March 4, 2013

Mr. Keith Sheedy
Texas Commission on Environmental Quality
Remediation Division
P.O. Box 13087
MC-122
Austin, Texas 78711-3087

RE: Submittal of Site Monitoring and Quality Assurance Data for February 27, 2013
Exide Technologies Frisco Recycling Center
Frisco, Texas
IHW 50206, SWR No. 30516, RN100218643

Dear Mr. Sheedy:

With this letter, W&M Environmental Group, Inc. (W&M) is submitting a summary of air monitoring data related to Site activities at the Exide Technologies Frisco Recycling Center located in Frisco, Texas pursuant to Section 5.0 of the *Perimeter Air Monitoring Plan - Facility Demolition* dated February 20, 2013.

This submittal is for data collected or received for work on **Wednesday, February 27, 2013**. Site activities being conducted during this reporting period are noted below:

☒	**Decontamination**	☒	**Facility Demolition**	☐	**Landfill Remediation**

The following Worksheets, Data Sheets or Reports are included within this submittal:

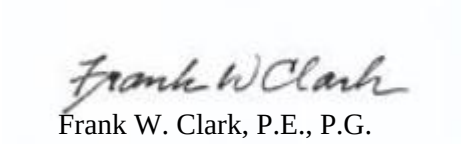
		Description	Details	Remarks
☒	A	Daily Summary Report	Real-time Particulate Monitoring , Wind Speed & Direction	
☒	B	Take Action/Stop Work Notifications	Response actions taken due to high wind or elevated real-time particulate readings	1
☒	C	Field Data Sheet – E-BAMs	E-BAM particulate monitoring (PM) positions and locations	2
☒	D	Field Data Sheet – Low Vols	Details for low-volume samples for Pd/Cd	2
☒	E	Analytical Report – Metals Analysis	Laboratory Data Report for Pb/Cd in air samples	
☐	F	Updated Table 1	Re-calculated Action Levels based upon actual PM, Pb and Cd data	

Remark No.	Comments
1	Dust generating activities (demolition work) on this date occurred only from 0700 hrs. to 1130 hrs. due to projected high wind conditions in the afternoon. Refer to Daily Work Time Summary in **Attachment C.**
2	Due to an equipment component failure, no upwind PM_{10} monitor could be established till 1615 hrs.; all downwind monitors were in place. No lead in air samples were recovered at the upwind location.

W&M has reviewed the information in relation to the quality assurance requirements outlined in the *Perimeter Air Monitoring Work Plans*, and the data meets the project QA requirements.

If you have any questions or require additional information, please do not hesitate to call me at 972-509-9611.

Very truly yours,
W&M ENVIRONMENTAL GROUP, INC.



Frank W. Clark, P.E., P.G.
Senior Consultant

cc: Vanessa Coleman – Exide Technologies, Inc.
Aileen Hooks, Jennifer Keane - Baker Botts LLC
Grant Sherwood, Dan Roth - Remediation Services, Inc.
Tim Nickels - Pastor Behling & Wheeler, LLC

DAILY SUMMARY REPORTS

ATTACHMENT A

Daily Summary Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination and Demolition
Frisco, Texas

Date	Time Interval (30-min blocks)	E-BAM G4605 30-min avg (mg/m^3)	E-BAM F5001 30-min avg (mg/m^3)	E-BAM G4526 30-min avg (mg/m^3)	E-BAM G4607 30-min avg (mg/m^3)	Wind Direction (30-min avg from N)	Wind Speed (30-min avg mph)
		Upwind	Downwind	Downwind	Downwind		
2/27/2013	07:00-07:29		0.013	0.042	0.019	291	6.2
	07:30-07:59		0.025	0.052	0.008	301	5.0
	08:00-08:29		0.029	0.018	0.020	271	5.1
	08:30-08:59		0.033	0.038	0.013	321	8.7
	09:00-09:29		0.015	0.017	0.014	327	11.6
	09:30-09:59		0.015	0.020	0.020	322	11.4
	10:00-10:29		0.027	0.017	0.023	322	12.3
	10:30-10:59		0.012	0.014	0.023	315	11.5
	11:00-11:29		0.012	0.016	0.009	306	15.0
	11:30-11:59		0.006	0.010	0.019	304	16.0
	12:00-12:29		-0.005	0.010	0.021	314	17.7
	12:30-12:59		-0.005	0.012	0.011	315	17.2
	13:00-13:29		0.000	0.014	0.020	308	17.6
	13:30-13:59		0.008	0.010	0.014	313	19.3
	14:00-14:29		0.016	0.015	0.025	318	18.5
	14:30-14:59		0.015	0.006	0.025	315	17.8
	15:00-15:29		0.018	0.014	0.045	316	18.2
	15:30-15:59		0.010	0.010	0.025	316	18.5
	16:00-16:29	0.812	0.013	0.011	0.026	309	20.2
	16:30-16:59	0.217	0.010	0.024	0.023	321	18.0
	17:00-17:29	0.127	0.006	0.035	0.036	314	19.4
	17:30-17:59	0.104		0.015	0.024	311	17.7
Daily Averages ----->		**0.315**	**0.013**	**0.019**	**0.021**	**311**	**14.7**

Notes:

- Data reported below 0 mg/m^3 is considered to be zero concentration
- Blank data records indicate no data was transmitted for the given time interval
- Wind direction values are reported as the origin of the wind as referenced in degrees from North

TAKE ACTION/STOP WORK NOTIFICATIONS

ATTACHMENT B

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination/Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
2/27/2013	11:46:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.0	> 20.0	No dust generating activities at this time.
	11:50:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.1	> 20.0	No dust generating activities at this time.
	12:06:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time.
	12:15:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.3	> 20.0	No dust generating activities at this time.
	12:20:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.3	> 20.0	No dust generating activities at this time.
	12:29:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.4	> 20.0	No dust generating activities at this time.
	12:40:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.
	12:46:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time.
	12:51:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.1	> 20.0	No dust generating activities at this time.
	12:54:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.2	> 20.0	No dust generating activities at this time.
	12:57:00	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure - Downwind Device F5001	Null	Null	No dust generating activities at this time. Due to relocating monitor.
	13:16:35	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.8	> 20.0	No dust generating activities at this time.
	13:20:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.3	> 20.0	No dust generating activities at this time.
	13:27:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.2	> 20.0	No dust generating activities at this time.
	13:31:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.7	> 20.0	No dust generating activities at this time.
	13:34:35	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.8	> 20.0	No dust generating activities at this time.
	13:37:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.5	> 20.0	No dust generating activities at this time.
	13:40:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	13:42:34	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	13:44:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	13:46:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.6	> 20.0	No dust generating activities at this time.
	13:50:34	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.2	> 20.0	No dust generating activities at this time.
	13:53:34	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.8	> 20.0	No dust generating activities at this time.
	13:57:03	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	24.7	> 20.0	No dust generating activities at this time.
	14:04:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.1	> 20.0	No dust generating activities at this time.
	14:06:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.
	14:15:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	23.8	> 20.0	No dust generating activities at this time.
	14:21:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	14:25:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.3	> 20.0	No dust generating activities at this time.
	14:36:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.9	> 20.0	No dust generating activities at this time.
	14:47:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.3	> 20.0	No dust generating activities at this time.
	14:54:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.8	> 20.0	No dust generating activities at this time.
	14:57:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.3	> 20.0	No dust generating activities at this time.
	15:02:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.8	> 20.0	No dust generating activities at this time.
	15:08:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.1	> 20.0	No dust generating activities at this time.
	15:10:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.

Daily Notification Report
Real-Time Particulate Monitoring Data
Exide Technologies - Facility Decontamination/Demolition
Frisco, Texas

Date	Time	Condition	Status	Parameter	Notification Subject Line	Measured Value	Criterion	Comments
2/27/2013	15:14:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.9	> 20.0	No dust generating activities at this time.
	15:18:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.9	> 20.0	No dust generating activities at this time.
	15:20:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.0	> 20.0	No dust generating activities at this time.
	15:29:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	15:43:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.8	> 20.0	No dust generating activities at this time.
	15:46:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.
	15:52:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	23.4	> 20.0	No dust generating activities at this time.
	16:01:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	25.0	> 20.0	No dust generating activities at this time.
	16:07:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.1	> 20.0	No dust generating activities at this time.
	16:15:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.
	16:17:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.7	> 20.0	No dust generating activities at this time.
	16:21:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.4	> 20.0	No dust generating activities at this time.
	16:27:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.3	> 20.0	No dust generating activities at this time.
	16:29:35	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind)	0.827	> 0.1	No dust generating activities at this time. Upwind monitor.
	16:29:35	STOP WORK	Trigger	PM10 - 30min Avg	STOP WORK LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind)	0.827	> 0.2	No dust generating activities at this time. Upwind monitor.
	16:30:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time.
	16:36:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.6	> 20.0	No dust generating activities at this time.
	16:59:44	STOP WORK	Trigger	PM10 - 60min Avg	STOP WORK LEVEL - PM10 (60-min) Trigger Condition (Stn A - G4605 - Upwind)	0.359	> 0.1	No dust generating activities at this time. Upwind monitor.
	17:00:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.0	> 20.0	No dust generating activities at this time.
	17:02:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.7	> 20.0	No dust generating activities at this time.
	17:04:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.5	> 20.0	No dust generating activities at this time.
	17:05:31	STOP WORK	Trigger	PM10 - 60min Avg	STOP WORK LEVEL - PM10 (60-min) Trigger Condition (Stn A - G4605 - Upwind)	0.357	> 0.1	No dust generating activities at this time. Upwind monitor.
	17:05:31	STOP WORK	Trigger	PM10 - 30min Avg	STOP WORK LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind)	0.216	> 0.2	No dust generating activities at this time. Upwind monitor.
	17:05:31	TAKE ACTION	Trigger	PM10 - 30min Avg	TAKE ACTION LEVEL - PM10 Trigger Condition (Stn A - G4605 - Upwind)	0.216	> 0.1	No dust generating activities at this time. Upwind monitor.
	17:05:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.2	> 20.0	No dust generating activities at this time.
	17:13:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.4	> 20.0	No dust generating activities at this time.
	17:16:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	22.8	> 20.0	No dust generating activities at this time.
	17:22:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.7	> 20.0	No dust generating activities at this time.
	17:23:54	STOP WORK	Trigger	Data Failure	STOP WORK - Communication Failure - Downwind Device F5001	Null	Null	No dust generating activities at this time. Due to changing batteries for the unit.
	17:25:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	21.2	> 20.0	No dust generating activities at this time.
	17:36:44	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time.
	17:45:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.2	> 20.0	No dust generating activities at this time.
	17:47:45	STOP WORK	Trigger	High Wind	STOP WORK - High Wind (1-min avg) !!! Trigger Condition (Weather Station - Exide)	20.7	> 20.0	No dust generating activities at this time.

FIELD DATA SHEETS – E-BAMS

ATTACHMENT C

FIELD DATA SHEET
E-Bam Particulate Monitoring
Remediation Services, Inc.

RSI Project No: 21252 **Exide, Frisco TX**

Project Name: Facility Demolition

Technician Name Johnny Gillman **Sampling Date** 02-27-13

E-BAM SN	G4607
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.1372178
Longitude	-96.8240592
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	G4605
Upwind	X
Downwind	
GPS LOCATION	
Latitude	33.14330
Longitude	-96.83065
EBAM PAIRED WITH LOW VOL PUMP?	No
START TIME:	16:15
END TIME:	16:30

E-BAM SN	G4526
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.1356352
Longitude	-96.8273936
EBAM PAIRED WITH LOW VOL PUMP?	Yes
START TIME:	7:00
END TIME:	16:30

E-BAM SN	F5001
Upwind	
Downwind	X
GPS LOCATION	
Latitude	33.1407617
Longitude	-96.8245256
EBAM PAIRED WITH LOW VOL PUMP?	YES
START TIME:	7:00
END TIME:	16:30

Daily Working Times Summary
Exide Technologies
Frisco Texas

Date Work Performed: 02-27-13

Building Demolition Activities

Start Time	7:00	Stop Time	11:30
Start Time	0	Stop Time	0
Start Time		Stop Time	
Start Time		Stop Time	

Landfill Waste Stabilization Activities

Start Time	0	Stop Time	0
Start Time		Stop Time	
Start Time		Stop Time	
Start Time		Stop Time	

FIELD DATA SHEETS –
LOW VOLUME SAMPLERS

ATTACHMENT D

FIELD DATA SHEET

Low Volume Air Monitoring

Company:	RSI
Project:	Exide, Frisco TX
Project Number	21252
Project Name (Demo, Landfill Stab, etc)	Demolition
Technician Name:	JOHNNY GELLMAN

Formulas

Average Flow (L/min) = (Start + Stop) / 2

Sample Volume(Liters) = Avg Flow (L/min) X Duration (min)

Analysis	NIOSH 7303 Lead/Cadmium
Date Samples Collected:	02.27.13

Pump No. 3073	**1**
Upwind	
Downwind	X
Sample ID #	EXDEMD130227DW001
E-Bam Number	FS001
Flow Rate: Start (L/min)	3.57L
Flow Rate: Stop (L/min)	3.61L
Avg Flow (L/min)	3.59L
Start time	7:02
End Time	17:14
Duration in minutes	612
Sample Volume (Liters)	2197 L

Pump No. 3014	**2**
Upwind	
Downwind	X
Sample ID #	EXDEMD130227DW607
E-Bam Number	G4607
Flow Rate: Start (L/min)	3.53L
Flow Rate: Stop (L/min)	3.53L
Avg Flow (L/min)	3.53L
Start time	7:10
End Time	16:50
Duration in minutes	580
Sample Volume (Liters)	2047L

Pump No. 3015	**3**
Upwind	
Downwind	X
Sample ID #	EXDEMD130227DW526
E-Bam Number	G4526
Flow Rate: Start (L/min)	3.62L
Flow Rate: Stop (L/min)	3.61L
Avg Flow (L/min)	3.615L
Start time	7:17
End Time	16:57
Duration in minutes	580
Sample Volume (Liters)	2097L

Pump No.	**4**
Upwind	
Downwind	
Sample ID #	
E-Bam Number	
Flow Rate: Start (L/min)	
Flow Rate: Stop (L/min)	
Avg Flow (L/min)	
Start time	
End Time	
Duration in minutes	
Sample Volume (Liters)	

Field Blank (if collected) 1 - Per Week Required

Upwind	NA
Downwind	NA
Flow Rate	0
Sample ID #	

ANALYTICAL DATA REPORTS – METALS ANALYSIS

ATTACHMENT E

ANALYTICAL REPORT

Report Date: March 01, 2013

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-1305914**
Client Project ID: 21252/Exide Frisco 022813
Purchase Order: 21252
Project Manager: Paul Pope

Analytical Results

Sample ID: **EX DEMO 130227 DW001** Media: MCE Filter Collected: 02/27/2013
Lab ID: 1305914001 Sampling Location: Exide Frisco Received: 02/28/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 2197 L **Prepared:** 02/28/2013 **Analyzed:** 03/01/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.010	0.023	0.075
Lead	<0.38	<0.17	0.38	1.3

Sample ID: **EX DEMO 130227 DW607** Media: MCE Filter Collected: 02/27/2013
Lab ID: 1305914002 Sampling Location: Exide Frisco Received: 02/28/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 2047 L **Prepared:** 02/28/2013 **Analyzed:** 03/01/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.011	0.023	0.075
Lead	<0.38	<0.18	0.38	1.3

Sample ID: **EX DEMO 130227 DW526** Media: MCE Filter Collected: 02/27/2013
Lab ID: 1305914003 Sampling Location: Exide Frisco Received: 02/28/2013

Method: NIOSH 7300 Mod. **Sampling Parameter:** Air Volume 2097 L **Prepared:** 02/28/2013 **Analyzed:** 03/01/2013

Analyte	ug/sample	ug/m³	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.011	0.023	0.075
Lead	<0.38	<0.18	0.38	1.3

Report Authorization

Method	Analyst	Peer Review
NIOSH 7300 Mod.	Penny A. Foote	Peter P. Steen

ANALYTICAL REPORT

Workorder: **34-1305914**
Client Project ID: 21252/Exide Frisco 022813
Purchase Order: 21252
Project Manager: Paul Pope

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsslc.com

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Environmental	ACLASS (DoD ELAP)	ADE-1420	http://www.aclasscorp.com
	Utah (NELAC)	DATA1	http://health.utah.gov/lab/labimp/
	Nevada	UT00009	http://ndep.nv.gov/bsdw/labservice.htm
	Oklahoma	UT00009	http://www.deq.state.ok.us/CSDnew/
	Iowa	IA# 376	http://www.iowadnr.gov/InsideDNR/RegulatoryWater.aspx
	Florida (TNI)	E871067	http://www.dep.state.fl.us/labs/bars/sas/qa/
	Texas (TNI)	T104704456-11-1	http://www.tceq.texas.gov/field/qa/lab_accred_certif.html
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP/ELLAP)	101574	http://www.aihaaccreditedlabs.org
Lead Testing:			
CPSC	ACLASS (ISO 17025, CPSC)	ADE-1420	http://www.aclasscorp.com
Soil, Dust, Paint ,Air	AIHA (ISO 17025, AIHA ELLAP and NLLAP)	101574	http://www.aihaaccreditedlabs.org
Dietary Supplements	ACLASS (ISO 17025)	ADE-1420	http://www.aclasscorp.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
** No result could be reported, see sample comments for details.
< This testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: **1305914**

Limits: Historical/Performance
Basis: ALS Laboratory Group

Preparation: IH Metals, MCE Prep
Batch: IIPX/11926 (HBN: 102966)
Prepared By: Adam K. Taft

Analysis: IH Metals QC
Batch: IICP/7935 (HBN: 103033)
Analyzed By: Penny A. Foote

Blank

Blank: 323445
Analyzed: 03/01/2013 09:48
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0225	0.075
Lead	ND	0.375	1.25

LMB: 323446
Analyzed: 03/01/2013 09:51
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	0.0225	0.075
Lead	ND	0.375	1.25

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 323447
Analyzed: 03/01/2013 09:55
Units: ug/sample

LCSD: 323448
Analyzed: 03/01/2013 09:58

Analyte	Result	Target	% Recovery	QC Limits		Result	RPD	QC Limits	
Cadmium	9.77	10	97.7	89.8	112.5	9.78	0.161	0	15
Lead	99.9	100	99.9	88	115	100	0.108	0	15

QC Data Approved and Reviewed by

Penny A. Foote	Peter P. Steen	3/1/2013
Analyst	**Peer Review**	**Date**

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
◆ - Sample and Matrix Duplicate less than 5 times the reporting limit

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected
QC results are not adjusted for moisture correction, where applicable

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			LRC Date: 03/01/2013				
Project Name: Exide, Frisco			Laboratory Job Number: 1305914				
Reviewer Name: Paul Pope			Prep Batch Number(s):				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW-846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SQLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?		X			
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?			X		
		Were all necessary corrective actions performed for the reported data?			X		
		Was applicable and available technology used to lower the SDL minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?			X		

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Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Environmental Laboratory			LRC Date: 03/01/2013				
Project Name: Exide, Frisco			Laboratory Job Number: 1305914				
Reviewer Name: Paul Pope			Reviewer Name: Paul Pope				
#[1]	**A[2]**	**Description**	**Yes**	**No**	**NA[3]**	**NR[4]**	**ER#[5]**
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB)**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data** (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods** (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
3. NA = Not Applicable;
4. NR = Not Reviewed;
5. R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data		
Laboratory Name: ALS Environmental Laboratory		LRC Date: 03/01/2013
Project Name: Exide, Frisco		Laboratory Job Number: 1305914
Reviewer Name: Paul Pope		Prep Batch Number(s):
ER#[5]	**Description**	

Chain of Custody

W 1305914

1305914

1. ☐ **REGULAR Status**

☒ **RUSH Status Requested - ADDITIONAL CHARGE**
RESULTS REQUIRED BY 02.28.13
DATE
CONTACT ALS SALT LAKE PRIOR TO SENDING SAMPLES

2. Date 02.27.13 Purchase Order No. 21252

3. Company Name Remediation Services, inc.
Address PO Box 587
Independence, KS 67301
Person to Contact: Grant Sherwood
Telephone (620) 331-1200
Fax Telephone (620) 331-6216
E-mail Address gsherwood@rsi-ks.com
Billing Address (if different from above)

4. Quote No.
ALS Project Manager Paul Pope

5. **Sample Collection**
Sampling Site: Exide Frisco
Industrial Process: Decontamination and Demo
Date of Collection 02.27.13
Time Collected 7:00 - 17:00
Date of Shipment 02.27.13

Send Results to: gsherwood@rsi-ks.com, jrgillman@rsi-ks.com, vanessa.coleman@na.exide.com, droth@rsi-ks.com

Send Invoice to : strotter@rsi-ks.com

7. **REQUEST FOR ANALYSES**

Laboratory Use Only	Client Sample Number	Matrix*	Sample Volume	ANALYSES REQUESTED - Use method number if known	Units**
	EXDEMO130227DW001	37 um MCE	2197L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130227DW607	37 um MCE	2047L	NIOSH 7303 - Lead and Cadmium	ug/m^3
	EXDEMO130227DW526	37 um MCE	2097L	NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3
		37 um MCE		NIOSH 7303 - Lead and Cadmium	ug/m^3

EX-DEMO = Project (Exide-Demolition)
YYMMDD = Sampling date (e.g., 11/01/2012 = 121101)
LOC = Sample Location (e.g. UW = Upwind, DW = Downwind)
XXX = E-BAM Monitor Sample Association – Last 3 digits of Serial Number,
QQ = Optional QA sample flag (TB = trip blank, FB = field blank, SC = duplicate)

Comments LOWEST POSSIBLE DETECTION LIMIT

Possible Contamination and/or Chemical Hazards: Lead and cadmium

7. **Chain of Custody (Optional)**

Relinquished by JOHNNY GILLMAN Date/Time 02.27.13 19:00
Received by Date/Time 2/28/13 9:30
Relinquished by Date/Time
Received by Date/Time

960 West LeVoy Drive / Salt Lake City, UT 84123 **800-356-9135 or 801-266-7700 / FAX: 801-268-9992**
ALS Laboratory Group