REPORT OF RCRA SAMPLING INSPECTION

AT

EXIDE TECHNOLOGIES
7471 South Fifth Street
Frisco, Texas 75034
(972) 335-2121

EPA ID Number: TXD006451090

ON

April 1 and 15, 2010

BY

U.S. ENVIRONMENTAL PROTECTION AGENCY
Region VI
Compliance Assurance and Enforcement Division

PARTICIPANTS

Exide Technologies (Exide):
James Messer, Environmental Manager and Quality Control

U.S. Environmental Protection Agency (EPA):
Jamal Lewis, Environmental Scientist (Team Leader)
Ron Shannon, Environmental Scientist
Paul James, Environmental Scientist (April 1, 2010 Only)

INTRODUCTION

On April 1 and 15, 2010, an EPA Sampling Team collected samples at Exide Technologies in Frisco, Texas. The purpose of this sampling event is to verify that substances have been characterized correctly according to the facility representative's description of Exide Technologies' facility operations and hazardous waste treatment activities. The sample locations were chosen during the visual site tour of the facility by the EPA Inspector and based upon information obtained from the previous Compliance Evaluation Inspection. Samples collected consisted of untreated blast furnace slag, treated blast furnace slag, existing blast furnace slag in landfill, and leachate from the landfill at the Exide Technologies facility in Frisco, Texas. The samples were collected from areas inside the perimeter of the Exide Technologies facility (the Slag Fixation Building, landfill, and leachate tank). Samples were analyzed by the US EPA National Enforcement Investigations Center in Denver, Colorado.

SAMPLING ACTIVITIES

On April 1, 2010 the Sampling Team arrived at the Exide Technology facility and met with Mr. James Messer, Environmental Manager and Quality Control. The Team Leader informed Mr. Messer that EPA was on site to sample the land fill, leachate tank, untreated slag, and treated slag. Mr. Messer informed the Sampling Team that the untreated slag was unavailable due to the repairs being made to the Slag Treatment Tank. He added that the repairs would be completed in two weeks. The Sampling Team, accompanied by Mr. Messer, arrived at the leachate tank at 10 AM. The Sampling Team began collecting samples of the leachate tank at 10:10 AM. Three (3), 32 ounce samples were collected from the tank by Mr. Paul James, Environmental Scientist. Two (2) samples were retained for use by EPA and the other was a duplicate sample for Exide Technologies. The sampling event was complete at 10:12 AM. The Sampling Team packed the samples on ice and shipped them to the National Enforcement Investigations Center (NEIC) in Denver, Colorado for analysis.

On April 15, the Sampling Team returned to collect samples of the untreated slag and treated slag. Mr. Messer accompanied the Sampling Team to the sampling sites. The first site was untreated slag at the Slag Treatment Tank. The Team Leader, along with a recommendation from Mr. Messer, determined it would be best to allow Exide Technologies personnel to collect this sample. At 10:25 AM, Mr. Wendell Carlisle, Operator, collected seven (7), 32 ounce samples of crushed slag from the Slag Bin Feed Belt. The sampling was complete at 10:35 AM. Six (6) samples were retained for use by EPA and the other was a duplicate sample for Exide Technologies. The second sampling site was the landfill. The Team Leader, along with a recommendation from Mr. Messer, determined it would be best to allow Exide Technologies personnel to collect this sample. At 10:45 AM, Mr. Carlisle and Mr. Robert Romero, Operator, collected seven (7), 32 ounce samples of treated slag from the mixer truck. The sampling was complete at 11:00AM. Six (6) samples were retained for use by EPA and the other was a duplicate sample for Exide Technologies. The Sampling Team packed the samples on ice and shipped them to the National Enforcement Investigations Center (NEIC) in Denver, Colorado for analysis.

SUMMARY OF FINDINGS

The sample from the leachate tank was determined to contain antimony, arsenic, and vanadium. The sample from slag treatment tank contained barium, ***See Attachment 1***. Both of these streams are treated on-site by Exide Technologies.

_____

Jamal Lewis, Environmental Scientist
10/5/10

ATTACHMENTS

1. Laboratory Report (16 bound pages)
2. Photos (6 photos, 4 pages)

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF CRIMINAL ENFORCEMENT, FORENSICS AND TRAINING
NATIONAL ENFORCEMENT INVESTIGATIONS CENTER
P.O. BOX 25227, DENVER FEDERAL CENTER
DENVER, COLORADO 80225

August 25, 2010

MEMORANDUM

SUBJECT: Analytical Results
Exide Battery – Frisco, Texas
NEIC Project Number: VP0887

FROM: David Parker
NEIC Civil Enforcement Program Coordinator, NEIC

TO: Jamal Lewis
US EPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202

Enclosed with this memorandum is a report on the analysis of the samples from the Exide Battery investigation. Copies of the chain-of-custody records for the samples are included in Appendix A. If there are any questions regarding this report please contact the project manager, Theresa Morris. She can be reached via e-mail at morris.theresa@epa.gov or by phone at 303-462-9112.

Enclosures

cc: David Parker, Civil Enforcement Program Coordinator, NEIC
Diane Sipe, Laboratory Branch Chief, NEIC

United States Environmental Protection Agency
Office of Enforcement and Compliance Assurance
Office of Criminal Enforcement, Forensics and Training

ENFORCEMENT CONFIDENTIAL

NEICVP0887E01

LABORATORY REPORT

Exide Battery
Frisco, Texas
NEIC Project No.: VP0887

August 2010

Project Manager:

Theresa Morris
Theresa Morris

Prepared for:

Jamal Lewis
U.S. EPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202

Authorized for Release by:

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APPENDIX

A Chain-of-Custody Records (2 pages)

This Contents page shows all of the sections contained in this report and provides a clear indication of the end of this report.

EXECUTIVE SUMMARY

INTRODUCTION

The U.S. Environmental Protection Agency's (EPA) National Enforcement Investigations Center (NEIC) provided laboratory support to EPA's Region 6 Resource Conservation and Recovery Act (RCRA) Office for the Exide Battery investigation in Frisco, Texas. This report contains laboratory results for samples collected during the investigation. The samples were received from Jamal Lewis, RCRA Office, U.S. EPA Region 6 on April 2, 2010 and April 19, 2010. A copy of the chain-of-custody records is attached in **Appendix A**.

The NEIC laboratory in Denver, Colorado, was requested to analyze the samples taken during the Exide Battery investigation. Of specific interest were 13 of the elemental constituents listed in the Land Disposal Restrictions (LDR) Universal Treatment Standards – Nonwastewater (UTS – N) of the 40 Code of Federal Regulations (CFR) § 268.48. For the analysis, the samples were prepared using the Toxicity Characteristic Leaching Procedure (TCLP). NEIC chemists Theresa Morris and Cyndy Lemmon performed analyses for this project, and all analyses were conducted in accordance with the NEIC quality system in July and August 2010.

SUMMARY OF FINDINGS

- One sample (station 001, leachate tank) was determined to have three elemental constituents (antimony, arsenic, and vanadium) that exceed the UTS – N limits (antimony = 1.15 milligrams per liter [mg/L] TCLP; arsenic = 5.0 mg/L TCLP; and vanadium = 1.6 mg/L TCLP).
- One sample (station 1, slag treatment) was determined to have one elemental constituent (barium) that exceeds the UTS – N limit (barium = 21 mg/L TCLP). Although the average value for barium is above the UTS – N limit, three of the five extracts had values less than the UTS – N limit.

LABORATORY ACTIVITIES

SAMPLE RECEIPT

The NEIC laboratory received two ice chests containing 3 samples (13 containers) from the Exide Battery – Frisco, Texas, investigation. The samples arrived in two deliveries: April 2, 2010, and April 19, 2010. A copy of the chain-of-custody records is attached in **Appendix A**. Table 1 summarizes the delivery, receipt, and transfers associated with these samples. Both sample containers in the first delivery were intact and were maintained under custody. Six of eleven sample containers in the second delivery were broken. The samples were transferred to new sample containers and were maintained under custody. The samples were handled in accordance with the NEIC *Evidence Management Procedure*, NEICPROC/00-059R2.

Table 1. LABORATORY SAMPLE DELIVERY, RECEIPT, AND TRANSFER
Exide Battery
Frisco, Texas

Event	Date	Comment
First delivery of samples received at laboratory and stored	April 2, 2010	Transported to NEIC by UPS, tracking number 1Z A46 R22 01 9531 5947. The ice chest was stored in the receiving laboratory, room 1C-225, by Ben Burns.
First sample group inspected and logged in	April 5, 2010	Samples were unpacked and inspected by Theresa Morris. The samples remained under the custody of Theresa Morris.
Second delivery of samples received at laboratory and stored	April 19, 2010	Transported to NEIC by UPS, tracking number 1Z A46 R22 01 9842 2389. The ice chest was stored in the receiving laboratory, room 1C-225, by Theresa Morris.
Second sample group inspected and logged in	April 20, 2010	Samples were unpacked and inspected by Theresa Morris and Cyndy Lemmon. The samples remained under the custody of Theresa Morris.

MEASUREMENT OBJECTIVES

The measurement objectives were to determine the concentrations of 13 inorganic constituents listed in the LDR UTS – N of 40 CFR § 268.48 in the TCLP extracts of the samples.

SUMMARY OF ANALYTICAL PROCEDURES AND ANALYSTS

The laboratory procedures used to analyze the samples and the NEIC analysts performing the analyses are summarized in Table 2. NEIC staff performed the analyses in accordance with the NEIC quality system from April through August 2010.

Table 2. SUMMARY OF ANALYTICAL PROCEDURES AND ANALYSTS
Exide Battery
Frisco, Texas

Procedures	Analysts
NEICPROC/00-045R2, *Physical Description/Phase Separation*	Theresa Morris Cyndy Lemmon
NEICPROC/00-024R2, *Toxicity Characteristic Leaching Procedure (TCLP)* EPA SW-846 Method 1311, Toxicity Characteristic Leaching Procedure	Theresa Morris Cyndy Lemmon
NEICPROC/00-062R4, *Elemental Analyses* Appendix C of NEICPROC/00-062R4 (Inductively Coupled Plasma – Optical Emission Spectroscopy)	Theresa Morris
NEICPROC/00-062R4, *Elemental Analyses* Appendix D of NEICPROC/00-062R4 (Inductively Coupled Plasma – Mass Spectrometry)	Cyndy Lemmon

ANALYTICAL RESULTS

Method 1311 from EPA publication SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, was used to perform the required TCLP extractions. Five extracts were prepared from the samples for each station (station 001, station 1, and station 2), and the letters A, B, C, D, and E were used to distinguish the extracts. Several sample containers were broken during shipment, but each station had two intact containers. Therefore, for each station, three subsamples were taken from one container and two subsamples were taken from the second container. Station 001 was a liquid sample and, after appropriate filtration, became the TCLP extract. Stations 1 and 2 were both solid samples and were extracted according to Method 1311. The tag number used for each extract is given in the data tables. The TCLP extracts were analyzed for 13 inorganic constituents using inductively coupled plasma – optical emission spectroscopy (ICP-OES) for comparison to UTS – N limits. Each extract was analyzed in triplicate. Additionally, confirmational analysis was performed on one extract (A) from each sample set using inductively coupled plasma – mass spectrometry (ICP-MS). The preparation and analyses of the samples occurred from May through August, 2010. Although the average barium value in station 1 is above the UTS – N limit of 21 mg/L TCLP, three of the five extracts exhibited values less than 21 mg/L TCLP. These results indicate heterogeneity for the slag treatment designated as station 1. The mean results for the individual extracts are presented in

Tables 3 through 5. The mean results for each station are presented in Table 6. The final pH values of each extract are presented in Table 7.

DATA QUALITY SUMMARY

The estimated measurement uncertainty for the elemental results reported above the detection limits is given by the standard deviations of the averages of the extraction sets except for antimony in station 2. On the basis of the evaluation of all quality control data, the measurement uncertainty associated with this antimony result is estimated to be within 18 percent of the reported concentrations [$u = 31\%/\sqrt{3} = 17.9\%$]. This is a Type B evaluation of the standard uncertainty.

Table 3. TCLP EXTRACTS BY ICP-OES, INDIVIDUAL EXTRACTS, STATION 001 – LEACHATE TANK
Exide Battery
Frisco, Texas
(Standard deviations in parentheses)

Element	Extract A mg/L TCLP[1] Tag No. 6-304899	Extract B mg/L TCLP[1] Tag No. 6-304899	Extract C mg/L TCLP[1] Tag No. 6-304899	Extract D mg/L TCLP[1] Tag No. 6-304915	Extract E mg/L TCLP[1] Tag No. 6-304915	Detection Limit mg/L	UST – N mg/L TCLP Limit
Antimony	11.59 (0.47)	11.82 (0.25)	11.74 (0.41)	12.05 (0.37)	11.66 (0.26)	2	1.15
Arsenic	38.5 (1.4)	38.88 (0.82)	38.8 (1.2)	39.25 (0.83)	38.92 (0.85)	0.6	5.0
Barium	0.1815 (0.0067)	0.1681 (0.0049)	0.140 (0.012)	0.0870 (0.0054)	0.1608 (0.0035)	0.03	21
Beryllium	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.005	1.22
Cadmium	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.11
Chromium	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.08	0.60
Lead	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.5	0.75
Nickel	0.724 (0.021)	0.728 (0.015)	0.720 (0.024)	0.758 (0.021)	0.739 (0.015)	0.09	11
Selenium	1.42 (0.12)	1.484 (0.069)	1.44 (0.10)	1.476 (0.060)	1.44 (0.12)	0.3	5.7
Silver	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	0.07	0.14
Thallium	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2	0.20
Vanadium	2.708 (0.074)	2.748 (0.075)	2.720 (0.092)	2.776 (0.051)	2.740 (0.054)	0.03	1.6
Zinc	< 4	< 4	< 4	< 4	< 4	4	4.3

[1] Results are an average of three analyses.

Table 4. TCLP EXTRACTS BY ICP-OES, INDIVIDUAL EXTRACTS, STATION 1 – SLAG TREATMENT
Exide Battery
Frisco, Texas
(Standard deviations in parentheses)

Element	Extract A mg/L TCLP[1] Tag No. 6-304561	Extract B mg/L TCLP[1] Tag No. 6-304561	Extract C mg/L TCLP[1] Tag No. 6-304561	Extract D mg/L TCLP[1] Tag No. 6-304560	Extract E mg/L TCLP[1] Tag No. 6-304560	Detection Limit mg/L	UST – N, mg/L TCLP Limit
Antimony	0.060 (0.028)	0.074 (0.014)	0.085 (0.018)	0.314 (0.016)	0.2557 (0.0079)	0.05	1.15
Arsenic	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	5.0
Barium	34.74 (0.71)	65.57 (0.38)	17.175 (0.089)	9.88 (0.20)	14.5 (1.0)	0.2	21
Beryllium	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.004	1.22
Cadmium	< 0.0008	< 0.0008	< 0.0008	< 0.0008	< 0.0008	0.0008	0.11
Chromium	0.00323[2] (0.00054)	0.0081 (0.0010)	0.01690 (0.00012)	0.01053 (0.00048)	0.01039 (0.00033)	0.004	0.60
Lead	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	0.008	0.75
Nickel	< 0.003	< 0.003	< 0.003	< 0.003	< 0.003	0.003	11
Selenium	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	0.07	5.7
Silver	< 0.007	< 0.007	< 0.007	< 0.007	< 0.007	0.007	0.14
Thallium	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	0.08	0.20
Vanadium	0.0325 (0.0016)	0.0239 (0.0016)	0.0253 (0.0015)	0.0107 (0.0022)	0.0158 (0.0012)	0.005	1.6
Zinc	0.0744 (0.0016)	0.0700 (0.0015)	0.05567 (0.00083)	0.0503 (0.0016)	0.06496 (0.00095)	0.003	4.3

[1] Results are an average of three analyses.
[2] Although the result is less than the detection limit, it is included in the average of the five extracts to show the deviation of results between the extracts.

Table 5. TCLP EXTRACTS BY ICP-OES, INDIVIDUAL EXTRACTS, STATION 2 – MIXER TRUCK
Exide Battery
Frisco, Texas
(Standard deviations in parentheses)

Element	Extract A mg/L TCLP[1] Tag No. 6-304570	Extract B mg/L TCLP[1] Tag No. 6-304570	Extract C mg/L TCLP[1] Tag No. 6-3045770	Extract D mg/L TCLP[1] Tag No. 6-304566	Extract E mg/L TCLP[1] Tag No. 6-304566	Detection Limit mg/L	UST – N, mg/L TCLP Limit
Antimony	0.318 (0.012)	0.2766 (0.0035)	0.2427 (0.0022)	0.1885 (0.0032)	0.2689 (0.0045)	0.02	1.15
Arsenic	0.12802 (0.00073)	0.1002 (0.0068)	0.0975 (0.0048)	0.0867 (0.0025)	0.0880 (0.0039)	0.02	5.0
Barium	0.1446 (0.0021)	0.1674 (0.0015)	0.1862 (0.0014)	0.1420 (0.0019)	0.1864 (0.0021)	0.002	21
Beryllium	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	0.0003	1.22
Cadmium	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	0.002	0.11
Chromium	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.005	0.60
Lead	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	0.02	0.75
Nickel	0.00889 (0.00065)	0.00752 (0.00042)	0.0073 (0.0014)	0.00408 (0.00087)	0.00344[2] (0.00087)	0.004	11
Selenium	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	0.03	5.7
Silver	< 0.008	< 0.008	< 0.008	< 0.008	< 0.008	0.008	0.14
Thallium	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	0.04	0.20
Vanadium	0.02055 (0.00065)	0.0204 (0.0019)	0.0207 (0.0023)	0.01882 (0.00048)	0.0188 (0.0025)	0.006	1.6
Zinc	0.1441 (0.0012)	0.1355 (0.0011)	0.1339 (0.0011)	0.1287 (0.0025)	0.1305 (0.0010)	0.003	4.3

[1] Results are an average of three analyses.
[2] Although the result is less than the detection limit, it is included in the average of the five extracts to show the deviation of results between the extracts.

Table 6. TCLP EXTRACTS – INORGANIC CONSTITUENTS
Exide Battery
Frisco, Texas
(Concentrations in mg/L TCLP, standard deviations in parentheses)

Station Number	Tag Numbers	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Lead	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
001	6-304899 6-304915	**11.77** (0.18)	**38.86** (0.28)	0.147 (0.037)	<0.005	<0.02	<0.08	<0.05	0.734 (0.015)	1.452 (0.026)	<0.07	<0.2	**2.738** (0.026)	<4.0
1	6-304561 6-304560	<0.05	<0.1	**28** (23)	<0.004	<0.0008	0.0098 (0.0049)	<0.008	<0.003	0.15 (0.12)	<0.007	<0.08	0.0216 (0.0085)	0.063 (0.010)
2	6-304566 6-304570	0.259 (0.048)	0.100 (0.017)	0.165 (0.022)	<0.0003	<0.002	<0.005	<0.02	0.0062 (0.0024)	<0.03	<0.008	<0.04	0.01985 (0.00095)	0.135 (0.006)
Universal Treatment Standard[1]		1.15	5.0	21	1.22	0.11	0.60	0.75	11	5.7	0.14	0.20	1.6	4.3

[1] Nonwastewater Universal Treatment Standard (40 CFR § 268.48).

Table 7. TCLP ANALYSIS – FINAL EXTRACTION pH
Exide Battery
Frisco, Texas

Station Number, Extract ID	Tag Number	Station Location	Final Extraction pH
001, A	6-304899	Leachate Tank	12.49
001, B	6-304899	Leachate Tank	12.50
001, C	6-304899	Leachate Tank	12.50
001, D	6-304915	Leachate Tank	12.50
001, E	6-304915	Leachate Tank	12.51
1, A	6-304561	Slag Treatment	6.70
1, B	6-304561	Slag Treatment	6.85
1, C	6-304561	Slag Treatment	6.91
1, D	6-304560	Slag Treatment	7.46
1, E	6-304560	Slag Treatment	7.48
2, A	6-304570	Mixer Truck	10.71
2, B	6-304570	Mixer Truck	10.79
2, C	6-304570	Mixer Truck	10.75
2, D	6-304566	Mixer Truck	10.93
2, E	6-304566	Mixer Truck	10.91
Extraction Blank 1			2.94
Filtration Blank 2			7.19

APPENDIX A

CHAIN-OF-CUSTODY RECORDS
(2 pages)

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	TCLP METALS + MERCURY	REMARKS
	EXIDE SAMPLING			

SAMPLERS: (Signature) Jamall Lewis FOR PAUL JAMES

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TCLP METALS + MERCURY						REMARKS
001	4/1/10	10:10A		✓	LEACHATE TANK	2-32oz	X	X					TAG #'S 6-304899, 6-304915

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Jamall Lewis	1 APR 10 3:00p	UPS			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Theresa Morris	Date / Time 04/05/10 0950	Remarks VP0887	
Shipped by: UPS		Airbill Number: CO 8029-20 17 A46 R22 01 9531 5947			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files; Green to Report; Yellow Returns with Warrant

EPA 7500-53 (1-80)

NEUVP0887E01

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Exide Battery
Frisco, Texas

ENVIRONMENTAL PROTECTION AGENCY

OFFICIAL

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME: EXIDE SLAG SAMPLING					NO. OF CONTAINERS	TCLP METALS	REMARKS
SAMPLERS: (Signature)								
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION			
1	4/15/10	1035A		✓	SLAG TREATMENT	6	X	
2	4/15/10	1045A		✓	MIXER TRUCK	5	X	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	4/15/10 1505				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
			JM	4/20/10	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]	Date / Time: 04/20/10 1021	Remarks: b 5 of 11 jars broken. See list of tag #s in Lab notebook b JM 4/20/10 VP0887	
Shipped by: UPS		Airbill Number: 12 A46 R22 01 9842 2389			

Distribution: White Accompanies Shipment; Pink to Coordinator Field Files;
Green to Report; Yellow Returns with Warrant

EPA 7500-53
(1) NEGA/P0887E01

Appendix A
Page 2 of 2

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Exide Battery
Frisco, Texas

Exide Technologies

TXD006451090
April 1 and 15, 2010
6 photos by:
Jamal Lewis (unless otherwise noted)



Photo 1: Leachate Sample Collection Point – Leachate Tank *(photo taken by Paul James)*



Photo 2: Three (3), 32 ounce sample containers filled with leachate. *(photo taken by Paul James)*

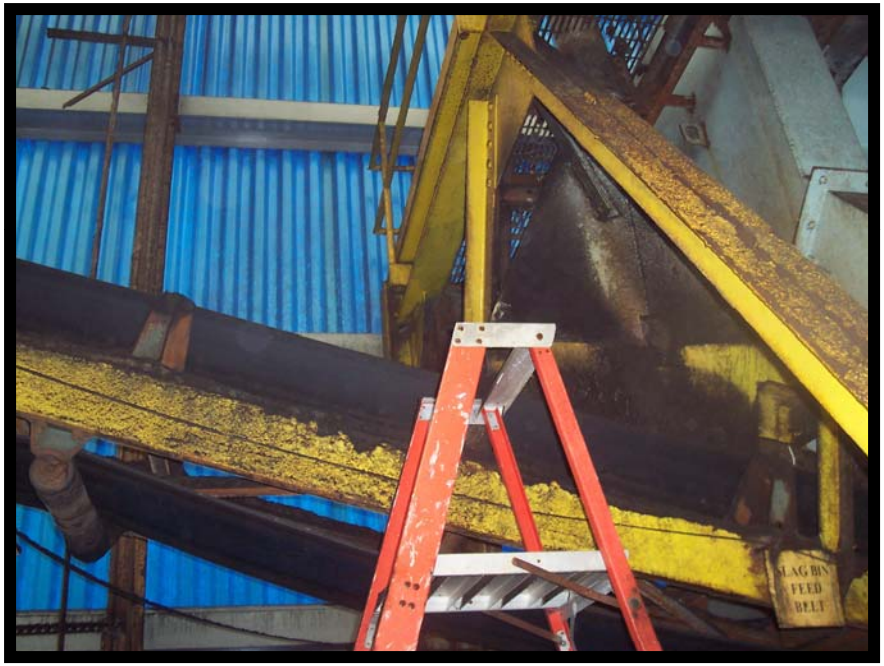


Photo 3: Untreated Slag Sample Collection Point - Slag feed belt from slag crusher.



Photo 4: Seven (7), 32 ounce sample containers filled with crushed, untreated slag.



Photo 5: Treated Slag Sample Collection Point – Slag mixer truck.



Photo 6: Seven (7), 32 ounce sample containers filled with treated slag.