weight
245	425-P1 12-18"	-Refusal asphalt-	12-18"					0				No preservative. Soil analyzed wet weight
246	425-P1 24-30"	-Refusal asphalt-	24-30"					0				No preservative. Soil analyzed wet weight
247	425-P2 0-6"	-241	0-6"	10/18/14	0708	C	Soil	1			X	No preservative. Soil analyzed wet weight
248	425-P2 12-18"	-Refusal asphalt-	12-18"					0				No preservative. Soil analyzed wet weight
249	425-P2 24-30"	-Refusal asphalt-	24-30"					0				No preservative. Soil analyzed wet weight
250	426-P1 0-6"	-242	0-6"	10/18/14	0722	C	Soil	1			X	No preservative. Soil analyzed wet weight
251	426-P1 12-18"	-243	12-18"	10/18/14	0722	G	Soil	1			X	No preservative. Soil analyzed wet weight
252	426-P1 24-30"	-244	24-30"	10/18/14	0722	G	Soil	1			X	No preservative. Soil analyzed wet weight
253	3501-P2 0-6"	-245	0-6"	10/18/14	1459	C	Soil	1			X	No preservative. Soil analyzed wet weight
254	3501-P2 12-18"	-246	12-18"	10/18/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
255	3501-P2 24-30"	-247	24-30"	10/18/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
256	3501-P3 0-6"	-248	0-6"	10/18/14	1520	C	Soil	1			X	No preservative. Soil analyzed wet weight
257	3501-P3 12-18"	-249	12-18"	10/18/14	1520	G	Soil	1			X	No preservative. Soil analyzed wet weight
258	3501-P3 24-30"	-250	24-30"	10/18/14	1520	G	Soil	1			X	No preservative. Soil analyzed wet weight
259	3501-P7 0-6"	-251	0-6"	10/18/14	1437	C	Soil	1			X	No preservative. Soil analyzed wet weight
260	3501-P7 12-18"	-252	12-18"	10/18/14	1437	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.0°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 09:20
			Received in Laboratory by:	Company:	Date/Time:
			Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	11 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
261	3501-P7 24-30"	-253	24-30"	10/18/14	1437	G	Soil	1			X	No preservative. Soil analyzed wet weight
262	347-P1 0-6"	-254	0-6"	10/18/14	1238	C	Soil	1			X	No preservative. Soil analyzed wet weight
263	347-P1 12-18"	-255	12-18"	10/18/14	1238	G	Soil	1			X	No preservative. Soil analyzed wet weight
264	347-P1 24-30"	-refusal-	24-30"					0				No preservative. Soil analyzed wet weight
265	347-P3 0-6"	-256	0-6"	10/18/14	1318	C	Soil	1			X	No preservative. Soil analyzed wet weight
266	347-P3 12-18"	-257	12-18"	10/18/14	1318	G	Soil	1			X	No preservative. Soil analyzed wet weight
267	347-P3 24-30"	-258	24-30"	10/18/14	1318	G	Soil	1			X	No preservative. Soil analyzed wet weight
268	347-P6 0-6"	-259	0-6"	10/18/14	1340	C	Soil	1			X	No preservative. Soil analyzed wet weight
269	347-P6 12-18"	-260	12-18"	10/18/14	1340	G	Soil	1			X	No preservative. Soil analyzed wet weight
270	347-P6 24-30"	-261	24-30"	10/18/14	1340	G	Soil	1			X	No preservative. Soil analyzed wet weight
271	347-P7 0-6"	-262	0-6"	10/18/14	1410	C	Soil	1			X	No preservative. Soil analyzed wet weight
272	347-P7 12-18"	-263	12-18"	10/18/14	1410	G	Soil	1			X	No preservative. Soil analyzed wet weight
273	347-P7 24-30"	-264	24-30"	10/18/14	1410	G	Soil	1			X	No preservative. Soil analyzed wet weight
274	3127W-P1 0-6"	-265	0-6"	10/18/14	1632	C	Soil	1			X	No preservative. Soil analyzed wet weight
275	3127W-P1 12-18"	-266	12-18"	10/18/14	1632	G	Soil	1			X	No preservative. Soil analyzed wet weight
276	3127W-P1 24-30"	-267	24-30"	10/18/14	1632	G	Soil	1			X	No preservative. Soil analyzed wet weight
277	3126E-P2 0-6"	-268	0-6"	10/18/14	1607	C	Soil	1			X	No preservative. Soil analyzed wet weight
278	3126E-P2 12-18"	-269	12-18"	10/18/14	1607	G	Soil	1			X	No preservative. Soil analyzed wet weight
279	3126E-P2 24-30"	-270	24-30"	10/18/14	1607	G	Soil	1			X	No preservative. Soil analyzed wet weight
280	R2/CELL3 0-6"	-271	0-6"	10/15/14	1540	C	Soil	1			X	No preservative. Soil analyzed wet weight
281	TRIP BLANK	-272	---	---	---	voa	W	1			X	HCL
282	EQUIPMENT RINSATE	-273	---	10/18/14	1740	500ml	W	1			X	Nitric Acid
283	3503-CHIP A	-274	0-10"	10/16/14	1030	---	---	1			X	Loose paint chips, multi colors green, white,
284	3503-CHIP C	-275	0-10"	10/16/14	1035	---	---	1			X	Loose paint chips, multi colors green, white,
285		~~-276~~										
286												

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Scott WAKEFIELD S.WAKEFIELD	GEOSYNTEC	10-21-14/1655	David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TA HNL	10/23/14 09:40

3/3/2015

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 180-39065-1

Login Number: 39065

List Source: TestAmerica Pittsburgh

List Number: 1

Creator: Addison, Craig

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	
There are no discrepancies between the containers received and the COC.	False	-54 &-55
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-45455-1
Client Project/Site: Midway Soil Sampling 2014

For:
Geosyntec Consultants, Inc.
621 Morrison Street
Suite 600
Portland, Oregon 97205

Attn: Joey Hickey

Kristine D. Allen

Authorized for release by:
9/24/2014 2:50:30 PM

Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Job ID: 580-45455-1

Laboratory: TestAmerica Seattle

Narrative

Receipt

The samples were received on 9/18/2014 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.5º C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P4 0-6

Lab Sample ID: 580-45455-1

Date Collected: 09/15/14 15:13

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		1.2	0.12	mg/Kg		09/22/14 10:25	09/22/14 16:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P4 12-18

Lab Sample ID: 580-45455-2

Date Collected: 09/15/14 15:13

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	86		1.0	0.10	mg/Kg		09/22/14 10:25	09/22/14 16:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P4 24-30

Lab Sample ID: 580-45455-3

Date Collected: 09/15/14 15:13

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		1.4	0.14	mg/Kg		09/22/14 10:25	09/22/14 16:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P3 0-6

Lab Sample ID: 580-45455-4

Date Collected: 09/15/14 15:53

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		1.3	0.13	mg/Kg		09/22/14 10:25	09/22/14 16:19	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P3 12-18

Lab Sample ID: 580-45455-5

Date Collected: 09/15/14 15:53

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		1.4	0.14	mg/Kg		09/22/14 10:25	09/22/14 16:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P2 0-6

Lab Sample ID: 580-45455-6

Date Collected: 09/15/14 17:30

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		1.4	0.14	mg/Kg		09/22/14 10:25	09/22/14 16:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P2 12-18

Lab Sample ID: 580-45455-7

Date Collected: 09/15/14 17:30

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30		1.2	0.12	mg/Kg		09/22/14 10:25	09/22/14 17:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P2 24-30

Lab Sample ID: 580-45455-8

Date Collected: 09/15/14 17:30

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	69		1.2	0.12	mg/Kg		09/22/14 10:25	09/22/14 17:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P1 0-6

Lab Sample ID: 580-45455-9

Date Collected: 09/15/14 18:50

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		1.4	0.14	mg/Kg		09/22/14 10:25	09/22/14 17:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P1 12-18

Lab Sample ID: 580-45455-10

Date Collected: 09/15/14 18:50

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.9		1.3	0.13	mg/Kg		09/22/14 10:25	09/22/14 17:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P1 24-30

Lab Sample ID: 580-45455-11

Date Collected: 09/15/14 18:50

Matrix: Solid

Date Received: 09/18/14 09:50

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.2		1.0	0.10	mg/Kg		09/22/14 10:25	09/22/14 17:15	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-170404/18-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170453 — **Prep Batch: 170404**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		09/22/14 10:25	09/22/14 15:27	1

Lab Sample ID: LCS 580-170404/19-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170453 — **Prep Batch: 170404**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	51.9		mg/Kg		104	80 - 120		

Lab Sample ID: LCSD 580-170404/20-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170453 — **Prep Batch: 170404**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	51.1		mg/Kg		102	80 - 120	2	20

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P4 0-6 — Lab Sample ID: 580-45455-1

Date Collected: 09/15/14 15:13 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:09	HJM	TAL SEA

Client Sample ID: 3529-P4 12-18 — Lab Sample ID: 580-45455-2

Date Collected: 09/15/14 15:13 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:12	HJM	TAL SEA

Client Sample ID: 3529-P4 24-30 — Lab Sample ID: 580-45455-3

Date Collected: 09/15/14 15:13 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:16	HJM	TAL SEA

Client Sample ID: 3529-P3 0-6 — Lab Sample ID: 580-45455-4

Date Collected: 09/15/14 15:53 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:19	HJM	TAL SEA

Client Sample ID: 3529-P3 12-18 — Lab Sample ID: 580-45455-5

Date Collected: 09/15/14 15:53 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:23	HJM	TAL SEA

Client Sample ID: 3529-P2 0-6 — Lab Sample ID: 580-45455-6

Date Collected: 09/15/14 17:30 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 16:59	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Client Sample ID: 3529-P2 12-18 — Lab Sample ID: 580-45455-7

Date Collected: 09/15/14 17:30 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 17:02	HJM	TAL SEA

Client Sample ID: 3529-P2 24-30 — Lab Sample ID: 580-45455-8

Date Collected: 09/15/14 17:30 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 17:05	HJM	TAL SEA

Client Sample ID: 3529-P1 0-6 — Lab Sample ID: 580-45455-9

Date Collected: 09/15/14 18:50 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 17:09	HJM	TAL SEA

Client Sample ID: 3529-P1 12-18 — Lab Sample ID: 580-45455-10

Date Collected: 09/15/14 18:50 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 17:12	HJM	TAL SEA

Client Sample ID: 3529-P1 24-30 — Lab Sample ID: 580-45455-11

Date Collected: 09/15/14 18:50 — **Matrix: Solid**
Date Received: 09/18/14 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			170404	09/22/14 10:25	PAB	TAL SEA
Total/NA	Analysis	6010B		1	170453	09/22/14 17:15	HJM	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-113	07-25-15
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-14
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-45455-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-45455-1	3529-P4 0-6	Solid	09/15/14 15:13	09/18/14 09:50
580-45455-2	3529-P4 12-18	Solid	09/15/14 15:13	09/18/14 09:50
580-45455-3	3529-P4 24-30	Solid	09/15/14 15:13	09/18/14 09:50
580-45455-4	3529-P3 0-6	Solid	09/15/14 15:53	09/18/14 09:50
580-45455-5	3529-P3 12-18	Solid	09/15/14 15:53	09/18/14 09:50
580-45455-6	3529-P2 0-6	Solid	09/15/14 17:30	09/18/14 09:50
580-45455-7	3529-P2 12-18	Solid	09/15/14 17:30	09/18/14 09:50
580-45455-8	3529-P2 24-30	Solid	09/15/14 17:30	09/18/14 09:50
580-45455-9	3529-P1 0-6	Solid	09/15/14 18:50	09/18/14 09:50
580-45455-10	3529-P1 12-18	Solid	09/15/14 18:50	09/18/14 09:50
580-45455-11	3529-P1 24-30	Solid	09/15/14 18:50	09/18/14 09:50

45455

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 9/15/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	1 of 1 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☑ 1 week			
Site: Midway Island	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

	CLIENT SAMPLE IDENTIFICATION	SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
1	3529-P4 0-6	0-6	9/15/14	1513	C	Soil	1			X	No preservative. Soil analyzed wet weight
2	3529-P4 12-18	12-18	9/15/14	1513	G	Soil	1			X	No preservative. Soil analyzed wet weight
3	3529-P4 24-30	24-30	9/15/14	1513	G	Soil	1			X	No preservative. Soil analyzed wet weight
4	3529-P3 0-6	0-6	9/15/14	1553	C	Soil	1			X	No preservative. Soil analyzed wet weight
5	3529-P3 12-18	12-18	9/15/14	1553	G	Soil	1			X	No preservative. Soil analyzed wet weight
6	3529-P3 24-30 REFUSAL	24-30	9/15/14	1553	~~C~~	~~Soil~~	~~1~~			~~X~~	~~No preservative. Soil analyzed wet weight~~
7	3529-P2 0-6	0-6	9/15/14	1730	C	Soil	1			X	No preservative. Soil analyzed wet weight
8	3529-P2 12-18	12-18	9/15/14	1730	G	Soil	1			X	No preservative. Soil analyzed wet weight
9	3529-P2 24-30	24-30	9/15/14	1730	G	Soil	1			X	No preservative. Soil analyzed wet weight
10	3529-P1 0-6	0-6	9/15/14	1850	C	Soil	1			X	No preservative. Soil analyzed wet weight
11	3529-P1 12-18	12-18	9/15/14	1850	C	Soil	1			X	No preservative. Soil analyzed wet weight
12	3529-P1 24-30	24-30	9/15/14	1850	C	Soil	1			X	No preservative. Soil analyzed wet weight

580-45455 Chain of Custody

Cooler/TB Dig/IR cor 5.5 unc 5.4
Cooler Dsc [illegible] @Lab
Wet/Packs Packing Other
WIG FedEx P/O

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
SCOTT WAKEFIELD	GEOSYNTEC	09-16-14 09:00	[illegible]	NORTHWEST	9-16-14 09:00
[illegible]	NORTHWEST	09-16-14 1620	[illegible]	TA Kam	9/16/14 1620
[illegible]	TA Kam	9/17/14	Received in Laboratory by:	Company:	Date/Time: No Rec 232
[illegible]	TA Kam	9/17/14 1550	Received in Laboratory by: [illegible]	TA-SEA	9/18/14 950

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 580-45455-1

Login Number: 45455

List Source: TestAmerica Seattle

List Number: 1

Creator: McDaniel, Ronald T

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Not requested on COC.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

TestAmerica Job ID: 580-46089-1
Client Project/Site: Midway Soil Sampling 2014

For:
Geosyntec Consultants, Inc.
621 Morrison Street
Suite 600
Portland, Oregon 97205

Attn: Joey Hickey

Kristine D. Allen

Authorized for release by:
11/6/2014 5:38:06 PM

Kristine Allen, Manager of Project Management
(253)248-4970
kristine.allen@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Job ID: 580-46089-1

Laboratory: TestAmerica Seattle

Narrative

Job Narrative
580-46089-1

Comments
No additional comments.

Receipt
The samples were received on 10/23/2014 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 14.9º C, 15.3º C and 15.4º C.

Except:

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): DU-7 MIS (3) 0-2" (580-46089-54), DU-7 MIS (3) 0-2" DUP (580-46089-55). The container labels list a 7 in the parentheses [(7)] of the IDs while the COC lists a 3 in the parentheses [(3)] of the IDs. All other information matches. The samples are logged in per COC.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F3	Duplicate RPD exceeds the control limit
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P16 0-6

Lab Sample ID: 580-46089-1

Date Collected: 10/01/14 13:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 12:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P16 12-18

Lab Sample ID: 580-46089-2

Date Collected: 10/01/14 13:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.9		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 13:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P16 24-30

Lab Sample ID: 580-46089-3

Date Collected: 10/01/14 13:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.1	0.11	mg/Kg		10/29/14 08:45	10/29/14 13:17	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P18 0-6

Lab Sample ID: 580-46089-4

Date Collected: 10/01/14 13:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 13:21	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P18 12-18

Lab Sample ID: 580-46089-5

Date Collected: 10/01/14 13:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.31	J	1.1	0.11	mg/Kg		10/29/14 08:45	10/29/14 13:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P18 24-30
Date Collected: 10/01/14 13:45
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-6
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 13:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P19 0-6

Lab Sample ID: 580-46089-7

Date Collected: 10/01/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		1.4	0.14	mg/Kg		10/29/14 08:45	10/29/14 13:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P19 12-18
Date Collected: 10/01/14 14:44
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-8
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.2	0.12	mg/Kg		10/29/14 08:45	10/29/14 13:37	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P19 24-30
Date Collected: 10/01/14 14:44
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-9
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 13:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P20 0-6

Lab Sample ID: 580-46089-10

Date Collected: 10/01/14 15:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	35		1.4	0.14	mg/Kg		10/29/14 08:45	10/29/14 13:45	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P20 12-18

Lab Sample ID: 580-46089-11

Date Collected: 10/01/14 15:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.0	0.10	mg/Kg		10/29/14 08:45	10/29/14 13:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P20 24-30

Lab Sample ID: 580-46089-12

Date Collected: 10/01/14 15:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.2		1.0	0.10	mg/Kg		10/29/14 08:45	10/29/14 13:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P21 0-6

Lab Sample ID: 580-46089-13

Date Collected: 10/01/14 15:59

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 14:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P21 12-18

Lab Sample ID: 580-46089-14

Date Collected: 10/01/14 15:59

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.1	0.11	mg/Kg		10/29/14 08:45	10/29/14 14:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P21 24-30

Lab Sample ID: 580-46089-15

Date Collected: 10/01/14 15:59

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4		1.2	0.12	mg/Kg		10/29/14 08:45	10/29/14 14:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P22 0-6

Lab Sample ID: 580-46089-16

Date Collected: 10/01/14 16:55

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	44		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 14:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P22 12-18

Lab Sample ID: 580-46089-17

Date Collected: 10/01/14 16:55

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.8		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 14:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P22 24-30
Date Collected: 10/01/14 16:55
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-18
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3	0.13	mg/Kg		10/29/14 08:45	10/29/14 14:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 0-6

Lab Sample ID: 580-46089-19

Date Collected: 10/02/14 15:36

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 14:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 12-18

Lab Sample ID: 580-46089-20

Date Collected: 10/02/14 15:36

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 15:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 24-30
Date Collected: 10/02/14 15:36
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-21
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 15:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 0-6 DUP

Lab Sample ID: 580-46089-22

Date Collected: 10/02/14 15:39

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	150		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 15:22	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 12-18 DUP

Lab Sample ID: 580-46089-23

Date Collected: 10/02/14 15:39

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	10		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 15:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 24-30 DUP

Lab Sample ID: 580-46089-24

Date Collected: 10/02/14 15:39

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.5		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 15:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P24 0-6

Lab Sample ID: 580-46089-25

Date Collected: 10/02/14 16:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		1.1	0.11	mg/Kg		10/29/14 08:51	10/29/14 15:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P24 12-18

Lab Sample ID: 580-46089-26

Date Collected: 10/02/14 16:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.0		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 15:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P24 24-30

Lab Sample ID: 580-46089-27

Date Collected: 10/02/14 16:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.0		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 15:42	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P25 0-6

Lab Sample ID: 580-46089-28

Date Collected: 10/03/14 07:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	66		1.4	0.14	mg/Kg		10/29/14 08:51	10/29/14 15:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P25 12-18

Lab Sample ID: 580-46089-29

Date Collected: 10/03/14 07:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 15:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P25 24-30

Lab Sample ID: 580-46089-30

Date Collected: 10/03/14 07:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 16:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P26 0-6

Lab Sample ID: 580-46089-31

Date Collected: 10/03/14 08:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	87		1.1	0.11	mg/Kg		10/29/14 08:51	10/29/14 16:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P26 12-18

Lab Sample ID: 580-46089-32

Date Collected: 10/03/14 08:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.4		1.4	0.14	mg/Kg		10/29/14 08:51	10/29/14 16:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P26 24-30

Lab Sample ID: 580-46089-33

Date Collected: 10/03/14 08:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 16:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (4) 0-2"

Lab Sample ID: 580-46089-34

Date Collected: 09/24/14 13:40

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 16:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (4) 0-2" DUP

Lab Sample ID: 580-46089-35

Date Collected: 09/24/14 14:17

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		1.2	0.12	mg/Kg		10/29/14 08:51	10/29/14 16:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (2) 0-2"

Lab Sample ID: 580-46089-36

Date Collected: 09/26/14 15:30

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	12		1.3	0.13	mg/Kg		10/29/14 08:51	10/29/14 16:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (2) 0-2" DUP

Lab Sample ID: 580-46089-37

Date Collected: 09/26/14 15:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 22:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (3) 0-2"

Lab Sample ID: 580-46089-38

Date Collected: 09/26/14 12:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 23:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (3) 0-2" DUP

Lab Sample ID: 580-46089-39

Date Collected: 09/26/14 13:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 23:10	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (5) 0-2"

Lab Sample ID: 580-46089-40

Date Collected: 09/26/14 07:47

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.5		1.4	0.14	mg/Kg		10/29/14 09:53	10/29/14 23:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (5) 0-2" DUP

Lab Sample ID: 580-46089-41

Date Collected: 09/26/14 08:20

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.0		1.4	0.14	mg/Kg		10/29/14 09:53	10/29/14 23:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (5) 0-2" TRIPLICATE

Lab Sample ID: 580-46089-42

Date Collected: 09/26/14 08:48

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.1	0.11	mg/Kg		10/29/14 09:53	10/29/14 23:22	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (1) 0-2"

Lab Sample ID: 580-46089-43

Date Collected: 09/27/14 09:51

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		1.1	0.11	mg/Kg		10/29/14 09:53	10/29/14 23:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (1) 0-2" DUP

Lab Sample ID: 580-46089-44

Date Collected: 09/27/14 10:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.1		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 23:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (4) 0-2"

Lab Sample ID: 580-46089-45

Date Collected: 10/02/14 10:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		1.2	0.12	mg/Kg		10/29/14 09:53	10/29/14 23:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (4) 0-2" DUP

Lab Sample ID: 580-46089-46

Date Collected: 10/02/14 11:41

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 23:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (5) 0-2"

Lab Sample ID: 580-46089-47

Date Collected: 10/02/14 13:51

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.3		1.3	0.13	mg/Kg		10/29/14 09:53	10/29/14 23:48	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (5) 0-2" DUP

Lab Sample ID: 580-46089-48

Date Collected: 10/02/14 14:14

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.74	J	1.2	0.12	mg/Kg		10/29/14 09:53	10/29/14 23:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (5) 0-2" TRIPLICATE

Lab Sample ID: 580-46089-49

Date Collected: 10/02/14 14:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.6		1.2	0.12	mg/Kg		10/29/14 09:53	10/29/14 23:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (1) 0-2"

Lab Sample ID: 580-46089-50

Date Collected: 10/03/14 14:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.6		1.2	0.12	mg/Kg		10/29/14 09:53	10/30/14 00:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (1) 0-2" DUP

Lab Sample ID: 580-46089-51

Date Collected: 10/03/14 14:40

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.7		1.3	0.13	mg/Kg		10/29/14 09:53	10/30/14 00:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (2) 0-2"

Lab Sample ID: 580-46089-52

Date Collected: 10/04/14 09:56

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		1.1	0.11	mg/Kg		10/29/14 09:53	10/30/14 00:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (2) 0-2" DUP

Lab Sample ID: 580-46089-53

Date Collected: 10/04/14 10:23

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		1.2	0.12	mg/Kg		10/29/14 09:53	10/30/14 00:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (3) 0-2"

Lab Sample ID: 580-46089-54

Date Collected: 10/06/14 15:33

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		1.1	0.11	mg/Kg		10/29/14 09:53	10/30/14 00:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (3) 0-2" DUP

Lab Sample ID: 580-46089-55

Date Collected: 10/06/14 16:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	39		1.4	0.14	mg/Kg		10/29/14 13:42	10/30/14 15:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P1 0-6"

Lab Sample ID: 580-46089-56

Date Collected: 10/09/14 11:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.2	0.12	mg/Kg		10/29/14 13:42	10/30/14 15:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P1 12-18"

Lab Sample ID: 580-46089-57

Date Collected: 10/09/14 11:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.1	0.11	mg/Kg		10/29/14 13:42	10/30/14 15:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P1 24-30"

Lab Sample ID: 580-46089-58

Date Collected: 10/09/14 11:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	38		1.2	0.12	mg/Kg		10/29/14 13:42	10/30/14 16:00	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P2 0-6"

Lab Sample ID: 580-46089-59

Date Collected: 10/09/14 11:34

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		1.2	0.12	mg/Kg		10/29/14 13:42	10/30/14 16:10	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P2 12-18"

Lab Sample ID: 580-46089-60

Date Collected: 10/09/14 11:34

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21		1.1	0.11	mg/Kg		10/29/14 13:42	10/30/14 16:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P2 24-30"

Lab Sample ID: 580-46089-61

Date Collected: 10/09/14 11:34

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		1.4	0.14	mg/Kg		10/29/14 13:42	10/30/14 16:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P3 0-6"

Lab Sample ID: 580-46089-62

Date Collected: 10/09/14 11:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.3	0.13	mg/Kg		10/29/14 13:42	10/30/14 16:19	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P3 12-18"

Lab Sample ID: 580-46089-63

Date Collected: 10/09/14 11:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16		1.3	0.13	mg/Kg		10/29/14 13:42	10/30/14 16:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P3 24-30"

Lab Sample ID: 580-46089-64

Date Collected: 10/09/14 11:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.3	0.13	mg/Kg		10/29/14 13:42	10/30/14 16:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P1 0-6"

Lab Sample ID: 580-46089-65

Date Collected: 10/10/14 09:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.4	0.14	mg/Kg		10/29/14 13:42	10/30/14 16:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P1 12-18"

Lab Sample ID: 580-46089-66

Date Collected: 10/10/14 09:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	350		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 00:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P2 0-6"

Lab Sample ID: 580-46089-67

Date Collected: 10/10/14 10:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 01:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P2 12-18"

Lab Sample ID: 580-46089-68

Date Collected: 10/10/14 10:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 01:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P2 24-30"

Lab Sample ID: 580-46089-69

Date Collected: 10/10/14 10:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36		1.1	0.11	mg/Kg		10/29/14 14:15	10/30/14 01:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P3 0-6"

Lab Sample ID: 580-46089-70

Date Collected: 10/10/14 10:41

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	97		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 01:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P3 12-18"

Lab Sample ID: 580-46089-71

Date Collected: 10/10/14 10:41

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	120		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 01:28	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P3 24-30"

Lab Sample ID: 580-46089-72

Date Collected: 10/10/14 10:41

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 01:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P1 0-6"

Lab Sample ID: 580-46089-73

Date Collected: 10/10/14 11:19

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	67		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 01:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P1 12-18"

Lab Sample ID: 580-46089-74

Date Collected: 10/10/14 11:19

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 01:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P1 24-30"

Lab Sample ID: 580-46089-75

Date Collected: 10/10/14 11:19

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	35		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 01:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P2 0-6"

Lab Sample ID: 580-46089-76

Date Collected: 10/10/14 11:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	46		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 01:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P2 12-18"

Lab Sample ID: 580-46089-77

Date Collected: 10/10/14 11:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 01:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P2 24-30"

Lab Sample ID: 580-46089-78

Date Collected: 10/10/14 11:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		1.3	0.13	mg/Kg		10/29/14 14:15	10/30/14 02:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P3 0-6"

Lab Sample ID: 580-46089-79

Date Collected: 10/10/14 13:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		1.2	0.12	mg/Kg		10/29/14 14:15	10/30/14 02:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P3 12-18"

Lab Sample ID: 580-46089-80

Date Collected: 10/10/14 13:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 02:10	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P3 24-30"

Lab Sample ID: 580-46089-81

Date Collected: 10/10/14 13:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	40		1.2	0.12	mg/Kg		10/29/14 14:15	10/30/14 02:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P1 0-6"

Lab Sample ID: 580-46089-82

Date Collected: 10/13/14 08:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		1.2	0.12	mg/Kg		10/29/14 14:15	10/30/14 02:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P1 12-18"

Lab Sample ID: 580-46089-83

Date Collected: 10/13/14 08:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	390		1.4	0.14	mg/Kg		10/29/14 14:15	10/30/14 02:22	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P1 24-30"

Lab Sample ID: 580-46089-84

Date Collected: 10/13/14 08:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 16:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P2 0-6"

Lab Sample ID: 580-46089-85

Date Collected: 10/13/14 09:18

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 17:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P2 12-18"

Lab Sample ID: 580-46089-86

Date Collected: 10/13/14 09:18

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 17:17	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P2 24-30"

Lab Sample ID: 580-46089-87

Date Collected: 10/13/14 09:18

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	280		1.4	0.14	mg/Kg		10/29/14 14:48	10/30/14 17:21	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P3 0-6"

Lab Sample ID: 580-46089-88

Date Collected: 10/13/14 09:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	200		1.4	0.14	mg/Kg		10/29/14 14:48	10/30/14 17:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P3 12-18"

Lab Sample ID: 580-46089-89

Date Collected: 10/13/14 09:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 17:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P3 24-30"

Lab Sample ID: 580-46089-90

Date Collected: 10/13/14 09:45

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		1.4	0.14	mg/Kg		10/29/14 14:48	10/30/14 17:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P1 0-6"

Lab Sample ID: 580-46089-91

Date Collected: 10/13/14 11:21

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 17:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P1 12-18"

Lab Sample ID: 580-46089-92

Date Collected: 10/13/14 11:21

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 17:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P1 24-30"

Lab Sample ID: 580-46089-93

Date Collected: 10/13/14 11:21

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 17:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P2 0-6"

Lab Sample ID: 580-46089-94

Date Collected: 10/13/14 13:03

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 17:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P2 12-18"

Lab Sample ID: 580-46089-95

Date Collected: 10/13/14 13:03

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		1.1	0.11	mg/Kg		10/29/14 14:48	10/30/14 17:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P2 24-30"

Lab Sample ID: 580-46089-96

Date Collected: 10/13/14 13:03

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 17:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P2 30-36"

Lab Sample ID: 580-46089-97

Date Collected: 10/13/14 13:03

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.9		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 18:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P3 0-6"

Lab Sample ID: 580-46089-98

Date Collected: 10/13/14 13:24

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 18:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P3 12-18"

Lab Sample ID: 580-46089-99

Date Collected: 10/13/14 13:24

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.6		1.2	0.12	mg/Kg		10/29/14 14:48	10/30/14 18:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P3 24-30"

Lab Sample ID: 580-46089-100

Date Collected: 10/13/14 13:24

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.1		1.1	0.11	mg/Kg		10/29/14 14:48	10/30/14 18:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P1 0-6"

Lab Sample ID: 580-46089-101

Date Collected: 10/13/14 14:02

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	73		1.3	0.13	mg/Kg		10/29/14 14:48	10/30/14 18:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P1 12-18"

Lab Sample ID: 580-46089-102

Date Collected: 10/13/14 14:02

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	96		1.4	0.14	mg/Kg		10/30/14 09:47	10/31/14 21:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P1 24-30"

Lab Sample ID: 580-46089-103

Date Collected: 10/13/14 14:02

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22		1.3	0.13	mg/Kg		10/30/14 09:47	10/31/14 21:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P2 0-6"

Lab Sample ID: 580-46089-104

Date Collected: 10/13/14 14:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		1.2	0.12	mg/Kg		10/30/14 09:47	10/31/14 21:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P2 12-18"

Lab Sample ID: 580-46089-105

Date Collected: 10/13/14 14:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	86		1.4	0.14	mg/Kg		10/30/14 09:47	10/31/14 22:01	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P2 24-30"

Lab Sample ID: 580-46089-106

Date Collected: 10/13/14 14:27

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		1.2	0.12	mg/Kg		10/30/14 09:47	10/31/14 22:04	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 0-6"

Lab Sample ID: 580-46089-107

Date Collected: 10/13/14 14:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		1.3	0.13	mg/Kg		10/30/14 09:47	10/31/14 22:07	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 12-18"

Lab Sample ID: 580-46089-108

Date Collected: 10/13/14 14:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.3	0.13	mg/Kg		10/30/14 11:06	10/31/14 19:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 24-30"

Lab Sample ID: 580-46089-109

Date Collected: 10/13/14 14:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37		1.1	0.11	mg/Kg		10/30/14 11:06	10/31/14 19:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 0-6" DUP

Lab Sample ID: 580-46089-110

Date Collected: 10/13/14 14:54

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160		1.1	0.11	mg/Kg		10/30/14 11:06	10/31/14 19:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 12-18" DUP

Lab Sample ID: 580-46089-111

Date Collected: 10/13/14 14:54

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100		1.1	0.11	mg/Kg		10/30/14 11:06	10/31/14 19:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 24-30" DUP

Lab Sample ID: 580-46089-112

Date Collected: 10/13/14 14:54

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 19:42	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P1 0-6"

Lab Sample ID: 580-46089-113

Date Collected: 10/13/14 15:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 19:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P1 12-18"

Lab Sample ID: 580-46089-114

Date Collected: 10/13/14 15:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.4	0.14	mg/Kg		10/30/14 11:06	10/31/14 19:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P1 24-30"

Lab Sample ID: 580-46089-115

Date Collected: 10/13/14 15:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 19:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P2 0-6"

Lab Sample ID: 580-46089-116

Date Collected: 10/13/14 16:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	250		1.5	0.15	mg/Kg		10/30/14 11:06	10/31/14 19:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P2 12-18"

Lab Sample ID: 580-46089-117

Date Collected: 10/13/14 16:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	48		1.5	0.15	mg/Kg		10/30/14 11:06	10/31/14 19:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P2 24-30"

Lab Sample ID: 580-46089-118

Date Collected: 10/13/14 16:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	34		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 20:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P3 0-6"

Lab Sample ID: 580-46089-119

Date Collected: 10/13/14 16:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	170		1.5	0.15	mg/Kg		10/30/14 11:06	10/31/14 20:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P3 12-18"

Lab Sample ID: 580-46089-120

Date Collected: 10/13/14 16:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 20:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P3 24-30"

Lab Sample ID: 580-46089-121

Date Collected: 10/13/14 16:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	53		1.3	0.13	mg/Kg		10/30/14 11:06	10/31/14 20:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P1 0-6"

Lab Sample ID: 580-46089-122

Date Collected: 10/14/14 07:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110		1.4	0.14	mg/Kg		10/30/14 11:06	10/31/14 20:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P1 12-18"

Lab Sample ID: 580-46089-123

Date Collected: 10/14/14 07:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	89		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 20:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P1 24-30"

Lab Sample ID: 580-46089-124

Date Collected: 10/14/14 07:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.7		1.2	0.12	mg/Kg		10/30/14 11:06	10/31/14 20:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P2 0-6"

Lab Sample ID: 580-46089-125

Date Collected: 10/14/14 07:43

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180		1.1	0.11	mg/Kg		10/30/14 11:06	10/31/14 20:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P2 12-18"

Lab Sample ID: 580-46089-126

Date Collected: 10/14/14 07:43

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 22:28	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P2 24-30"

Lab Sample ID: 580-46089-127

Date Collected: 10/14/14 07:43

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	B	1.4	0.14	mg/Kg		10/30/14 11:31	10/31/14 22:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P3 0-6"

Lab Sample ID: 580-46089-128

Date Collected: 10/14/14 08:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 22:52	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P3 12-18"

Lab Sample ID: 580-46089-129

Date Collected: 10/14/14 08:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	84	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 22:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P3 24-30"

Lab Sample ID: 580-46089-130

Date Collected: 10/14/14 08:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.6	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 22:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P25 0-6"
Date Collected: 10/14/14 13:10
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-131
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P25 12-18"
Date Collected: 10/14/14 13:10
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-132
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.8	B	1.4	0.14	mg/Kg		10/30/14 11:31	10/31/14 23:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P25 24-30"
Date Collected: 10/14/14 13:10
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-133
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.0	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P26 0-6"
Date Collected: 10/14/14 13:47
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-134
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2000	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 23:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P26 12-18"
Date Collected: 10/14/14 13:47
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-135
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.9	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P26 24-30"
Date Collected: 10/14/14 13:47
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-136
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.0	J B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P27 0-6"
Date Collected: 10/14/14 14:15
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-137
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 23:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P27 12-18"
Date Collected: 10/14/14 14:15
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-138
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 23:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P27 24-30"
Date Collected: 10/14/14 14:15
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-139
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.3	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 23:35	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P28 0-6"
Date Collected: 10/14/14 14:59
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-140
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P28 12-18"
Date Collected: 10/14/14 14:59
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-141
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P28 24-30"
Date Collected: 10/14/14 14:59
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-142
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.5	B	1.3	0.13	mg/Kg		10/30/14 11:31	10/31/14 23:45	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P29 0-6"
Date Collected: 10/14/14 15:23
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-143
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28	B	1.2	0.12	mg/Kg		10/30/14 11:31	10/31/14 23:48	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P29 12-18"

Lab Sample ID: 580-46089-144

Date Collected: 10/14/14 15:23

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.8		1.4	0.14	mg/Kg		10/30/14 12:06	10/31/14 11:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P29 24-30"
Date Collected: 10/14/14 15:23
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-145
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	400		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 11:25	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P27 0-6"
Date Collected: 10/15/14 08:01
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-146
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		1.4	0.14	mg/Kg		10/30/14 12:06	10/31/14 11:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P27 12-18"
Date Collected: 10/15/14 08:01
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-147
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		1.2	0.12	mg/Kg		10/30/14 12:06	10/31/14 11:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P27 24-30"

Lab Sample ID: 580-46089-148

Date Collected: 10/15/14 08:01

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.2		1.2	0.12	mg/Kg		10/30/14 12:06	10/31/14 11:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P28 0-6"

Lab Sample ID: 580-46089-149

Date Collected: 10/15/14 08:42

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	61		1.2	0.12	mg/Kg		10/30/14 12:06	10/31/14 11:42	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P28 12-18"

Lab Sample ID: 580-46089-150

Date Collected: 10/15/14 08:42

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17		1.4	0.14	mg/Kg		10/30/14 12:06	10/31/14 11:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P28 24-30"

Lab Sample ID: 580-46089-151

Date Collected: 10/15/14 08:42

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.7		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 11:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P29 0-6"

Lab Sample ID: 580-46089-152

Date Collected: 10/15/14 09:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	85		1.2	0.12	mg/Kg		10/30/14 12:06	10/31/14 12:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P29 12-18"

Lab Sample ID: 580-46089-153

Date Collected: 10/15/14 09:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P29 24-30"

Lab Sample ID: 580-46089-154

Date Collected: 10/15/14 09:38

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	63		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:11	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 0-6"

Lab Sample ID: 580-46089-155

Date Collected: 10/15/14 10:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	95		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 12-18"

Lab Sample ID: 580-46089-156

Date Collected: 10/15/14 10:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.37	J	1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:19	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 24-30"
Date Collected: 10/15/14 10:16
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-157
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.15	J	1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 0-6" DUP

Lab Sample ID: 580-46089-158

Date Collected: 10/15/14 10:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	59		1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 12-18" DUP

Lab Sample ID: 580-46089-159

Date Collected: 10/15/14 10:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.60	J	1.3	0.13	mg/Kg		10/30/14 12:06	10/31/14 12:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 24-30" DUP

Lab Sample ID: 580-46089-160

Date Collected: 10/15/14 10:16

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 12:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P29 0-6"
Date Collected: 10/15/14 11:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-161
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		1.4	0.14	mg/Kg		10/30/14 12:39	10/31/14 13:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P29 12-18"
Date Collected: 10/15/14 11:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-162
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.2	0.12	mg/Kg		10/30/14 12:39	10/31/14 13:27	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P29 24-30"

Lab Sample ID: 580-46089-163

Date Collected: 10/15/14 11:22

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 13:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P1 0-6"

Lab Sample ID: 580-46089-164

Date Collected: 10/16/14 11:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		1.4	0.14	mg/Kg		10/30/14 12:39	10/31/14 13:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P1 12-18"

Lab Sample ID: 580-46089-165

Date Collected: 10/16/14 11:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 13:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P1 24-30"

Lab Sample ID: 580-46089-166

Date Collected: 10/16/14 11:28

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.2		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 13:45	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P2 0-6"

Lab Sample ID: 580-46089-167

Date Collected: 10/16/14 12:20

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190		1.2	0.12	mg/Kg		10/30/14 12:39	10/31/14 13:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P2 12-18"
Date Collected: 10/16/14 12:20
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-168
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 13:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P2 24-30"
Date Collected: 10/16/14 12:20
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-169
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 13:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P3 0-6"

Lab Sample ID: 580-46089-170

Date Collected: 10/16/14 12:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 14:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P3 12-18"

Lab Sample ID: 580-46089-171

Date Collected: 10/16/14 12:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62		1.2	0.12	mg/Kg		10/30/14 12:39	10/31/14 14:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P3 24-30"

Lab Sample ID: 580-46089-172

Date Collected: 10/16/14 12:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.4	0.14	mg/Kg		10/30/14 12:39	10/31/14 14:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P4 0-6"

Lab Sample ID: 580-46089-173

Date Collected: 10/16/14 13:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 14:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P4 12-18"

Lab Sample ID: 580-46089-174

Date Collected: 10/16/14 13:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36		1.4	0.14	mg/Kg		10/30/14 12:39	10/31/14 14:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P4 24-30"

Lab Sample ID: 580-46089-175

Date Collected: 10/16/14 13:31

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.6		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 14:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P5 0-6"

Lab Sample ID: 580-46089-176

Date Collected: 10/16/14 14:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	70		1.2	0.12	mg/Kg		10/30/14 12:39	10/31/14 14:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P5 12-18"

Lab Sample ID: 580-46089-177

Date Collected: 10/16/14 14:05

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		1.3	0.13	mg/Kg		10/30/14 12:39	10/31/14 14:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P5 24-30"
Date Collected: 10/16/14 14:05
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-178
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.3	0.13	mg/Kg		10/30/14 14:15	10/31/14 15:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 0-6"

Lab Sample ID: 580-46089-179

Date Collected: 10/16/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 16:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 12-18"

Lab Sample ID: 580-46089-180

Date Collected: 10/16/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 16:10	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 24-30"
Date Collected: 10/16/14 14:44
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-181
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.6		1.4	0.14	mg/Kg		10/30/14 14:15	10/31/14 16:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 0-6" DUP

Lab Sample ID: 580-46089-182

Date Collected: 10/16/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 12-18" DUP

Lab Sample ID: 580-46089-183

Date Collected: 10/16/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 16:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 24-30" DUP

Lab Sample ID: 580-46089-184

Date Collected: 10/16/14 14:44

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.9		1.4	0.14	mg/Kg		10/30/14 14:15	10/31/14 16:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P1 0-6"

Lab Sample ID: 580-46089-185

Date Collected: 10/16/14 16:35

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	39		1.4	0.14	mg/Kg		10/30/14 14:15	10/31/14 16:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P1 12-18"
Date Collected: 10/16/14 16:35
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-186
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24		1.3	0.13	mg/Kg		10/30/14 14:15	10/31/14 17:01	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P1 24-30"

Lab Sample ID: 580-46089-187

Date Collected: 10/16/14 16:35

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29		1.4	0.14	mg/Kg		10/30/14 14:15	10/31/14 17:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P2 0-6"

Lab Sample ID: 580-46089-188

Date Collected: 10/16/14 17:01

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	37		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P2 12-18"

Lab Sample ID: 580-46089-189

Date Collected: 10/16/14 17:01

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:19	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P2 24-30"

Lab Sample ID: 580-46089-190

Date Collected: 10/16/14 17:01

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.1		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P3 0-6"

Lab Sample ID: 580-46089-191

Date Collected: 10/17/14 07:46

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		1.3	0.13	mg/Kg		10/30/14 14:15	10/31/14 17:28	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P3 12-18"
Date Collected: 10/17/14 07:46
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-192
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.18	J	1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P3 24-30"
Date Collected: 10/17/14 07:46
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-193
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P4 0-6"

Lab Sample ID: 580-46089-194

Date Collected: 10/17/14 08:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41		1.3	0.13	mg/Kg		10/30/14 14:15	10/31/14 17:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P4 12-18"

Lab Sample ID: 580-46089-195

Date Collected: 10/17/14 08:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26		1.2	0.12	mg/Kg		10/30/14 14:15	10/31/14 17:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P4 24-30"
Date Collected: 10/17/14 08:10
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-196
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 00:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P5 0-6"
Date Collected: 10/17/14 08:37
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-197
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	51	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:31	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P5 12-18"

Lab Sample ID: 580-46089-198

Date Collected: 10/17/14 08:37

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	22	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P5 24-30"

Lab Sample ID: 580-46089-199

Date Collected: 10/17/14 08:37

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.4	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 00:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P1 0-6"

Lab Sample ID: 580-46089-200

Date Collected: 10/17/14 09:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 00:41	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P1 12-18"
Date Collected: 10/17/14 09:25
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-201
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:44	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P1 24-30"

Lab Sample ID: 580-46089-202

Date Collected: 10/17/14 09:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P2 0-6"

Lab Sample ID: 580-46089-203

Date Collected: 10/17/14 09:51

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 00:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P2 12-18"

Lab Sample ID: 580-46089-204

Date Collected: 10/17/14 09:51

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	30	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:54	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P2 24-30"

Lab Sample ID: 580-46089-205

Date Collected: 10/17/14 09:51

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	27	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 00:57	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P3 0-6"

Lab Sample ID: 580-46089-206

Date Collected: 10/17/14 10:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	17	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 01:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P3 12-18"
Date Collected: 10/17/14 10:15
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-207
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 01:10	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P3 24-30"

Lab Sample ID: 580-46089-208

Date Collected: 10/17/14 10:15

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.7	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 01:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P4 0-6"
Date Collected: 10/17/14 10:50
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-209
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9.2	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 01:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P4 12-18"
Date Collected: 10/17/14 10:50
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-210
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 01:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P4 24-30"

Lab Sample ID: 580-46089-211

Date Collected: 10/17/14 10:50

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.4	B	1.2	0.12	mg/Kg		10/30/14 14:18	11/01/14 01:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P5 0-6"

Lab Sample ID: 580-46089-212

Date Collected: 10/17/14 11:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	B	1.4	0.14	mg/Kg		10/30/14 14:18	11/01/14 01:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P5 12-18"

Lab Sample ID: 580-46089-213

Date Collected: 10/17/14 11:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	21	B	1.3	0.13	mg/Kg		10/30/14 14:18	11/01/14 01:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P5 24-30"
Date Collected: 10/17/14 11:25
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-214
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.3		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 01:51	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P5 30-36"
Date Collected: 10/17/14 11:25
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-215
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.2		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P6 0-6"

Lab Sample ID: 580-46089-216

Date Collected: 10/17/14 13:06

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:16	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P6 12-18"

Lab Sample ID: 580-46089-217

Date Collected: 10/17/14 13:06

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:20	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P6 24-30"

Lab Sample ID: 580-46089-218

Date Collected: 10/17/14 13:06

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.0		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:23	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P1 0-6"

Lab Sample ID: 580-46089-219

Date Collected: 10/17/14 13:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	J	1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:26	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P1 12-18"

Lab Sample ID: 580-46089-220

Date Collected: 10/17/14 13:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.39	J	1.4	0.14	mg/Kg		10/30/14 14:57	11/01/14 02:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P1 24-30"

Lab Sample ID: 580-46089-221

Date Collected: 10/17/14 13:25

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.47	J	1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:33	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P2 0-6"

Lab Sample ID: 580-46089-222

Date Collected: 10/17/14 14:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.1		1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:37	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P2 12-18"

Lab Sample ID: 580-46089-223

Date Collected: 10/17/14 14:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.1		1.1	0.11	mg/Kg		10/30/14 14:57	11/01/14 02:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P2 24-30"

Lab Sample ID: 580-46089-224

Date Collected: 10/17/14 14:04

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.2		1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 02:49	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P3 0-6"
Date Collected: 10/17/14 14:35
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-225
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.8		1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 02:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P3 12-18"

Lab Sample ID: 580-46089-226

Date Collected: 10/17/14 14:35

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.2	J	1.3	0.13	mg/Kg		10/30/14 14:57	11/01/14 02:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P3 24-30"

Lab Sample ID: 580-46089-227

Date Collected: 10/17/14 14:35

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	1.1	J	1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 02:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P4 0-6"

Lab Sample ID: 580-46089-228

Date Collected: 10/17/14 14:58

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 03:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P4 12-18"

Lab Sample ID: 580-46089-229

Date Collected: 10/17/14 14:58

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.91	J	1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 03:06	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P4 24-30"

Lab Sample ID: 580-46089-230

Date Collected: 10/17/14 14:58

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.7		1.2	0.12	mg/Kg		10/30/14 14:57	11/01/14 03:09	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P1 0-6"

Lab Sample ID: 580-46089-231

Date Collected: 10/18/14 08:48

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	99		1.4	0.14	mg/Kg		10/30/14 14:57	11/01/14 03:13	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P1 12-18"
Date Collected: 10/18/14 08:48
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-232
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	77	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 03:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P1 24-30"
Date Collected: 10/18/14 08:48
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-233
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	4.3	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 03:55	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P2 0-6"
Date Collected: 10/18/14 09:03
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-234
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	590	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 03:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P2 12-18"
Date Collected: 10/18/14 09:03
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-235
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	270	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 04:02	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P2 24-30"

Lab Sample ID: 580-46089-236

Date Collected: 10/18/14 09:03

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:05	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P3 0-6"
Date Collected: 10/18/14 09:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-237
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	36	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:08	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P3 12-18"
Date Collected: 10/18/14 09:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-238
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 04:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P3 24-30"
Date Collected: 10/18/14 09:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-239
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	41	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 04:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 425-P1 0-6"
Date Collected: 10/18/14 07:01
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-240
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15	B	1.4	0.14	mg/Kg		10/30/14 16:09	11/01/14 04:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 425-P2 0-6"

Lab Sample ID: 580-46089-241

Date Collected: 10/18/14 07:08

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:21	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 426-P1 0-6"

Lab Sample ID: 580-46089-242

Date Collected: 10/18/14 07:22

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	50	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:30	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 426-P1 12-18"

Lab Sample ID: 580-46089-243

Date Collected: 10/18/14 07:22

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 426-P1 24-30"
Date Collected: 10/18/14 07:22
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-244
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.41	J B	1.4	0.14	mg/Kg		10/30/14 16:09	11/01/14 04:37	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P2 0-6"

Lab Sample ID: 580-46089-245

Date Collected: 10/18/14 14:59

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	490	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:40	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P2 12-18"
Date Collected: 10/18/14 14:59
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-246
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	33	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P2 24-30"

Lab Sample ID: 580-46089-247

Date Collected: 10/18/14 14:59

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	29	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 04:47	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P3 0-6"

Lab Sample ID: 580-46089-248

Date Collected: 10/18/14 15:20

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100	B	1.3	0.13	mg/Kg		10/30/14 16:09	11/01/14 04:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P3 12-18"

Lab Sample ID: 580-46089-249

Date Collected: 10/18/14 15:20

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	110	B	1.2	0.12	mg/Kg		10/30/14 16:09	11/01/14 04:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P3 24-30"

Lab Sample ID: 580-46089-250

Date Collected: 10/18/14 15:20

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.4	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:14	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P7 0-6"

Lab Sample ID: 580-46089-251

Date Collected: 10/18/14 14:37

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	240	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:36	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P7 12-18"

Lab Sample ID: 580-46089-252

Date Collected: 10/18/14 14:37

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	230	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:39	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P7 24-30"
Date Collected: 10/18/14 14:37
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-253
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	60	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:43	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P1 0-6"
Date Collected: 10/18/14 12:38
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-254
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3100	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:46	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P1 12-18"
Date Collected: 10/18/14 12:38
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-255
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	8.5	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 05:50	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P3 0-6"

Lab Sample ID: 580-46089-256

Date Collected: 10/18/14 13:18

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	190	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 05:53	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P3 12-18"
Date Collected: 10/18/14 13:18
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-257
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 05:56	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P3 24-30"
Date Collected: 10/18/14 13:18
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-258
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	24	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 05:59	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P6 0-6"

Lab Sample ID: 580-46089-259

Date Collected: 10/18/14 13:40

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 06:03	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P6 12-18"

Lab Sample ID: 580-46089-260

Date Collected: 10/18/14 13:40

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	310	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 06:12	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P6 24-30"
Date Collected: 10/18/14 13:40
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-261
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	180	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 06:15	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P7 0-6"

Lab Sample ID: 580-46089-262

Date Collected: 10/18/14 14:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	310	B	1.4	0.14	mg/Kg		10/30/14 16:12	11/01/14 06:18	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P7 12-18"

Lab Sample ID: 580-46089-263

Date Collected: 10/18/14 14:10

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	28	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 06:21	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P7 24-30"
Date Collected: 10/18/14 14:10
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-264
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	14	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 06:24	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3127W-P1 0-6"

Lab Sample ID: 580-46089-265

Date Collected: 10/18/14 16:32

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130	B	1.4	0.14	mg/Kg		10/30/14 16:12	11/01/14 06:28	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3127W-P1 12-18"

Lab Sample ID: 580-46089-266

Date Collected: 10/18/14 16:32

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	230	B	1.3	0.13	mg/Kg		10/30/14 16:12	11/01/14 06:31	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3127W-P1 24-30"

Lab Sample ID: 580-46089-267

Date Collected: 10/18/14 16:32

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	62	B	1.2	0.12	mg/Kg		10/30/14 16:12	11/01/14 06:34	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3126E-P2 0-6"
Date Collected: 10/18/14 16:07
Date Received: 10/23/14 09:40

Lab Sample ID: 580-46089-268
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160	B	1.3	0.13	mg/Kg		10/30/14 16:48	11/03/14 11:07	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3126E-P2 12-18"

Lab Sample ID: 580-46089-269

Date Collected: 10/18/14 16:07

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	230	B	1.3	0.13	mg/Kg		10/30/14 16:48	11/03/14 11:29	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3126E-P2 24-30"

Lab Sample ID: 580-46089-270

Date Collected: 10/18/14 16:07

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	130	B	1.4	0.14	mg/Kg		10/30/14 16:48	11/03/14 11:32	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: EQUIPMENT RINSATE

Lab Sample ID: 580-46089-273

Date Collected: 10/18/14 17:40

Matrix: Water

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.030	0.0026	mg/L		10/31/14 11:14	11/05/14 15:22	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-CHIP A

Lab Sample ID: 580-46089-274

Date Collected: 10/16/14 10:30

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	64	B	2.5	0.25	mg/Kg		10/30/14 16:48	11/03/14 11:38	1

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-CHIP C

Lab Sample ID: 580-46089-275

Date Collected: 10/16/14 10:35

Matrix: Solid

Date Received: 10/23/14 09:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	800	B	3.0	0.30	mg/Kg		10/30/14 16:48	11/03/14 11:41	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 580-174179/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 08:45	10/29/14 12:34	1

Lab Sample ID: LCS 580-174179/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	50.1		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 580-174179/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	49.5		mg/Kg		99	80 - 120	1	20

Lab Sample ID: 580-46089-1 MS — **Client Sample ID: 5309-P16 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	33		37.0	62.5	F1	mg/Kg		79	80 - 120

Lab Sample ID: 580-46089-1 MSD — **Client Sample ID: 5309-P16 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	33		36.6	63.8		mg/Kg		83	80 - 120	2	20

Lab Sample ID: 580-46089-1 DU — **Client Sample ID: 5309-P16 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174179**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	33		31.7		mg/Kg		5	20

Lab Sample ID: MB 580-174180/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 08:51	10/29/14 14:37	1

Lab Sample ID: LCS 580-174180/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	49.8		mg/Kg		100	80 - 120

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: LCSD 580-174180/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	49.2		mg/Kg		98	80 - 120	1	20

Lab Sample ID: 580-46089-19 MS — **Client Sample ID: 5309-P23 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	170		40.9	174	4	mg/Kg		3	80 - 120		

Lab Sample ID: 580-46089-19 MSD — **Client Sample ID: 5309-P23 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	170		39.9	170	4	mg/Kg		-5	80 - 120	2	20

Lab Sample ID: 580-46089-19 DU — **Client Sample ID: 5309-P23 0-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174298 — **Prep Batch: 174180**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	170			157		mg/Kg				10	20

Lab Sample ID: MB 580-174181/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 09:53	10/29/14 22:28	1

Lab Sample ID: LCS 580-174181/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	46.3		mg/Kg		93	80 - 120		

Lab Sample ID: LCSD 580-174181/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	47.8		mg/Kg		96	80 - 120	3	20

Lab Sample ID: 580-46089-37 MS — **Client Sample ID: DU-4 MIS (2) 0-2" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	24		41.2	61.1		mg/Kg		90	80 - 120		

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-46089-37 MSD — **Client Sample ID: DU-4 MIS (2) 0-2" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	24		37.9	63.9		mg/Kg		105	80 - 120	4	20

Lab Sample ID: 580-46089-37 DU — **Client Sample ID: DU-4 MIS (2) 0-2" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174181**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	24			21.8		mg/Kg				10	20

Lab Sample ID: MB 580-174239/21-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174239**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 13:42	10/30/14 11:36	1

Lab Sample ID: LCS 580-174239/22-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174239**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	44.5		mg/Kg		89	80 - 120		

Lab Sample ID: LCSD 580-174239/23-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174239**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	44.0		mg/Kg		88	80 - 120	1	20

Lab Sample ID: LCSSRM 580-174239/24-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174239**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			133	118		mg/Kg		88.7	72.9 - 127.8		

Lab Sample ID: MB 580-174241/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 14:15	10/30/14 00:33	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-174241/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	48.1		mg/Kg		96	80 - 120

Lab Sample ID: LCSD 580-174241/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	48.5		mg/Kg		97	80 - 120	1	20

Lab Sample ID: 580-46089-64 MS — **Client Sample ID: FH 48-P3 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	350		41.4	351	4	mg/Kg		10	80 - 120

Lab Sample ID: 580-46089-64 MSD — **Client Sample ID: FH 48-P3 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	350		43.6	403	4	mg/Kg		130	80 - 120	14	20

Lab Sample ID: 580-46089-66 DU — **Client Sample ID: FH 77-P1 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174299 — **Prep Batch: 174241**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	350		288		mg/Kg		18	20

Lab Sample ID: MB 580-174247/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/29/14 14:48	10/30/14 16:39	1

Lab Sample ID: LCS 580-174247/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	46.5		mg/Kg		93	80 - 120

Lab Sample ID: LCSD 580-174247/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	45.5		mg/Kg		91	80 - 120	2	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: 580-46089-84 MS — **Client Sample ID: FH 37-P1 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	110		46.8	141	F1	mg/Kg		68	80 - 120		

Lab Sample ID: 580-46089-84 MSD — **Client Sample ID: FH 37-P1 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	110		41.3	194	F1 F2	mg/Kg		205	80 - 120	32	20

Lab Sample ID: 580-46089-84 DU — **Client Sample ID: FH 37-P1 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174452 — **Prep Batch: 174247**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	110			97.1		mg/Kg				12	20

Lab Sample ID: MB 580-174316/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174316**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 09:47	10/31/14 20:44	1

Lab Sample ID: LCS 580-174316/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174316**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	49.5		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 580-174316/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174316**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	49.0		mg/Kg		98	80 - 120	1	20

Lab Sample ID: MB 580-174327/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 11:06	10/31/14 18:57	1

Lab Sample ID: LCS 580-174327/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	49.9		mg/Kg		100	80 - 120		

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 580-174327/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	50.2		mg/Kg		100	80 - 120	1	20

Lab Sample ID: 580-46089-108 MS — **Client Sample ID: FH 24-P3 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	110		44.5	176	F1	mg/Kg		147	80 - 120		

Lab Sample ID: 580-46089-108 MSD — **Client Sample ID: FH 24-P3 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	110		41.6	157		mg/Kg		111	80 - 120	12	20

Lab Sample ID: 580-46089-108 DU — **Client Sample ID: FH 24-P3 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174327**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	110			157	F3	mg/Kg				34	20

Lab Sample ID: MB 580-174340/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.185	J	1.5	0.15	mg/Kg		10/30/14 11:31	10/31/14 22:16	1

Lab Sample ID: LCS 580-174340/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	48.0		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-174340/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	49.1		mg/Kg		98	80 - 120	2	20

Lab Sample ID: 580-46089-126 MS — **Client Sample ID: FH 02-P2 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	110	B	45.6	124	F1	mg/Kg		42	80 - 120		

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: 580-46089-126 MSD — **Client Sample ID: FH 02-P2 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	110	B	43.0	140		mg/Kg		81	80 - 120	12	20

Lab Sample ID: 580-46089-126 DU — **Client Sample ID: FH 02-P2 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174340**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	110	B		105		mg/Kg				0.3	20

Lab Sample ID: MB 580-174352/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174352**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 12:06	10/31/14 10:34	1

Lab Sample ID: LCS 580-174352/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174352**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	47.0		mg/Kg		94	80 - 120		

Lab Sample ID: LCSD 580-174352/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174352**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	47.1		mg/Kg		94	80 - 120	0	20

Lab Sample ID: MB 580-174366/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 12:39	10/31/14 12:44	1

Lab Sample ID: LCS 580-174366/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	47.1		mg/Kg		94	80 - 120		

Lab Sample ID: LCSD 580-174366/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	47.0		mg/Kg		94	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-46089-160 MS — **Client Sample ID: 3504-P28 24-30" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	ND		41.0	39.5		mg/Kg		96	80 - 120		

Lab Sample ID: 580-46089-160 MSD — **Client Sample ID: 3504-P28 24-30" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	ND		46.9	44.9		mg/Kg		96	80 - 120	13	20

Lab Sample ID: 580-46089-160 DU — **Client Sample ID: 3504-P28 24-30" DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174366**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	ND			0.164	J	mg/Kg				NC	20

Lab Sample ID: MB 580-174383/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 14:15	10/31/14 15:02	1

Lab Sample ID: LCS 580-174383/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	47.2		mg/Kg		94	80 - 120		

Lab Sample ID: LCSD 580-174383/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	45.7		mg/Kg		91	80 - 120	3	20

Lab Sample ID: 580-46089-178 MS — **Client Sample ID: 5342-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	18		39.7	55.9		mg/Kg		96	80 - 120		

Lab Sample ID: 580-46089-178 MSD — **Client Sample ID: 5342-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	18		40.8	58.6		mg/Kg		100	80 - 120	5	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: 580-46089-178 DU — **Client Sample ID: 5342-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174523 — **Prep Batch: 174383**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	18		18.1		mg/Kg		2	20

Lab Sample ID: MB 580-174384/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.310	J	1.5	0.15	mg/Kg		10/30/14 14:18	10/31/14 23:57	1

Lab Sample ID: LCS 580-174384/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	50.4		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 580-174384/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	50.2		mg/Kg		100	80 - 120	0	20

Lab Sample ID: 580-46089-196 MS — **Client Sample ID: 140-P4 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	17	B	40.4	53.8		mg/Kg		92	80 - 120

Lab Sample ID: 580-46089-196 MSD — **Client Sample ID: 140-P4 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	17	B	46.2	58.3		mg/Kg		90	80 - 120	8	20

Lab Sample ID: 580-46089-196 DU — **Client Sample ID: 140-P4 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174384**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	17	B	13.1	F3	mg/Kg		24	20

Lab Sample ID: MB 580-174387/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		1.5	0.15	mg/Kg		10/30/14 14:57	11/01/14 01:39	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 580-174387/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	48.8		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 580-174387/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	47.8		mg/Kg		96	80 - 120	2	20

Lab Sample ID: 580-46089-214 MS — **Client Sample ID: 1124-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	3.3		42.2	47.3		mg/Kg		104	80 - 120		

Lab Sample ID: 580-46089-214 MSD — **Client Sample ID: 1124-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	3.3		45.9	49.5		mg/Kg		101	80 - 120	5	20

Lab Sample ID: 580-46089-214 DU — **Client Sample ID: 1124-P5 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174387**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	3.3			2.38	F5	mg/Kg				34	20

Lab Sample ID: MB 580-174400/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.420	J	1.5	0.15	mg/Kg		10/30/14 16:09	11/01/14 03:22	1

Lab Sample ID: LCS 580-174400/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	48.5		mg/Kg		97	80 - 120		

Lab Sample ID: LCSD 580-174400/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	47.5		mg/Kg		95	80 - 120	2	20

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: 580-46089-232 MS — **Client Sample ID: 400-P1 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	77	B	40.1	117		mg/Kg		99	80 - 120		

Lab Sample ID: 580-46089-232 MSD — **Client Sample ID: 400-P1 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	77	B	43.0	148	F1 F2	mg/Kg		165	80 - 120	23	20

Lab Sample ID: 580-46089-232 DU — **Client Sample ID: 400-P1 12-18"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174400**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	77	B		94.1		mg/Kg				20	20

Lab Sample ID: MB 580-174401/22-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.320	J	1.5	0.15	mg/Kg		10/30/14 16:12	11/01/14 05:02	1

Lab Sample ID: LCS 580-174401/23-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			50.0	47.9		mg/Kg		96	80 - 120		

Lab Sample ID: LCSD 580-174401/24-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			50.0	48.3		mg/Kg		97	80 - 120	1	20

Lab Sample ID: 580-46089-250 MS — **Client Sample ID: 3501-P3 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead	2.4	B	42.8	45.8		mg/Kg		101	80 - 120		

Lab Sample ID: 580-46089-250 MSD — **Client Sample ID: 3501-P3 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2.4	B	44.3	46.0		mg/Kg		98	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 580-46089-250 DU — **Client Sample ID: 3501-P3 24-30"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174582 — **Prep Batch: 174401**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	2.4	B	2.37		mg/Kg		0.2	20

Lab Sample ID: MB 580-174404/10-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.295	J	1.5	0.15	mg/Kg		10/30/14 16:48	11/03/14 10:56	1

Lab Sample ID: LCS 580-174404/11-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	50.0	55.1		mg/Kg		110	80 - 120

Lab Sample ID: LCSD 580-174404/12-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	50.0	55.5		mg/Kg		111	80 - 120	1	20

Lab Sample ID: 580-46089-268 MS — **Client Sample ID: 3126E-P2 0-6"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	160	B	40.8	202		mg/Kg		110	80 - 120

Lab Sample ID: 580-46089-268 MSD — **Client Sample ID: 3126E-P2 0-6"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	160	B	41.3	205		mg/Kg		116	80 - 120	1	20

Lab Sample ID: 580-46089-268 DU — **Client Sample ID: 3126E-P2 0-6"**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 174657 — **Prep Batch: 174404**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	160	B	165		mg/Kg		5	20

Lab Sample ID: MB 580-174477/17-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 175003 — **Prep Batch: 174477**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00280	J	0.030	0.0026	mg/L		10/31/14 11:16	11/05/14 14:35	1

QC Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID: LCS 580-174477/18-A
Matrix: Water
Analysis Batch: 175003

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 174477

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1.00	0.869		mg/L		87	80 - 120		

Lab Sample ID: LCSD 580-174477/19-A
Matrix: Water
Analysis Batch: 175003

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 174477

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead			1.00	0.885		mg/L		89	80 - 120	2	20

Lab Sample ID: LCSSRM 580-174477/20-A
Matrix: Water
Analysis Batch: 175003

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 174477

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			1.00	0.875		mg/L		87	80 - 120		

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P16 0-6 — Lab Sample ID: 580-46089-1

Date Collected: 10/01/14 13:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 12:47	HJM	TAL SEA

Client Sample ID: 5309-P16 12-18 — Lab Sample ID: 580-46089-2

Date Collected: 10/01/14 13:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:13	HJM	TAL SEA

Client Sample ID: 5309-P16 24-30 — Lab Sample ID: 580-46089-3

Date Collected: 10/01/14 13:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:17	HJM	TAL SEA

Client Sample ID: 5309-P18 0-6 — Lab Sample ID: 580-46089-4

Date Collected: 10/01/14 13:45 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:21	HJM	TAL SEA

Client Sample ID: 5309-P18 12-18 — Lab Sample ID: 580-46089-5

Date Collected: 10/01/14 13:45 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:25	HJM	TAL SEA

Client Sample ID: 5309-P18 24-30 — Lab Sample ID: 580-46089-6

Date Collected: 10/01/14 13:45 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:29	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P19 0-6 — Lab Sample ID: 580-46089-7

Date Collected: 10/01/14 14:44 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:33	HJM	TAL SEA

Client Sample ID: 5309-P19 12-18 — Lab Sample ID: 580-46089-8

Date Collected: 10/01/14 14:44 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:37	HJM	TAL SEA

Client Sample ID: 5309-P19 24-30 — Lab Sample ID: 580-46089-9

Date Collected: 10/01/14 14:44 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:41	HJM	TAL SEA

Client Sample ID: 5309-P20 0-6 — Lab Sample ID: 580-46089-10

Date Collected: 10/01/14 15:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:45	HJM	TAL SEA

Client Sample ID: 5309-P20 12-18 — Lab Sample ID: 580-46089-11

Date Collected: 10/01/14 15:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:55	HJM	TAL SEA

Client Sample ID: 5309-P20 24-30 — Lab Sample ID: 580-46089-12

Date Collected: 10/01/14 15:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 13:59	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P21 0-6 — Lab Sample ID: 580-46089-13

Date Collected: 10/01/14 15:59 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:04	HJM	TAL SEA

Client Sample ID: 5309-P21 12-18 — Lab Sample ID: 580-46089-14

Date Collected: 10/01/14 15:59 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:08	HJM	TAL SEA

Client Sample ID: 5309-P21 24-30 — Lab Sample ID: 580-46089-15

Date Collected: 10/01/14 15:59 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:12	HJM	TAL SEA

Client Sample ID: 5309-P22 0-6 — Lab Sample ID: 580-46089-16

Date Collected: 10/01/14 16:55 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:16	HJM	TAL SEA

Client Sample ID: 5309-P22 12-18 — Lab Sample ID: 580-46089-17

Date Collected: 10/01/14 16:55 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:20	HJM	TAL SEA

Client Sample ID: 5309-P22 24-30 — Lab Sample ID: 580-46089-18

Date Collected: 10/01/14 16:55 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174179	10/29/14 08:45	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:24	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P23 0-6 — Lab Sample ID: 580-46089-19

Date Collected: 10/02/14 15:36 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 14:49	HJM	TAL SEA

Client Sample ID: 5309-P23 12-18 — Lab Sample ID: 580-46089-20

Date Collected: 10/02/14 15:36 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:14	HJM	TAL SEA

Client Sample ID: 5309-P23 24-30 — Lab Sample ID: 580-46089-21

Date Collected: 10/02/14 15:36 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:18	HJM	TAL SEA

Client Sample ID: 5309-P23 0-6 DUP — Lab Sample ID: 580-46089-22

Date Collected: 10/02/14 15:39 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:22	HJM	TAL SEA

Client Sample ID: 5309-P23 12-18 DUP — Lab Sample ID: 580-46089-23

Date Collected: 10/02/14 15:39 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:26	HJM	TAL SEA

Client Sample ID: 5309-P23 24-30 DUP — Lab Sample ID: 580-46089-24

Date Collected: 10/02/14 15:39 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:30	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P24 0-6 — Lab Sample ID: 580-46089-25

Date Collected: 10/02/14 16:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:34	HJM	TAL SEA

Client Sample ID: 5309-P24 12-18 — Lab Sample ID: 580-46089-26

Date Collected: 10/02/14 16:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:38	HJM	TAL SEA

Client Sample ID: 5309-P24 24-30 — Lab Sample ID: 580-46089-27

Date Collected: 10/02/14 16:27 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:42	HJM	TAL SEA

Client Sample ID: 5309-P25 0-6 — Lab Sample ID: 580-46089-28

Date Collected: 10/03/14 07:50 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:46	HJM	TAL SEA

Client Sample ID: 5309-P25 12-18 — Lab Sample ID: 580-46089-29

Date Collected: 10/03/14 07:50 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 15:50	HJM	TAL SEA

Client Sample ID: 5309-P25 24-30 — Lab Sample ID: 580-46089-30

Date Collected: 10/03/14 07:50 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:00	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5309-P26 0-6 — Lab Sample ID: 580-46089-31

Date Collected: 10/03/14 08:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:04	HJM	TAL SEA

Client Sample ID: 5309-P26 12-18 — Lab Sample ID: 580-46089-32

Date Collected: 10/03/14 08:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:08	HJM	TAL SEA

Client Sample ID: 5309-P26 24-30 — Lab Sample ID: 580-46089-33

Date Collected: 10/03/14 08:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:12	HJM	TAL SEA

Client Sample ID: DU-4 MIS (4) 0-2" — Lab Sample ID: 580-46089-34

Date Collected: 09/24/14 13:40 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:16	HJM	TAL SEA

Client Sample ID: DU-4 MIS (4) 0-2" DUP — Lab Sample ID: 580-46089-35

Date Collected: 09/24/14 14:17 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:20	HJM	TAL SEA

Client Sample ID: DU-4 MIS (2) 0-2" — Lab Sample ID: 580-46089-36

Date Collected: 09/26/14 15:30 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174180	10/29/14 08:51	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174298	10/29/14 16:24	HJM	TAL SEA

Client Sample ID: DU-4 MIS (2) 0-2" DUP — Lab Sample ID: 580-46089-37

Date Collected: 09/26/14 15:46 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 22:40	HJM	TAL SEA

Client Sample ID: DU-4 MIS (3) 0-2" — Lab Sample ID: 580-46089-38

Date Collected: 09/26/14 12:44 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:06	HJM	TAL SEA

Client Sample ID: DU-4 MIS (3) 0-2" DUP — Lab Sample ID: 580-46089-39

Date Collected: 09/26/14 13:25 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:10	HJM	TAL SEA

Client Sample ID: DU-4 MIS (5) 0-2" — Lab Sample ID: 580-46089-40

Date Collected: 09/26/14 07:47 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:14	HJM	TAL SEA

Client Sample ID: DU-4 MIS (5) 0-2" DUP — Lab Sample ID: 580-46089-41

Date Collected: 09/26/14 08:20 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:18	HJM	TAL SEA

Client Sample ID: DU-4 MIS (5) 0-2" TRIPLICATE — Lab Sample ID: 580-46089-42

Date Collected: 09/26/14 08:48 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:22	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-4 MIS (1) 0-2"

Lab Sample ID: 580-46089-43

Date Collected: 09/27/14 09:51
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:26	HJM	TAL SEA

Client Sample ID: DU-4 MIS (1) 0-2" DUP

Lab Sample ID: 580-46089-44

Date Collected: 09/27/14 10:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:30	HJM	TAL SEA

Client Sample ID: DU-7 MIS (4) 0-2"

Lab Sample ID: 580-46089-45

Date Collected: 10/02/14 10:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:34	HJM	TAL SEA

Client Sample ID: DU-7 MIS (4) 0-2" DUP

Lab Sample ID: 580-46089-46

Date Collected: 10/02/14 11:41
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:38	HJM	TAL SEA

Client Sample ID: DU-7 MIS (5) 0-2"

Lab Sample ID: 580-46089-47

Date Collected: 10/02/14 13:51
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:48	HJM	TAL SEA

Client Sample ID: DU-7 MIS (5) 0-2" DUP

Lab Sample ID: 580-46089-48

Date Collected: 10/02/14 14:14
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:52	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (5) 0-2" TRIPLICATE — Lab Sample ID: 580-46089-49

Date Collected: 10/02/14 14:31 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/29/14 23:56	HJM	TAL SEA

Client Sample ID: DU-7 MIS (1) 0-2" — Lab Sample ID: 580-46089-50

Date Collected: 10/03/14 14:15 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:00	HJM	TAL SEA

Client Sample ID: DU-7 MIS (1) 0-2" DUP — Lab Sample ID: 580-46089-51

Date Collected: 10/03/14 14:40 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:04	HJM	TAL SEA

Client Sample ID: DU-7 MIS (2) 0-2" — Lab Sample ID: 580-46089-52

Date Collected: 10/04/14 09:56 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:08	HJM	TAL SEA

Client Sample ID: DU-7 MIS (2) 0-2" DUP — Lab Sample ID: 580-46089-53

Date Collected: 10/04/14 10:23 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:12	HJM	TAL SEA

Client Sample ID: DU-7 MIS (3) 0-2" — Lab Sample ID: 580-46089-54

Date Collected: 10/06/14 15:33 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174181	10/29/14 09:53	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:16	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: DU-7 MIS (3) 0-2" DUP — Lab Sample ID: 580-46089-55

Date Collected: 10/06/14 16:05 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 15:50	HJM	TAL SEA

Client Sample ID: FH 48-P1 0-6" — Lab Sample ID: 580-46089-56

Date Collected: 10/09/14 11:10 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 15:54	HJM	TAL SEA

Client Sample ID: FH 48-P1 12-18" — Lab Sample ID: 580-46089-57

Date Collected: 10/09/14 11:10 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 15:57	HJM	TAL SEA

Client Sample ID: FH 48-P1 24-30" — Lab Sample ID: 580-46089-58

Date Collected: 10/09/14 11:10 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:00	HJM	TAL SEA

Client Sample ID: FH 48-P2 0-6" — Lab Sample ID: 580-46089-59

Date Collected: 10/09/14 11:34 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:10	HJM	TAL SEA

Client Sample ID: FH 48-P2 12-18" — Lab Sample ID: 580-46089-60

Date Collected: 10/09/14 11:34 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:13	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 48-P2 24-30"

Lab Sample ID: 580-46089-61
Date Collected: 10/09/14 11:34
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:16	HJM	TAL SEA

Client Sample ID: FH 48-P3 0-6"

Lab Sample ID: 580-46089-62
Date Collected: 10/09/14 11:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:19	HJM	TAL SEA

Client Sample ID: FH 48-P3 12-18"

Lab Sample ID: 580-46089-63
Date Collected: 10/09/14 11:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:23	HJM	TAL SEA

Client Sample ID: FH 48-P3 24-30"

Lab Sample ID: 580-46089-64
Date Collected: 10/09/14 11:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:26	HJM	TAL SEA

Client Sample ID: FH 77-P1 0-6"

Lab Sample ID: 580-46089-65
Date Collected: 10/10/14 09:31
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174239	10/29/14 13:42	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:29	HJM	TAL SEA

Client Sample ID: FH 77-P1 12-18"

Lab Sample ID: 580-46089-66
Date Collected: 10/10/14 09:31
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 00:46	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 77-P2 0-6"

Lab Sample ID: 580-46089-67
Date Collected: 10/10/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:12	HJM	TAL SEA

Client Sample ID: FH 77-P2 12-18"

Lab Sample ID: 580-46089-68
Date Collected: 10/10/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:16	HJM	TAL SEA

Client Sample ID: FH 77-P2 24-30"

Lab Sample ID: 580-46089-69
Date Collected: 10/10/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:20	HJM	TAL SEA

Client Sample ID: FH 77-P3 0-6"

Lab Sample ID: 580-46089-70
Date Collected: 10/10/14 10:41
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:24	HJM	TAL SEA

Client Sample ID: FH 77-P3 12-18"

Lab Sample ID: 580-46089-71
Date Collected: 10/10/14 10:41
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:28	HJM	TAL SEA

Client Sample ID: FH 77-P3 24-30"

Lab Sample ID: 580-46089-72
Date Collected: 10/10/14 10:41
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:32	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P1 0-6"

Lab Sample ID: 580-46089-73
Date Collected: 10/10/14 11:19
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:36	HJM	TAL SEA

Client Sample ID: FH 54-P1 12-18"

Lab Sample ID: 580-46089-74
Date Collected: 10/10/14 11:19
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:39	HJM	TAL SEA

Client Sample ID: FH 54-P1 24-30"

Lab Sample ID: 580-46089-75
Date Collected: 10/10/14 11:19
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:43	HJM	TAL SEA

Client Sample ID: FH 54-P2 0-6"

Lab Sample ID: 580-46089-76
Date Collected: 10/10/14 11:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:53	HJM	TAL SEA

Client Sample ID: FH 54-P2 12-18"

Lab Sample ID: 580-46089-77
Date Collected: 10/10/14 11:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 01:57	HJM	TAL SEA

Client Sample ID: FH 54-P2 24-30"

Lab Sample ID: 580-46089-78
Date Collected: 10/10/14 11:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:02	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 54-P3 0-6"

Lab Sample ID: 580-46089-79
Date Collected: 10/10/14 13:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:06	HJM	TAL SEA

Client Sample ID: FH 54-P3 12-18"

Lab Sample ID: 580-46089-80
Date Collected: 10/10/14 13:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:10	HJM	TAL SEA

Client Sample ID: FH 54-P3 24-30"

Lab Sample ID: 580-46089-81
Date Collected: 10/10/14 13:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:14	HJM	TAL SEA

Client Sample ID: FH 37-P1 0-6"

Lab Sample ID: 580-46089-82
Date Collected: 10/13/14 08:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:18	HJM	TAL SEA

Client Sample ID: FH 37-P1 12-18"

Lab Sample ID: 580-46089-83
Date Collected: 10/13/14 08:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174241	10/29/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174299	10/30/14 02:22	HJM	TAL SEA

Client Sample ID: FH 37-P1 24-30"

Lab Sample ID: 580-46089-84
Date Collected: 10/13/14 08:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 16:51	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 37-P2 0-6"

Lab Sample ID: 580-46089-85
Date Collected: 10/13/14 09:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:13	HJM	TAL SEA

Client Sample ID: FH 37-P2 12-18"

Lab Sample ID: 580-46089-86
Date Collected: 10/13/14 09:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:17	HJM	TAL SEA

Client Sample ID: FH 37-P2 24-30"

Lab Sample ID: 580-46089-87
Date Collected: 10/13/14 09:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:21	HJM	TAL SEA

Client Sample ID: FH 37-P3 0-6"

Lab Sample ID: 580-46089-88
Date Collected: 10/13/14 09:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:25	HJM	TAL SEA

Client Sample ID: FH 37-P3 12-18"

Lab Sample ID: 580-46089-89
Date Collected: 10/13/14 09:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:29	HJM	TAL SEA

Client Sample ID: FH 37-P3 24-30"

Lab Sample ID: 580-46089-90
Date Collected: 10/13/14 09:45
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:33	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P1 0-6"

Lab Sample ID: 580-46089-91
Date Collected: 10/13/14 11:21
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:36	HJM	TAL SEA

Client Sample ID: FH 44-P1 12-18"

Lab Sample ID: 580-46089-92
Date Collected: 10/13/14 11:21
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:40	HJM	TAL SEA

Client Sample ID: FH 44-P1 24-30"

Lab Sample ID: 580-46089-93
Date Collected: 10/13/14 11:21
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:43	HJM	TAL SEA

Client Sample ID: FH 44-P2 0-6"

Lab Sample ID: 580-46089-94
Date Collected: 10/13/14 13:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:52	HJM	TAL SEA

Client Sample ID: FH 44-P2 12-18"

Lab Sample ID: 580-46089-95
Date Collected: 10/13/14 13:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:55	HJM	TAL SEA

Client Sample ID: FH 44-P2 24-30"

Lab Sample ID: 580-46089-96
Date Collected: 10/13/14 13:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 17:59	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 44-P2 30-36"

Lab Sample ID: 580-46089-97
Date Collected: 10/13/14 13:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 18:02	HJM	TAL SEA

Client Sample ID: FH 44-P3 0-6"

Lab Sample ID: 580-46089-98
Date Collected: 10/13/14 13:24
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 18:05	HJM	TAL SEA

Client Sample ID: FH 44-P3 12-18"

Lab Sample ID: 580-46089-99
Date Collected: 10/13/14 13:24
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 18:09	HJM	TAL SEA

Client Sample ID: FH 44-P3 24-30"

Lab Sample ID: 580-46089-100
Date Collected: 10/13/14 13:24
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 18:12	HJM	TAL SEA

Client Sample ID: FH 24-P1 0-6"

Lab Sample ID: 580-46089-101
Date Collected: 10/13/14 14:02
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174247	10/29/14 14:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174452	10/30/14 18:15	HJM	TAL SEA

Client Sample ID: FH 24-P1 12-18"

Lab Sample ID: 580-46089-102
Date Collected: 10/13/14 14:02
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 21:51	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P1 24-30"

Lab Sample ID: 580-46089-103
Date Collected: 10/13/14 14:02
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 21:54	HJM	TAL SEA

Client Sample ID: FH 24-P2 0-6"

Lab Sample ID: 580-46089-104
Date Collected: 10/13/14 14:27
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 21:57	HJM	TAL SEA

Client Sample ID: FH 24-P2 12-18"

Lab Sample ID: 580-46089-105
Date Collected: 10/13/14 14:27
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:01	HJM	TAL SEA

Client Sample ID: FH 24-P2 24-30"

Lab Sample ID: 580-46089-106
Date Collected: 10/13/14 14:27
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:04	HJM	TAL SEA

Client Sample ID: FH 24-P3 0-6"

Lab Sample ID: 580-46089-107
Date Collected: 10/13/14 14:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174316	10/30/14 09:47	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:07	HJM	TAL SEA

Client Sample ID: FH 24-P3 12-18"

Lab Sample ID: 580-46089-108
Date Collected: 10/13/14 14:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:09	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 24-P3 24-30"

Lab Sample ID: 580-46089-109
Date Collected: 10/13/14 14:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:30	HJM	TAL SEA

Client Sample ID: FH 24-P3 0-6" DUP

Lab Sample ID: 580-46089-110
Date Collected: 10/13/14 14:54
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:34	HJM	TAL SEA

Client Sample ID: FH 24-P3 12-18" DUP

Lab Sample ID: 580-46089-111
Date Collected: 10/13/14 14:54
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:38	HJM	TAL SEA

Client Sample ID: FH 24-P3 24-30" DUP

Lab Sample ID: 580-46089-112
Date Collected: 10/13/14 14:54
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:42	HJM	TAL SEA

Client Sample ID: FH 70-P1 0-6"

Lab Sample ID: 580-46089-113
Date Collected: 10/13/14 15:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:47	HJM	TAL SEA

Client Sample ID: FH 70-P1 12-18"

Lab Sample ID: 580-46089-114
Date Collected: 10/13/14 15:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:50	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P1 24-30"

Lab Sample ID: 580-46089-115
Date Collected: 10/13/14 15:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:53	HJM	TAL SEA

Client Sample ID: FH 70-P2 0-6"

Lab Sample ID: 580-46089-116
Date Collected: 10/13/14 16:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:56	HJM	TAL SEA

Client Sample ID: FH 70-P2 12-18"

Lab Sample ID: 580-46089-117
Date Collected: 10/13/14 16:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 19:59	HJM	TAL SEA

Client Sample ID: FH 70-P2 24-30"

Lab Sample ID: 580-46089-118
Date Collected: 10/13/14 16:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:09	HJM	TAL SEA

Client Sample ID: FH 70-P3 0-6"

Lab Sample ID: 580-46089-119
Date Collected: 10/13/14 16:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:13	HJM	TAL SEA

Client Sample ID: FH 70-P3 12-18"

Lab Sample ID: 580-46089-120
Date Collected: 10/13/14 16:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:16	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 70-P3 24-30"

Lab Sample ID: 580-46089-121
Date Collected: 10/13/14 16:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:20	HJM	TAL SEA

Client Sample ID: FH 02-P1 0-6"

Lab Sample ID: 580-46089-122
Date Collected: 10/14/14 07:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:23	HJM	TAL SEA

Client Sample ID: FH 02-P1 12-18"

Lab Sample ID: 580-46089-123
Date Collected: 10/14/14 07:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:26	HJM	TAL SEA

Client Sample ID: FH 02-P1 24-30"

Lab Sample ID: 580-46089-124
Date Collected: 10/14/14 07:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:30	HJM	TAL SEA

Client Sample ID: FH 02-P2 0-6"

Lab Sample ID: 580-46089-125
Date Collected: 10/14/14 07:43
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174327	10/30/14 11:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 20:34	HJM	TAL SEA

Client Sample ID: FH 02-P2 12-18"

Lab Sample ID: 580-46089-126
Date Collected: 10/14/14 07:43
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:28	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: FH 02-P2 24-30"

Lab Sample ID: 580-46089-127
Date Collected: 10/14/14 07:43
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:49	HJM	TAL SEA

Client Sample ID: FH 02-P3 0-6"

Lab Sample ID: 580-46089-128
Date Collected: 10/14/14 08:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:52	HJM	TAL SEA

Client Sample ID: FH 02-P3 12-18"

Lab Sample ID: 580-46089-129
Date Collected: 10/14/14 08:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:55	HJM	TAL SEA

Client Sample ID: FH 02-P3 24-30"

Lab Sample ID: 580-46089-130
Date Collected: 10/14/14 08:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 22:59	HJM	TAL SEA

Client Sample ID: 3503-P25 0-6"

Lab Sample ID: 580-46089-131
Date Collected: 10/14/14 13:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:02	HJM	TAL SEA

Client Sample ID: 3503-P25 12-18"

Lab Sample ID: 580-46089-132
Date Collected: 10/14/14 13:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:05	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P25 24-30"

Lab Sample ID: 580-46089-133
Date Collected: 10/14/14 13:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:09	HJM	TAL SEA

Client Sample ID: 3503-P26 0-6"

Lab Sample ID: 580-46089-134
Date Collected: 10/14/14 13:47
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:12	HJM	TAL SEA

Client Sample ID: 3503-P26 12-18"

Lab Sample ID: 580-46089-135
Date Collected: 10/14/14 13:47
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:16	HJM	TAL SEA

Client Sample ID: 3503-P26 24-30"

Lab Sample ID: 580-46089-136
Date Collected: 10/14/14 13:47
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:25	HJM	TAL SEA

Client Sample ID: 3503-P27 0-6"

Lab Sample ID: 580-46089-137
Date Collected: 10/14/14 14:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:29	HJM	TAL SEA

Client Sample ID: 3503-P27 12-18"

Lab Sample ID: 580-46089-138
Date Collected: 10/14/14 14:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:32	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P27 24-30"

Lab Sample ID: 580-46089-139
Date Collected: 10/14/14 14:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:35	HJM	TAL SEA

Client Sample ID: 3503-P28 0-6"

Lab Sample ID: 580-46089-140
Date Collected: 10/14/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:38	HJM	TAL SEA

Client Sample ID: 3503-P28 12-18"

Lab Sample ID: 580-46089-141
Date Collected: 10/14/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:41	HJM	TAL SEA

Client Sample ID: 3503-P28 24-30"

Lab Sample ID: 580-46089-142
Date Collected: 10/14/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:45	HJM	TAL SEA

Client Sample ID: 3503-P29 0-6"

Lab Sample ID: 580-46089-143
Date Collected: 10/14/14 15:23
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174340	10/30/14 11:31	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	10/31/14 23:48	HJM	TAL SEA

Client Sample ID: 3503-P29 12-18"

Lab Sample ID: 580-46089-144
Date Collected: 10/14/14 15:23
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:20	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3503-P29 24-30"

Lab Sample ID: 580-46089-145
Matrix: Solid
Date Collected: 10/14/14 15:23
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:25	HJM	TAL SEA

Client Sample ID: 3502-P27 0-6"

Lab Sample ID: 580-46089-146
Matrix: Solid
Date Collected: 10/15/14 08:01
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:29	HJM	TAL SEA

Client Sample ID: 3502-P27 12-18"

Lab Sample ID: 580-46089-147
Matrix: Solid
Date Collected: 10/15/14 08:01
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:33	HJM	TAL SEA

Client Sample ID: 3502-P27 24-30"

Lab Sample ID: 580-46089-148
Matrix: Solid
Date Collected: 10/15/14 08:01
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:38	HJM	TAL SEA

Client Sample ID: 3502-P28 0-6"

Lab Sample ID: 580-46089-149
Matrix: Solid
Date Collected: 10/15/14 08:42
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:42	HJM	TAL SEA

Client Sample ID: 3502-P28 12-18"

Lab Sample ID: 580-46089-150
Matrix: Solid
Date Collected: 10/15/14 08:42
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:47	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3502-P28 24-30"

Lab Sample ID: 580-46089-151
Date Collected: 10/15/14 08:42
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 11:51	HJM	TAL SEA

Client Sample ID: 3502-P29 0-6"

Lab Sample ID: 580-46089-152
Date Collected: 10/15/14 09:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:02	HJM	TAL SEA

Client Sample ID: 3502-P29 12-18"

Lab Sample ID: 580-46089-153
Date Collected: 10/15/14 09:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:06	HJM	TAL SEA

Client Sample ID: 3502-P29 24-30"

Lab Sample ID: 580-46089-154
Date Collected: 10/15/14 09:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:11	HJM	TAL SEA

Client Sample ID: 3504-P28 0-6"

Lab Sample ID: 580-46089-155
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:15	HJM	TAL SEA

Client Sample ID: 3504-P28 12-18"

Lab Sample ID: 580-46089-156
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:19	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P28 24-30"

Lab Sample ID: 580-46089-157
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:24	HJM	TAL SEA

Client Sample ID: 3504-P28 0-6" DUP

Lab Sample ID: 580-46089-158
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:29	HJM	TAL SEA

Client Sample ID: 3504-P28 12-18" DUP

Lab Sample ID: 580-46089-159
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174352	10/30/14 12:06	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:33	HJM	TAL SEA

Client Sample ID: 3504-P28 24-30" DUP

Lab Sample ID: 580-46089-160
Date Collected: 10/15/14 10:16
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 12:56	HJM	TAL SEA

Client Sample ID: 3504-P29 0-6"

Lab Sample ID: 580-46089-161
Date Collected: 10/15/14 11:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:23	HJM	TAL SEA

Client Sample ID: 3504-P29 12-18"

Lab Sample ID: 580-46089-162
Date Collected: 10/15/14 11:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:27	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3504-P29 24-30"

Lab Sample ID: 580-46089-163
Date Collected: 10/15/14 11:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:32	HJM	TAL SEA

Client Sample ID: 5342-P1 0-6"

Lab Sample ID: 580-46089-164
Date Collected: 10/16/14 11:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:36	HJM	TAL SEA

Client Sample ID: 5342-P1 12-18"

Lab Sample ID: 580-46089-165
Date Collected: 10/16/14 11:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:41	HJM	TAL SEA

Client Sample ID: 5342-P1 24-30"

Lab Sample ID: 580-46089-166
Date Collected: 10/16/14 11:28
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:45	HJM	TAL SEA

Client Sample ID: 5342-P2 0-6"

Lab Sample ID: 580-46089-167
Date Collected: 10/16/14 12:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:50	HJM	TAL SEA

Client Sample ID: 5342-P2 12-18"

Lab Sample ID: 580-46089-168
Date Collected: 10/16/14 12:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:54	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P2 24-30"

Lab Sample ID: 580-46089-169
Date Collected: 10/16/14 12:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 13:59	HJM	TAL SEA

Client Sample ID: 5342-P3 0-6"

Lab Sample ID: 580-46089-170
Date Collected: 10/16/14 12:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:09	HJM	TAL SEA

Client Sample ID: 5342-P3 12-18"

Lab Sample ID: 580-46089-171
Date Collected: 10/16/14 12:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:14	HJM	TAL SEA

Client Sample ID: 5342-P3 24-30"

Lab Sample ID: 580-46089-172
Date Collected: 10/16/14 12:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:29	HJM	TAL SEA

Client Sample ID: 5342-P4 0-6"

Lab Sample ID: 580-46089-173
Date Collected: 10/16/14 13:31
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:34	HJM	TAL SEA

Client Sample ID: 5342-P4 12-18"

Lab Sample ID: 580-46089-174
Date Collected: 10/16/14 13:31
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:38	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P4 24-30"

Lab Sample ID: 580-46089-175
Date Collected: 10/16/14 13:31
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:43	HJM	TAL SEA

Client Sample ID: 5342-P5 0-6"

Lab Sample ID: 580-46089-176
Date Collected: 10/16/14 14:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:47	HJM	TAL SEA

Client Sample ID: 5342-P5 12-18"

Lab Sample ID: 580-46089-177
Date Collected: 10/16/14 14:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174366	10/30/14 12:39	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 14:51	HJM	TAL SEA

Client Sample ID: 5342-P5 24-30"

Lab Sample ID: 580-46089-178
Date Collected: 10/16/14 14:05
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 15:14	HJM	TAL SEA

Client Sample ID: 5342-P6 0-6"

Lab Sample ID: 580-46089-179
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:06	HJM	TAL SEA

Client Sample ID: 5342-P6 12-18"

Lab Sample ID: 580-46089-180
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:10	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 5342-P6 24-30"

Lab Sample ID: 580-46089-181
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:15	HJM	TAL SEA

Client Sample ID: 5342-P6 0-6" DUP

Lab Sample ID: 580-46089-182
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:51	HJM	TAL SEA

Client Sample ID: 5342-P6 12-18" DUP

Lab Sample ID: 580-46089-183
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:49	HJM	TAL SEA

Client Sample ID: 5342-P6 24-30" DUP

Lab Sample ID: 580-46089-184
Date Collected: 10/16/14 14:44
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:53	HJM	TAL SEA

Client Sample ID: 140-P1 0-6"

Lab Sample ID: 580-46089-185
Date Collected: 10/16/14 16:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 16:57	HJM	TAL SEA

Client Sample ID: 140-P1 12-18"

Lab Sample ID: 580-46089-186
Date Collected: 10/16/14 16:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:01	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P1 24-30"

Lab Sample ID: 580-46089-187
Date Collected: 10/16/14 16:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:05	HJM	TAL SEA

Client Sample ID: 140-P2 0-6"

Lab Sample ID: 580-46089-188
Date Collected: 10/16/14 17:01
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:15	HJM	TAL SEA

Client Sample ID: 140-P2 12-18"

Lab Sample ID: 580-46089-189
Date Collected: 10/16/14 17:01
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:19	HJM	TAL SEA

Client Sample ID: 140-P2 24-30"

Lab Sample ID: 580-46089-190
Date Collected: 10/16/14 17:01
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:23	HJM	TAL SEA

Client Sample ID: 140-P3 0-6"

Lab Sample ID: 580-46089-191
Date Collected: 10/17/14 07:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:28	HJM	TAL SEA

Client Sample ID: 140-P3 12-18"

Lab Sample ID: 580-46089-192
Date Collected: 10/17/14 07:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:32	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P3 24-30"

Lab Sample ID: 580-46089-193
Date Collected: 10/17/14 07:46
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:36	HJM	TAL SEA

Client Sample ID: 140-P4 0-6"

Lab Sample ID: 580-46089-194
Date Collected: 10/17/14 08:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:41	HJM	TAL SEA

Client Sample ID: 140-P4 12-18"

Lab Sample ID: 580-46089-195
Date Collected: 10/17/14 08:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174383	10/30/14 14:15	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174523	10/31/14 17:44	HJM	TAL SEA

Client Sample ID: 140-P4 24-30"

Lab Sample ID: 580-46089-196
Date Collected: 10/17/14 08:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:09	HJM	TAL SEA

Client Sample ID: 140-P5 0-6"

Lab Sample ID: 580-46089-197
Date Collected: 10/17/14 08:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:31	HJM	TAL SEA

Client Sample ID: 140-P5 12-18"

Lab Sample ID: 580-46089-198
Date Collected: 10/17/14 08:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:34	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 140-P5 24-30"

Lab Sample ID: 580-46089-199
Date Collected: 10/17/14 08:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:38	HJM	TAL SEA

Client Sample ID: 1124-P1 0-6"

Lab Sample ID: 580-46089-200
Date Collected: 10/17/14 09:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:41	HJM	TAL SEA

Client Sample ID: 1124-P1 12-18"

Lab Sample ID: 580-46089-201
Date Collected: 10/17/14 09:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:44	HJM	TAL SEA

Client Sample ID: 1124-P1 24-30"

Lab Sample ID: 580-46089-202
Date Collected: 10/17/14 09:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:47	HJM	TAL SEA

Client Sample ID: 1124-P2 0-6"

Lab Sample ID: 580-46089-203
Date Collected: 10/17/14 09:51
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:51	HJM	TAL SEA

Client Sample ID: 1124-P2 12-18"

Lab Sample ID: 580-46089-204
Date Collected: 10/17/14 09:51
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:54	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P2 24-30"

Lab Sample ID: 580-46089-205
Date Collected: 10/17/14 09:51
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 00:57	HJM	TAL SEA

Client Sample ID: 1124-P3 0-6"

Lab Sample ID: 580-46089-206
Date Collected: 10/17/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:06	HJM	TAL SEA

Client Sample ID: 1124-P3 12-18"

Lab Sample ID: 580-46089-207
Date Collected: 10/17/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:10	HJM	TAL SEA

Client Sample ID: 1124-P3 24-30"

Lab Sample ID: 580-46089-208
Date Collected: 10/17/14 10:15
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:13	HJM	TAL SEA

Client Sample ID: 1124-P4 0-6"

Lab Sample ID: 580-46089-209
Date Collected: 10/17/14 10:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:16	HJM	TAL SEA

Client Sample ID: 1124-P4 12-18"

Lab Sample ID: 580-46089-210
Date Collected: 10/17/14 10:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:20	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P4 24-30"

Lab Sample ID: 580-46089-211
Date Collected: 10/17/14 10:50
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:23	HJM	TAL SEA

Client Sample ID: 1124-P5 0-6"

Lab Sample ID: 580-46089-212
Date Collected: 10/17/14 11:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:26	HJM	TAL SEA

Client Sample ID: 1124-P5 12-18"

Lab Sample ID: 580-46089-213
Date Collected: 10/17/14 11:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174384	10/30/14 14:18	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:30	HJM	TAL SEA

Client Sample ID: 1124-P5 24-30"

Lab Sample ID: 580-46089-214
Date Collected: 10/17/14 11:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 01:51	HJM	TAL SEA

Client Sample ID: 1124-P5 30-36"

Lab Sample ID: 580-46089-215
Date Collected: 10/17/14 11:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:13	HJM	TAL SEA

Client Sample ID: 1124-P6 0-6"

Lab Sample ID: 580-46089-216
Date Collected: 10/17/14 13:06
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:16	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 1124-P6 12-18"

Lab Sample ID: 580-46089-217
Date Collected: 10/17/14 13:06
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:20	HJM	TAL SEA

Client Sample ID: 1124-P6 24-30"

Lab Sample ID: 580-46089-218
Date Collected: 10/17/14 13:06
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:23	HJM	TAL SEA

Client Sample ID: TANK-P1 0-6"

Lab Sample ID: 580-46089-219
Date Collected: 10/17/14 13:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:26	HJM	TAL SEA

Client Sample ID: TANK-P1 12-18"

Lab Sample ID: 580-46089-220
Date Collected: 10/17/14 13:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:30	HJM	TAL SEA

Client Sample ID: TANK-P1 24-30"

Lab Sample ID: 580-46089-221
Date Collected: 10/17/14 13:25
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:33	HJM	TAL SEA

Client Sample ID: TANK-P2 0-6"

Lab Sample ID: 580-46089-222
Date Collected: 10/17/14 14:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:37	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P2 12-18"

Lab Sample ID: 580-46089-223
Date Collected: 10/17/14 14:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:40	HJM	TAL SEA

Client Sample ID: TANK-P2 24-30"

Lab Sample ID: 580-46089-224
Date Collected: 10/17/14 14:04
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:49	HJM	TAL SEA

Client Sample ID: TANK-P3 0-6"

Lab Sample ID: 580-46089-225
Date Collected: 10/17/14 14:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:53	HJM	TAL SEA

Client Sample ID: TANK-P3 12-18"

Lab Sample ID: 580-46089-226
Date Collected: 10/17/14 14:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:56	HJM	TAL SEA

Client Sample ID: TANK-P3 24-30"

Lab Sample ID: 580-46089-227
Date Collected: 10/17/14 14:35
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 02:59	HJM	TAL SEA

Client Sample ID: TANK-P4 0-6"

Lab Sample ID: 580-46089-228
Date Collected: 10/17/14 14:58
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:03	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: TANK-P4 12-18"

Lab Sample ID: 580-46089-229
Matrix: Solid
Date Collected: 10/17/14 14:58
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:06	HJM	TAL SEA

Client Sample ID: TANK-P4 24-30"

Lab Sample ID: 580-46089-230
Matrix: Solid
Date Collected: 10/17/14 14:58
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:09	HJM	TAL SEA

Client Sample ID: 400-P1 0-6"

Lab Sample ID: 580-46089-231
Matrix: Solid
Date Collected: 10/18/14 08:48
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174387	10/30/14 14:57	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:13	HJM	TAL SEA

Client Sample ID: 400-P1 12-18"

Lab Sample ID: 580-46089-232
Matrix: Solid
Date Collected: 10/18/14 08:48
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:34	HJM	TAL SEA

Client Sample ID: 400-P1 24-30"

Lab Sample ID: 580-46089-233
Matrix: Solid
Date Collected: 10/18/14 08:48
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:55	HJM	TAL SEA

Client Sample ID: 400-P2 0-6"

Lab Sample ID: 580-46089-234
Matrix: Solid
Date Collected: 10/18/14 09:03
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 03:59	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 400-P2 12-18"

Lab Sample ID: 580-46089-235
Date Collected: 10/18/14 09:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:02	HJM	TAL SEA

Client Sample ID: 400-P2 24-30"

Lab Sample ID: 580-46089-236
Date Collected: 10/18/14 09:03
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:05	HJM	TAL SEA

Client Sample ID: 400-P3 0-6"

Lab Sample ID: 580-46089-237
Date Collected: 10/18/14 09:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:08	HJM	TAL SEA

Client Sample ID: 400-P3 12-18"

Lab Sample ID: 580-46089-238
Date Collected: 10/18/14 09:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:12	HJM	TAL SEA

Client Sample ID: 400-P3 24-30"

Lab Sample ID: 580-46089-239
Date Collected: 10/18/14 09:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:15	HJM	TAL SEA

Client Sample ID: 425-P1 0-6"

Lab Sample ID: 580-46089-240
Date Collected: 10/18/14 07:01
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:18	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 425-P2 0-6"

Lab Sample ID: 580-46089-241
Date Collected: 10/18/14 07:08
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:21	HJM	TAL SEA

Client Sample ID: 426-P1 0-6"

Lab Sample ID: 580-46089-242
Date Collected: 10/18/14 07:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:30	HJM	TAL SEA

Client Sample ID: 426-P1 12-18"

Lab Sample ID: 580-46089-243
Date Collected: 10/18/14 07:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:34	HJM	TAL SEA

Client Sample ID: 426-P1 24-30"

Lab Sample ID: 580-46089-244
Date Collected: 10/18/14 07:22
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:37	HJM	TAL SEA

Client Sample ID: 3501-P2 0-6"

Lab Sample ID: 580-46089-245
Date Collected: 10/18/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:40	HJM	TAL SEA

Client Sample ID: 3501-P2 12-18"

Lab Sample ID: 580-46089-246
Date Collected: 10/18/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:43	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P2 24-30"

Lab Sample ID: 580-46089-247
Date Collected: 10/18/14 14:59
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:47	HJM	TAL SEA

Client Sample ID: 3501-P3 0-6"

Lab Sample ID: 580-46089-248
Date Collected: 10/18/14 15:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:50	HJM	TAL SEA

Client Sample ID: 3501-P3 12-18"

Lab Sample ID: 580-46089-249
Date Collected: 10/18/14 15:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174400	10/30/14 16:09	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 04:53	HJM	TAL SEA

Client Sample ID: 3501-P3 24-30"

Lab Sample ID: 580-46089-250
Date Collected: 10/18/14 15:20
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:14	HJM	TAL SEA

Client Sample ID: 3501-P7 0-6"

Lab Sample ID: 580-46089-251
Date Collected: 10/18/14 14:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:36	HJM	TAL SEA

Client Sample ID: 3501-P7 12-18"

Lab Sample ID: 580-46089-252
Date Collected: 10/18/14 14:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:39	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3501-P7 24-30"

Lab Sample ID: 580-46089-253
Date Collected: 10/18/14 14:37
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:43	HJM	TAL SEA

Client Sample ID: 347-P1 0-6"

Lab Sample ID: 580-46089-254
Date Collected: 10/18/14 12:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:46	HJM	TAL SEA

Client Sample ID: 347-P1 12-18"

Lab Sample ID: 580-46089-255
Date Collected: 10/18/14 12:38
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:50	HJM	TAL SEA

Client Sample ID: 347-P3 0-6"

Lab Sample ID: 580-46089-256
Date Collected: 10/18/14 13:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:53	HJM	TAL SEA

Client Sample ID: 347-P3 12-18"

Lab Sample ID: 580-46089-257
Date Collected: 10/18/14 13:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:56	HJM	TAL SEA

Client Sample ID: 347-P3 24-30"

Lab Sample ID: 580-46089-258
Date Collected: 10/18/14 13:18
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 05:59	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 347-P6 0-6"

Lab Sample ID: 580-46089-259
Date Collected: 10/18/14 13:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:03	HJM	TAL SEA

Client Sample ID: 347-P6 12-18"

Lab Sample ID: 580-46089-260
Date Collected: 10/18/14 13:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:12	HJM	TAL SEA

Client Sample ID: 347-P6 24-30"

Lab Sample ID: 580-46089-261
Date Collected: 10/18/14 13:40
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:15	HJM	TAL SEA

Client Sample ID: 347-P7 0-6"

Lab Sample ID: 580-46089-262
Date Collected: 10/18/14 14:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:18	HJM	TAL SEA

Client Sample ID: 347-P7 12-18"

Lab Sample ID: 580-46089-263
Date Collected: 10/18/14 14:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:21	HJM	TAL SEA

Client Sample ID: 347-P7 24-30"

Lab Sample ID: 580-46089-264
Date Collected: 10/18/14 14:10
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:24	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: 3127W-P1 0-6"

Lab Sample ID: 580-46089-265
Date Collected: 10/18/14 16:32
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:28	HJM	TAL SEA

Client Sample ID: 3127W-P1 12-18"

Lab Sample ID: 580-46089-266
Date Collected: 10/18/14 16:32
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:31	HJM	TAL SEA

Client Sample ID: 3127W-P1 24-30"

Lab Sample ID: 580-46089-267
Date Collected: 10/18/14 16:32
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174401	10/30/14 16:12	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174582	11/01/14 06:34	HJM	TAL SEA

Client Sample ID: 3126E-P2 0-6"

Lab Sample ID: 580-46089-268
Date Collected: 10/18/14 16:07
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174404	10/30/14 16:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174657	11/03/14 11:07	HJM	TAL SEA

Client Sample ID: 3126E-P2 12-18"

Lab Sample ID: 580-46089-269
Date Collected: 10/18/14 16:07
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174404	10/30/14 16:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174657	11/03/14 11:29	HJM	TAL SEA

Client Sample ID: 3126E-P2 24-30"

Lab Sample ID: 580-46089-270
Date Collected: 10/18/14 16:07
Matrix: Solid
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174404	10/30/14 16:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174657	11/03/14 11:32	HJM	TAL SEA

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Client Sample ID: EQUIPMENT RINSATE — Lab Sample ID: 580-46089-273

Date Collected: 10/18/14 17:40 — **Matrix: Water**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			174477	10/31/14 11:14	PAB	TAL SEA
Total Recoverable	Analysis	6010B		1	175003	11/05/14 15:22	SPP	TAL SEA

Client Sample ID: 3503-CHIP A — Lab Sample ID: 580-46089-274

Date Collected: 10/16/14 10:30 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174404	10/30/14 16:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174657	11/03/14 11:38	HJM	TAL SEA

Client Sample ID: 3503-CHIP C — Lab Sample ID: 580-46089-275

Date Collected: 10/16/14 10:35 — **Matrix: Solid**
Date Received: 10/23/14 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			174404	10/30/14 16:48	PAB	TAL SEA
Total/NA	Analysis	6010B		1	174657	11/03/14 11:41	HJM	TAL SEA

Laboratory References:

TAL SEA = TestAmerica Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Laboratory: TestAmerica Seattle

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-022	03-04-15
California	State Program	9	2901	01-31-15
L-A-B	DoD ELAP		L2236	01-19-16
L-A-B	ISO/IEC 17025		L2236	01-19-16
Montana (UST)	State Program	8	N/A	04-30-20
Oregon	NELAP	10	WA100007	11-06-15
USDA	Federal		P330-11-00222	04-08-17
Washington	State Program	10	C553	02-17-15

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-1	5309-P16 0-6	Solid	10/01/14 13:27	10/23/14 09:40
580-46089-2	5309-P16 12-18	Solid	10/01/14 13:27	10/23/14 09:40
580-46089-3	5309-P16 24-30	Solid	10/01/14 13:27	10/23/14 09:40
580-46089-4	5309-P18 0-6	Solid	10/01/14 13:45	10/23/14 09:40
580-46089-5	5309-P18 12-18	Solid	10/01/14 13:45	10/23/14 09:40
580-46089-6	5309-P18 24-30	Solid	10/01/14 13:45	10/23/14 09:40
580-46089-7	5309-P19 0-6	Solid	10/01/14 14:44	10/23/14 09:40
580-46089-8	5309-P19 12-18	Solid	10/01/14 14:44	10/23/14 09:40
580-46089-9	5309-P19 24-30	Solid	10/01/14 14:44	10/23/14 09:40
580-46089-10	5309-P20 0-6	Solid	10/01/14 15:25	10/23/14 09:40
580-46089-11	5309-P20 12-18	Solid	10/01/14 15:25	10/23/14 09:40
580-46089-12	5309-P20 24-30	Solid	10/01/14 15:25	10/23/14 09:40
580-46089-13	5309-P21 0-6	Solid	10/01/14 15:59	10/23/14 09:40
580-46089-14	5309-P21 12-18	Solid	10/01/14 15:59	10/23/14 09:40
580-46089-15	5309-P21 24-30	Solid	10/01/14 15:59	10/23/14 09:40
580-46089-16	5309-P22 0-6	Solid	10/01/14 16:55	10/23/14 09:40
580-46089-17	5309-P22 12-18	Solid	10/01/14 16:55	10/23/14 09:40
580-46089-18	5309-P22 24-30	Solid	10/01/14 16:55	10/23/14 09:40
580-46089-19	5309-P23 0-6	Solid	10/02/14 15:36	10/23/14 09:40
580-46089-20	5309-P23 12-18	Solid	10/02/14 15:36	10/23/14 09:40
580-46089-21	5309-P23 24-30	Solid	10/02/14 15:36	10/23/14 09:40
580-46089-22	5309-P23 0-6 DUP	Solid	10/02/14 15:39	10/23/14 09:40
580-46089-23	5309-P23 12-18 DUP	Solid	10/02/14 15:39	10/23/14 09:40
580-46089-24	5309-P23 24-30 DUP	Solid	10/02/14 15:39	10/23/14 09:40
580-46089-25	5309-P24 0-6	Solid	10/02/14 16:27	10/23/14 09:40
580-46089-26	5309-P24 12-18	Solid	10/02/14 16:27	10/23/14 09:40
580-46089-27	5309-P24 24-30	Solid	10/02/14 16:27	10/23/14 09:40
580-46089-28	5309-P25 0-6	Solid	10/03/14 07:50	10/23/14 09:40
580-46089-29	5309-P25 12-18	Solid	10/03/14 07:50	10/23/14 09:40
580-46089-30	5309-P25 24-30	Solid	10/03/14 07:50	10/23/14 09:40
580-46089-31	5309-P26 0-6	Solid	10/03/14 08:25	10/23/14 09:40
580-46089-32	5309-P26 12-18	Solid	10/03/14 08:25	10/23/14 09:40
580-46089-33	5309-P26 24-30	Solid	10/03/14 08:25	10/23/14 09:40
580-46089-34	DU-4 MIS (4) 0-2"	Solid	09/24/14 13:40	10/23/14 09:40
580-46089-35	DU-4 MIS (4) 0-2" DUP	Solid	09/24/14 14:17	10/23/14 09:40
580-46089-36	DU-4 MIS (2) 0-2"	Solid	09/26/14 15:30	10/23/14 09:40
580-46089-37	DU-4 MIS (2) 0-2" DUP	Solid	09/26/14 15:46	10/23/14 09:40
580-46089-38	DU-4 MIS (3) 0-2"	Solid	09/26/14 12:44	10/23/14 09:40
580-46089-39	DU-4 MIS (3) 0-2" DUP	Solid	09/26/14 13:25	10/23/14 09:40
580-46089-40	DU-4 MIS (5) 0-2"	Solid	09/26/14 07:47	10/23/14 09:40
580-46089-41	DU-4 MIS (5) 0-2" DUP	Solid	09/26/14 08:20	10/23/14 09:40
580-46089-42	DU-4 MIS (5) 0-2" TRIPLICATE	Solid	09/26/14 08:48	10/23/14 09:40
580-46089-43	DU-4 MIS (1) 0-2"	Solid	09/27/14 09:51	10/23/14 09:40
580-46089-44	DU-4 MIS (1) 0-2" DUP	Solid	09/27/14 10:25	10/23/14 09:40
580-46089-45	DU-7 MIS (4) 0-2"	Solid	10/02/14 10:10	10/23/14 09:40
580-46089-46	DU-7 MIS (4) 0-2" DUP	Solid	10/02/14 11:41	10/23/14 09:40
580-46089-47	DU-7 MIS (5) 0-2"	Solid	10/02/14 13:51	10/23/14 09:40
580-46089-48	DU-7 MIS (5) 0-2" DUP	Solid	10/02/14 14:14	10/23/14 09:40
580-46089-49	DU-7 MIS (5) 0-2" TRIPLICATE	Solid	10/02/14 14:31	10/23/14 09:40
580-46089-50	DU-7 MIS (1) 0-2"	Solid	10/03/14 14:15	10/23/14 09:40
580-46089-51	DU-7 MIS (1) 0-2" DUP	Solid	10/03/14 14:40	10/23/14 09:40
580-46089-52	DU-7 MIS (2) 0-2"	Solid	10/04/14 09:56	10/23/14 09:40
580-46089-53	DU-7 MIS (2) 0-2" DUP	Solid	10/04/14 10:23	10/23/14 09:40

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-54	DU-7 MIS (3) 0-2"	Solid	10/06/14 15:33	10/23/14 09:40
580-46089-55	DU-7 MIS (3) 0-2" DUP	Solid	10/06/14 16:05	10/23/14 09:40
580-46089-56	FH 48-P1 0-6"	Solid	10/09/14 11:10	10/23/14 09:40
580-46089-57	FH 48-P1 12-18"	Solid	10/09/14 11:10	10/23/14 09:40
580-46089-58	FH 48-P1 24-30"	Solid	10/09/14 11:10	10/23/14 09:40
580-46089-59	FH 48-P2 0-6"	Solid	10/09/14 11:34	10/23/14 09:40
580-46089-60	FH 48-P2 12-18"	Solid	10/09/14 11:34	10/23/14 09:40
580-46089-61	FH 48-P2 24-30"	Solid	10/09/14 11:34	10/23/14 09:40
580-46089-62	FH 48-P3 0-6"	Solid	10/09/14 11:50	10/23/14 09:40
580-46089-63	FH 48-P3 12-18"	Solid	10/09/14 11:50	10/23/14 09:40
580-46089-64	FH 48-P3 24-30"	Solid	10/09/14 11:50	10/23/14 09:40
580-46089-65	FH 77-P1 0-6"	Solid	10/10/14 09:31	10/23/14 09:40
580-46089-66	FH 77-P1 12-18"	Solid	10/10/14 09:31	10/23/14 09:40
580-46089-67	FH 77-P2 0-6"	Solid	10/10/14 10:15	10/23/14 09:40
580-46089-68	FH 77-P2 12-18"	Solid	10/10/14 10:15	10/23/14 09:40
580-46089-69	FH 77-P2 24-30"	Solid	10/10/14 10:15	10/23/14 09:40
580-46089-70	FH 77-P3 0-6"	Solid	10/10/14 10:41	10/23/14 09:40
580-46089-71	FH 77-P3 12-18"	Solid	10/10/14 10:41	10/23/14 09:40
580-46089-72	FH 77-P3 24-30"	Solid	10/10/14 10:41	10/23/14 09:40
580-46089-73	FH 54-P1 0-6"	Solid	10/10/14 11:19	10/23/14 09:40
580-46089-74	FH 54-P1 12-18"	Solid	10/10/14 11:19	10/23/14 09:40
580-46089-75	FH 54-P1 24-30"	Solid	10/10/14 11:19	10/23/14 09:40
580-46089-76	FH 54-P2 0-6"	Solid	10/10/14 11:45	10/23/14 09:40
580-46089-77	FH 54-P2 12-18"	Solid	10/10/14 11:45	10/23/14 09:40
580-46089-78	FH 54-P2 24-30"	Solid	10/10/14 11:45	10/23/14 09:40
580-46089-79	FH 54-P3 0-6"	Solid	10/10/14 13:05	10/23/14 09:40
580-46089-80	FH 54-P3 12-18"	Solid	10/10/14 13:05	10/23/14 09:40
580-46089-81	FH 54-P3 24-30"	Solid	10/10/14 13:05	10/23/14 09:40
580-46089-82	FH 37-P1 0-6"	Solid	10/13/14 08:46	10/23/14 09:40
580-46089-83	FH 37-P1 12-18"	Solid	10/13/14 08:46	10/23/14 09:40
580-46089-84	FH 37-P1 24-30"	Solid	10/13/14 08:46	10/23/14 09:40
580-46089-85	FH 37-P2 0-6"	Solid	10/13/14 09:18	10/23/14 09:40
580-46089-86	FH 37-P2 12-18"	Solid	10/13/14 09:18	10/23/14 09:40
580-46089-87	FH 37-P2 24-30"	Solid	10/13/14 09:18	10/23/14 09:40
580-46089-88	FH 37-P3 0-6"	Solid	10/13/14 09:45	10/23/14 09:40
580-46089-89	FH 37-P3 12-18"	Solid	10/13/14 09:45	10/23/14 09:40
580-46089-90	FH 37-P3 24-30"	Solid	10/13/14 09:45	10/23/14 09:40
580-46089-91	FH 44-P1 0-6"	Solid	10/13/14 11:21	10/23/14 09:40
580-46089-92	FH 44-P1 12-18"	Solid	10/13/14 11:21	10/23/14 09:40
580-46089-93	FH 44-P1 24-30"	Solid	10/13/14 11:21	10/23/14 09:40
580-46089-94	FH 44-P2 0-6"	Solid	10/13/14 13:03	10/23/14 09:40
580-46089-95	FH 44-P2 12-18"	Solid	10/13/14 13:03	10/23/14 09:40
580-46089-96	FH 44-P2 24-30"	Solid	10/13/14 13:03	10/23/14 09:40
580-46089-97	FH 44-P2 30-36"	Solid	10/13/14 13:03	10/23/14 09:40
580-46089-98	FH 44-P3 0-6"	Solid	10/13/14 13:24	10/23/14 09:40
580-46089-99	FH 44-P3 12-18"	Solid	10/13/14 13:24	10/23/14 09:40
580-46089-100	FH 44-P3 24-30"	Solid	10/13/14 13:24	10/23/14 09:40
580-46089-101	FH 24-P1 0-6"	Solid	10/13/14 14:02	10/23/14 09:40
580-46089-102	FH 24-P1 12-18"	Solid	10/13/14 14:02	10/23/14 09:40
580-46089-103	FH 24-P1 24-30"	Solid	10/13/14 14:02	10/23/14 09:40
580-46089-104	FH 24-P2 0-6"	Solid	10/13/14 14:27	10/23/14 09:40
580-46089-105	FH 24-P2 12-18"	Solid	10/13/14 14:27	10/23/14 09:40
580-46089-106	FH 24-P2 24-30"	Solid	10/13/14 14:27	10/23/14 09:40

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-107	FH 24-P3 0-6"	Solid	10/13/14 14:50	10/23/14 09:40
580-46089-108	FH 24-P3 12-18"	Solid	10/13/14 14:50	10/23/14 09:40
580-46089-109	FH 24-P3 24-30"	Solid	10/13/14 14:50	10/23/14 09:40
580-46089-110	FH 24-P3 0-6" DUP	Solid	10/13/14 14:54	10/23/14 09:40
580-46089-111	FH 24-P3 12-18" DUP	Solid	10/13/14 14:54	10/23/14 09:40
580-46089-112	FH 24-P3 24-30" DUP	Solid	10/13/14 14:54	10/23/14 09:40
580-46089-113	FH 70-P1 0-6"	Solid	10/13/14 15:50	10/23/14 09:40
580-46089-114	FH 70-P1 12-18"	Solid	10/13/14 15:50	10/23/14 09:40
580-46089-115	FH 70-P1 24-30"	Solid	10/13/14 15:50	10/23/14 09:40
580-46089-116	FH 70-P2 0-6"	Solid	10/13/14 16:28	10/23/14 09:40
580-46089-117	FH 70-P2 12-18"	Solid	10/13/14 16:28	10/23/14 09:40
580-46089-118	FH 70-P2 24-30"	Solid	10/13/14 16:28	10/23/14 09:40
580-46089-119	FH 70-P3 0-6"	Solid	10/13/14 16:38	10/23/14 09:40
580-46089-120	FH 70-P3 12-18"	Solid	10/13/14 16:38	10/23/14 09:40
580-46089-121	FH 70-P3 24-30"	Solid	10/13/14 16:38	10/23/14 09:40
580-46089-122	FH 02-P1 0-6"	Solid	10/14/14 07:16	10/23/14 09:40
580-46089-123	FH 02-P1 12-18"	Solid	10/14/14 07:16	10/23/14 09:40
580-46089-124	FH 02-P1 24-30"	Solid	10/14/14 07:16	10/23/14 09:40
580-46089-125	FH 02-P2 0-6"	Solid	10/14/14 07:43	10/23/14 09:40
580-46089-126	FH 02-P2 12-18"	Solid	10/14/14 07:43	10/23/14 09:40
580-46089-127	FH 02-P2 24-30"	Solid	10/14/14 07:43	10/23/14 09:40
580-46089-128	FH 02-P3 0-6"	Solid	10/14/14 08:04	10/23/14 09:40
580-46089-129	FH 02-P3 12-18"	Solid	10/14/14 08:04	10/23/14 09:40
580-46089-130	FH 02-P3 24-30"	Solid	10/14/14 08:04	10/23/14 09:40
580-46089-131	3503-P25 0-6"	Solid	10/14/14 13:10	10/23/14 09:40
580-46089-132	3503-P25 12-18"	Solid	10/14/14 13:10	10/23/14 09:40
580-46089-133	3503-P25 24-30"	Solid	10/14/14 13:10	10/23/14 09:40
580-46089-134	3503-P26 0-6"	Solid	10/14/14 13:47	10/23/14 09:40
580-46089-135	3503-P26 12-18"	Solid	10/14/14 13:47	10/23/14 09:40
580-46089-136	3503-P26 24-30"	Solid	10/14/14 13:47	10/23/14 09:40
580-46089-137	3503-P27 0-6"	Solid	10/14/14 14:15	10/23/14 09:40
580-46089-138	3503-P27 12-18"	Solid	10/14/14 14:15	10/23/14 09:40
580-46089-139	3503-P27 24-30"	Solid	10/14/14 14:15	10/23/14 09:40
580-46089-140	3503-P28 0-6"	Solid	10/14/14 14:59	10/23/14 09:40
580-46089-141	3503-P28 12-18"	Solid	10/14/14 14:59	10/23/14 09:40
580-46089-142	3503-P28 24-30"	Solid	10/14/14 14:59	10/23/14 09:40
580-46089-143	3503-P29 0-6"	Solid	10/14/14 15:23	10/23/14 09:40
580-46089-144	3503-P29 12-18"	Solid	10/14/14 15:23	10/23/14 09:40
580-46089-145	3503-P29 24-30"	Solid	10/14/14 15:23	10/23/14 09:40
580-46089-146	3502-P27 0-6"	Solid	10/15/14 08:01	10/23/14 09:40
580-46089-147	3502-P27 12-18"	Solid	10/15/14 08:01	10/23/14 09:40
580-46089-148	3502-P27 24-30"	Solid	10/15/14 08:01	10/23/14 09:40
580-46089-149	3502-P28 0-6"	Solid	10/15/14 08:42	10/23/14 09:40
580-46089-150	3502-P28 12-18"	Solid	10/15/14 08:42	10/23/14 09:40
580-46089-151	3502-P28 24-30"	Solid	10/15/14 08:42	10/23/14 09:40
580-46089-152	3502-P29 0-6"	Solid	10/15/14 09:38	10/23/14 09:40
580-46089-153	3502-P29 12-18"	Solid	10/15/14 09:38	10/23/14 09:40
580-46089-154	3502-P29 24-30"	Solid	10/15/14 09:38	10/23/14 09:40
580-46089-155	3504-P28 0-6"	Solid	10/15/14 10:16	10/23/14 09:40
580-46089-156	3504-P28 12-18"	Solid	10/15/14 10:16	10/23/14 09:40
580-46089-157	3504-P28 24-30"	Solid	10/15/14 10:16	10/23/14 09:40
580-46089-158	3504-P28 0-6" DUP	Solid	10/15/14 10:16	10/23/14 09:40
580-46089-159	3504-P28 12-18" DUP	Solid	10/15/14 10:16	10/23/14 09:40

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-160	3504-P28 24-30" DUP	Solid	10/15/14 10:16	10/23/14 09:40
580-46089-161	3504-P29 0-6"	Solid	10/15/14 11:22	10/23/14 09:40
580-46089-162	3504-P29 12-18"	Solid	10/15/14 11:22	10/23/14 09:40
580-46089-163	3504-P29 24-30"	Solid	10/15/14 11:22	10/23/14 09:40
580-46089-164	5342-P1 0-6"	Solid	10/16/14 11:28	10/23/14 09:40
580-46089-165	5342-P1 12-18"	Solid	10/16/14 11:28	10/23/14 09:40
580-46089-166	5342-P1 24-30"	Solid	10/16/14 11:28	10/23/14 09:40
580-46089-167	5342-P2 0-6"	Solid	10/16/14 12:20	10/23/14 09:40
580-46089-168	5342-P2 12-18"	Solid	10/16/14 12:20	10/23/14 09:40
580-46089-169	5342-P2 24-30"	Solid	10/16/14 12:20	10/23/14 09:40
580-46089-170	5342-P3 0-6"	Solid	10/16/14 12:46	10/23/14 09:40
580-46089-171	5342-P3 12-18"	Solid	10/16/14 12:46	10/23/14 09:40
580-46089-172	5342-P3 24-30"	Solid	10/16/14 12:46	10/23/14 09:40
580-46089-173	5342-P4 0-6"	Solid	10/16/14 13:31	10/23/14 09:40
580-46089-174	5342-P4 12-18"	Solid	10/16/14 13:31	10/23/14 09:40
580-46089-175	5342-P4 24-30"	Solid	10/16/14 13:31	10/23/14 09:40
580-46089-176	5342-P5 0-6"	Solid	10/16/14 14:05	10/23/14 09:40
580-46089-177	5342-P5 12-18"	Solid	10/16/14 14:05	10/23/14 09:40
580-46089-178	5342-P5 24-30"	Solid	10/16/14 14:05	10/23/14 09:40
580-46089-179	5342-P6 0-6"	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-180	5342-P6 12-18"	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-181	5342-P6 24-30"	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-182	5342-P6 0-6" DUP	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-183	5342-P6 12-18" DUP	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-184	5342-P6 24-30" DUP	Solid	10/16/14 14:44	10/23/14 09:40
580-46089-185	140-P1 0-6"	Solid	10/16/14 16:35	10/23/14 09:40
580-46089-186	140-P1 12-18"	Solid	10/16/14 16:35	10/23/14 09:40
580-46089-187	140-P1 24-30"	Solid	10/16/14 16:35	10/23/14 09:40
580-46089-188	140-P2 0-6"	Solid	10/16/14 17:01	10/23/14 09:40
580-46089-189	140-P2 12-18"	Solid	10/16/14 17:01	10/23/14 09:40
580-46089-190	140-P2 24-30"	Solid	10/16/14 17:01	10/23/14 09:40
580-46089-191	140-P3 0-6"	Solid	10/17/14 07:46	10/23/14 09:40
580-46089-192	140-P3 12-18"	Solid	10/17/14 07:46	10/23/14 09:40
580-46089-193	140-P3 24-30"	Solid	10/17/14 07:46	10/23/14 09:40
580-46089-194	140-P4 0-6"	Solid	10/17/14 08:10	10/23/14 09:40
580-46089-195	140-P4 12-18"	Solid	10/17/14 08:10	10/23/14 09:40
580-46089-196	140-P4 24-30"	Solid	10/17/14 08:10	10/23/14 09:40
580-46089-197	140-P5 0-6"	Solid	10/17/14 08:37	10/23/14 09:40
580-46089-198	140-P5 12-18"	Solid	10/17/14 08:37	10/23/14 09:40
580-46089-199	140-P5 24-30"	Solid	10/17/14 08:37	10/23/14 09:40
580-46089-200	1124-P1 0-6"	Solid	10/17/14 09:25	10/23/14 09:40
580-46089-201	1124-P1 12-18"	Solid	10/17/14 09:25	10/23/14 09:40
580-46089-202	1124-P1 24-30"	Solid	10/17/14 09:25	10/23/14 09:40
580-46089-203	1124-P2 0-6"	Solid	10/17/14 09:51	10/23/14 09:40
580-46089-204	1124-P2 12-18"	Solid	10/17/14 09:51	10/23/14 09:40
580-46089-205	1124-P2 24-30"	Solid	10/17/14 09:51	10/23/14 09:40
580-46089-206	1124-P3 0-6"	Solid	10/17/14 10:15	10/23/14 09:40
580-46089-207	1124-P3 12-18"	Solid	10/17/14 10:15	10/23/14 09:40
580-46089-208	1124-P3 24-30"	Solid	10/17/14 10:15	10/23/14 09:40
580-46089-209	1124-P4 0-6"	Solid	10/17/14 10:50	10/23/14 09:40
580-46089-210	1124-P4 12-18"	Solid	10/17/14 10:50	10/23/14 09:40
580-46089-211	1124-P4 24-30"	Solid	10/17/14 10:50	10/23/14 09:40
580-46089-212	1124-P5 0-6"	Solid	10/17/14 11:25	10/23/14 09:40

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-213	1124-P5 12-18"	Solid	10/17/14 11:25	10/23/14 09:40
580-46089-214	1124-P5 24-30"	Solid	10/17/14 11:25	10/23/14 09:40
580-46089-215	1124-P5 30-36"	Solid	10/17/14 11:25	10/23/14 09:40
580-46089-216	1124-P6 0-6"	Solid	10/17/14 13:06	10/23/14 09:40
580-46089-217	1124-P6 12-18"	Solid	10/17/14 13:06	10/23/14 09:40
580-46089-218	1124-P6 24-30"	Solid	10/17/14 13:06	10/23/14 09:40
580-46089-219	TANK-P1 0-6"	Solid	10/17/14 13:25	10/23/14 09:40
580-46089-220	TANK-P1 12-18"	Solid	10/17/14 13:25	10/23/14 09:40
580-46089-221	TANK-P1 24-30"	Solid	10/17/14 13:25	10/23/14 09:40
580-46089-222	TANK-P2 0-6"	Solid	10/17/14 14:04	10/23/14 09:40
580-46089-223	TANK-P2 12-18"	Solid	10/17/14 14:04	10/23/14 09:40
580-46089-224	TANK-P2 24-30"	Solid	10/17/14 14:04	10/23/14 09:40
580-46089-225	TANK-P3 0-6"	Solid	10/17/14 14:35	10/23/14 09:40
580-46089-226	TANK-P3 12-18"	Solid	10/17/14 14:35	10/23/14 09:40
580-46089-227	TANK-P3 24-30"	Solid	10/17/14 14:35	10/23/14 09:40
580-46089-228	TANK-P4 0-6"	Solid	10/17/14 14:58	10/23/14 09:40
580-46089-229	TANK-P4 12-18"	Solid	10/17/14 14:58	10/23/14 09:40
580-46089-230	TANK-P4 24-30"	Solid	10/17/14 14:58	10/23/14 09:40
580-46089-231	400-P1 0-6"	Solid	10/18/14 08:48	10/23/14 09:40
580-46089-232	400-P1 12-18"	Solid	10/18/14 08:48	10/23/14 09:40
580-46089-233	400-P1 24-30"	Solid	10/18/14 08:48	10/23/14 09:40
580-46089-234	400-P2 0-6"	Solid	10/18/14 09:03	10/23/14 09:40
580-46089-235	400-P2 12-18"	Solid	10/18/14 09:03	10/23/14 09:40
580-46089-236	400-P2 24-30"	Solid	10/18/14 09:03	10/23/14 09:40
580-46089-237	400-P3 0-6"	Solid	10/18/14 09:22	10/23/14 09:40
580-46089-238	400-P3 12-18"	Solid	10/18/14 09:22	10/23/14 09:40
580-46089-239	400-P3 24-30"	Solid	10/18/14 09:22	10/23/14 09:40
580-46089-240	425-P1 0-6"	Solid	10/18/14 07:01	10/23/14 09:40
580-46089-241	425-P2 0-6"	Solid	10/18/14 07:08	10/23/14 09:40
580-46089-242	426-P1 0-6"	Solid	10/18/14 07:22	10/23/14 09:40
580-46089-243	426-P1 12-18"	Solid	10/18/14 07:22	10/23/14 09:40
580-46089-244	426-P1 24-30"	Solid	10/18/14 07:22	10/23/14 09:40
580-46089-245	3501-P2 0-6"	Solid	10/18/14 14:59	10/23/14 09:40
580-46089-246	3501-P2 12-18"	Solid	10/18/14 14:59	10/23/14 09:40
580-46089-247	3501-P2 24-30"	Solid	10/18/14 14:59	10/23/14 09:40
580-46089-248	3501-P3 0-6"	Solid	10/18/14 15:20	10/23/14 09:40
580-46089-249	3501-P3 12-18"	Solid	10/18/14 15:20	10/23/14 09:40
580-46089-250	3501-P3 24-30"	Solid	10/18/14 15:20	10/23/14 09:40
580-46089-251	3501-P7 0-6"	Solid	10/18/14 14:37	10/23/14 09:40
580-46089-252	3501-P7 12-18"	Solid	10/18/14 14:37	10/23/14 09:40
580-46089-253	3501-P7 24-30"	Solid	10/18/14 14:37	10/23/14 09:40
580-46089-254	347-P1 0-6"	Solid	10/18/14 12:38	10/23/14 09:40
580-46089-255	347-P1 12-18"	Solid	10/18/14 12:38	10/23/14 09:40
580-46089-256	347-P3 0-6"	Solid	10/18/14 13:18	10/23/14 09:40
580-46089-257	347-P3 12-18"	Solid	10/18/14 13:18	10/23/14 09:40
580-46089-258	347-P3 24-30"	Solid	10/18/14 13:18	10/23/14 09:40
580-46089-259	347-P6 0-6"	Solid	10/18/14 13:40	10/23/14 09:40
580-46089-260	347-P6 12-18"	Solid	10/18/14 13:40	10/23/14 09:40
580-46089-261	347-P6 24-30"	Solid	10/18/14 13:40	10/23/14 09:40
580-46089-262	347-P7 0-6"	Solid	10/18/14 14:10	10/23/14 09:40
580-46089-263	347-P7 12-18"	Solid	10/18/14 14:10	10/23/14 09:40
580-46089-264	347-P7 24-30"	Solid	10/18/14 14:10	10/23/14 09:40
580-46089-265	3127W-P1 0-6"	Solid	10/18/14 16:32	10/23/14 09:40

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: Midway Soil Sampling 2014

TestAmerica Job ID: 580-46089-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-46089-266	3127W-P1 12-18"	Solid	10/18/14 16:32	10/23/14 09:40
580-46089-267	3127W-P1 24-30"	Solid	10/18/14 16:32	10/23/14 09:40
580-46089-268	3126E-P2 0-6"	Solid	10/18/14 16:07	10/23/14 09:40
580-46089-269	3126E-P2 12-18"	Solid	10/18/14 16:07	10/23/14 09:40
580-46089-270	3126E-P2 24-30"	Solid	10/18/14 16:07	10/23/14 09:40
580-46089-273	EQUIPMENT RINSATE	Water	10/18/14 17:40	10/23/14 09:40
580-46089-274	3503-CHIP A	Solid	10/16/14 10:30	10/23/14 09:40
580-46089-275	3503-CHIP C	Solid	10/16/14 10:35	10/23/14 09:40

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	1 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			Job / SDG No.:
Site: Midway Atoll	☐ 2 days			
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
1	5309-P16 0-6	-1	0-6	10/1/14	1327	C	Soil	1			X	No preservative. Soil analyzed wet weight
2	5309-P16 12-18	-2	12-18	10/1/14	1327	G	Soil	1			X	No preservative. Soil analyzed wet weight
3	5309-P16 24-30	-3	24-30	10/1/14	1327	G	Soil	1			X	No preservative. Soil analyzed wet weight
4	5309-P17 0-6 ~asphalt~		0-6					0				No preservative. Soil analyzed wet weight
5	5309-P17 12-18 ~asphalt~		12-18					0				No preservative. Soil analyzed wet weight
6	5309-P17 24-30 ~asphalt~		24-30					0				No preservative. Soil analyzed wet weight
7	5309-P18 0-6	-4	0-6	10/1/14	1345	C	Soil	1			X	No preservative. Soil analyzed wet weight
8	5309-P18 12-18	-5	12-18	10/1/14	1345	G	Soil	1			X	No preservative. Soil analyzed wet weight
9	5309-P18 24-30	-6	24-30	10/1/14	1345	G	Soil	1			X	No preservative. Soil analyzed wet weight
10	5309-P19 0-6	-7	0-6	10/1/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
11	5309-P19 12-18	-8	12-18	10/1/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
12	5309-P19 24-30	-9	24-30	10/1/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
13	5309-P20 0-6	-10	0-6	10/1/14	1525	C	Soil	1			X	No preservative. Soil analyzed wet weight
14	5309-P20 12-18	-11	12-18	10/1/14	1525	G	Soil	1			X	No preservative. Soil analyzed wet weight
15	5309-P20 24-30	-12	24-30	10/1/14	1525	G	Soil	1			X	No preservative. Soil analyzed wet weight
16	5309-P21 0-6	-13	0-6	10/1/14	1559	C	Soil	1			X	No preservative. Soil analyzed wet weight
17	5309-P21 12-18	-14	12-18	10/1/14	1559	G	Soil	1			X	No preservative. Soil analyzed wet weight
18	5309-P21 24-30	-15	24-30	10/1/14	1559	G	Soil	1			X	No preservative. Soil analyzed wet weight
19	5309-P22 0-6	-16	0-6	10/1/14	1655	C	Soil	1			X	No preservative. Soil analyzed wet weight
20	5309-P22 12-18	-17	12-18	10/1/14	1655	G	Soil	1			X	No preservative. Soil analyzed wet weight
21	5309-P22 24-30	-18	24-30	10/1/14	1655	G	Soil	1			X	No preservative. Soil analyzed wet weight
22	5309-P23 0-6	-19	0-6	10/2/14	1536	C	Soil	1			X	No preservative. Soil analyzed wet weight
23	5309-P23 12-18	-20	12-18	10/2/14	1536	G	Soil	1			X	No preservative. Soil analyzed wet weight
24	5309-P23 24-30	-21	24-30	10/2/14	1536	G	Soil	1			X	No preservative. Soil analyzed wet weight
25	5309-P23 0-6 DUP	-22	0-6	10/2/14	1539	C	Soil	1			X	No preservative. Soil analyzed wet weight
26	5309-P23 12-18 DUP	-23	12-18	10/2/14	1539	G	Soil	1			X	No preservative. Soil analyzed wet weight

#1
Cooler/TB Dig/IR cor 14.9 unc 15.8
Cooler Dsc _____ @ Lab
~~Wet/Packs~~ Packing
WC S FEDEX P.O.

(1) w/cs
Cooler/TB Dig/IR cor 15.4 unc 16.3
Cooler Dsc Bucket @ Lab
~~Wet/Packs~~ Packing None
Fed PO

Bag #2 (1) 14.3 w/cs TB 15.3 15.3/16.9
Cooler/TB Dig/IR cor 15.3 unc 16.9
Cooler Dsc Bucket @ Lab 15.3
~~Wet/Packs~~ Packing None

580-46089 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 [illegible]

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	2 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
27	5309-P23 24-30 DUP	-24	24-30	10/2/14	1539	G	Soil	1			X	No preservative. Soil analyzed wet weight
28	5309-P24 0-6	-25	0-6	10/2/14	1627	C	Soil	1			X	No preservative. Soil analyzed wet weight
29	5309-P24 12-18	-26	12-18	10/2/14	1627	G	Soil	1			X	No preservative. Soil analyzed wet weight
30	5309-P24 24-30	-27	24-30	10/2/14	1627	G	Soil	1			X	No preservative. Soil analyzed wet weight
31	5309-P25 0-6	-28	0-6	10/3/14	0750	C	Soil	1			X	No preservative. Soil analyzed wet weight
32	5309-P25 12-18	-29	12-18	10/3/14	0750	G	Soil	1			X	No preservative. Soil analyzed wet weight
33	5309-P25 24-30	-30	24-30	10/3/14	0750	G	Soil	1			X	No preservative. Soil analyzed wet weight
34	5309-P26 0-6	-31	0-6	10/3/14	0825	C	Soil	1			X	No preservative. Soil analyzed wet weight
35	5309-P26 12-18	-32	12-18	10/3/14	0825	G	Soil	1			X	No preservative. Soil analyzed wet weight
36	5309-P26 24-30	-33	24-30	10/3/14	0825	G	Soil	1			X	No preservative. Soil analyzed wet weight
37	DU-4 MIS (4) 0-2"	-34	0-2"	9/24/14	1340	C	Soil	1			X	No preservative. Soil analyzed wet weight
38	DU-4 MIS (4) 0-2" DUP	-35	0-2"	9/24/14	1417	C	Soil	1			X	No preservative. Soil analyzed wet weight
39	DU-4 MIS (2) 0-2"	-36	0-2"	9/26/14	1530	C	Soil	1			X	No preservative. Soil analyzed wet weight
40	DU-4 MIS (2) 0-2" DUP	-37	0-2"	9/26/14	1546	C	Soil	1			X	No preservative. Soil analyzed wet weight
41	DU-4 MIS (3) 0-2"	-38	0-2"	9/26/14	1244	C	Soil	1			X	No preservative. Soil analyzed wet weight
42	DU-4 MIS (3) 0-2" DUP	-39	0-2"	9/26/14	1325	C	Soil	1			X	No preservative. Soil analyzed wet weight
43	DU-4 MIS (5) 0-2"	-40	0-2"	9/26/14	0747	C	Soil	1			X	No preservative. Soil analyzed wet weight
44	DU-4 MIS (5) 0-2" DUP	-41	0-2"	9/26/14	0820	C	Soil	1			X	No preservative. Soil analyzed wet weight
45	DU-4 MIS (5) 0-2" TRIPLICATE	-42	0-2"	9/26/14	0848	C	Soil	1			X	No preservative. Soil analyzed wet weight
46	DU-4 MIS (1) 0-2"	-43	0-2"	9/27/14	0951	C	Soil	1			X	No preservative. Soil analyzed wet weight
47	DU-4 MIS (1) 0-2" DUP	-44	0-2"	9/27/14	1025	C	Soil	1			X	No preservative. Soil analyzed wet weight
48	DU-7 MIS (4) 0-2"	-45	0-2"	10/2/14	1010	C	Soil	1			X	No preservative. Soil analyzed wet weight
49	DU-7 MIS (4) 0-2" DUP	-46	0-2"	10/2/14	1141	C	Soil	1			X	No preservative. Soil analyzed wet weight
50	DU-7 MIS (5) 0-2"	-47	0-2"	10/2/14	1351	C	Soil	1			X	No preservative. Soil analyzed wet weight
51	DU-7 MIS (5) 0-2" DUP	-48	0-2"	10/2/14	1414	C	Soil	1			X	No preservative. Soil analyzed wet weight
52	DU-7 MIS (5) 0-2" TRIPLICATE	-49	0-2"	10/2/14	1431	C	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10-23-14 09:45

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	3 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
53	DU-7 MIS (1) 0-2"	-50	0-2"	10/3/14	1415	C	Soil	1			X	No preservative. Soil analyzed wet weight
54	DU-7 MIS (1) 0-2" DUP	-51	0-2"	10/3/14	1440	C	Soil	1			X	No preservative. Soil analyzed wet weight
55	DU-7 MIS (2) 0-2"	-52	0-2"	10/4/14	0956	C	Soil	1			X	No preservative. Soil analyzed wet weight
56	DU-7 MIS (2) 0-2" DUP	-53	0-2"	10/4/14	1023	C	Soil	1			X	No preservative. Soil analyzed wet weight
57	DU-7 MIS (3) 0-2"	-54	0-2"	10/6/14	1533	C	Soil	1			X	No preservative. Soil analyzed wet weight
58	DU-7 MIS (3) 0-2" DUP	-55	0-2"	10/6/14	1605	C	Soil	1			X	No preservative. Soil analyzed wet weight
59	FH 48-P1 0-6"	-56	0-6"	10/9/14	1110	C	Soil	1			X	No preservative. Soil analyzed wet weight
60	FH 48-P1 12-18"	-57	12-18"	10/9/14	1110	G	Soil	1			X	No preservative. Soil analyzed wet weight
61	FH 48-P1 24-30"	-58	24-30"	10/9/14	1110	G	Soil	1			X	No preservative. Soil analyzed wet weight
62	FH 48-P2 0-6"	-59	0-6"	10/9/14	1134	C	Soil	1			X	No preservative. Soil analyzed wet weight
63	FH 48-P2 12-18"	-60	12-18"	10/9/14	1134	G	Soil	1			X	No preservative. Soil analyzed wet weight
64	FH 48-P2 24-30"	-61	24-30"	10/9/14	1134	G	Soil	1			X	No preservative. Soil analyzed wet weight
65	FH 48-P3 0-6"	-62	0-6"	10/9/14	1150	C	Soil	1			X	No preservative. Soil analyzed wet weight
66	FH 48-P3 12-18"	-63	12-18"	10/9/14	1150	G	Soil	1			X	No preservative. Soil analyzed wet weight
67	FH 48-P3 24-30"	-64	24-30"	10/9/14	1150	G	Soil	1			X	No preservative. Soil analyzed wet weight
68	FH 77-P1 0-6"	-65	0-6"	10/10/14	0931	C	Soil	1			X	No preservative. Soil analyzed wet weight
69	FH 77-P1 12-18"	-66	12-18"	10/10/14	0931	G	Soil	1			X	No preservative. Soil analyzed wet weight
70	FH 77-P1 24-30" ~refusal~		24-30"					0				No preservative. Soil analyzed wet weight
71	FH 77-P2 0-6"	-67	0-6"	10/10/14	1015	C	Soil	1			X	No preservative. Soil analyzed wet weight
72	FH 77-P2 12-18"	-68	12-18"	10/10/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
73	FH 77-P2 24-30"	-69	24-30"	10/10/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
74	FH 77-P3 0-6"	-70	0-6"	10/10/14	1041	C	Soil	1			X	No preservative. Soil analyzed wet weight
75	FH 77-P3 12-18"	-71	12-18"	10/10/14	1041	G	Soil	1			X	No preservative. Soil analyzed wet weight
76	FH 77-P3 24-30"	-72	24-30"	10/10/14	1041	G	Soil	1			X	No preservative. Soil analyzed wet weight
77	FH 54-P1 0-6"	-73	0-6"	10/10/14	1119	C	Soil	1			X	No preservative. Soil analyzed wet weight
78	FH 54-P1 12-18"	-74	12-18"	10/10/14	1119	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by: See final page for signed chain of custody for all pages	Company:	Date/Time:	Received by: David Buchli	Company: TA HNL	Date/Time: 10/21/14 intact 27.2°C
Relinquished by: David Buchli	Company: TA HNL	Date/Time: 10/22/14 930	Received by: [illegible]	Company: TA SEA	Date/Time: 10/23/14 01:48 20.4°C
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	4 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
79	FH 54-P1 24-30"	-75	24-30"	10/10/14	1119	G	Soil	1			X	No preservative. Soil analyzed wet weight
80	FH 54-P2 0-6"	-76	0-6"	10/10/14	1145	C	Soil	1			X	No preservative. Soil analyzed wet weight
81	FH 54-P2 12-18"	-77	12-18"	10/10/14	1145	G	Soil	1			X	No preservative. Soil analyzed wet weight
82	FH 54-P2 24-30"	-78	24-30"	10/10/14	1145	G	Soil	1			X	No preservative. Soil analyzed wet weight
83	FH 54-P3 0-6"	-79	0-6"	10/10/14	1305	C	Soil	1			X	No preservative. Soil analyzed wet weight
84	FH 54-P3 12-18"	-80	12-18"	10/10/14	1305	G	Soil	1			X	No preservative. Soil analyzed wet weight
85	FH 54-P3 24-30"	-81	24-30"	10/10/14	1305	G	Soil	1			X	No preservative. Soil analyzed wet weight
86	FH 37-P1 0-6"	-82	0-6"	10/13/14	0846	C	Soil	1			X	No preservative. Soil analyzed wet weight
87	FH 37-P1 12-18"	-83	12-18"	10/13/14	0846	G	Soil	1			X	No preservative. Soil analyzed wet weight
88	FH 37-P1 24-30"	-84	24-30"	10/13/14	0846	G	Soil	1			X	No preservative. Soil analyzed wet weight
89	FH 37-P2 0-6"	-85	0-6"	10/13/14	0918	C	Soil	1			X	No preservative. Soil analyzed wet weight
90	FH 37-P2 12-18"	-86	12-18"	10/13/14	0918	G	Soil	1			X	No preservative. Soil analyzed wet weight
91	FH 37-P2 24-30"	-87	24-30"	10/13/14	0918	G	Soil	1			X	No preservative. Soil analyzed wet weight
92	FH 37-P3 0-6"	-88	0-6"	10/13/14	0945	C	Soil	1			X	No preservative. Soil analyzed wet weight
93	FH 37-P3 12-18"	-89	12-18"	10/13/14	0945	G	Soil	1			X	No preservative. Soil analyzed wet weight
94	FH 37-P3 24-30"	-90	24-30"	10/13/14	0945	G	Soil	1			X	No preservative. Soil analyzed wet weight
95	FH 44-P1 0-6"	-91	0-6"	10/13/14	1121	C	Soil	1			X	No preservative. Soil analyzed wet weight
96	FH 44-P1 12-18"	-92	12-18"	10/13/14	1121	G	Soil	1			X	No preservative. Soil analyzed wet weight
97	FH 44-P1 24-30"	-93	24-30"	10/13/14	1121	G	Soil	1			X	No preservative. Soil analyzed wet weight
98	FH 44-P2 0-6"	-94	0-6"	10/13/14	1303	C	Soil	1			X	No preservative. Soil analyzed wet weight
99	FH 44-P2 12-18"	-95	12-18"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
100	FH 44-P2 24-30"	-96	24-30"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
101	FH 44-P2 30-36"	-97	30-36"	10/13/14	1303	G	Soil	1			X	No preservative. Soil analyzed wet weight
102	FH 44-P3 0-6"	-98	0-6"	10/13/14	1324	C	Soil	1			X	No preservative. Soil analyzed wet weight
103	FH 44-P3 12-18"	-99	12-18"	10/13/14	1324	G	Soil	1			X	No preservative. Soil analyzed wet weight
104	FH 44-P3 24-30"	-100	24-30"	10/13/14	1324	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible signature]	TASEA	10-23-14 09:40

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	5 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
105	FH 24-P1 0-6"	-101	0-6"	10/13/14	1402	C	Soil	1			X	No preservative. Soil analyzed wet weight
106	FH 24-P1 12-18"	-102	12-18"	10/13/14	1402	G	Soil	1			X	No preservative. Soil analyzed wet weight
107	FH 24-P1 24-30"	-103	24-30"	10/13/14	1402	G	Soil	1			X	No preservative. Soil analyzed wet weight
108	FH 24-P2 0-6"	-104	0-6"	10/13/14	1427	C	Soil	1			X	No preservative. Soil analyzed wet weight
109	FH 24-P2 12-18"	-105	12-18"	10/13/14	1427	G	Soil	1			X	No preservative. Soil analyzed wet weight
110	FH 24-P2 24-30"	-106	24-30"	10/13/14	1427	G	Soil	1			X	No preservative. Soil analyzed wet weight
111	FH 24-P3 0-6"	-107	0-6"	10/13/14	1450	C	Soil	1			X	No preservative. Soil analyzed wet weight
112	FH 24-P3 12-18"	-108	12-18"	10/13/14	1450	G	Soil	1			X	No preservative. Soil analyzed wet weight
113	FH 24-P3 24-30"	-109	24-30"	10/13/14	1450	G	Soil	1			X	No preservative. Soil analyzed wet weight
114	FH 24-P3 0-6" DUP	-110	0-6"	10/13/14	1454	C	Soil	1			X	No preservative. Soil analyzed wet weight
115	FH 24-P3 12-18" DUP	-111	12-18"	10/13/14	1454	G	Soil	1			X	No preservative. Soil analyzed wet weight
116	FH 24-P3 24-30" DUP	-112	24-30"	10/13/14	1454	G	Soil	1			X	No preservative. Soil analyzed wet weight
117	FH 70-P1 0-6"	-113	0-6"	10/13/14	1550	C	Soil	1			X	No preservative. Soil analyzed wet weight
118	FH 70-P1 12-18"	-114	12-18"	10/13/14	1550	G	Soil	1			X	No preservative. Soil analyzed wet weight
119	FH 70-P1 24-30"	-115	24-30"	10/13/14	1550	G	Soil	1			X	No preservative. Soil analyzed wet weight
120	FH 70-P2 0-6"	-116	0-6"	10/13/14	1628	C	Soil	1			X	No preservative. Soil analyzed wet weight
121	FH 70-P2 12-18"	-117	12-18"	10/13/14	1628	G	Soil	1			X	No preservative. Soil analyzed wet weight
122	FH 70-P2 24-30"	-118	24-30"	10/13/14	1628	G	Soil	1			X	No preservative. Soil analyzed wet weight
123	FH 70-P3 0-6"	-119	0-6"	10/13/14	1638	C	Soil	1			X	No preservative. Soil analyzed wet weight
124	FH 70-P3 12-18"	-120	12-18"	10/13/14	1638	G	Soil	1			X	No preservative. Soil analyzed wet weight
125	FH 70-P3 24-30"	-121	24-30"	10/13/14	1638	G	Soil	1			X	No preservative. Soil analyzed wet weight
126	FH 02-P1 0-6"	-122	0-6"	10/14/14	0716	C	Soil	1			X	No preservative. Soil analyzed wet weight
127	FH 02-P1 12-18"	-123	12-18"	10/14/14	0716	G	Soil	1			X	No preservative. Soil analyzed wet weight
128	FH 02-P1 24-30"	-124	24-30"	10/14/14	0716	G	Soil	1			X	No preservative. Soil analyzed wet weight
129	FH 02-P2 0-6"	-125	0-6"	10/14/14	0743	C	Soil	1			X	No preservative. Soil analyzed wet weight
130	FH 02-P2 12-18"	-126	12-18"	10/14/14	0743	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl, 3= H_2SO_4, 4=HNO_3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	Ben Simpson	TASEA	10/23/14 09:48

TestAmerica Seattle
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Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	6 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
131	FH 02-P2 24-30"	-127	24-30"	10/14/14	0743	G	Soil	1			X	No preservative. Soil analyzed wet weight
132	FH 02-P3 0-6"	-128	0-6"	10/14/14	0804	C	Soil	1			X	No preservative. Soil analyzed wet weight
133	FH 02-P3 12-18"	-129	12-18"	10/14/14	0804	G	Soil	1			X	No preservative. Soil analyzed wet weight
134	FH 02-P3 24-30"	-130	24-30"	10/14/14	0804	G	Soil	1			X	No preservative. Soil analyzed wet weight
135	3503-P25 0-6"	-131	0-6"	10/14/14	1310	C	Soil	1			X	No preservative. Soil analyzed wet weight
136	3503-P25 12-18"	-132	12-18"	10/14/14	1310	G	Soil	1			X	No preservative. Soil analyzed wet weight
137	3503-P25 24-30"	-133	24-30"	10/14/14	1310	G	Soil	1			X	No preservative. Soil analyzed wet weight
138	3503-P26 0-6"	-134	0-6"	10/14/14	1347	C	Soil	1			X	No preservative. Soil analyzed wet weight
139	3503-P26 12-18"	-135	12-18"	10/14/14	1347	G	Soil	1			X	No preservative. Soil analyzed wet weight
140	3503-P26 24-30"	-136	24-30"	10/14/14	1347	G	Soil	1			X	No preservative. Soil analyzed wet weight
141	3503-P27 0-6"	-137	0-6"	10/14/14	1415	C	Soil	1			X	No preservative. Soil analyzed wet weight
142	3503-P27 12-18"	-138	12-18"	10/14/14	1415	G	Soil	1			X	No preservative. Soil analyzed wet weight
143	3503-P27 24-30"	-139	24-30"	10/14/14	1415	G	Soil	1			X	No preservative. Soil analyzed wet weight
144	3503-P28 0-6"	-140	0-6"	10/14/14	1459	C	Soil	1			X	No preservative. Soil analyzed wet weight
145	3503-P28 12-18"	-141	12-18"	10/14/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
146	3503-P28 24-30"	-142	24-30"	10/14/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
147	3503-P29 0-6"	-143	0-6"	10/14/14	1523	C	Soil	1			X	No preservative. Soil analyzed wet weight
148	3503-P29 12-18"	-144	12-18"	10/14/14	1523	G	Soil	1			X	No preservative. Soil analyzed wet weight
149	3503-P29 24-30"	-145	24-30"	10/14/14	1523	G	Soil	1			X	No preservative. Soil analyzed wet weight
150	3502-P27 0-6"	-146	0-6"	10/15/14	0801	C	Soil	1			X	No preservative. Soil analyzed wet weight
151	3502-P27 12-18"	-147	12-18"	10/15/14	0801	G	Soil	1			X	No preservative. Soil analyzed wet weight
152	3502-P27 24-30"	-148	24-30"	10/15/14	0801	G	Soil	1			X	No preservative. Soil analyzed wet weight
153	3502-P28 0-6"	-149	0-6"	10/15/14	0842	C	Soil	1			X	No preservative. Soil analyzed wet weight
154	3502-P28 12-18"	-150	12-18"	10/15/14	0842	G	Soil	1			X	No preservative. Soil analyzed wet weight
155	3502-P28 24-30"	-151	24-30"	10/15/14	0842	G	Soil	1			X	No preservative. Soil analyzed wet weight
156	3502-P29 0-6"	-152	0-6"	10/15/14	0938	C	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by: See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.2°C
Relinquished by: David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10-23-14 [illegible]
Relinquished by:			Received in Laboratory by:		
Relinquished by:			Received in Laboratory by:		

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Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	7 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

~~40~~ 46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
157	3502-P29 12-18"	-153	12-18"	10/15/14	0938	G	Soil	1			X	No preservative. Soil analyzed wet weight
158	3502-P29 24-30"	-154	24-30"	10/15/14	0938	G	Soil	1			X	No preservative. Soil analyzed wet weight
159	3504-P28 0-6"	-155	0-6"	10/15/14	1016	C	Soil	1			X	No preservative. Soil analyzed wet weight
160	3504-P28 12-18"	-156	12-18"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
161	3504-P28 24-30"	-157	24-30"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
162	3504-P28 0-6" DUP	-158	0-6"	10/15/14	1016	C	Soil	1			X	No preservative. Soil analyzed wet weight
163	3504-P28 12-18" DUP	-159	12-18"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
164	3504-P28 24-30" DUP	-160	24-30"	10/15/14	1016	G	Soil	1			X	No preservative. Soil analyzed wet weight
165	3504-P29 0-6"	-161	0-6"	10/15/14	1122	C	Soil	1			X	No preservative. Soil analyzed wet weight
166	3504-P29 12-18"	-162	12-18"	10/15/14	1122	G	Soil	1			X	No preservative. Soil analyzed wet weight
167	3504-P29 24-30"	-163	24-30"	10/15/14	1122	G	Soil	1			X	No preservative. Soil analyzed wet weight
168	5342-P1 0-6"	-164	0-6"	10/16/14	1128	C	Soil	1			X	No preservative. Soil analyzed wet weight
169	5342-P1 12-18"	-165	12-18"	10/16/14	1128	G	Soil	1			X	No preservative. Soil analyzed wet weight
170	5342-P1 24-30"	-166	24-30"	10/16/14	1128	G	Soil	1			X	No preservative. Soil analyzed wet weight
171	5342-P2 0-6"	-167	0-6"	10/16/14	1220	C	Soil	1			X	No preservative. Soil analyzed wet weight
172	5342-P2 12-18"	-168	12-18"	10/16/14	1220	G	Soil	1			X	No preservative. Soil analyzed wet weight
173	5342-P2 24-30"	-169	24-30"	10/16/14	1220	G	Soil	1			X	No preservative. Soil analyzed wet weight
174	5342-P3 0-6"	-170	0-6"	10/16/14	1246	C	Soil	1			X	No preservative. Soil analyzed wet weight
175	5342-P3 12-18"	-171	12-18"	10/16/14	1246	G	Soil	1			X	No preservative. Soil analyzed wet weight
176	5342-P3 24-30"	-172	24-30"	10/16/14	1246	G	Soil	1			X	No preservative. Soil analyzed wet weight
177	5342-P4 0-6"	-173	0-6"	10/16/14	1331	C	Soil	1			X	No preservative. Soil analyzed wet weight
178	5342-P4 12-18"	-174	12-18"	10/16/14	1331	G	Soil	1			X	No preservative. Soil analyzed wet weight
179	5342-P4 24-30"	-175	24-30"	10/16/14	1331	G	Soil	1			X	No preservative. Soil analyzed wet weight
180	5342-P5 0-6"	-176	0-6"	10/16/14	1405	C	Soil	1			X	No preservative. Soil analyzed wet weight
181	5342-P5 12-18"	-177	12-18"	10/16/14	1405	G	Soil	1			X	No preservative. Soil analyzed wet weight
182	5342-P5 24-30"	-178	24-30"	10/16/14	1405	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 09:45

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Chain of Custody Record

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TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	8 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
183	5342-P6 0-6"	-179	0-6"	10/16/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
184	5342-P6 12-18"	-180	12-18"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
185	5342-P6 24-30"	-181	24-30"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
186	5342-P6 0-6" DUP	-182	0-6"	10/16/14	1444	C	Soil	1			X	No preservative. Soil analyzed wet weight
187	5342-P6 12-18" DUP	-183	12-18"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
188	5342-P6 24-30" DUP	-184	24-30"	10/16/14	1444	G	Soil	1			X	No preservative. Soil analyzed wet weight
189	140-P1 0-6"	-185	0-6"	10/16/14	1635	C	Soil	1			X	No preservative. Soil analyzed wet weight
190	140-P1 12-18"	-186	12-18"	10/16/14	1635	G	Soil	1			X	No preservative. Soil analyzed wet weight
191	140-P1 24-30"	-187	24-30"	10/16/14	1635	G	Soil	1			X	No preservative. Soil analyzed wet weight
192	140-P2 0-6"	-188	0-6"	10/16/14	1701	C	Soil	1			X	No preservative. Soil analyzed wet weight
193	140-P2 12-18"	-189	12-18"	10/16/14	1701	G	Soil	1			X	No preservative. Soil analyzed wet weight
194	140-P2 24-30"	-190	24-30"	10/16/14	1701	G	Soil	1			X	No preservative. Soil analyzed wet weight
195	140-P3 0-6"	-191	0-6"	10/17/14	0746	C	Soil	1			X	No preservative. Soil analyzed wet weight
196	140-P3 12-18"	-192	12-18"	10/17/14	0746	G	Soil	1			X	No preservative. Soil analyzed wet weight
197	140-P3 24-30"	-193	24-30"	10/17/14	0746	G	Soil	1			X	No preservative. Soil analyzed wet weight
198	140-P4 0-6"	-194	0-6"	10/17/14	0810	C	Soil	1			X	No preservative. Soil analyzed wet weight
199	140-P4 12-18"	-195	12-18"	10/17/14	0810	G	Soil	1			X	No preservative. Soil analyzed wet weight
200	140-P4 24-30"	-196	24-30"	10/17/14	0810	G	Soil	1			X	No preservative. Soil analyzed wet weight
201	140-P5 0-6"	-197	0-6"	10/17/14	0837	C	Soil	1			X	No preservative. Soil analyzed wet weight
202	140-P5 12-18"	-198	12-18"	10/17/14	0837	G	Soil	1			X	No preservative. Soil analyzed wet weight
203	140-P5 24-30"	-199	24-30"	10/17/14	0837	G	Soil	1			X	No preservative. Soil analyzed wet weight
204	1124-P1 0-6"	-200	0-6"	10/17/14	0925	C	Soil	1			X	No preservative. Soil analyzed wet weight
205	1124-P1 12-18"	-201	12-18"	10/17/14	0925	G	Soil	1			X	No preservative. Soil analyzed wet weight
206	1124-P1 24-30"	-202	24-30"	10/17/14	0925	G	Soil	1			X	No preservative. Soil analyzed wet weight
207	1124-P2 0-6"	-203	0-6"	10/17/14	0951	C	Soil	1			X	No preservative. Soil analyzed wet weight
208	1124-P2 12-18"	-204	12-18"	10/17/14	0951	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1455 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	10/23/14	TASEA NO ICE 8:40

TestAmerica Seattle
5755 8th Street East
Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	9 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
209	1124-P2 24-30"	-205	24-30"	10/17/14	0951	G	Soil	1			X	No preservative. Soil analyzed wet weight
210	1124-P3 0-6"	-206	0-6"	10/17/14	1015	C	Soil	1			X	No preservative. Soil analyzed wet weight
211	1124-P3 12-18"	-207	12-18"	10/17/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
212	1124-P3 24-30"	-208	24-30"	10/17/14	1015	G	Soil	1			X	No preservative. Soil analyzed wet weight
213	1124-P4 0-6"	-209	0-6"	10/17/14	1050	C	Soil	1			X	No preservative. Soil analyzed wet weight
214	1124-P4 12-18"	-210	12-18"	10/17/14	1050	G	Soil	1			X	No preservative. Soil analyzed wet weight
215	1124-P4 24-30"	-211	24-30"	10/17/14	1050	G	Soil	1			X	No preservative. Soil analyzed wet weight
216	1124-P5 0-6"	-212	0-6"	10/17/14	1125	C	Soil	1			X	No preservative. Soil analyzed wet weight
217	1124-P5 12-18"	-213	12-18"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
218	1124-P5 24-30"	-214	24-30"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
219	1124-P5 30-36"	-215	30-36"	10/17/14	1125	G	Soil	1			X	No preservative. Soil analyzed wet weight
220	1124-P6 0-6"	-216	0-6"	10/17/14	1306	C	Soil	1			X	No preservative. Soil analyzed wet weight
221	1124-P6 12-18"	-217	12-18"	10/17/14	1306	G	Soil	1			X	No preservative. Soil analyzed wet weight
222	1124-P6 24-30"	-218	24-30"	10/17/14	1306	G	Soil	1			X	No preservative. Soil analyzed wet weight
223	TANK-P1 0-6"	-219	0-6"	10/17/14	1325	C	Soil	1			X	No preservative. Soil analyzed wet weight
224	TANK-P1 12-18"	-220	12-18"	10/17/14	1325	G	Soil	1			X	No preservative. Soil analyzed wet weight
225	TANK-P1 24-30"	-221	24-30"	10/17/14	1325	G	Soil	1			X	No preservative. Soil analyzed wet weight
226	TANK-P2 0-6"	-222	0-6"	10/17/14	1404	C	Soil	1			X	No preservative. Soil analyzed wet weight
227	TANK-P2 12-18"	-223	12-18"	10/17/14	1404	G	Soil	1			X	No preservative. Soil analyzed wet weight
228	TANK-P2 24-30"	-224	24-30"	10/17/14	1404	G	Soil	1			X	No preservative. Soil analyzed wet weight
229	TANK-P3 0-6"	-225	0-6"	10/17/14	1435	C	Soil	1			X	No preservative. Soil analyzed wet weight
230	TANK-P3 12-18"	-226	12-18"	10/17/14	1435	G	Soil	1			X	No preservative. Soil analyzed wet weight
231	TANK-P3 24-30"	-227	24-30"	10/17/14	1435	G	Soil	1			X	No preservative. Soil analyzed wet weight
232	TANK-P4 0-6"	-228	0-6"	10/17/14	1458	C	Soil	1			X	No preservative. Soil analyzed wet weight
233	TANK-P4 12-18"	-229	12-18"	10/17/14	1458	G	Soil	1			X	No preservative. Soil analyzed wet weight
234	TANK-P4 24-30"	-230	24-30"	10/17/14	1458	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 [illegible]

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	10 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION	SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	EPA 6010 (Pb)	Sample Specific Notes:
235	400-P1 0-6" -231	0-6"	10/18/14	0848	C	Soil	1			X	No preservative. Soil analyzed wet weight
236	400-P1 12-18" -232	12-18"	10/18/14	0848	G	Soil	1			X	No preservative. Soil analyzed wet weight
237	400-P1 24-30" -233	24-30"	10/18/14	0848	G	Soil	1			X	No preservative. Soil analyzed wet weight
238	400-P2 0-6" -234	0-6"	10/18/14	0903	C	Soil	1			X	No preservative. Soil analyzed wet weight
239	400-P2 12-18" -235	12-18"	10/18/14	0903	G	Soil	1			X	No preservative. Soil analyzed wet weight
240	400-P2 24-30" -236	24-30"	10/18/14	0903	G	Soil	1			X	No preservative. Soil analyzed wet weight
241	400-P3 0-6" -237	0-6"	10/18/14	0922	C	Soil	1			X	No preservative. Soil analyzed wet weight
242	400-P3 12-18" -238	12-18"	10/18/14	0922	G	Soil	1			X	No preservative. Soil analyzed wet weight
243	400-P3 24-30" -239	24-30"	10/18/14	0922	G	Soil	1			X	No preservative. Soil analyzed wet weight
244	425-P1 0-6" -240	0-6"	10/18/14	0701	C	Soil	1			X	No preservative. Soil analyzed wet weight
245	425-P1 12-18" -Refusal asphalt-	12-18"					0				No preservative. Soil analyzed wet weight
246	425-P1 24-30" -Refusal asphalt-	24-30"					0				No preservative. Soil analyzed wet weight
247	425-P2 0-6" -241	0-6"	10/18/14	0708	C	Soil	1			X	No preservative. Soil analyzed wet weight
248	425-P2 12-18" -Refusal asphalt-	12-18"					0				No preservative. Soil analyzed wet weight
249	425-P2 24-30" -Refusal asphalt-	24-30"					0				No preservative. Soil analyzed wet weight
250	426-P1 0-6" -242	0-6"	10/18/14	0722	C	Soil	1			X	No preservative. Soil analyzed wet weight
251	426-P1 12-18" -243	12-18"	10/18/14	0722	G	Soil	1			X	No preservative. Soil analyzed wet weight
252	426-P1 24-30" -244	24-30"	10/18/14	0722	G	Soil	1			X	No preservative. Soil analyzed wet weight
253	3501-P2 0-6" -245	0-6"	10/18/14	1459	C	Soil	1			X	No preservative. Soil analyzed wet weight
254	3501-P2 12-18" -246	12-18"	10/18/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
255	3501-P2 24-30" -247	24-30"	10/18/14	1459	G	Soil	1			X	No preservative. Soil analyzed wet weight
256	3501-P3 0-6" -248	0-6"	10/18/14	1520	C	Soil	1			X	No preservative. Soil analyzed wet weight
257	3501-P3 12-18" -249	12-18"	10/18/14	1520	G	Soil	1			X	No preservative. Soil analyzed wet weight
258	3501-P3 24-30" -250	24-30"	10/18/14	1520	G	Soil	1			X	No preservative. Soil analyzed wet weight
259	3501-P7 0-6" -251	0-6"	10/18/14	1437	C	Soil	1			X	No preservative. Soil analyzed wet weight
260	3501-P7 12-18" -252	12-18"	10/18/14	1437	G	Soil	1			X	No preservative. Soil analyzed wet weight

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
See final page for signed chain of custody for all pages			David Buchli	TA HNL	10/21/14 1655 intact 27.0°C
David Buchli	TA HNL	10/22/14 930	[illegible]	TASEA	10/23/14 09:20
			Received in Laboratory by:	Company:	Date/Time:
			Received in Laboratory by:	Company:	Date/Time:

TestAmerica Seattle
5755 8th Street East

Tacoma, WA 98424
phone 253.922.2310 fax

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Joey Hickey	Site Contact: Scott Wakefield	Date: 10/20/2014	COC No:
Geosyntec Consultants	Tel/Fax: 971-271-5897	Lab Contact:	Carrier:	11 of 11 COCs
621 SW Morrison Street, Suite 600	Analysis Turnaround Time			Sampler:
Portland, Oregon 97205	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(971) 271-5897 Phone	TAT if different from Below _____			Walk-in Client:
(971) 271-5884 FAX	☑ 2 weeks			Lab Sampling:
Project Name: Midway Soil Sampling 2014	☐ 1 week			
Site: Midway Atoll	☐ 2 days			Job / SDG No.:
P O # PNG0627	☐ 1 day			

46089

	CLIENT SAMPLE IDENTIFICATION		SAMPLE DEPTH	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	EPA 6010 (Pb)	Sample Specific Notes:
261	3501-P7 24-30"	-253	24-30"	10/18/14	1437	G	Soil	1			X	No preservative. Soil analyzed wet weight
262	347-P1 0-6"	-254	0-6"	10/18/14	1238	C	Soil	1			X	No preservative. Soil analyzed wet weight
263	347-P1 12-18"	-255	12-18"	10/18/14	1238	G	Soil	1			X	No preservative. Soil analyzed wet weight
264	347-P1 24-30"	-refusal-	24-30"					0				No preservative. Soil analyzed wet weight
265	347-P3 0-6"	-256	0-6"	10/18/14	1318	C	Soil	1			X	No preservative. Soil analyzed wet weight
266	347-P3 12-18"	-257	12-18"	10/18/14	1318	G	Soil	1			X	No preservative. Soil analyzed wet weight
267	347-P3 24-30"	-258	24-30"	10/18/14	1318	G	Soil	1			X	No preservative. Soil analyzed wet weight
268	347-P6 0-6"	-259	0-6"	10/18/14	1340	C	Soil	1			X	No preservative. Soil analyzed wet weight
269	347-P6 12-18"	-260	12-18"	10/18/14	1340	G	Soil	1			X	No preservative. Soil analyzed wet weight
270	347-P6 24-30"	-261	24-30"	10/18/14	1340	G	Soil	1			X	No preservative. Soil analyzed wet weight
271	347-P7 0-6"	-262	0-6"	10/18/14	1410	C	Soil	1			X	No preservative. Soil analyzed wet weight
272	347-P7 12-18"	-263	12-18"	10/18/14	1410	G	Soil	1			X	No preservative. Soil analyzed wet weight
273	347-P7 24-30"	-264	24-30"	10/18/14	1410	G	Soil	1			X	No preservative. Soil analyzed wet weight
274	3127W-P1 0-6"	-265	0-6"	10/18/14	1632	C	Soil	1			X	No preservative. Soil analyzed wet weight
275	3127W-P1 12-18"	-266	12-18"	10/18/14	1632	G	Soil	1			X	No preservative. Soil analyzed wet weight
276	3127W-P1 24-30"	-267	24-30"	10/18/14	1632	G	Soil	1			X	No preservative. Soil analyzed wet weight
277	3126E-P2 0-6"	-268	0-6"	10/18/14	1607	C	Soil	1			X	No preservative. Soil analyzed wet weight
278	3126E-P2 12-18"	-269	12-18"	10/18/14	1607	G	Soil	1			X	No preservative. Soil analyzed wet weight
279	3126E-P2 24-30"	-270	24-30"	10/18/14	1607	G	Soil	1			X	No preservative. Soil analyzed wet weight
280	R2/CELL3 0-6"	-271	0-6"	10/15/14	1540	C	Soil	1			X	No preservative. Soil analyzed wet weight
281	TRIP BLANK	-272	---	---	---	voa	W	1			X	HCL
282	EQUIPMENT RINSATE	-273	---	10/18/14	1740	500ml	W	1			X	Nitric Acid
283	3503-CHIP A	-274	0-10"	10/16/14	1030	---	---	1			X	Loose paint chips, multi colors green, white,
284	3503-CHIP C	-275	0-10"	10/16/14	1035	---	---	1			X	Loose paint chips, multi colors green, white,
285		~~-276~~										
286												

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Poison B ☐ Skin Irritant ☐ Flammable ☐ Flammable ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments: Rate is per previous contract

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by for all pages:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Scott WAKEFIELD S.WAKEFIELD	GEOSYNTEC	10-21-14/1655	David Buchli	TA HNL	10/21/14 16:55 intact 27.2°C
Relinquished by: David Buchli	Company: TA HNL	Date/Time: 10/22/14 930	Received by: Ben Aspen	Company: TA SEA	Date/Time: 10/23/14 09:40
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

11/7/2014

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 580-46089-1

Login Number: 46089

List Source: TestAmerica Seattle

List Number: 1

Creator: Blankinship, Tom X

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	no
There are no discrepancies between the containers received and the COC.	False	-54 & -55
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/2/2014
Reviewed by: JK Caprio
Review Date 12/19/2014
Lab Report No: TestAmerica Seattle 580-46089-1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Chain of Custody				
Project name provided?	x			
Sample matrix specified?	x			Soil, paint chips, and Equipment Rinsate Blank
Date and time of sampling specified for each sample?	x			
Number and size/type of containers specified?		x		The container types were not specified. There was no impact on the data, so no qualifications were applied to the data.
Preservative(s) specified?	x			The case narrative indicated no sample receiving issues
Analyses required specified? (including site specific instructions)	x			
Method of shipment specified?	x			FedEx
Signature(s), name(s) and affiliation(s) of field staff provided?	x			
Signature(s) and name(s) of recipient for lab provided?	x			
Date & time of receipt by lab provided?	x			
Samples delivered to lab within 48 hours of collection?		x		The samples were collected on September 24, 2014 to October 18, 2014 and were received by the laboratory on October 23, 2013. There was no impact on the data.
Sample Receipt and Log In				
Completed CoC and log-in sheets sent to Geosyntec within 24 hours of receipt by lab?			x	Sending CoC and log sheets was not a QAP requirement.
Cooler temperature $\leq 4 \pm 2$ ºC?		x		The samples were received by the laboratory without ice at 14.9 C, 15.3 C, and 15.4C. However, no qualifications were applied to the total lead data based on professional and technical judgment.
Samples arrived intact and without air bubbles for VOC samples?	x			
Custody seal intact?	x			
Field sample IDs on log-in sheets match CoC?	x			The laboratory noted that the sample IDs for DU-7 MIS (3) 0-2" and DU-7 MIS (3) 0-2" DUP listed a (7) instead of a (3) in the sample ID. The samples were logged in per the COC.
Analytical methods and analytes match those listed in QAP:	x			
List each analytical method here. Make sure that you have specified appropriate analyte list (e.g., PP, TAL, Site Specific, etc.)				
EPA SW-846 3050B/6010B and 3005A/6010B (Total Lead)				
Sample Results				
Results provided for all samples and analyses on CoC?	x			R2/CELL3 0-6" and TRIP BLANK were listed on the COC but not reported. The client did not require these samples analyzed.
Date and time of analysis is reported for all samples and QA/QC samples?	x			
Samples were analyzed within the holding time: Metals (Lead) within 180 days	x			
Units specified with reported results?	x			
Dilutions specified?	x			
RLs adjusted for dilutions?		x		No sample dilutions were performed.
Are RLs less than or equal to QAP specified RLs except for diluted samples?	x			
Detected concentrations less than RL are reported as estimated concentrations?	x			
QA/QC Results				
Analytes not detected in method blanks?		x		Lead was detected at an estimated concentration greater than the MDL and less than the RL in the method blanks in batches 174340, 174384, 174400, 174401, 174404, and 174477.
Compounds detected in method blanks are only detected in samples at concentrations > 5x method blank concentration?		x		The estimated concentrations of lead in samples 3503-P26 24-30" and 426-P1 24-30" were U qualified as not detected at the RL.
Surrogate recoveries meet lab QC acceptance criteria?			x	
MS/MSD meet frequency criteria in QAP (1 in 20)?	x			14 MS/MSD were reported using sample 1124-P5 24-30", 140-P4 24-30", 3126E-P2 0-6", 3501-P3 24-30", 3504-P28 24-30" DUP, 400-P1 12-18", 5309-P16 0-6, 5309-P23 0-6, 5342-P5 24-30", DU-4 MIS (2) 0-2" DUP, FH 02-P2 12-18", FH 24-P3 12-18", FH 37-P1 24-30", FH 48-P3 24-30" for the total 280 soil samples and soil field duplicates collected. Therefore, the 1 in 20 requirement was met.
MS/MSD pre-spike concentration, amount added, %R and RPD reported?	x			
MS/MSD meet QC acceptance criteria in QAP?		x		The recoveries of lead in the MSs using samples 5309-P16 0-6 and FH 02-P2 12-18" were low and outside the QAP limits. Therefore, the concentrations of lead in samples 5309-P16 0-6 and FH 02-P2 12-18" were J- qualified as estimated biased low. The MS recovery of lead was low and the MSD recovery and RPD of lead was high, all outside the QAP limits, in the MS/MSD pair using sample FH 37-P1 24-30". Therefore, the lead concentration in sample FH 37-P1 24-30" was J qualified as estimated. The recoveries of lead in the MS using sample FH 24-P3 12-18" and the MSD using sample 400-P1 12-18", and the RPD in the MS/MSD pair using sample 400-P1 12-18" were high and outside the QAP limits. Therefore, the concentration of lead in sample FH 24-P3 12-18" was J+ qualified as estimated biased high and the concentration of lead in sample 400-P1 12-18" was J+ qualified as estimated. It was noted that the acceptance criteria for the MS/MSD pairs using samples 5309-P23 0-6 and FH 48-P3 24-30" did not apply since the sample concentrations were greater than four times the spiked concentrations. Therefore, no qualifications were applied to samples 5309-P23 0-6 and FH 48-P3 24-30".
LCS/LCSD meet lab QC acceptance criteria?	x			Eighteen LCS/LCSD pairs and two LCS Standard Reference Material were reported. All met the lab QC limits.

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/2/2014
Reviewed by: JK Caprio
Review Date 12/19/2014
Lab Report No: TestAmerica Seattle 580-46089-1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Laboratory duplicates meet frequency criteria in QAP (1 in 20)?	x			Fourteen laboratory duplicates were reported using samples 1124-P5 24-30", 140-P4 24-30", 3126E-P2 0-6", 3501-P3 24-30", 3504-P28 24-30" DUP, 400-P1 12-18", 5309-P16 0-6, 5309-P23 0-6, 5342-P5 24-30", DU-4 MIS (2) 0-2" DUP, FH 02-P2 12-18", FH 24-P3 12-18", FH 37-P1 24-30", and FH 77-P1 12-18" for the total 280 soil samples and soil field duplicates collected. Therefore, the 1 in 20 requirement was met.
Laboratory duplicates meet lab QC acceptance criteria?		x		The RPDs for lead in samples FH 24-P3 12-18", 140-P4 24-30", and 1124-P5 24-30" were high and outside the laboratory limits. Therefore, the concentrations of lead in samples FH 24-P3 12-18", 140-P4 24-30", and 1124-P5 24-30" were J qualified as estimated. For the laboratory duplicate using sample 3504-P28 24-30" DUP, lead was detected in the laboratory duplicate analysis but was not detected in the original analysis. Therefore the non-detect value of lead in sample 3504-P28 24-30" DUP was UJ qualified as estimated less than the RL and the detected value was J qualified as estimated.
Field duplicates meet frequency criteria in QAP (1 in 20)?	x			Twenty-eight field duplicates and two field triplicates were reported for the sampling project of two hundred and fifty-six soil samples. Therefore, the field duplicate frequency was 10.9%, exceeding the QAP requirement of 5%.
Field duplicates meet QC acceptance criteria in QAP?		x		The field duplicates were summarized on the calculation tab. For RPDs greater than the QAP limit (RPD>30%) the concentrations in the field duplicate pair were J qualified as estimated. For field duplicate results with both a estimated concentration greater than the MDL and less than the RL and a concentration greater than the RL, the concentrations in the field duplicate pair were J qualified as estimated. For field duplicate results with both a detected and nondetected result, the nondetected value was UJ qualified as estimated less than the MDL and the detected concentration was J qualified as estimated. An RSD was calculated for the sample collected in triplicate. The RSD for DU-4 MIS (5) 0-2" >30% and the RSD for DU-7 MIS (5) 0-2" was not calculable due to an estimated concentration within the triplicate samples. Therefore, the concentrations in the triplicate samples were J qualified as estimated.
Trip blanks meet frequency criteria in QAP (1/day, VOCs only)?			x	
VOCs not detected in trip blanks?			x	
Equipment rinse blanks meet frequency criteria in QAP?	x			An equipment blank was reported with the data set, however it is not a QAP requirement.
Analytes not detected in equipment rinse blanks?	x			An equipment rinse blank was reported in 580-46089-1. Lead was not detected above the MDL in the equipment rinse blank.
Case Narrative				
Completely addresses any lab QC results outside QC limits?			x	
Completeness for laboratory measurements is≥ 90%?	x			
Overall completeness is≥ 85%?	x			
Audit/Performance Evaluation Samples				
Performance evaluation samples meet frequency criteria in QAP?			x	
Performance evaluation samples meet QC acceptance criteria in			x	
Other				
Lab report number specified?	x			
Lab report signed by lab manager?	x			Kristin Allen, Project Manager I
Data qualifiers used in lab report are explained in lab report?	x			
Electronic data match the lab report?	x			

Chronology of Lab Report Revisions	
Date of first lab report:	9/24/2014
Revisions - Date and nature of revisions requested:	N/A
Revisions Received:	
Revisions - Date and nature of revisions requested:	
Revisions Received:	
Date of receipt of correct and complete lab report:	

Notes:
CoC - chain-of-custody
LCS/LCSD - laboratory control spike / laboratory control spike duplicate
MS/MSD - matrix spike/matrix spike duplicate
N/A - not applicable
QAP - quality assurance plan
RL - reporting limit (or quantitation limit)
RPD - relative percent difference
%R - percent recovery

CALCS
Midway Soil Sampling 2014
Fall 2014

TOTAL LEAD IN SOIL SAMPLES

Field Duplicates (non-detects not included)

Sample	ORIGINAL (mg/kg)	FDUP (mg/kg)	FTRI(mg/kg)	RPD (RSD for triplicates)	criteria
5309-P23 0-6	170	150	NA	13	<30%
5309-P23 12-18	12	10	NA	18	<30%
5309-P23 24-30	2.1	1.5	NA	33	<30%
DU-4 MIS (4) 0-2"	12	13	NA	8	<30%
DU-4 MIS (2) 0-2"	12	24	NA	67	<30%
DU-4 MIS (3) 0-2"	15	7.9	NA	62	<30%
DU-4 MIS (5) 0-2"	6.5	6.0	18	67	<30%
DU-4 MIS (1) 0-2"	13	9.1	NA	35	<30%
DU-7 MIS (4) 0-2"	26	59	NA	78	<30%
DU-7 MIS (5) 0-2"	1.3	0.74J	1.6	NC	<30%
DU-7 MIS (1) 0-2"	5.6	9.7	NA	54	<30%
DU-7 MIS (2) 0-2"	2.2	3.3	NA	40	<30%
DU-7 MIS (3) 0-2"	26	39	NA	40	<30%
FH 24-P3 0-6"	180	160	NA	12	<30%
FH 24-P3 12-18"	110	100	NA	10	<30%
FH 24-P3 24-30"	37	41	NA	10	<30%
3504-P28 0-6"	95	59	NA	47	<30%
3504-P28 12-18"	0.37J	0.60J	NA	NC	<30%
3504-P28 24-30"	0.15J	0.13U	NA	NC	<30%
5342-P6 0-6"	15	14	NA	7	<30%
5342-P6 12-18"	19	18	NA	5	<30%
5342-P6 24-30"	9.6	9.9	NA	3	<30%

NA - not applicable
NC - not calculable

Method Blanks

Sample	mg/kg	Q	x5	x10	Page	Samples affected
MB 580-174340/22-A	0.185	J	0.925	NA	283	3503-P26 24-30"
MB 580-174384/22-A	0.310	J	1.55	NA	286	none
MB 580-174400/22-A	0.420	J	2.10	NA	287	426-P1 24-30"
MB 580-174401/22-A	0.320	J	1.60	NA	288	none
MB 580-174404/10-A	0.295	J	1.48	NA	289	none

Sample	mg/L	Q	x5	x10	Page	Samples affected
MB 580-174477/17-A	0.00280	J	0.0140	NA	289	none

Equipment/Rinse Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Total Lead not detected above the MDL in the method blanks						

MS/MSD

Sample	MS %Rec	MSD % Rec	%Rec QC Lim	Page	Name	Samples affected
5309-P16 0-6	79	83	80-120	278	NA	5309-P16 0-6
FH 37-P1 24-30"	68	205	80-120	282	NA	FH 37-P1 24-30"
FH 24-P3 12-18"	147	111	80-120	283	NA	FH 24-P3 12-18"
FH 02-P2 12-18"	42	81	80-120	283-284	NA	FH 02-P2 12-18"
400-P1 12-18"	99	165	80-120	288	NA	400-P1 12-18"

Laboratory Duplicate

Sample	Duplicate RPD	RPD Lim	Page	Name	Samples affected
FH 24-P3 12-18"	34	<20	283	NA	FH 24-P3 12-18"
140-P4 24-30"	24	<20	286	NA	140-P4 24-30"
1124-P5 24-30"	34	<20	287	NA	1124-P5 24-30"

LCS/LCSD

Sample	LCS %Rec	LCSD %Rec	%Rec QC Lim	Page	Name	Samples affected
LCS/LCSD recoveries were acceptable						

Trip Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Not applicable						

% Rec - Percent recovery

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/4/2014
Reviewed by: Julia Caprio
Review Date 12/19/2014
Lab Report No: TestAmerica Seattle 580-45455-1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Chain of Custody				
Project name provided?	x			
Sample matrix specified?	x			Soil
Date and time of sampling specified for each sample?	x			
Number and size/type of containers specified?		x		The container types were not specified. There was no impact on the data, so no qualifications were applied to the data.
Preservative(s) specified?	x			Chain of custody shows no preservation.
Analyses required specified? (including site specific instructions)	x			
Method of shipment specified?	x			FedEx
Signature(s), name(s) and affiliation(s) of field staff provided?	x			
Signature(s) and name(s) of recipient for lab provided?	x			
Date & time of receipt by lab provided?	x			
Samples delivered to lab within 48 hours of collection?		x		The samples were collected on September 15, 2013 and were received by the laboratory on September 18, 2013. There was no impact on the data.
Sample Receipt and Log In				
Completed CoC and log-in sheets sent to Geosyntec within 24 hours of receipt by lab?			x	Not sent to the validators attention.
Cooler temperature $\leq 4 \pm 2$ ºC?	x			
Samples arrived intact and without air bubbles for VOC samples?			x	
Custody seal intact?		x		
Field sample IDs on log-in sheets match CoC?	x			
Analytical methods and analytes match those listed in QAP:	x			
List each analytical method here. Make sure that you have specified appropriate analyte list (e.g., PP, TAL, Site Specific, etc.)				
EPA SW-846 3050B/6010B (Total Lead)				
Sample Results				
Results provided for all samples and analyses on CoC?	x			
Date and time of analysis is reported for all samples and QA/QC samples?	x			
Samples were analyzed within the holding time: Metals (Lead) within 180 days	x			
Units specified with reported results?	x			
Dilutions specified?	x			
RLs adjusted for dilutions?		x		No sample dilutions were performed.
Are RLs less than or equal to QAP specified RLs except for diluted samples?	x			
Detected concentrations less than RL are reported as estimated concentrations?			x	All results were above the RL
QA/QC Results				
Analytes not detected in method blanks?	x			
Compounds detected in method blanks are only detected in samples at concentrations > 5x method blank concentration?			x	
Surrogate recoveries meet lab QC acceptance criteria?			x	
MS/MSD meet frequency criteria in QAP (1 in 20)?			x	14 MS/MSD were reported in report 580-46089-1 for the total 280 soil samples and soil field duplicates collected. Therefore, the 1 in 20 requirement was met.
MS/MSD pre-spike concentration, amount added, %R and RPD reported?			x	
MS/MSD meet QC acceptance criteria in QAP?			x	
LCS/LCSD meet lab QC acceptance criteria?	x			
Laboratory duplicates meet frequency criteria in QAP (1 in 20)?			x	
Laboratory duplicates meet lab QC acceptance criteria?			x	
Field duplicates meet frequency criteria in QAP (1 in 20)?	x			Twenty-eight duplicate and two triplicates were reported for the sampling project of two hundred and fifty-six soil samples. Therefore, the field duplicate frequency was 10.9%, exceeding the QAP requirement of 5%.
Field duplicates meet QC acceptance criteria in QAP?			x	Field duplicates were not reported in 580-45455-1.
Trip blanks meet frequency criteria in QAP (1/day, VOCs only)?			x	
VOCs not detected in trip blanks?			x	
Equipment rinse blanks meet frequency criteria in QAP?			x	An equipment blank was reported with the data set, however it is not a QAP requirement.
Analytes not detected in equipment rinse blanks?	x			An equipment rinse blank was reported in 580-46089-1. Lead was not detected above the MDL in the equipment rinse blank.

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/4/2014
Reviewed by: Julia Caprio
Review Date 12/19/2014
Lab Report No: TestAmerica Seattle 580-45455-1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Case Narrative				
Completely addresses any lab QC results outside QC limits?			x	no QC results outside of QC limits
Completeness for laboratory measurements is ≥ 90%?	x			
Overall completeness is ≥ 85%?	x			
Audit/Performance Evaluation Samples				
Performance evaluation samples meet frequency criteria in QAP?			x	
Performance evaluation samples meet QC acceptance criteria in			x	
Other				
Lab report number specified?	x			
Lab report signed by lab manager?	x			Kristin Allen, Project Manager I
Data qualifiers used in lab report are explained in lab report?	x			
Electronic data match the lab report?	x			

Chronology of Lab Report Revisions	
Date of first lab report:	9/24/2014
Revisions - Date and nature of revisions requested:	N/A
Revisions Received:	
Revisions - Date and nature of revisions requested:	
Revisions Received:	
Date of receipt of correct and complete lab report:	

Notes:
CoC - chain-of-custody
LCS/LCSD - laboratory control spike / laboratory control spike duplicate
MS/MSD - matrix spike/matrix spike duplicate
N/A - not applicable
QAP - quality assurance plan
RL - reporting limit (or quantitation limit)
RPD - relative percent difference
%R - percent recovery

CALCS
Midway Soil Sampling 2014
Fall 2014

TOTAL LEAD IN SOIL SAMPLES

Field Duplicates (non-detects not included)

Sample	ORIGINAL (mg/kg)		FDUP (mg/kg)		RPD	criteria
NA	NA	NA	NA	NA	NA	30%

NA - not applicable

Method Blanks

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Total Lead not detected above the MDL in the method blanks						

Equipment/Rinse Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Total Lead not detected above the MDL in the method blanks						

MS/MSD

Sample	MS %Rec	MSD % Rec	%Rec QC Lim	Page	Name	Samples affected
NA	NA	NA	NA	NA	NA	NA

LCS/LCSD

Sample	LCS %Rec	LCSD %Rec	%Rec QC Lim	Page	Name	Samples affected
LCS/LCSD recoveries were acceptable						

Trip Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Not applicable						

% Rec - Percent recovery

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/12/2014
Reviewed by: Julia Caprio
Review Date 12/16/2014
Lab Report No: TestAmerica Seattle 580-39065-1 Revision 1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Chain of Custody				
Project name provided?	x			
Sample matrix specified?	x			soil
Date and time of sampling specified for each sample?	x			Report was revised to correct the sample date in the laboratory report and to include the COC.
Number and size/type of containers specified?		x		The container types were not specified. There was no impact on the data, so no qualifications were applied to the data.
Preservative(s) specified?	x			Chain of custody shows no preservation other than temperature preservation
Analyses required specified? (including site specific instructions)	x			
Method of shipment specified?	x			FedEx
Signature(s), name(s) and affiliation(s) of field staff provided?	x			
Signature(s) and name(s) of recipient for lab provided?	x			
Date & time of receipt by lab provided?	x			
Samples delivered to lab within 48 hours of collection?		x		The sample was collected on October 15, 2014 and was received by the laboratory on October 23, 2013. There was no impact on the data.
Sample Receipt and Log In				
Completed CoC and log-in sheets sent to Geosyntec within 24 hours of receipt by lab?			x	Sending CoC and log sheets was not a QAP requirement.
Cooler temperature $\leq 4 \pm 2$ ºC?		x		The samples were received by the laboratory without ice at 14.9 C, 15.3 C, and 15.4 C. However, no qualifications were applied to the total lead data based on professional and technical judgment.
Samples arrived intact and without air bubbles for VOC samples?			x	
Custody seal intact?	x			
Field sample IDs on log-in sheets match CoC?	x			Sample ID on COC was R2/CELL3 0-6", the sample was reported using Method 1320 (Multiple Extraction Procedure) as (R2/CELL3 0-6" (Day X). The sample was reported as 9 separate analyses with X = 1-9.
Analytical methods and analytes match those listed in QAP:	x			
List each analytical method here. Make sure that you have specified appropriate analyte list (e.g., PP, TAL, Site Specific, etc.)				
EPA SW-846 1320/3010A/6010B Lead by Multiple Extraction Procedure				
Sample Results				
Results provided for all samples and analyses on CoC?	x			R2/CELL3 0-6" was the only sample reported in report 580-39065-1, the remaining samples were reported in 180-46089-1.
Date and time of analysis is reported for all samples and QA/QC samples?	x			
Samples were analyzed within the holding time: Metals (Lead) within 180 days	x			
Units specified with reported results?	x			
Dilutions specified?	x			
RLs adjusted for dilutions?		x		No sample dilutions were performed.
Are RLs less than or equal to QAPP specified RLs except for diluted samples?	x			
Detected concentrations less than RL are reported as estimated concentrations?	x			
QA/QC Results				
Analytes not detected in method blanks?		x		Three method blanks and nine leachate blanks were reported. Lead was detected at an estimated concentration greater than the MDL and less than the RL in the leachate blank in leachate batch 126888.
Compounds detected in method blanks are only detected in samples at concentrations > 5x method blank concentration?		x		The estimated concentrations of lead in samples R2/CELL3 0-6" (Day 5) was U qualified as not detected at the RL.
Surrogate recoveries meet lab QC acceptance criteria?			x	
MS/MSD meet frequency criteria in QAP (1 in 20)?		x		MS/MSD pairs were not reported.
MS/MSD pre-spike concentration, amount added, %R and RPD reported?			x	
MS/MSD meet QC acceptance criteria in QAP?			x	
LCS/LCSD meet lab QC acceptance criteria?	x			Three LCS/LCSD pairs awere reported. All met the lab QC limits.
Laboratory duplicates meet frequency criteria in QAPP (1 in 20)?		x		
Laboratory duplicates meet lab QC acceptance criteria?			x	
Field duplicates meet frequency criteria in QAP (1 in 20)?	x			Twenty-eight field duplicates and two field triplicates were reported in report 180-46089-1. Therefore, the field duplicate frequency was 10.9%, exceeding the QAPP requirement of 5%.
Field duplicates meet QC acceptance criteria in QAP?			x	

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/12/2014
Reviewed by: Julia Caprio
Review Date 12/16/2014
Lab Report No: TestAmerica Seattle 580-39065-1 Revision 1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Trip blanks meet frequency criteria in QAP (1/day, VOCs only)?			x	
VOCs not detected in trip blanks?			x	
Equipment rinse blanks meet frequency criteria in QAPP?			x	An equipment blank was reported with the data set, however it is not a QAPP requirement.
Analytes not detected in equipment rinse blanks?	x			An equipment rinse blank was reported in 580-39065-1. Lead was not detected above the MDL in the equipment rinse blank.
Case Narrative				
Completely addresses any lab QC results outside QC limits?			x	
Completeness for laboratory measurements is $\geq$ 90%?	x			
Overall completeness is $\geq$ 85%?	x			
Audit/Performance Evaluation Samples				
Performance evaluation samples meet frequency criteria in QAP?			x	
Performance evaluation samples meet QC acceptance criteria in			x	
Other				
Lab report number specified?	x			
Lab report signed by lab manager?	x			Kristin Allen, Project Manager I
Data qualifiers used in lab report are explained in lab report?	x			
Electronic data match the lab report?	x			

Chronology of Lab Report Revisions	
Date of first lab report:	12/5/2014
Revisions - Date and nature of revisions requested:	N/A
Revisions Received:	
Revisions - Date and nature of revisions requested:	
Revisions Received:	
Date of receipt of correct and complete lab report:	

Notes:
CoC - chain-of-custody
LCS/LCSD - laboratory control spike / laboratory control spike duplicate
MS/MSD - matrix spike/matrix spike duplicate
N/A - not applicable
QAP - quality assurance plan
RL - reporting limit (or quantitation limit)
RPD - relative percent difference
%R - percent recovery

CALCS
Midway Soil Sampling 2014
Fall 2014

TOTAL LEAD IN SOIL SAMPLES

Field Duplicates (non-detects not included)

Sample	ORIGINAL (mg/kg)	FDUP (mg/kg)	FTRI(mg/kg)	RPD (RSD for triplicates)	criteria
NA - not applicable	**NA**	**NA**	**NA**	**NA**	**NA**

NA - not applicable
NC - not calculable

Method Blanks

Sample	µg/L	Q	x5	x10	Page	Samples affected
LB 180-126698/2-B	1.5	J	7.5	NA	14	R2/CELL3 0-6" (Day 5)

Equipment/Rinse Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
NA	NA	NA	NA	NA	NA	NA

MS/MSD

Sample	MS %Rec	MSD % Rec	%Rec QC Lim	Page	Name	Samples affected
NA	NA	NA	NA	NA	NA	NA

Laboratory Duplicate

Sample	Duplicate RPD	RPD Lim	Page	Name	Samples affected	
NA	NA	NA	NA	NA	NA	NA

LCS/LCSD

Sample	LCS %Rec	LCSD %Rec	%Rec QC Lim	Page	Name	Samples affected
LCS/LCSD recoveries were acceptable						

Trip Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Not applicable						

% Rec - Percent recovery

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/12/2014
Reviewed by: Julia Caprio
Review Date 12/16/2014
Lab Report No: TestAmerica Seattle 580-39065-1 Revision 1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Chain of Custody				
Project name provided?	x			
Sample matrix specified?	x			soil
Date and time of sampling specified for each sample?	x			Report was revised to correct the sample date in the laboratory report and to include the COC.
Number and size/type of containers specified?		x		The container types were not specified. There was no impact on the data, so no qualifications were applied to the data.
Preservative(s) specified?	x			Chain of custody shows no preservation other than temperature preservation
Analyses required specified? (including site specific instructions)	x			
Method of shipment specified?	x			FedEx
Signature(s), name(s) and affiliation(s) of field staff provided?	x			
Signature(s) and name(s) of recipient for lab provided?	x			
Date & time of receipt by lab provided?	x			
Samples delivered to lab within 48 hours of collection?		x		The sample was collected on October 15, 2014 and was received by the laboratory on October 23, 2013. There was no impact on the data.
Sample Receipt and Log In				
Completed CoC and log-in sheets sent to Geosyntec within 24 hours of receipt by lab?			x	Sending CoC and log sheets was not a QAP requirement.
Cooler temperature $\leq 4 \pm 2$ ºC?		x		The samples were received by the laboratory without ice at 14.9 C, 15.3 C, and 15.4 C. However, no qualifications were applied to the total lead data based on professional and technical judgment.
Samples arrived intact and without air bubbles for VOC samples?			x	
Custody seal intact?	x			
Field sample IDs on log-in sheets match CoC?	x			Sample ID on COC was R2/CELL3 0-6", the sample was reported using Method 1320 (Multiple Extraction Procedure) as (R2/CELL3 0-6" (Day X). The sample was reported as 9 separate analyses with X = 1-9.
Analytical methods and analytes match those listed in QAP:	x			
List each analytical method here. Make sure that you have specified appropriate analyte list (e.g., PP, TAL, Site Specific, etc.)				
EPA SW-846 1320/3010A/6010B Lead by Multiple Extraction Procedure				
Sample Results				
Results provided for all samples and analyses on CoC?	x			R2/CELL3 0-6" was the only sample reported in report 580-39065-1, the remaining samples were reported in 180-46089-1.
Date and time of analysis is reported for all samples and QA/QC samples?	x			
Samples were analyzed within the holding time: Metals (Lead) within 180 days	x			
Units specified with reported results?	x			
Dilutions specified?	x			
RLs adjusted for dilutions?		x		No sample dilutions were performed.
Are RLs less than or equal to QAPP specified RLs except for diluted samples?	x			
Detected concentrations less than RL are reported as estimated concentrations?	x			
QA/QC Results				
Analytes not detected in method blanks?		x		Three method blanks and nine leachate blanks were reported. Lead was detected at an estimated concentration greater than the MDL and less than the RL in the leachate blank in leachate batch 126888.
Compounds detected in method blanks are only detected in samples at concentrations > 5x method blank concentration?		x		The estimated concentrations of lead in samples R2/CELL3 0-6" (Day 5) was U qualified as not detected at the RL.
Surrogate recoveries meet lab QC acceptance criteria?			x	
MS/MSD meet frequency criteria in QAP (1 in 20)?		x		MS/MSD pairs were not reported.
MS/MSD pre-spike concentration, amount added, %R and RPD reported?			x	
MS/MSD meet QC acceptance criteria in QAP?			x	
LCS/LCSD meet lab QC acceptance criteria?	x			Three LCS/LCSD pairs awere reported. All met the lab QC limits.
Laboratory duplicates meet frequency criteria in QAPP (1 in 20)?		x		
Laboratory duplicates meet lab QC acceptance criteria?			x	
Field duplicates meet frequency criteria in QAP (1 in 20)?	x			Twenty-eight field duplicates and two field triplicates were reported in report 180-46089-1. Therefore, the field duplicate frequency was 10.9%, exceeding the QAPP requirement of 5%.
Field duplicates meet QC acceptance criteria in QAP?			x	

DATA VALIDATION CHECKLIST
Midway Soil Sampling 2014
Fall 2014

Completed by: Kristoffer Henderson
Validation Date 12/12/2014
Reviewed by: Julia Caprio
Review Date 12/16/2014
Lab Report No: TestAmerica Seattle 580-39065-1 Revision 1

Item	*Yes*	*No*	*N/A*	*Comments / Action Taken*
Trip blanks meet frequency criteria in QAP (1/day, VOCs only)?			x	
VOCs not detected in trip blanks?			x	
Equipment rinse blanks meet frequency criteria in QAPP?			x	An equipment blank was reported with the data set, however it is not a QAPP requirement.
Analytes not detected in equipment rinse blanks?	x			An equipment rinse blank was reported in 580-39065-1. Lead was not detected above the MDL in the equipment rinse blank.
Case Narrative				
Completely addresses any lab QC results outside QC limits?			x	
Completeness for laboratory measurements is $\geq$ 90%?	x			
Overall completeness is $\geq$ 85%?	x			
Audit/Performance Evaluation Samples				
Performance evaluation samples meet frequency criteria in QAP?			x	
Performance evaluation samples meet QC acceptance criteria in			x	
Other				
Lab report number specified?	x			
Lab report signed by lab manager?	x			Kristin Allen, Project Manager I
Data qualifiers used in lab report are explained in lab report?	x			
Electronic data match the lab report?	x			

Chronology of Lab Report Revisions	
Date of first lab report:	12/5/2014
Revisions - Date and nature of revisions requested:	N/A
Revisions Received:	
Revisions - Date and nature of revisions requested:	
Revisions Received:	
Date of receipt of correct and complete lab report:	

Notes:
CoC - chain-of-custody
LCS/LCSD - laboratory control spike / laboratory control spike duplicate
MS/MSD - matrix spike/matrix spike duplicate
N/A - not applicable
QAP - quality assurance plan
RL - reporting limit (or quantitation limit)
RPD - relative percent difference
%R - percent recovery

CALCS
Midway Soil Sampling 2014
Fall 2014

TOTAL LEAD IN SOIL SAMPLES

Field Duplicates (non-detects not included)

Sample	ORIGINAL (mg/kg)	FDUP (mg/kg)	FTRI(mg/kg)	RPD (RSD for triplicates)	criteria
NA - not applicable	**NA**	**NA**	**NA**	**NA**	**NA**

NA - not applicable
NC - not calculable

Method Blanks

Sample	µg/L	Q	x5	x10	Page	Samples affected
LB 180-126698/2-B	1.5	J	7.5	NA	14	R2/CELL3 0-6" (Day 5)

Equipment/Rinse Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
NA	NA	NA	NA	NA	NA	NA

MS/MSD

Sample	MS %Rec	MSD % Rec	%Rec QC Lim	Page	Name	Samples affected
NA	NA	NA	NA	NA	NA	NA

Laboratory Duplicate

Sample	Duplicate RPD	RPD Lim	Page	Name	Samples affected	
NA	NA	NA	NA	NA	NA	NA

LCS/LCSD

Sample	LCS %Rec	LCSD %Rec	%Rec QC Lim	Page	Name	Samples affected
LCS/LCSD recoveries were acceptable						

Trip Blank

Sample	mg/kg	Q	x5	x10	Page	Samples affected
Not applicable						

% Rec - Percent recovery

TABLE D-1
2014 ADDITIONAL SOIL SAMPLING
RELATIVE PERCENT DIFFERENCES FOR DU5 AND DU7 ADDITIONAL SOIL SAMPLES
MIDWAY ATOLL NWR

Sample Identification	Sample Date	Lead Concentration (mg/kg)	Relative Percent Difference
5309-P23 0-6	10/2/2014	170	13%
5309-P23 0-6 DUP		150	
5309-P23 12-18	10/2/2014	12	18%
5309-P23 12-18 DUP		10	
5309-P23 24-30	10/2/2014	2.1	33%
5309-P23 24-30 DUP		1.5	

Notes
1. Lead was analyzed by Environmental Protection Agency Method 6010B.
2. Results based on wet weight.
mg/kg - milligram per kilogram

APPENDIX E

INIKI MONITORING REPORTS

Hawaii Analytical Laboratory
ANALYTICAL REPORT

Monday, October 20, 2014

3615 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816
Phone: (808) 735-0422

White Environmental Consultants
197 Sand Island Access Rd., Suite 203

Honolulu HI 96819

Phone Number: (808) 843-0655
Facsimile: (808) 843-0657
Email: honolulu_lab@wecenv.com

Lab Job No: 20145567
Your Project: PO#0790, H14-678, Midway Atoll 2014 National Wildlife Refuge

Fiber Count Determination

Method NIOSH 7400

Sample No.	Your Sample description	Total Fibers	Total Fields	Air Vol. (L)	Fibers / mm2		Results	Units	Date Submitted	Date Analyzed
201427825	**1, Garrick Arakaki 9099 Building 259, 9/22/2014**	4.5	100	600	5.7	<	0.0045	f/cc	10/15/2014	10/16/2014
Comments										
201427826	**2, Garrick Arakaki 9099 Building 259, 9/23/2014**	1	100	600	1.3	<	0.0045	f/cc	10/15/2014	10/16/2014
Comments										
201427827	**3, KailiAloha Kaawa 4147 BEQ D, 9/24/2014**	8	100	600	10.2		0.0065	f/cc	10/15/2014	10/16/2014
Comments										
201427828	**4, KailiAloha Kaawa 4147 BEQ D, 9/24/2014**	5	100	600	6.4	<	0.0045	f/cc	10/15/2014	10/16/2014
Comments										

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White Environmental Consultants
197 Sand Island Access Rd., Suite 203

Honolulu HI 96819

Phone Number: (808) 843-0655
Facsimile: (808) 843-0657
Email: honolulu_lab@wecenv.com

Lab Job No: 20145567
Your Project: PO#0790, H14-678, Midway Atoll 2014 National Wildlife Refuge

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General Comments

The air filter analyses subject of this Analytical Report were conducted in general accordance with the procedures outlined in the National Institute of Occupational Safety and Health's "Asbestos and Other Fibers by PCM" Method 7400, Issue 2, Aug 1994. Note that although this method is primarily used for estimating airborne asbestos concentrations, PCM does not differentiate between asbestos and other fibers. Any airborne fiber may interfere since all particles meeting the counting criteria are counted. Chain-like particles may appear fibrous. High levels of non-fibrous dust particles may obscure fibers in the field of view and increase the detection limit. Transmission Electron Microscopy (TEM) Method 7402 should be employed for assistance in the identification of individual fibers. Fibers less than 0.25 micrometers in diameter may not be detected by this method. NIOSH 7400 recommends 2 field blanks or 10% of the sample set, whichever is greater. Results have not been corrected for field blank determinations unless noted in remarks. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. Hawaii Analytical Laboratory intra-lab CV for the fiber density range of [5-20] is 0.141; [>20-50] is 0.079; [>50-100] is 0.071; and [>100] is 0.089. Hawaii Analytical Laboratory inter-lab CV for the fiber density range of [5-20] is 0.231; [>20-50] is 0.086; [>50-100] is 0.322 and [>100] is 0.289. The reporting limit for this method is based on 7 fibers / mm2 filter area. Concentration and TWA values have been calculated based on information supplied by the client that the laboratory cannot verify. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

Symbols Definitions

NA = Not Analyzed due to severe interference from "debris" and / or sample particulate "overloading", although an attempt was made.
> This testing result is greater than the numerical value listed.
< This testing result is less than the numerical value listed.

Ms. Eva Skogsberg
Section Supervisor

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Asbestos AIR SAMPLING FIELD REPORT

Page _____ of _____

Iniki Enterprises, Ltd
1040 Sand Island Pkwy., #100, Honolulu, HI 96819
PH (808) 677-7800 ~ FAX (808) 677-7882

Project Name: Midway Atoll 2014
Site: Midway Atoll National Wildlife Refuge
Client Name: US Fish and Wildlife Service
Project #:

Samples Submitted By:
Print Name: Gary Lewis
Date: 10-15-2012

ID #	DATE	PUMP #	NAME & SS#, OR LOCATION	CTGY	TIME ON	TIME OFF	TOTAL MINS.	PRE LPM	POST LPM	FINAL LPM	AIR VLME	fibers/ field	CONC. f/cc	8 hr TWA f/cc
1	9-22-14	4	Garrick Arakaki 9099 Building 259		1:00	5:00	240	2.5	2.5	2.5	600			
2	9-23-14	4	Garrick Arakaki 9099 Building 259		1:00	5:00	240	2.5	2.5	2.5	600			
3	9-2414	4	KailiAloha Kaawa 4147 BEQ D		1:00	5:00	240	2.5	2.5	2.5	600			
4	9-24-14	4	KailiAloha Kaawa 4147 Building 5304		1:00	5:00	240	2.5	2.5	2.5	600			

CATEGORY

B	BACKGROUND
C	CLEARANCE
ENV	ENVIRONMENTAL

EX	EXCURSION
FB	FIELD BLANK
IA	INSIDE AREA

LB	LOT BLANK
OA	OUTSIDE AREA
P	PERSONAL

ANALYZED BY:
DATE:

REVIEWED BY:
DATE:

WHITE LABORATORIES LLC.

197 Sand Island Access Rd. Unit 203 Honolulu, HI 96819 Phone: 808-843-0655 Fax: 808-843-0657

WLH Project Number: 678

Client Name / Billing Information: friki	*Client Project Name / Location:* Midway Atoll
ph:	
fax: *email:*	*Client Project Number:*
Relinquished by: Gary Lewis	*Received by:* SM
Date Relinquished: 10/15/2014	*Received Date:* 10-15-14 *Time:* 0830

Please write a sample description in the space provided.
(i.e. paint chips, concrete, specific location samples were collected, etc.)

[ ] **Please provide verbal results to:** _____ **Phone #:** _____

Circle requested TAT: RUSH 24hr 48hr 72hr 5day

Place an 'X' under the requested analysis per sample received.

***For mold only**, Circle Requested TAT:* RUSH *Standard* (48-72 hrs)

	Client Sample Number	Collection Date	Sample Description	PCM NIOSH 7400A	PLM EPA 600/R93/116	TEM	Pb Air NIOSH 7082	* Pb Wipe HUD 14.2	Pb Paint SW 846-7420	Pb Soil SW 846-3050B	TCLP SW 846-1311	Non-Viable Mold	Viable Mold	8 RCRA Metal TCLP	PCB	Arsenic Air, Bulk, TCLP	Other	Acceptable/ Not Acceptable (A/NA)
1	1	9-23-14		X														A
2	2	↓		↓														↓
3	3	9-24-14		↓														↓
4	4	↓		↓														↓
5																		
6	1	9-11-14					X											
7	2	9-12-14					↓											
8	3	9-16-14					↓											
9	4	9-17-14					↓											
10	5	9-18-14					↓											↓
11																		
12																		
13																		

* All samples submitted to WL LLC shall be sealed in the appropriate container, cartridge, or collection vessel; shall be free of exterior dust or contamination; and shall pose no immediate or potential hazard to personnel during sample receiving and processing. When applicable, please include field blanks as required by sampling method. Wipe samples must meet ASTM requirements before analysis is run. WL cannot determine whether wipe samples meet ASTM requirements.

* All samples are received in good condition unless otherwise stated.

* *Document any correspondence with client regarding sample acceptance criteria or other aspects of analytical request on an attached sheet.*

Hawaii Analytical Laboratory
ANALYTICAL REPORT

Monday, October 20, 2014

3615 Harding Avenue, Ste. 308, Honolulu, Hawaii 96816
Phone: (808) 735-0422

White Environmental Consultants
197 Sand Island Access Rd., Suite 203

Honolulu HI 96819

Phone Number: (808) 843-0655
Facsimile: (808) 843-0657
Email: honolulu_lab@wecenv.com

Lab Job No: 20145568
Your Project: PO #0791, H14-678, Midway Atoll 2014 National Wildlife Refuge

Lead, total (air filters)

NIOSH **Method:** 7082m LEAD by FAAS

Sample No.	Your Sample Description	Results	Units	Date Submitted	Date Analyzed
201427829	1 Garrick Arakaki 9099 BEQ D (9/11/2014)	< 6.7	ug/m3	10/15/2014	10/16/2014
Comments					
201427830	2 Garrick Arakaki 9099 BEQ D (9/12/2014)	< 3.3	ug/m3	10/15/2014	10/16/2014
Comments					
201427831	3 KailiAloha Kaawa 4147 BEQ C (9/16/2014)	< 3.3	ug/m3	10/15/2014	10/16/2014
Comments					
201427832	4 KailiAloha Kaawa 4147 Dining Laundry (9/17/2014)	< 3.3	ug/m3	10/15/2014	10/16/2014
Comments					
201427833	5 KailiAloha Kaawa 4147 Dining Laundry (9/18/2014)	< 3.3	ug/m3	10/15/2014	10/16/2014
Comments					

All Quality Control data are acceptable unless otherwise noted.
MRL for lead air is 5ug.
MRL for lead wipe is 10ug.
MRL for lead paint or soil is 40 mg/kg for a 0.25g sample.

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White Environmental Consultants
197 Sand Island Access Rd., Suite 203

Honolulu HI 96819

Phone Number: (808) 843-0655
Facsimile: (808) 843-0657
Email: honolulu_lab@wecenv.com

Lab Job No: 20145568
Your Project: PO #0791, H14-678, Midway Atoll 2014 National Wildlife Refuge

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General Comments
All analysts participate in interlaboratory quality control testing to continuously document profiency. The sample[s] analysis subject of this analytical report were conducted in general accordance with the procedures associated with the" analytical method" referenced above. Modifications to this methodology may have been made based upon the analyst's professional judgment and / or sample matrix effects encountered. The analysis of sample relates only to the sample analyzed, and may or may not be representative of the original source of the material submitted for our analysis. This report is not to be duplicated except in full without the expressed written permission of Hawaii Analytical Laboratory. This report should not be construed as an endorsement for a product or a service by the AIHA or any affiliated organizations. Sample and associated sampling / collection data is reported as provided by client. Concentration and TWA values have been calculated based on information supplied by the client that the laboratory cannot verify. Results have not been corrected for blank determinations unless noted in remarks. Unless otherwise indicated the sample condition at the time of receipt was acceptable.

Results and Symbols Definitions
> This testing result is greater than the numerical value listed.
< This testing result is less than the numerical value listed.
# = Analytical methods marked with an "#" are not within our AIHA Scope of Accreditation.
MRL = Method Reporting Limit.

Ms. Eva Skogsberg
Section Supervisor

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Lead AIR SAMPLING FIELD REPORT

Page _____ of _____

Iniki Enterprises, Ltd
1040 Sand Island Pkwy., #100, Honolulu, HI 96819
PH (808) 677-7800 ~ FAX (808) 677-7882

Project Name: Midway Atoll 2014
Site: Midway Atoll National Wildlife Refuge
Client Name: US Fish and Wildlife Service
Project #:

Samples Submitted By:
Print Name: Gary Lewis
Date: 10-15-2012

ID #	DATE	PUMP #	NAME & SS#, OR LOCATION	CTGY	TIME ON	TIME OFF	TOTAL MINS.	PRE LPM	POST LPM	FINAL LPM	AIR VLME	fibers/ field	CONC. f/cc	8 hr TWA f/cc
1	9-11-14	4	Garrick Arakaki 9099 BEQ D		7:00	12:00	300	2.5	2.5	2.5	750			
2	9-12-14	4	Garrick Arakaki 9099 BEQ D		7:00	5:00	600	2.5	2.5	2.5	1500			
3	9-16-14	4	KailiAloha Kaawa 4147 BEQ C		7:00	5:00	600	2.5	2.5	2.5	1500			
4	9-17-14	4	KailiAloha Kaawa 4147 Dinning Laundr		7:00	5:00	600	2.5	2.5	2.5	1500			
5	9-18-14	4	kailiAloha Kaawa 4147 Dinning Laundr		7:00	5:00	600	2.5	2.5	2.5	1500			

CATEGORY

B	BACKGROUND
C	CLEARANCE
ENV	ENVIRONMENTAL

EX	EXCURSION
FB	FIELD BLANK
IA	INSIDE AREA

LB	LOT BLANK
OA	OUTSIDE AREA
P	PERSONAL

ANALYZED BY:
DATE:

REVIEWED BY:
DATE:

WHITE LABORATORIES LLC.

197 Sand Island Access Rd. Unit 203 Honolulu, HI 96819 Phone: 808-843-0655 Fax: 808-843-0657

WLH Project Number: 678

Client Name / Billing Information: finki	Client Project Name / Location: Midway Atoll
ph:	
fax: email:	Client Project Number:
Relinquished by: Gary Lewis	Received by: SM
Date Relinquished: 10/15/2014	Received Date: 10-15-14 Time: 0830

Please write a sample description in the space provided.
(i.e. paint chips, concrete, specific location samples were collected, etc.)

[ ] Please provide verbal results to: _____ Phone #: _____

Circle requested TAT: RUSH 24hr 48hr 72hr 5day

Place an 'X' under the requested analysis per sample received.

For mold only, Circle Requested TAT: RUSH Standard (48-72 hrs)

	Client Sample Number	Collection Date	Sample Description	PCM NIOSH 7400A	PLM EPA 600/R93/116	TEM	Pb Air NIOSH 7082	* Pb Wipe HUD 14.2	Pb Paint SW 846-7420	Pb Soil SW 846-3050B	TCLP SW 846-1311	Non-Viable Mold	Viable Mold	8 RCRA Metal TCLP	PCB	Arsenic Air, Bulk, TCLP	Other	Acceptable/ Not Acceptable (A/NA)
1	1	9-23-14		X														A
2	2	↓		↓														↓
3	3	9-24-14		↓														↓
4	4	↓		↓														↓
5																		
6	1	9-11-14					X											
7	2	9-12-14					↓											
8	3	9-16-14					↓											
9	4	9-17-14					↓											
10	5	9-18-14					↓											↓
11																		
12																		
13																		

* All samples submitted to WL LLC shall be sealed in the appropriate container, cartridge, or collection vessel; shall be free of exterior dust or contamination; and shall pose no immediate or potential hazard to personnel during sample receiving and processing. When applicable, please include field blanks as required by sampling method. Wipe samples must meet ASTM requirements before analysis is run. WL cannot determine whether wipe samples meet ASTM requirements.

* All samples are received in good condition unless otherwise stated.

* *Document any correspondence with client regarding sample acceptance criteria or other aspects of analytical request on an attached sheet.*