Energy Quest II, LL

Sharara State Lease Tank Battery
Delineation Report & Work Plan

Section 16, Township 17S, Range 33E
Lea County, New Mexico

30-025-340900

March 26, 2019

Prepared for:
Energy Quest
4526 Research Forest Dr., STE 200
Woodlands, TX 77381
By:

Safety & Environmental Solutions, Inc.
703 East Clinton Street
Hobbs, New Mexico 88240
(575) 397-0510

TABLE OF CONTENTS

I. Company Contacts

Representative	Company	Telephone	E-mail
Larry Davis	Energy Quest	261-651-5201	Larry.davis@energyquest.us
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Energy Quest, to assess a spill area with the open NMOCD permit of 1RP-3481. Due to the revised NMOCD Remediation Guidelines the approved Work Plan had expired.
According to the C-141: Approximately 250 bbls of crude oil were being held in Tank # 17907 pending a transfer to transport. The tank bottom failed during hours on darkness, and was not visible. The impaired tank released approximately 220 bbls., upon discovery, the notifications were made to all parties of concern. Personnel took pro-active measures to recover as much of the product as possible, whereas approximately 52 bbls. of fluid were recovered. The location was visited by the ranch foreman, Bern Lewlin; and actions were taken to protect livestock in the vicinity. The tank was drained and cleaned so that no further release would occur. A Trimble Juno 3B handheld was used to map the spill area. Whereby, the total area of impact was estimated to be 16,000 sq. ft. (Figure 2).

III. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. Further research of the New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be 165' bgs. Thereby, posing no eminent threat or danger to life forms in the area (Appendix B).

IV. Characterization

The target cleanup levels are determined using the NMAC 19.15.29 revisions dated July 24, 2018. The soil screening criteria presented below, and the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined Benzene, Toluene, Ethyl Benzene, and Total Xylenes (BTEX), and 2,500 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 600 mg/kg (PPM) is also required for pasture impact.

Table 1 Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
<50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015B	2,500 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg

V. Work Performed

On March 04, 2019 SESI personnel together with equipment and personnel from Custom Welding of Hobbs, NM were on site to advance Auger Holes for purposes of soil delineation and screening. The impacted surface area had been previously removed and stockpiled for disposal (Manifests). The removal of surface impact would account for the differences in soil screening levels that were originally reported in 2015.
Seven (7) Auger holes were advanced to the point of refusal at 1' bgs. at all points due to rocky soil. The soil samples were properly packaged, preserved, and transported to Hall Laboratories via chain of custody, and were analyzed for the following constituencies:
(Cl Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C):

Sample ID	Chloride	DRO	GRO	BTEX
Auger Hole(AH) 1 @ Surface	ND	8600	ND	ND
AH-2 Surface	ND	8800	ND	ND
AH-3 Surface	ND	3200	ND	ND
AH-4 Surface	ND	2100	ND	ND
AH-5 Surface	68	13000	ND	ND
AH-6 Surface	110	15000	ND	ND
AH-7 Surface	ND	4200	ND	ND

On March 15, 2019 SESI personnel together with personnel and equipment from Custom Welding of Hobbs, NM returned to the site, in order to continue with delineation efforts by installing test trenches to determine the vertical extent of impact. Six (6) test trenches were installed and soil samples retrieved commencing at the surface and 1' bgs increments. The respective test trenches were advance to the extent of refusal. In all cases mechanized equipment met refusal at depths of one to one and half feet bgs.

All soil samples were properly preserved, packaged, and transported to Hall laboratories by Chain of Custody for analyses of (Cl Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX Method 8021B). The results are tabulated in the table below for ease of reference:

Sample ID	Chloride	DRO	GRO	BTEX
Test Trench (TT) 1 @ Surface	ND	1500	ND	ND
TT 1 @ 1ft.	NE	63	ND	ND
TT 1 @ 1.5 ft.	ND	63	ND	ND
TT 2 @ 1ft.	ND	540	11	.12
TT 2 @ 1.5 ft.	ND	70	ND	ND
TT 3 @ 1 ft.	ND	54	ND	ND
TT 4 @ 1ft.	63	590	ND	ND
TT 5 @ 1 ft.	74	50	ND	ND

VI. Action Plan

Based on the NMOCD soil screening levels and depth to groundwater for this area: Chlorides were not the constituency of concern in this spill event. Therefore, SESI is proposing to excavate and remove soil that is > 1,000 mg/kg in Diesel Organics (DRO). All impacted soils will be transported to an NMOCD approved facility. The pad area will be restored to grade, excavated pasture area will be backfilled with fresh topsoil and terraced to surrounding area in order to facilitate vegetation, and prevent erosion. Sidewall and Bottom Samples will be retrieved and included in all Closure Documentation.
Upon completion of remediation activities: all surface areas off of the location area will be re-seeded according New Mexico State Land Office Guidelines. All closure documentation will be drafted and submitted to the proper parties of concern.

VII. Figures & Appendices

Figure 1 - Vicinity Map
Figure 2 - Site Plan
Appendix A – C-141
Appendix B – Groundwater
Appendix C – Analytical Results
Appendix D – Photo Documentation
Appendix E – Manifests

Figure 1
Vicinity Map

Figure 2
Site Plan

Appendix A
C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	1RP-3481
District RP	1
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Energyquest II, LL	OGRID
Contact Name: Larry Davis	Contact Telephone (281) 651-5201
Contact email: larry.davis@energyquest.us	Incident # *(assigned by OCD)1RP-3481*
Contact mailing address: 4526 Research Forest Dr., STE 200, Woodlands, TX 77381	

Location of Release Source

Latitude _32.8382353381653_____ Longitude _-103.672465527684_____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Sharaha #9 (nearest well to battery)	Site Type Tank Battery
Date Release Discovered 12/29/2014	API# *(if applicable)30-025-340900000*

Unit Letter	Section	Township	Range	County
F	16	17S	33E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: Darr Angel*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude	Volume Released (bbls) 220	Volume Recovered (bbls) 52
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Approximately 250 bbls of crude oil were being held in Tank #17907 pending transfer to truck. Tank bottom failed during hours of darkness, releasing approximately 220 bbls. Upon discovery, notifications were made as shown above; personnel took actions to recover as much of product as possible, recovering approximately 52 bbls of liquid product. Location visited by ranch foreman, Bern Lewlin; actions were taken to protect cattle and wildlife in the vicinity. Tank has been drained and cleaned so that no further release can occur. Environmental consultant has been engaged to conduct measurement of the impacted area and soil delineation for remediation.

State of New Mexico
Oil Conservation Division

Incident ID	1RP-3481
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Was this a major release as defined by 19.15.29.7(A) NMAC?

If YES, for what reason(s) does the responsible party consider this a major release?

☐ Yes ☐ No

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Notice was provided by Greg Williams to Maxie December 29, 2014 at 2:00 PM

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Davis Title: Environmental and Safety Manager

Signature: Date: 03/05/19

email: larry.davis@energyquest.us Telephone: 281-651-5201

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	1RP-3481
District RP	1
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	> 165 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☑ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☑ Boring or excavation logs
- ☑ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	1RP-3481
District RP	1
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Davis Title: Environmental and Safety Manager

Signature: Date: 03/05/19

email: larry.davis@energyquest.us Telephone: 281-651-5201

OCD Only

Received by: Date:

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Incident ID	1RP-3481
District RP	1
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Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☑ Detailed description of proposed remediation technique
- ☑ Scaled sitemap with GPS coordinates showing delineation points
- ☑ Estimated volume of material to be remediated
- ☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Davis Title: Environmental and Safety Manager

Signature: Date: 03/05/19

email: larry.davis@energyquest.us Telephone: 281-651-5201

OCD Only

Received by: Date:

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Date:

State of New Mexico
Oil Conservation Division

Incident ID	1RP-3481
District RP	1
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Davis Title: Environmental and Safety Manager

Signature: Date: 03/05/19

email: larry.davis@energyquest.us Telephone: 281-651-5201

OCD Only

Received by: Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date:

Printed Name: Title:

Appendix B
Groundwater

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rng	X	Y	Depth Well	Depth Water	Water Column
L 01391 POD7		L	LE	2	2	2	08	17S	33E	623670	3636047	280	172	108
L 01391 POD8		L	LE	2	2	1	08	17S	33E	622915	3636122	274	145	129
L 01695	R	L	ED	4	4	2	25	17S	33E	630220	3630704*	230	137	93
L 01880		L	LE	3	4	3	13	17S	33E	629181	3633106*	245		
L 01880 S		L	LE	4	3	3	12	17S	33E	628955	3634708*	259	115	144
L 01880 S2		L	LE	2	1	3	13	17S	33E	628972	3633702*	235	151	84
L 01880 S3		L	LE	1	4	1	12	17S	33E	629148	3635720*	268	155	113
L 01881		L	LE	3	3	3	13	17S	33E	628778	3633100*	242		
L 01882		L	LE	4	3	4	13	17S	33E	629785	3633112*	245		
L 01883		L	LE	4	4	4	13	17S	33E	630189	3633119*	260	147	113
L 01884		L	LE	1	4	3	13	17S	33E	629181	3633306*	250		
L 02687		L	LE		2	2	36	17S	33E	630137	3629598*			
L 02770		L	LE			2	18	17S	33E	621836	3634093*	216	179	37
L 02770 S		L	LE			4	07	17S	33E	621825	3634898*	227	182	45
L 02770 S2		L	LE	2	2	3	18	17S	33E	621338	3633583*	214	184	30
L 02770 S3		L	LE	2	2	3	18	17S	33E	621338	3633583*	220	202	18
L 02875		L	LE		2	2	20	17S	33E	623662	3632717*	250	190	60
L 03012		L	LE		4	1	03	17S	33E	626012	3637179*	210	155	55
L 03133		L	LE	3	1	3	23	17S	33E	627188	3631868*	230		
L 03528		L	LE	3	4	4	04	17S	33E	625120	3636261*	265	158	107
L 03528 S2		L	LE	1	3	3	09	17S	33E	623935	3634833*	262	180	82
L 03528 S3		L	LE	4	4	1	03	17S	33E	626111	3637078*	271	155	116
L 03598		L	LE	1	1	1	06	17S	33E	620604	3637673	287	210	77
L 03598 S		L	LE	2	2	2	05	17S	33E	623690	3637642*	272	160	112
L 03622		L	LE				17	17S	33E	623053	3633703*	226	180	46
L 03713		L	LE	3	4	1	28	17S	33E	624391	3630617*	210		
L 03726		L	LE	1	2	2	18	17S	33E	621930	3634400*	208	188	20
L 03749		L	LE		3	3	09	17S	33E	624036	3634734*	230	160	70
L 03750		L	LE		4	1	01	17S	33E	629228	3637230*	180	150	30
L 03782		L	LE	4	4	4	02	17S	33E	628532	3636311*	183	151	32
L 04038		L	LE		1	4	08	17S	33E	623226	3635124*	245	173	72
L 04122		L	LE		2	3	07	17S	33E	621216	3635093*	249	214	35
L 04333		L	LE		1	1	13	17S	33E	628862	3634407*	217	165	52

L 04363	L	LE	1	2	3	35	17S	33E	627634	3628855*	226	160	66
L 04524	L	LE				06	17S	33E	621387	3636896*	100	90	10
L 04935	L	LE		2	1	02	17S	33E	627614	3637606*	204	162	42
L 05055	L	LE	3	3	4	35	17S	33E	628042	3628259*	233	150	83
L 05096	L	LE	3	3	4	35	17S	33E	628042	3628259*	233	150	83
L 09831	L	LE		4	2	01	17S	33E	630034	3637246*	200		
L 09891	L	LE		4	4	16	17S	33E	625264	3633144*	190		
L 10212	L	LE		4	4	02	17S	33E	628433	3636412*	273	168	105
L 12974 POD1	L	LE	3	4	3	18	17S	33E	621233	3632940	140	130	10
L 13049 POD1	L	LE	2	2	2	29	17S	33E	623782	3631207*	244	204	40
L 13909 POD1	L	LE	4	1	4	31	17S	33E	621735	3628514	240	240	0
L 14136 POD1	L	LE	3	3	2	12	17S	33E	629604	3635569	245	141	104
L 14159 POD1	L	LE	3	1	3	28	17S	33E	624030	3630169	298	165	133
RA 11936 POD1	RA	LE	1	4	1	19	17S	33E	621246	3632321	92		
RA 11937 POD1	RA	LE	1	4	1	19	17S	33E	621244	3632281	95		
RA 11957 POD1	RA	LE	3	4	1	19	17S	33E	621177	3632200	55		

Average Depth to Water: **165 feet**

Minimum Depth: **90 feet**

Maximum Depth: **240 feet**

Record Count: 49

PLSS Search:

Township: 17S **Range:** 33E

***UTM location was derived from PLSS - see Help**

3/1/19 1:14 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Appendix C
Analytical Results

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 25, 2019

Bob Allen

Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Shahara Battery OrderNo.: 1903785

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 7 sample(s) on 3/16/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-1 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 9:00:00 AM
Lab ID: 1903785-001 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 1:32:18 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	8600	98		mg/Kg	10	3/19/2019 2:27:34 PM	43741
Motor Oil Range Organics (MRO)	4300	490		mg/Kg	10	3/19/2019 2:27:34 PM	43741
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 2:27:34 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	3/19/2019 2:36:02 PM	43726
Surr: BFB	83.4	73.8-119	H	%Rec	1	3/19/2019 2:36:02 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025	H	mg/Kg	1	3/19/2019 2:36:02 PM	43726
Toluene	ND	0.050	H	mg/Kg	1	3/19/2019 2:36:02 PM	43726
Ethylbenzene	ND	0.050	H	mg/Kg	1	3/19/2019 2:36:02 PM	43726
Xylenes, Total	ND	0.10	H	mg/Kg	1	3/19/2019 2:36:02 PM	43726
Surr: 4-Bromofluorobenzene	101	80-120	H	%Rec	1	3/19/2019 2:36:02 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-2 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 9:20:00 AM
Lab ID: 1903785-002 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 1:44:43 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	8800	98		mg/Kg	10	3/19/2019 3:11:37 PM	43741
Motor Oil Range Organics (MRO)	3800	490		mg/Kg	10	3/19/2019 3:11:37 PM	43741
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 3:11:37 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7	H	mg/Kg	1	3/19/2019 3:21:50 PM	43726
Surr: BFB	82.6	73.8-119	H	%Rec	1	3/19/2019 3:21:50 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024	H	mg/Kg	1	3/19/2019 3:21:50 PM	43726
Toluene	ND	0.047	H	mg/Kg	1	3/19/2019 3:21:50 PM	43726
Ethylbenzene	ND	0.047	H	mg/Kg	1	3/19/2019 3:21:50 PM	43726
Xylenes, Total	ND	0.095	H	mg/Kg	1	3/19/2019 3:21:50 PM	43726
Surr: 4-Bromofluorobenzene	100	80-120	H	%Rec	1	3/19/2019 3:21:50 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-3 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 9:35:00 AM
Lab ID: 1903785-003 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 1:57:07 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	3200	98		mg/Kg	10	3/19/2019 10:32:08 PM	43741
Motor Oil Range Organics (MRO)	2700	490		mg/Kg	10	3/19/2019 10:32:08 PM	43741
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 10:32:08 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	3/19/2019 3:44:37 PM	43726
Surr: BFB	80.0	73.8-119	H	%Rec	1	3/19/2019 3:44:37 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025	H	mg/Kg	1	3/19/2019 3:44:37 PM	43726
Toluene	ND	0.050	H	mg/Kg	1	3/19/2019 3:44:37 PM	43726
Ethylbenzene	ND	0.050	H	mg/Kg	1	3/19/2019 3:44:37 PM	43726
Xylenes, Total	ND	0.099	H	mg/Kg	1	3/19/2019 3:44:37 PM	43726
Surr: 4-Bromofluorobenzene	85.8	80-120	H	%Rec	1	3/19/2019 3:44:37 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-4 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 9:50:00 AM
Lab ID: 1903785-004 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 2:34:21 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	2100	99		mg/Kg	10	3/19/2019 11:15:58 PM	43741
Motor Oil Range Organics (MRO)	1600	500		mg/Kg	10	3/19/2019 11:15:58 PM	43741
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 11:15:58 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7	H	mg/Kg	1	3/19/2019 5:38:34 PM	43726
Surr: BFB	94.8	73.8-119	H	%Rec	1	3/19/2019 5:38:34 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023	H	mg/Kg	1	3/19/2019 5:38:34 PM	43726
Toluene	ND	0.047	H	mg/Kg	1	3/19/2019 5:38:34 PM	43726
Ethylbenzene	ND	0.047	H	mg/Kg	1	3/19/2019 5:38:34 PM	43726
Xylenes, Total	ND	0.094	H	mg/Kg	1	3/19/2019 5:38:34 PM	43726
Surr: 4-Bromofluorobenzene	104	80-120	H	%Rec	1	3/19/2019 5:38:34 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-5 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 10:10:00 AM
Lab ID: 1903785-005 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	68	60		mg/Kg	20	3/21/2019 2:46:45 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	13000	180		mg/Kg	20	3/20/2019 2:48:37 PM	43741
Motor Oil Range Organics (MRO)	7300	920		mg/Kg	20	3/20/2019 2:48:37 PM	43741
Surr: DNOP	0	70-130	S	%Rec	20	3/20/2019 2:48:37 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	3/19/2019 6:01:20 PM	43726
Surr: BFB	120	73.8-119	SH	%Rec	1	3/19/2019 6:01:20 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025	H	mg/Kg	1	3/19/2019 6:01:20 PM	43726
Toluene	ND	0.050	H	mg/Kg	1	3/19/2019 6:01:20 PM	43726
Ethylbenzene	ND	0.050	H	mg/Kg	1	3/19/2019 6:01:20 PM	43726
Xylenes, Total	ND	0.10	H	mg/Kg	1	3/19/2019 6:01:20 PM	43726
Surr: 4-Bromofluorobenzene	107	80-120	H	%Rec	1	3/19/2019 6:01:20 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-6 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 10:25:00 AM
Lab ID: 1903785-006 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	110	60		mg/Kg	20	3/21/2019 3:23:59 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	15000	200		mg/Kg	20	3/20/2019 3:37:13 PM	43741
Motor Oil Range Organics (MRO)	8800	980		mg/Kg	20	3/20/2019 3:37:13 PM	43741
Surr: DNOP	0	70-130	S	%Rec	20	3/20/2019 3:37:13 PM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0	H	mg/Kg	1	3/19/2019 6:24:01 PM	43726
Surr: BFB	85.0	73.8-119	H	%Rec	1	3/19/2019 6:24:01 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025	H	mg/Kg	1	3/19/2019 6:24:01 PM	43726
Toluene	ND	0.050	H	mg/Kg	1	3/19/2019 6:24:01 PM	43726
Ethylbenzene	ND	0.050	H	mg/Kg	1	3/19/2019 6:24:01 PM	43726
Xylenes, Total	ND	0.10	H	mg/Kg	1	3/19/2019 6:24:01 PM	43726
Surr: 4-Bromofluorobenzene	104	80-120	H	%Rec	1	3/19/2019 6:24:01 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: AH-7 Surface
Project: Shahara Battery
Collection Date: 3/4/2019 10:40:00 AM
Lab ID: 1903785-007 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 3:36:24 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **lrm**	
Diesel Range Organics (DRO)	4200	98		mg/Kg	10	3/20/2019 1:26:59 AM	43741
Motor Oil Range Organics (MRO)	3500	490		mg/Kg	10	3/20/2019 1:26:59 AM	43741
Surr: DNOP	0	70-130	S	%Rec	10	3/20/2019 1:26:59 AM	43741
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6	H	mg/Kg	1	3/19/2019 6:46:40 PM	43726
Surr: BFB	82.4	73.8-119	H	%Rec	1	3/19/2019 6:46:40 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023	H	mg/Kg	1	3/19/2019 6:46:40 PM	43726
Toluene	ND	0.046	H	mg/Kg	1	3/19/2019 6:46:40 PM	43726
Ethylbenzene	ND	0.046	H	mg/Kg	1	3/19/2019 6:46:40 PM	43726
Xylenes, Total	ND	0.092	H	mg/Kg	1	3/19/2019 6:46:40 PM	43726
Surr: 4-Bromofluorobenzene	102	80-120	H	%Rec	1	3/19/2019 6:46:40 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903785**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43813**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **43813**	RunNo: **58531**
Prep Date: **3/21/2019**	Analysis Date: **3/21/2019**	SeqNo: **1965974** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-43813**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **43813**	RunNo: **58531**
Prep Date: **3/21/2019**	Analysis Date: **3/21/2019**	SeqNo: **1965975** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903785**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **LCS-43721**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **43721**	RunNo: **58453**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1961839** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.8		5.000		115	70	130			

Sample ID: **MB-43721**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **43721**	RunNo: **58453**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1961840** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		114	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903785**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43726**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962777** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.1	73.8	119			

Sample ID: **LCS-43726**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962778** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.0	80.1	123			
Surr: BFB	980		1000		98.2	73.8	119			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903785**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43726**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962813** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	80	120			

Sample ID: **LCS-43726**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962814** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	82.0	80	120			
Toluene	1.1	0.050	1.000	0	114	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	111	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Safety Env Solutions** Work Order Number: **1903785** RcptNo: **1**

Received By: **Erin Melendrez** **3/16/2019 10:50:00 AM**

Completed By: **Erin Melendrez** **3/16/2019 12:45:32 PM**

Reviewed By: ENM 3/18/19

LB: DAD 3/18/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 3/18/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good	Yes			

Chain-of-Custody Record

Client: Safety + Environmental Solutions

Mailing Address: 703 E. Clinton Hobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
5 Day Rush
☐ Standard ☐ Rush _____

Project Name: Shahara Battery

Project #: ENQ-19-001

Project Manager: Allen, Bob

Sampler: Sean Jeung

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.7°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1903785	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	RTEX (RCRA)	Chlorides			Air Bubbles (Y or N)
03/04	0900	S	Alt-1 Surface	1	Ice	-001			X									X	X			
	0920	S	Alt-2 Surface	1		-002																
	0935	S	Alt-3 Surface	1		-003																
	0950	S	Alt-4 Surface	1		-004																
	1010	S	Alt-5 Surface	1		-005																
	1025	S	Alt-6 Surface	1		-006																
	1040	S	Alt-7 Surface	1		-007			X									XX				

Date:	Time:	Relinquished by:	Received by:	Date	Time
03/15/19	1500	Sean Jeung			
3/15/19	1900			3/15/19	1600
			courier ENH 3/16/19	3/16/19	1050

Remarks:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

March 25, 2019

Bob Allen

Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX (575) 393-4388

RE: Shahara Battery OrderNo.: 1903786

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 8 sample(s) on 3/16/2019 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1903786**
Date Reported: **3/25/2019**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-1 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 8:15:00 AM
Lab ID: 1903786-001 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/21/2019 3:48:48 PM	43813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	1500	97		mg/Kg	10	3/19/2019 5:08:58 PM	43742
Motor Oil Range Organics (MRO)	1200	490		mg/Kg	10	3/19/2019 5:08:58 PM	43742
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 5:08:58 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/19/2019 7:31:50 PM	43726
Surr: BFB	88.8	73.8-119		%Rec	1	3/19/2019 7:31:50 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/19/2019 7:31:50 PM	43726
Toluene	ND	0.048		mg/Kg	1	3/19/2019 7:31:50 PM	43726
Ethylbenzene	ND	0.048		mg/Kg	1	3/19/2019 7:31:50 PM	43726
Xylenes, Total	ND	0.097		mg/Kg	1	3/19/2019 7:31:50 PM	43726
Surr: 4-Bromofluorobenzene	109	80-120		%Rec	1	3/19/2019 7:31:50 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-1 1.5Ft
Project: Shahara Battery
Collection Date: 3/15/2019 8:30:00 AM
Lab ID: 1903786-002 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/22/2019 6:12:37 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	63	9.7		mg/Kg	1	3/19/2019 5:56:48 PM	43742
Motor Oil Range Organics (MRO)	55	48		mg/Kg	1	3/19/2019 5:56:48 PM	43742
Surr: DNOP	99.8	70-130		%Rec	1	3/19/2019 5:56:48 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/19/2019 7:54:23 PM	43726
Surr: BFB	90.7	73.8-119		%Rec	1	3/19/2019 7:54:23 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	3/19/2019 7:54:23 PM	43726
Toluene	ND	0.047		mg/Kg	1	3/19/2019 7:54:23 PM	43726
Ethylbenzene	ND	0.047		mg/Kg	1	3/19/2019 7:54:23 PM	43726
Xylenes, Total	ND	0.093		mg/Kg	1	3/19/2019 7:54:23 PM	43726
Surr: 4-Bromofluorobenzene	111	80-120		%Rec	1	3/19/2019 7:54:23 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-2 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 8:50:00 AM
Lab ID: 1903786-003 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**MRA**
Chloride	ND	60		mg/Kg	20	3/22/2019 6:49:52 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**CLP**
Diesel Range Organics (DRO)	540	97		mg/Kg	10	3/19/2019 6:44:35 PM	43742
Motor Oil Range Organics (MRO)	520	480		mg/Kg	10	3/19/2019 6:44:35 PM	43742
Surr: DNOP	0	70-130	S	%Rec	10	3/19/2019 6:44:35 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	11	4.8		mg/Kg	1	3/19/2019 8:17:15 PM	43726
Surr: BFB	151	73.8-119	S	%Rec	1	3/19/2019 8:17:15 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	3/19/2019 8:17:15 PM	43726
Toluene	ND	0.048		mg/Kg	1	3/19/2019 8:17:15 PM	43726
Ethylbenzene	ND	0.048		mg/Kg	1	3/19/2019 8:17:15 PM	43726
Xylenes, Total	0.12	0.096		mg/Kg	1	3/19/2019 8:17:15 PM	43726
Surr: 4-Bromofluorobenzene	114	80-120		%Rec	1	3/19/2019 8:17:15 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-2 1.5Ft
Project: Shahara Battery
Collection Date: 3/15/2019 9:00:00 AM
Lab ID: 1903786-004 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/22/2019 7:02:16 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	70	10		mg/Kg	1	3/19/2019 7:32:24 PM	43742
Motor Oil Range Organics (MRO)	67	50		mg/Kg	1	3/19/2019 7:32:24 PM	43742
Surr: DNOP	105	70-130		%Rec	1	3/19/2019 7:32:24 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	3/19/2019 8:40:06 PM	43726
Surr: BFB	88.3	73.8-119		%Rec	1	3/19/2019 8:40:06 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/19/2019 8:40:06 PM	43726
Toluene	ND	0.047		mg/Kg	1	3/19/2019 8:40:06 PM	43726
Ethylbenzene	ND	0.047		mg/Kg	1	3/19/2019 8:40:06 PM	43726
Xylenes, Total	ND	0.095		mg/Kg	1	3/19/2019 8:40:06 PM	43726
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	3/19/2019 8:40:06 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-3 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 9:20:00 AM
Lab ID: 1903786-005 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	3/22/2019 7:14:41 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	54	9.6		mg/Kg	1	3/19/2019 8:20:13 PM	43742
Motor Oil Range Organics (MRO)	51	48		mg/Kg	1	3/19/2019 8:20:13 PM	43742
Surr: DNOP	98.0	70-130		%Rec	1	3/19/2019 8:20:13 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/19/2019 9:02:55 PM	43726
Surr: BFB	84.5	73.8-119		%Rec	1	3/19/2019 9:02:55 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/19/2019 9:02:55 PM	43726
Toluene	ND	0.048		mg/Kg	1	3/19/2019 9:02:55 PM	43726
Ethylbenzene	ND	0.048		mg/Kg	1	3/19/2019 9:02:55 PM	43726
Xylenes, Total	ND	0.096		mg/Kg	1	3/19/2019 9:02:55 PM	43726
Surr: 4-Bromofluorobenzene	99.1	80-120		%Rec	1	3/19/2019 9:02:55 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-4 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 9:50:00 AM
Lab ID: 1903786-006 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	63	60		mg/Kg	20	3/22/2019 7:51:55 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	590	9.9		mg/Kg	1	3/20/2019 1:13:33 PM	43742
Motor Oil Range Organics (MRO)	380	49		mg/Kg	1	3/20/2019 1:13:33 PM	43742
Surr: DNOP	109	70-130		%Rec	1	3/20/2019 1:13:33 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/19/2019 9:25:43 PM	43726
Surr: BFB	112	73.8-119		%Rec	1	3/19/2019 9:25:43 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	3/19/2019 9:25:43 PM	43726
Toluene	ND	0.049		mg/Kg	1	3/19/2019 9:25:43 PM	43726
Ethylbenzene	ND	0.049		mg/Kg	1	3/19/2019 9:25:43 PM	43726
Xylenes, Total	ND	0.099		mg/Kg	1	3/19/2019 9:25:43 PM	43726
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	3/19/2019 9:25:43 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-5 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 10:15:00 AM
Lab ID: 1903786-007 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	74	60		mg/Kg	20	3/22/2019 8:04:20 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	50	9.8		mg/Kg	1	3/19/2019 9:55:30 PM	43742
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/19/2019 9:55:30 PM	43742
Surr: DNOP	104	70-130		%Rec	1	3/19/2019 9:55:30 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	3/19/2019 10:56:33 PM	43726
Surr: BFB	83.9	73.8-119		%Rec	1	3/19/2019 10:56:33 PM	43726
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	3/19/2019 10:56:33 PM	43726
Toluene	ND	0.046		mg/Kg	1	3/19/2019 10:56:33 PM	43726
Ethylbenzene	ND	0.046		mg/Kg	1	3/19/2019 10:56:33 PM	43726
Xylenes, Total	ND	0.093		mg/Kg	1	3/19/2019 10:56:33 PM	43726
Surr: 4-Bromofluorobenzene	97.6	80-120		%Rec	1	3/19/2019 10:56:33 PM	43726

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions
Client Sample ID: TT-6 1Ft
Project: Shahara Battery
Collection Date: 3/15/2019 10:35:00 AM
Lab ID: 1903786-008 **Matrix:** SOIL **Received Date:** 3/16/2019 10:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	71	60		mg/Kg	20	3/22/2019 8:16:44 PM	43837
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **CLP**	
Diesel Range Organics (DRO)	40	10		mg/Kg	1	3/19/2019 10:19:16 PM	43742
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/19/2019 10:19:16 PM	43742
Surr: DNOP	110	70-130		%Rec	1	3/19/2019 10:19:16 PM	43742
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/19/2019 2:16:34 PM	43727
Surr: BFB	95.7	73.8-119		%Rec	1	3/19/2019 2:16:34 PM	43727
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	3/19/2019 2:16:34 PM	43727
Toluene	ND	0.048		mg/Kg	1	3/19/2019 2:16:34 PM	43727
Ethylbenzene	ND	0.048		mg/Kg	1	3/19/2019 2:16:34 PM	43727
Xylenes, Total	ND	0.097		mg/Kg	1	3/19/2019 2:16:34 PM	43727
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	3/19/2019 2:16:34 PM	43727

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903786**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43813**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **43813**	RunNo: **58531**
Prep Date: **3/21/2019**	Analysis Date: **3/21/2019**	SeqNo: **1965974** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-43813**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **43813**	RunNo: **58531**
Prep Date: **3/21/2019**	Analysis Date: **3/21/2019**	SeqNo: **1965975** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: **MB-43837**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **43837**	RunNo: **58569**
Prep Date: **3/22/2019**	Analysis Date: **3/22/2019**	SeqNo: **1967112** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-43837**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **43837**	RunNo: **58569**
Prep Date: **3/22/2019**	Analysis Date: **3/22/2019**	SeqNo: **1967113** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903786**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43742**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **43742**	RunNo: **58454**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1963736** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID: **LCS-43742**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **43742**	RunNo: **58454**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1963737** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.9	63.9	124			
Surr: DNOP	4.8		5.000		95.1	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903786**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43727**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **43727**	RunNo: **58461**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962672**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.6	73.8	119			

Sample ID: **LCS-43727**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **43727**	RunNo: **58461**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962673**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	80.1	123			
Surr: BFB	1100		1000		111	73.8	119			

Sample ID: **1903786-008AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TT-6 1Ft**	Batch ID: **43727**	RunNo: **58461**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962675**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.7	23.41	0	111	69.1	142			
Surr: BFB	1000		936.3		107	73.8	119			

Sample ID: **1903786-008AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **TT-6 1Ft**	Batch ID: **43727**	RunNo: **58461**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962676**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.8	23.92	0	109	69.1	142	0.645	20	
Surr: BFB	1000		956.9		108	73.8	119	0	0	

Sample ID: **MB-43726**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **43726**	RunNo: **58462**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962777**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		83.1	73.8	119			

Sample ID: **LCS-43726**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **43726**	RunNo: **58462**							
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962778**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903786**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **LCS-43726**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962778** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.0	80.1	123			
Surr: BFB	980		1000		98.2	73.8	119			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1903786**

25-Mar-19

Client: Safety & Environmental Solutions

Project: Shahara Battery

Sample ID: **MB-43727**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **43727**	RunNo: **58461**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962711** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **LCS-43727**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **43727**	RunNo: **58461**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.5	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	105	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	80	120			

Sample ID: **MB-43726**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962813** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	80	120			

Sample ID: **LCS-43726**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **43726**	RunNo: **58462**
Prep Date: **3/18/2019**	Analysis Date: **3/19/2019**	SeqNo: **1962814** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	1.000	0	82.0	80	120			
Toluene	1.1	0.050	1.000	0	114	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	111	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	80	120			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Safety Env Solutions** Work Order Number: **1903786** RcptNo: **1**

Received By: **Erin Melendrez** **3/16/2019 10:50:00 AM**

Completed By: **Erin Melendrez** **3/16/2019 12:54:19 PM**

Reviewed By: ENM 3/18/19

LB: DAD 3/18/19

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: DAD 3/18/19

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.7	Good	Yes			

Chain-of-Custody Record

Client: Safety & Environmental Solutions

Mailing Address: 703 E. Clinton Hobbs NM 88240

Phone #: 575-397-0510

email or Fax#:

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
5 Day Rush
☐ Standard ☐ Rush _____

Project Name: Shallaker Battery

Project #: ENG-19-001

Project Manager: Allen, Bob

Sampler: Son Jay

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.7°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1903786	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BTEX (8021)	Chlorides			Air Bubbles (Y or N)
03/15	0815	S	TT-1 1FT	1		-001			X									X	X			
03/15	0830	S	TT-1 1.5FT	1		-002																
03/15	0850	S	TT-2 1FT	1		-003																
03/15	0900	S	TT-2 1.5Ft	1		-004																
03/15	0920	S	TT-3 1Ft	1		-005																
03/15	0950	S	TT-4 1Ft	1		-006																
03/15	1015	S	TT-5 1Ft	1		-007																
03/15	1035	S	TT-6 1FT	1		-008			X									X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
03/15/19	1500	Son Jay		03/15/19	1600
Date:	Time:	Relinquished by:	Received by:	Date	Time
03/15/19	1900		Courier ENM 3/16/19	3/16/19	1050

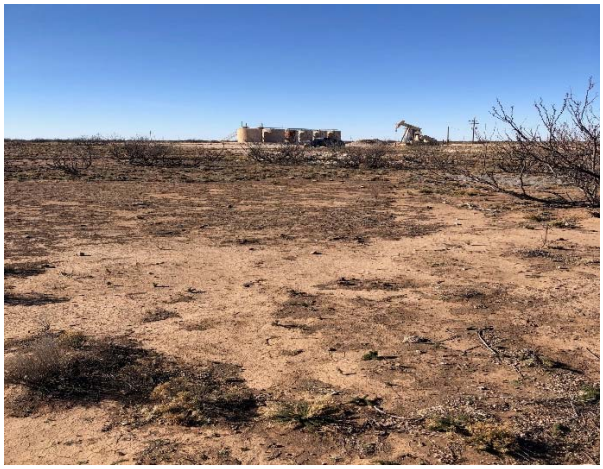
Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

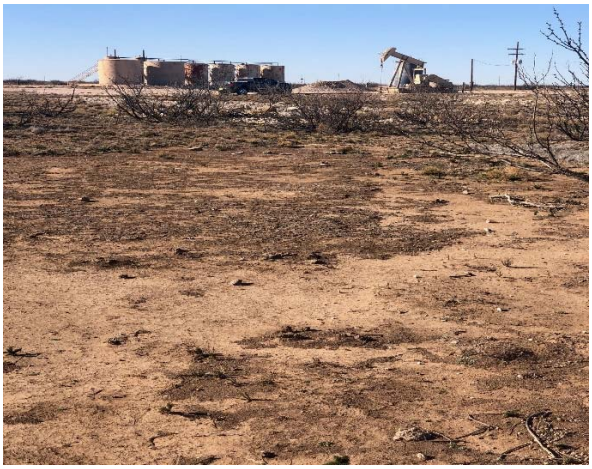
Appendix D
Site Photos

Site Photographs

Energy Quest Sharara State Lease Tank Battery
Sec.16, T 17S, R 33E



Spill Path SE of location



Drone Photo of location

Spill Exits pad into Pasture Area

Location from North to South

Location from West to East

Appendix E
Disposal Manifests

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Triple Crown

NON-HAZARDOUS WASTE MANIFEST NO 128222 | 1. PAGE __ OF __ | 2. TRAILER NO. 504

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
ENERGYQUEST II LLC	4526 Research Forest DR # 200			3/7/2019
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(281) 875-6200	The Woodlands	TX	77381	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
WT: 32,560 38,480					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
SAHARA BATTERY To 71,340	

TOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

R

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: CUSTOM WELDING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME J. Hamlett	PRINTED/TYPED NAME
SIGNATURE Jack Hamlett DATE 3/7/2019	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Santos Gonzalez		3/7/2019	9:25

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Triple M

NON-HAZARDOUS WASTE MANIFEST NO 128223 | 1. PAGE __ OF __ | 2. TRAILER NO. 101

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
ENERGYQUEST II LLC	4526 Research Forest DR # 200			3/7/2019
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(281) 875-6200	The Woolands	TX	77381	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
WT: 32,340 42,300					

12. COMMENTS OR SPECIAL INSTRUCTIONS: SAHARA BATTERY To 74,640

13. WASTE PROFILE NO.

TRANSPORTER

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME: JOE ONTIVEROS | PHONE NO: 575-887-4048 | 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME | SIGNATURE | DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: CUSTOM WELDING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME CARLOS ENRIQUEZ	PRINTED/TYPED NAME
SIGNATURE DATE 3/7/2019	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Santos Gonzalez		3/7/2019	9:30

GENERATOR: COPIES 1 & 6 | DISPOSAL SITE: COPIES 2 & 3 | TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 M. Mata

NON-HAZARDOUS WASTE MANIFEST NO 128224 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 151

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
ENERGYQUEST II LLC	4526 Research Forest DR # 200			3/7/2019
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(281) 875-6200	The Woolands	TX	77381	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM			
b.					
c.					
WT: 24,680 38,340					

12. COMMENTS OR SPECIAL INSTRUCTIONS:
SAHARA BATTERY
→ 65,040

13. WASTE PROFILE NO.

TRANSPORTER

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: CUSTOM WELDING	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:	EMERGENCY PHONE:
18. **TRANSPORTER (1):** Acknowledgment of receipt of material	19. **TRANSPORTER (2):** Acknowledgment of receipt of material
PRINTED/TYPED NAME Alejandro Lopez	PRINTED/TYPED NAME
SIGNATURE Alejandro Lopez DATE 3/7/2019	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Santos Montoya	—	3/7/2019	9:35

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1