ALTA ENVIRONMENTAL

To: Amanda Cruz, United States Environmental Protection Agency (USEPA)

From: Eric Fraske, Alta Environmental/NV5

CC: Peter Ruttan and Poonam Acharya, California Department of Toxic Substances Control (DTSC)

Date: December 1, 2020 *(Revised – May 4, 2021)*

Subject: Revised Technical Memorandum #1: Interim Measures Immediate Response Actions

BACKGROUND

On July 3, 2020, the Department of Toxic Substances Control (DTSC) issued a Notification of Requirement to Perform Interim Measures (Notification) at Exide Technologies (Exide), in response to the findings of analyses of dust samples collected by DTSC in November 2019. The notification is attached for reference. The dust samples were from various surfaces at seven (7) locations (See Figure 1) throughout the former Exide facility located at 2700 S. Indiana Street in Vernon, California (Site).[1] Laboratory analysis of the collected dust samples identified concentrations of lead ranging from 10,500 milligrams per kilogram (mg/kg) to 48,800 mg/kg. These concentrations are above the State of California Commercial/Industrial health screening concentration for lead in soil, which is 320 mg/kg. The Notification indicated that the detected concentrations of lead represented an identifiable, immediate, and potential threat to human health through inhalation and/or dermal contact by on-site workers at the Site, and also a potential threat to human health and the surrounding environment due to off-site migration if the dust was not removed prior to any future man-made or natural disturbances at the Site. The Notification ordered Exide to mitigate these threats. Following Exide's 2020 bankruptcy, Site operations and management were transferred to the Vernon Environmental Response Trust (VERT) on October 26, 2020.

MITIGATION STRATEGY

In order to mitigate the long-term risk associated with the dust located within the structures at the Site, the VERT initially proposed to decontaminate and/or deconstruct all Site non-interim status (Non-IS) buildings down to slab grade, thus eliminating the potential risk to Site workers and the community. Interim Status (IS) buildings are currently being decontaminated and deconstructed as part of ongoing closure activities.

[1] On the July 3, 2020 Notification Figure 1, sample DTSC-05-DS-ON was depicted to be collected within the Central Container Storage Area. The sample was actually collected within the South Yard Water Softener Building, as is stated in the Notification text. The corrected sample location is depicted on the annotated Figure 1 of the attached Notification.

In January and February 2021, the VERT met with the South Coast Air Quality Management District (SCAQMD) to discuss Title V permit compliance requirements with respect to the proposed Non-IS building decontamination and deconstruction activities. The SCAQMD indicated to the VERT that negative air temporary enclosures would be required at the individual buildings before the start of any decontamination or deconstruction activities, including interior debris removal.

As the VERT lacks sufficient funding to allow for the construction of temporary negative air enclosures at these building locations, the proposed decontamination and deconstruction of the non-IS buildings was cancelled. After consultation with the VERT's beneficiaries, the DTSC and USEPA, it was decided that the non-IS buildings would instead be closed and sealed to limit future access and the potential for fugitive dust emissions.

The closure and sealing of these structures will be performed by American Integrated Services (AIS), a licensed environmental remediation contractor. Details regarding the specific scope of closure and sealing activities at each of the seven Non-IS structures are presented in the following table and attached Approved AIS Change Order Request 011.

While not previously sampled during the November 2019 sampling event, one other non-IS building (the electrician shop) will also be closed and secured similar to the seven locations identified in the Notification. The following structures also not sampled during the November 2019 sampling event are undergoing the actions described below:

1. Interim Status (IS) buildings are currently being decontaminated and deconstructed as part of ongoing closure activities.

2. The Truck Wash (Unit 87), which is an interim status unit, will be decontaminated as part of closure activities. The BESS building was partially decontaminated and deconstructed as part of closure activities. The remaining portion of the BESS building has been walled off and door closed to restrict future access.

3. The Finished Lead Warehouse was previously decontaminated, and openings sealed closed as part of ongoing closure activities.

4. The interior of the North Yard Guard Shack was previously decontaminated during closure activities for use as a breakroom and restroom by Site contractors.

There are building or parts of buildings that are not being addressed at this time. These buildings or parts of buildings are described below:

1. The first and second floors of the employee services building have been continually cleaned and utilized throughout site closure as employee shower and cafeteria areas.

2. Access to the second floor of the Engineering building is restricted, but the first floor of the building continues to be cleaned and utilized by security, janitorial, resident engineer, and regulatory agency (SCAQMD and DTSC) staff.

The VERT confirmed with AIS that they are adhering to their approved Health and Safety Plan, including the policies and practices regarding PPE usage and monitoring. AIS confirmed that they do not have any health and safety concerns to address at this time. Furthermore, AIS's CIH visits the site once a week to review and monitor Site Health and Safety compliance with AIS personnel. AIS's Director of Health and Safety also visits the site regularly to ensure compliance with the health and safety requirements.

IMMEDIATE MITIGATION ACTIONS

The following mitigation methods will be employed at each location listed below. All of the locations mentioned in the Notification are addressed.

Location/Building and Current Use	Mitigation Measure
1: Blue Lead Warehouse Interior No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site for recycling and disposal in May 2020.	• Broken/Missing Windows/Entrance Doorways with Missing Doors will be sealed with plywood. Open windows and doorways will be closed and locked. • Access door will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer. •
2: Machine Shop Interior No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.	• Broken/Missing Windows/Doorways will be sealed with plywood. Open windows and doorways will be closed and locked. • Access door will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.
3: Mobile Maintenance Building Interior No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.	• Broken/Missing Windows/Doorways will be sealed with plywood. Open windows and doorways will be closed locked. • Access Restriction – Access doors will remain locked and demarcated with red danger tape and warning signage. • Complete fencing along western side of garage to limit access • The chain link gate at the northern entrance to this area will be locked closed. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.

Location/Building and Current Use	Mitigation Measure
4: South Yard Water Softener Building Active electrical panels are located within structure but are only accessed by AIS staff on a limited as-needed basis only.	• Broken/Missing Windows/Doorways will be sealed with plywood. Open windows and doorways will be closed and locked. • Access door will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.
5: South Yard Employee Services Building Basement No Longer in Use. Access is restricted by locked door.	• Access door to basement will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access to basement will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.
6: South Yard Material Storage Building Used for bulk storage of wastewater treatment plant chemicals. Limited access by AIS staff on as-needed basis only.	• Broken/Missing Windows/Doorways will be sealed with plywood. Open windows and doorways will be closed and locked. Gates at building entrance will be closed and locked when access is not required. • Access Restriction – Red danger tape and warning signage will be placed at building entrance. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.
7: Engineering Building Basement No Longer in Use. Access is restricted by locked door.	• Access door to basement will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.
Electrician Shop No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.	• Broken/Missing Windows/Doorways will be sealed with plywood. Open windows and doorways will be closed. • Access door will remain locked and demarcated with red danger tape and warning signage. • PPE Requirement – Permitted access will require the use of respiratory protection and other PPE deemed appropriate by Contractor's Health and Safety Officer.

Notes:

1) Keys to locked building entrances will be retained by the Site Security Staff and stored in the Indiana Street Guard Shack.
2) Electrical and water utility service to the buildings no longer in use (Electrician Shop, Mobile Maintenance Building, Machine Shop, and Blue Lead Warehouse) have been terminated.
3) Wall openings along the roof line of the South Yard Material Storage Building will remain unsealed to avoid obstructing the roof gutter system.

PERMITS AND NOTIFICATIONS

No permits or regulatory agency notifications are required for this scope of work.

HEALTH AND SAFETY

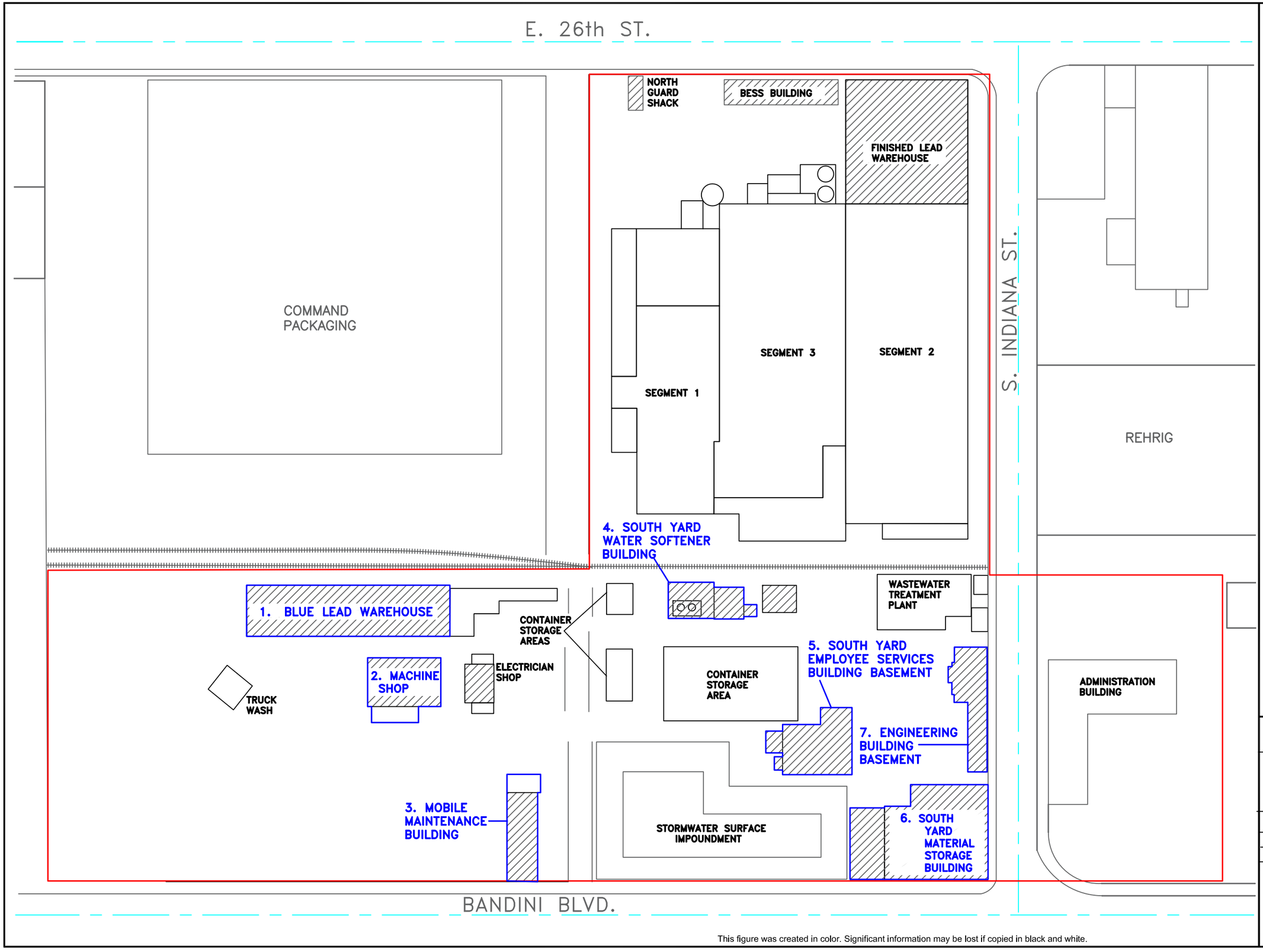
The work presented in this work plan will be performed in accordance with the AIS Site health and safety plan. This plan was recently updated to include applicable COVID-19 protocols.

SCHEDULE AND DOCUMENTATION OF COMPLETION

In accordance with the DTSC and USEPA approving Change Order Request 011, the VERT has directed AIS to commence with the described building sealing scope of work. The Resident Engineer will document completion of these mitigation actions and submit a report to US EPA and DTSC upon completion. The scope of work is anticipated to be completed by early May 2021.

Attachments:

Figure 1 – Site Plan
Attachment 1: Notification of Requirement to Perform Interim Measures, Exide Technologies, LLC, Vernon, California, EPA ID. NO. CADO97854541. Issued by DTSC. Dated July 3, 2020.
Change Order Request 011 – Non-Regulated Building Sealing



LEGEND:

- Site Boundary
- Interim Measure Order Action Buildings
- Non-ISD Building

Approximate Scale: (Feet)

0 50 100 200

FIGURE 1: SITE PLAN

SITE:
Former Exide Facility
2700 South Indian Street
Vernon, California

PROJ. NO.: VERT-20-9944

DRAWN: BP	APPROVED: EF
APPX. SCALE: 1" = 100'	DATE: Nov. 2020

NV5 ALTA ENVIRONMENTAL
3777 Long Beach Blvd. Annex Bldg. Long Beach CA 90807
P: (562) 495-5777 ♦ F: (562) 495-5877 ♦ altaenviron.com

This figure was created in color. Significant information may be lost if copied in black and white.

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Director
8800 Cal Center Drive
Sacramento, California 95826-3200

Gavin Newsom
Governor

July 3, 2020

Ms. Grace Yeh
Exide Technologies
2700 S. Indiana Street
Vernon, CA 90058

NOTIFICATION OF REQUIREMENT TO PERFORM INTERIM MEASURES, EXIDE TECHNOLOGIES, LLC, VERNON, CALIFORNIA, EPA ID. NO. CAD097854541

Dear Ms. Yeh:

The Department of Toxic Substances Control (DTSC) has determined that there is an identifiable, immediate, and potential threat to human health and the environment from accumulated dust at various locations throughout the Exide Technologies, LLC (Exide) facility located at 2700 South Indiana Street in Vernon. On November 21, 2019, DTSC sampled dust on various surfaces (shelves, counters, floors, windowpanes, stored equipment, and girders) at seven locations at the Exide Facility. Samples were collected within and near several buildings located on the South and West Yards; the sample locations are shown on the attached Figure 1. DTSC received the sample results on April 21, 2020. Sample information and laboratory results are presented on Tables 1 and 2, also attached.

Lead concentrations in the dust samples collected ranged from 10,500 milligrams per kilogram (mg/kg) to 48,800 mg/kg, which is well above the Industrial California Human Health Screening Level (CHHSL) of 320 mg/kg for lead. Other metals, including arsenic, barium, cadmium, and chromium, also were detected above Industrial CHHSLs. The results of this sampling are confirmation that an identifiable, immediate, and potential threat to human health through inhalation and/or dermal contact exists, representing a danger to on-site workers at the facility. A potential for off-site migration threatening human health and the surrounding environment exists if the contaminated dust is not removed prior to any future man-made or natural disturbances affecting the Exide facility. Hence, DTSC hereby notifies Exide of its obligation to perform interim measures to mitigate this threat, as required by the 2002 Corrective Action Consent Order (P3-01/02-010) (CACO).

Exide is required to submit an Interim Measures Work Plan (Work Plan) within 30 days from the date of this notification for DTSC approval. (CACO, § 5.4.) The Work Plan must be prepared consistent with Attachment 3 of the CACO. (See, CACO § 5.0.)

Should you have any questions regarding this letter, please contact me at 916-255-3777 or Peter.Ruttan@dtsc.ca.gov. Questions from Exide's legal counsel must be directed to DTSC's legal counsel, Senior Staff Counsel Peter Thyberg. Mr. Thyberg can be reached at (916) 255-3246, or Peter.Thyberg@dtsc.ca.gov.

Sincerely,

Peter Ruttan, P.G.
Senior Engineering Geologist, Supervisor
Exide-Corrective Action/Data Management

Attachments:
Figure 1: Sample and Site Location Map
Table 1: On-Site Sample Information
Table 2: On-Site Sample Results
Laboratory Report

cc:(via e-mail)

Keith Scott, Exide
Jully Sieglaff, Exide
Lacey Chitwood, Exide
Melissa Floyd, Exide
Tom Goslin, Weil, Gotshal & Manges
Judith Praitis, Sidley Austin

Grant Cope, DTSC
Su Patel, DTSC
Matt Wetter, DTSC
Dan Gamon, DTSC
Kevin Shipp, DTSC
Peter Thyberg, DTSC
Shukla Roy-Semmen, DTSC
Todd Wallbom, DTSC
Dennis Ragen, AGO
Margarita Padilla, AGO
Anthony Austin, AGO
Heather Leslie, AGO

Figure 1: Sample and Site Location Map

Table 1: On-Site Sample Information

Sample Date	Sample ID	Location Description	Sample Type
11/21/2019	DTSC-01-DS-ON	Blue Lead Warehouse West Yard	dust
11/21/2019	DTSC-03-DS-ON	Machine Shop Interior West Yard	dust
11/21/2019	DTSC-04-DS-ON	Mobile Maintenance Bldg.	dust
11/21/2019	DTSC-05-DS-ON	South Yard Water Softener Bldg.	dust
11/21/2019	DTSC-06-DS-ON	South Yard Employee Services Bldg. Basement	dust
11/21/2019	DTSC-07-DS-ON	South Yard Material Storage Bldg.	dust
11/21/2019	DTSC-09-DS-ON	Engineering Bldg. Basement	dust

Table 2: On-Site Sample Results Summary

ECL No.	BD01261-A			BD01262-A			BD01263-A			BD01264-A			BD01265-A			Method Blank		Reporting Limit
Collector's No.	**DTSC-01-DS-ON**			**DTSC-03-DS-ON**			**DTSC-04-DS-ON**			**DTSC-05-DS-ON**			**DTSC-06-DS-ON**					
Digestion Date	3/5/2020			3/5/2020			3/5/2020			3/5/2020			3/5/2020			3/5/2020		
Analysis Date	3/11/2020			3/11/2020			3/11/2020			3/11/2020			3/11/2020			3/11/2020		
Matrix Type	Dust			Dust			Dust			Dust			Dust			Sand		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	Q	
Antimony-Sb	448	250		830	500		142	50		238	250		550	500		ND		0.2
Arsenic-As	120	50		239	100		38	50		72	50		115	100		ND		0.2
Barium-Ba	308	50		471	100		421	50		315	50		356	100		ND		0.2
Beryllium-Be	ND	50		ND	100		ND	50		ND	50		ND	100		ND		0.04
Cadmium-Cd	43	50		94	100		16	50		127	50		25	100		ND		0.2
Chromium-Cr	150	50		1,200	100		79	50		132	50		199	100		ND		0.2
Cobalt-Co	38	50		46	100		15	50		30	50		ND	100		ND		0.2
Copper-Cu	1,045	50		1,090	100		436	50		525	50		519	100		ND		0.2
Lead-Pb	19,600	1,000		38,000	2,000		10,500	1,000		14,100	1,000		37,400	2,000		ND		0.2
Molybdenum-Mo	57	50		132	100		17	50		85	50		ND	100		ND		0.2
Nickel-Ni	288	50		1,140	100		73	50		102	50		124	100		ND		0.2
Selenium-Se	ND	50		ND	100		ND	50		ND	50		ND	100		ND		0.2
Silver-Ag	ND	50		ND	100		ND	50		ND	50		ND	100		ND		0.2
Thallium-Tl	ND	50		ND	100		ND	50		ND	50		ND	100		ND		0.2
Vanadium-V	26	50		37	100		35	50		18	50		25	100		ND		0.2
Zinc-Zn	29,800	1,000		8,450	500		7,700	250		32,100	1,000		5,600	500		ND		0.2

Table 2: Sample Results Summary

ECL No.	BD01266-A			BD01267-A						Reporting Limit
Collector's No.	**DTSC-07-DS-ON**			**DTSC-09-DS-ON**						
Digestion Date	3/5/2020			3/5/2020						
Analysis Date	3/11/2020			3/11/2020						
Matrix Type	Dust			Dust						
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	
Antimony-Sb	550	500		1,750	500					0.2
Arsenic-As	151	100		314	100					0.2
Barium-Ba	569	100		310	100					0.2
Beryllium-Be	ND	100		ND	100					0.04
Cadmium-Cd	30	100		68	100					0.2
Chromium-Cr	129	100		110	100					0.2
Cobalt-Co	27	100		ND	100					0.2
Copper-Cu	462	100		661	100					0.2
Lead-Pb	30,000	2,000		48,800	2,000					0.2
Molybdenum-Mo	ND	100		ND	100					0.2
Nickel-Ni	134	100		123	100					0.2
Selenium-Se	ND	100		ND	100					0.2
Silver-Ag	ND	100		39	100					0.2
Thallium-Tl	ND	100		ND	100					0.2
Vanadium-V	24	100		31	100					0.2
Zinc-Zn	7,700	500		5,350	500					0.2

Laboratory Report:

California Environmental Protection Agency
Department of Toxic Substances Control
Environmental Chemistry Laboratory
757 S. Raymond Ave., Suite 105, Pasadena, CA 91105
Telephone: (626) 304-7801

Authorization No.: 19SC0064-S
ECL No(s).: BD01261-BD01267

Requestor's Name: Dan Gamon
Address: 8800 Cal Center Drive, Sacramento, CA 95826-3200

Sampling Location: Exide Technologies
Address: 2700 South Indiana Street, Vernon, CA 90058

Table of Contents

The results listed within this report pertain only to the samples tested in the laboratory. These results have been reviewed for technical correctness and completeness. This report was reviewed and approved for release.

Report Reviewed by:
Mario Vinoya
Research Scientist II

3/17/2020
Date

Report Approved by:
Scott Giatpaiboon
Research Scientist II

04/16/2020
Date

Authorization No.: 19SC0064-S
ECL No(s).: BD01261-BD01267

Sample(s) History:

Turn-Around Time (TAT):	Priority 3 (45 Days)		
Date(s) Collected:	11/21/2019		
Date(s) Received:	11/22/2019		
Date(s) Extracted/Digested:	3/5/2020	Test Method:	04.3050.00
Date(s) Analyzed:	3/11/2020	Test Method:	04.6010.00

Case Narrative:

1. Initial calibration and continuing calibration criteria were met?	☑ Yes	☐ No
2. Initial and Continuing Calibration blank criteria were met?	☑ Yes	☐ No
3. QC parameters were within control limits?	☐ Yes	☑ No
4. Sample holding time was met?	☑ Yes	☐ No

Comments:

If any of the above answer is "NO" please explain in detail.

[3] MS and/or MSD recoveries for antimony (Sb), barium (Ba), lead (Pb), and zinc (Zn) in sample BD01266-A were outside of the control limits. However, dilution test results for antimony (Sb), barium (Ba), and zinc (Zn) were within the control limits. Post Spike result for lead (Pb) was within the control limit.

Sample Prepared by:

Hae Lee for — 4/17/2020
Hae Lee — Date
Research Scientist I

Sample Analyzed by:

Hae Lee for — 4/17/2020
Hae Lee — Date
Research Scientist I

Acronym Definitions

µg/kg	Micrograms per kilogram; parts per billion (ppb)
µg/L	Micrograms per liter; parts per billion (ppb)
D_f	Dilution Factor
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
mg/kg	Milligrams per kilogram; parts per million (ppm)
mg/L	Milligrams per liter; parts per million (ppm)
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not Detected; value at a level below the quantitation limit
PS	Post Spike
Q	Qualifier Flag
QC	Quality Control
QL	Quantitation Limit = Reporting Limit x Dilution Factor
RPD	Relative Percent Difference
RT	Retention Time
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbon
TTLC	Total Threshold Limit Concentration
WET	Waste Extraction Test

Qualifier Definitions

B	Analyte found in MB
J	Estimated value
M	Spike recovery below control limit
M2	Spike recovery above control limit
NC	Not Calculated
P	Post Spike recovery below control limit
P2	Post Spike recovery above control limit
R	Relative Percent Difference (RPD) exceeded control limits

Authorization No.: 19SC0064-S
ECL No(s).: BD01261-BD01267

ECL No.	BD01261-A			BD01262-A			BD01263-A			BD01264-A			BD01265-A			Method Blank		Reporting Limit
Collector's No.	DTSC-01-DS-ON			DTSC-03-DS-ON			DTSC-04-DS-ON			DTSC-05-DS-ON			DTSC-06-DS-ON					
Digestion Date	3/5/2020			3/5/2020			3/5/2020			3/5/2020			3/5/2020			3/5/2020		
Analysis Date	3/11/2020			3/11/2020			3/11/2020			3/11/2020			3/11/2020			3/11/2020		
Matrix Type	Dust			Dust			Dust			Dust			Dust			Sand		
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	Q	
Antimony-Sb	448	250		830	500		142	50.0		238	250		550	500		ND		0.2
Arsenic-As	120	50.0		239	100		38.2	50.0		72.0	50.0		115	100		ND		0.2
Barium-Ba	308	50.0		471	100		421	50.0		315	50.0		356	100		ND		0.2
Beryllium-Be	ND	50.0		ND	100		ND	50.0		ND	50.0		ND	100		ND		0.04
Cadmium-Cd	43.0	50.0		93.7	100		15.8	50.0		127	50.0		25.4	100		ND		0.2
Chromium-Cr	150	50.0		1.20E+03	100		78.5	50.0		132	50.0		199	100		ND		0.2
Cobalt-Co	37.8	50.0		46.3	100		15.3	50.0		30.4	50.0		ND	100		ND		0.2
Copper-Cu	1.05E+03	50.0		1.09E+03	100		436	50.0		525	50.0		519	100		ND		0.2
Lead-Pb	1.96E+04	1000		3.80E+04	2000		1.05E+04	1000		1.41E+04	1000		3.74E+04	2000		ND		0.2
Molybdenum-Mo	56.5	50.0		132	100		16.8	50.0		84.5	50.0		ND	100		ND		0.2
Nickel-Ni	288	50.0		1.14E+03	100		73.0	50.0		102	50.0		124	100		ND		0.2
Selenium-Se	ND	50.0		ND	100		ND	50.0		ND	50.0		ND	100		ND		0.2
Silver-Ag	ND	50.0		ND	100		ND	50.0		ND	50.0		ND	100		ND		0.2
Thallium-Tl	ND	50.0		ND	100		ND	50.0		ND	50.0		ND	100		ND		0.2
Vanadium-V	26.1	50.0		36.6	100		34.6	50.0		18.4	50.0		25.3	100		ND		0.2
Zinc-Zn	2.98E+04	1000		8.45E+03	500		7.70E+03	250		3.21E+04	1000		5.60E+03	500		ND		0.2

Authorization No.: 19SC0064-S
ECL No(s).: BD01261-BD01267

ECL No.	BD01266-A			BD01267-A															Reporting Limit
Collector's No.	DTSC-07-DS-ON			DTSC-09-DS-ON															
Digestion Date	3/5/2020			3/5/2020															
Analysis Date	3/11/2020			3/11/2020															
Matrix Type	Dust			Dust															
Units (mg/kg)	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	Amount	D_f	Q	
Antimony-Sb	550	500		1.75E+03	500														0.2
Arsenic-As	151	100		314	100														0.2
Barium-Ba	569	100		310	100														0.2
Beryllium-Be	ND	100		ND	100														0.04
Cadmium-Cd	29.9	100		68.1	100														0.2
Chromium-Cr	129	100		110	100														0.2
Cobalt-Co	26.5	100		ND	100														0.2
Copper-Cu	462	100		661	100														0.2
Lead-Pb	3.00E+04	2000		4.88E+04	2000														0.2
Molybdenum-Mo	ND	100		ND	100														0.2
Nickel-Ni	134	100		123	100														0.2
Selenium-Se	ND	100		ND	100														0.2
Silver-Ag	ND	100		39.3	100														0.2
Thallium-Tl	ND	100		ND	100														0.2
Vanadium-V	24.3	100		31.1	100														0.2
Zinc-Zn	7.70E+03	500		5.35E+03	500														0.2

Authorization No.: 19SC0064-S
ECL No(s).: BD01261-BD01267

Quality Control Parameter	**Laboratory Control Sample (LCS)**											
Digestion Date	3/5/2020											
Analysis Date	3/11/2020											
Matrix Type	Sand											
	LCS				LCS Duplicate				RPD		Control Limits	
	Spike Added	Amount Recovered	Recovery		Spike Added	Amount Recovered	Recovery				Recovery	RPD
Units (mg/kg)			%	Q			%	Q	%	Q	%	%
Antimony-Sb	150	148	98.3		150	147	98.0		0.3		80-120%	0-20
Arsenic-As	1000	960	96.0		1000	965	96.5		0.5		80-120%	0-20
Barium-Ba	1000	1.01E+03	101		1000	1.01E+03	101		0.5		80-120%	0-20
Beryllium-Be	200	199	99.5		200	200	99.8		0.3		80-120%	0-20
Cadmium-Cd	1000	985	98.5		1000	985	98.5		0.0		80-120%	0-20
Chromium-Cr	1000	1.01E+03	101		1000	1.02E+03	102		0.5		80-120%	0-20
Cobalt-Co	1000	1.04E+03	104		1000	1.05E+03	105		0.5		80-120%	0-20
Copper-Cu	1000	990	99.0		1000	990	99.0		0.0		80-120%	0-20
Lead-Pb	1000	1.02E+03	102		1000	1.03E+03	103		0.5		80-120%	0-20
Molybdenum-Mo	1000	1.02E+03	102		1000	1.02E+03	102		0.5		80-120%	0-20
Nickel-Ni	1000	1.05E+03	105		1000	1.05E+03	105		0.5		80-120%	0-20
Selenium-Se	1000	980	98.0		1000	980	98.0		0.0		80-120%	0-20
Silver-Ag	150	147	98.0		150	148	98.3		0.3		80-120%	0-20
Thallium-Tl	1000	995	99.5		1000	995	99.5		0.0		80-120%	0-20
Vanadium-V	1000	1.00E+03	100		1000	1.00E+03	100		0.0		80-120%	0-20
Zinc-Zn	1000	1.00E+03	100		1000	1.00E+03	100		0.0		80-120%	0-20

Quality Control Parameter	**Sample Duplicate Analysis**						
Digestion Date	3/5/2020						
Analysis Date	3/11/2020						
Matrix Type	Dust						
ECL No.	BD01267-A		Duplicate		RPD		Control Limits
Units (mg/kg)	Amount	D_f	Amount	D_f	%	Q	%
Antimony-Sb	1.75E+03	500	1.88E+03	500	6.9		0-20
Arsenic-As	314	100	346	100	9.7		0-20
Barium-Ba	310	100	299	100	3.6		0-20
Beryllium-Be	ND	100	ND	100	-	NC	0-20
Cadmium-Cd	68.1	100	66.2	100	2.8		0-20
Chromium-Cr	110	100	92.4	100	17.4		0-20
Cobalt-Co	ND	100	ND	100	-	NC	0-20
Copper-Cu	661	100	634	100	4.2		0-20
Lead-Pb	4.88E+04	2000	5.96E+04	2000	19.9		0-20
Molybdenum-Mo	ND	100	ND	100	-	NC	0-20
Nickel-Ni	123	100	118	100	4.1		0-20
Selenium-Se	ND	100	ND	100	-	NC	0-20
Silver-Ag	39.3	100	ND	100	-	NC	0-20
Thallium-Tl	ND	100	ND	100	-	NC	0-20
Vanadium-V	31.1	100	28.9	100	7.3		0-20
Zinc-Zn	5.35E+03	500	5.10E+03	500	4.8		0-20

Quality Control Parameter	Matrix Spike/Matrix Spike Duplicate (MS/MSD)														
Digestion Date	3/5/2020														
Analysis Date	3/11/2020														
Matrix Type	Dust														
		Matrix Spike (MS)					Matrix Spike Duplicate (MSD)					RPD		Control Limits	
ECL No.	BD01266-A	Spike Added	Amount Recovered	Recovery			Spike Added	Amount Recovered	Recovery					Recovery	RPD
Units (mg/kg)	Amount			%	D_f	Q			%	D_f	Q	%	Q	%	%
Antimony-Sb	550	150	800	167	500	M2	150	720	113	500		38.1	R	75-125	0-20
Arsenic-As	151	1000	1.07E+03	91.9	100		1000	1.03E+03	87.9	100		4.4		75-125	0-20
Barium-Ba	569	1000	1.18E+03	61.1	100	M	1000	1.12E+03	55.1	100	M	10.3		75-125	0-20
Beryllium-Be	ND	200	188	94.0	100		200	183	91.5	100		2.7		75-125	0-20
Cadmium-Cd	29.9	1000	989	95.9	100		1000	957	92.7	100		3.4		75-125	0-20
Chromium-Cr	129	1000	1.05E+03	92.1	100		1000	1.03E+03	90.1	100		2.2		75-125	0-20
Cobalt-Co	26.5	1000	972	94.6	100		1000	937	91.1	100		3.8		75-125	0-20
Copper-Cu	462	1000	1.48E+03	101.8	100		1000	1.43E+03	96.8	100		5.0		75-125	0-20
Lead-Pb	3.00E+04	1000	2.88E+04	-120	2000	M	1000	2.96E+04	-40.0	2000	M	100	R	75-125	0-20
Molybdenum-Mo	ND	1000	966	97.5	100		1000	945	94.5	100		3.1		75-125	0-20
Nickel-Ni	134	1000	1.08E+03	93.6	100		1000	958	89.6	100		4.4		75-125	0-20
Selenium-Se	ND	1000	866	94.6	100		1000	1.08E+03	91.8	100		3.0		75-125	0-20
Silver-Ag	ND	150	ND	98.0	100		150	884	96.0	100		2.1		75-125	0-20
Thallium-Tl	ND	1000	900	88.6	100		1000	ND	85.7	100		3.3		75-125	0-20
Vanadium-V	24.3	1000	954	97.0	100		1000	902	93.8	100		3.4		75-125	0-20
Zinc-Zn	7.70E+03	1000	8.48E+03	85.0	500		1000	944	60.0	500	M	34.5	R	75-125	0-20

Quality Control Parameter	**Dilution Test (D_f = 5)**				
Digestion Date	3/5/2020				
Analysis Date	3/11/2020				
Matrix Type	Dust				
ECL No.	BD01266-A	Diluted	RPD		Control Limits
Units (mg/kg)	Amount	Amount	%	Q	%
Antimony-Sb	550	575	4.4		0-20
Arsenic-As					0-20
Barium-Ba	580	603	3.8		0-20
Beryllium-Be					0-20
Cadmium-Cd					0-20
Chromium-Cr					0-20
Cobalt-Co					0-20
Copper-Cu					0-20
Lead-Pb					0-20
Molybdenum-Mo					0-20
Nickel-Ni					0-20
Selenium-Se					0-20
Silver-Ag					0-20
Thallium-Tl					0-20
Vanadium-V					0-20
Zinc-Zn	7.70E+03	8.15E+03	5.7		0-20

Quality Control Parameter	**Post Digestion Spike**						
Digestion Date	3/5/2020						
Analysis Date	3/11/2020						
Matrix Type	Dust						
ECL No.	BD01266-A	Spike Added	Amount Recovered	Recovery			Control Limits
Units (mg/kg)				%	D_f	Q	%
Antimony-Sb							
Arsenic-As							
Barium-Ba							
Beryllium-Be							
Cadmium-Cd							
Chromium-Cr							
Cobalt-Co							
Copper-Cu							
Lead-Pb	3.00E+04	4.00E+04	6.78E+04	94.5	2000		75-120
Molybdenum-Mo							
Nickel-Ni							
Selenium-Se							
Silver-Ag							
Thallium-Tl							
Vanadium-V							
Zinc-Zn							

Environmental Chemistry Laboratory (ECL)

Review of Requests, Proposals, and Contracts Checklist

General Information

Preliminary ARF No.: 19 XX 0064 - 3 **Date of Contact:** 3 / 4 / 2019

Requestor's Name: Dan Gamez **Time of Contact:** 10:10 (am) / pm

Site Name: Exide, Vernon, CA

Communication Method: (Telephone) Email In-Person

ARF Proposal

☑ Turn-Around-Time (TAT) ☑ Review / verify Project, Activity & MPC Codes
Comments: Level 2

☑ Review / clarify Project Objective(s) ☑ Holding Time (HT)
Comments:

☑ Review / clarify Test Method(s) ☑ Sample Homogenization Procedure
Comments: for difficult and or multi-phasic matrices.
(Circle one) With or (Without) extraneous material

Contact requestor if it seems that most or all of sample will be used for analysis. They want to have sample leftover

☑ Review / clarify Quantitation Limit (RL or QL), if applicable for analyte(s)
Comments:

☑ Clarify if samples have already been sampled. Sample Date: N/A
Comments: Refer to original 19XX0064 ARF Checklist

☑ Review / clarify ECL's requirements on sample containers

- Samples submitted for volatile chemicals (i.e. VOCs and GRO) are in separate designated containers without headspace.
- Samples submitted for organic analyses must not be collected in plastic containers.
- Separate containers for non-volatile organic test methods and inorganic test methods.

Comments:

Environmental Chemistry Laboratory (ECL)

Review of Requests, Proposals, and Contracts Checklist

☑ Review / clarify amount(s) or volume(s) required for each requested test method
Comments:

☑ Review / clarify recommended # of containers and sample amount/volume for QC samples (duplicate & MS/MSD)
Comments:

☑ Review / clarify prioritization of test methods in case sample amount/volume is insufficient to perform all required tests.
Comments:

☑ Review / clarify ECL's policy for rejection of work based on, but not limited to, the following:

1. Broken sample container(s)
2. Inappropriate container for test methods requested (i.e. VOCs and GRO, plastic containers for organic analyses, etc.)
3. Insufficient sample amount/volume
4. Difficulty with phase separation of multi-phase sample(s)
5. Improper sample preservation
6. Other issues identified during the course of analysis

Comments:

☑ Review / clarify that the name of the requestor should be on the chain-of-custody on the SAR form.
Comments:

(Circle one) Transport method: Ship or Hand Delivery

Expected Sample Arrival Date: N/A

Recorded by: Francisco Montalvan — Name

Signature/Date 3/4/2020

State of California
Environmental Protection Agency

Department of Toxic Substances Control
Environmental Chemistry Laboratory

AUTHORIZATION REQUEST FORM (ARF)

Part A: Requestor's information

Requestor's Name: Dan Gamon Email: daniel.gamon@dtsc.ca.gov Phone: 9162553630

Back-up Requestor: Matt Wetter Email: matthew.wetter@dtsc.ca.gov Phone: 9162556629

☒ SUPPLEMENTAL (Check if Supplemental Requested)

Site Name: Exide, Vernon, CA

Expected Sample Arrival Date: 11/21/2019

Turnaround Time (TAT): *Rush ☐ *Level 1 ☐ 2 ☒ 3 ☐ *Unit chief's approval required(for Rush or TAT Level = 1):

Project ID: DTSC301864-63 Activity ID: 11037 MPC:

Part B: Project Objective(s) or QAPP (Questions? ECL Point of Contact: ECL Sample Management Officer at SMOFF@dtsc.ca.gov, (510) 540-3111)

Project Objective: Controlled storage and retention at ECL Pasadena for up to 1 year. Periodic samples will be collected during 2020 as demolition and closure work allows access to samples.

Special Informtion: We have decided to go ahead with the following samples to be run using the ICP method 6010 for now on the following dust and dirt samples: 1. BD01261-A 2. BD01262-A 3. BD01263-A 4. BD01264-A 5. BD01265-A 6. BD01266-A 7. BD01267-A

Part C: Analysis Information

Analysis Name	Test Code	Matrix	Number of Samples	Comments
Metals--ICP Metals Scan(16 Metals, no Mercury)	EPA 6010D	Dust	7	

Part D: (By SMO - ECL)

Authorization Number (AN): 19SC0064-S

Lab to Receive Sample(s): Environmental Chemistry Lab--Southern California
757 S. Raymond Ave., Suite 105, Pasadena, CA 91105
Attn: Scott A. Giatpaiboon (626)639-0286

Sample Management Officer (SMO): Francisco Montalvan

ARF Approval Date: 3/4/2020 (mm/dd/yy) Expiration Date: 3/18/2020 (mm/dd/yy)

ARF Revision Date: (mm/dd/yy) ARF Revised by:

Turnaround Time (TAT): * Rush for public health and safety or emergency *Level 1 = 15 days, 2 = 30 days, 3 = 45 days.
NA--Not Applicable

07.0145.00_rev 1_9/10/2018_Approved by Quality Management Officer

State of California
California Environmental Protection Agency

KMC 3/4/2020

Department of Toxic Substances Control
Environmental Chemistry Laboratory

ENVIRONMENTAL CHEMISTRY LABORATORY
SAMPLE ANALYSIS REQUEST

1. Authorization Number: 19SC0064 – S

ECL No.: BD01261 **To** BD01267

2. Page 1 of 4

3. Requestor: (to Receive Results)
a. Name: Dan Gamon
b. Address: 8800 Cal Center Drive (street number)
Sacramento, CA 95826-3200 (city, state, zip)
c. Phone: (916) 255-3630 (area code first) d. Fax: (area code first)
e. Email: daniel.gamon @dtsc.ca.gov

4. Project Name (if applicable): EXIDE TECHNOLOGIES

5. TAT Level: 3

6. Sampling Information:
a. Date/Time Sampled: 11/21/19 (mm/dd/yy)
(#:## AM/PM)
b. Location: EPA ID No. CAD097854541
Site: Exide Technologies
Address: 2700 South Indiana Street (street number)
Vernon, CA 90058 (city, state, zip)
GPS-Lat: 34.005939 GPS-Long: -118.19482
GPS-Alt: GPS-Depth:

7. Codes (select from drop down list or fill in if applicable)
a. Unit: SMRP-Exide
b. Project ID: DTSC301864
c. Activity ID: 11037
d. MPC: 63
e. County: 19--Los Angeles

8. Samples:

a.ID	b. Collector's No.	c. ECL No.	d. Matrix	e. Container Size	f. Number of containers	g. Preservative / Field Information
1	DTSC-01-DS-ON	BD01261-A	Dust	8 oz clear glass jar	1	Collected 11/21/19 0835
2	DTSC-02-DS-ON		Dust	8 oz clear glass jar	1	
3	DTSC-03-DS-ON	BD01262-A	Dust	8 oz clear glass jar	1	Collected 11/21/19 0900
4	DTSC-04-DS-ON	BD01263-A	Dust	8 oz clear glass jar	1	collected 11/21/19 0915
5	DTSC-05-DS-ON	BD01264-A	Dust	8 oz clear glass jar	1	Collected 11/21/19 0938
6	DTSC-06-DS-ON	BD01265-A	Dust	8 oz clear glass jar	1	collected 11/21/19 1248
7	DTSC-07-DS-ON	BD01266-A	Dust	8 oz clear glass jar	1	Collected 11/21/19 1306
8	DTSC-08-DS-ON		Dust	8 oz clear glass jar	1	
9	DTSC-09-DS-ON	BD01267-A	Dust	8 oz clear glass jar	1	Collected 11/21/19 0815

9. Analysis Requested: Enter sample IDs and sample ID ranges separated by commas. For example, 1-3, 5-7, 9

FIELD

a. Inorganic Analysis	Sample(s) ID	b. Organic Analysis	Sample(s) ID
Metals 6010 D	1, 3-7, 9		
Other Metals:			
c. TCLP Analysis		**d. Other Analysis**	
		~~Sample Storage and Retention~~ ~~1-9: 1, 3-7, 9~~ KMC 11/25/19	

KMC 3/4/2020

e. Comments for Multiphasic Samples/Analysis Priority:

10. Analysis Objective: Site Characterization

11. Detection Limit Requirements:
NA

12. Supplemental Requests: Enter sample IDs as described in Item 9

Desired Analysis	Sample(s) ID
NA	

Initials
Date

ECL

13. ECL Lab Remarks:

LAB

14. Chain of Custody:

COC

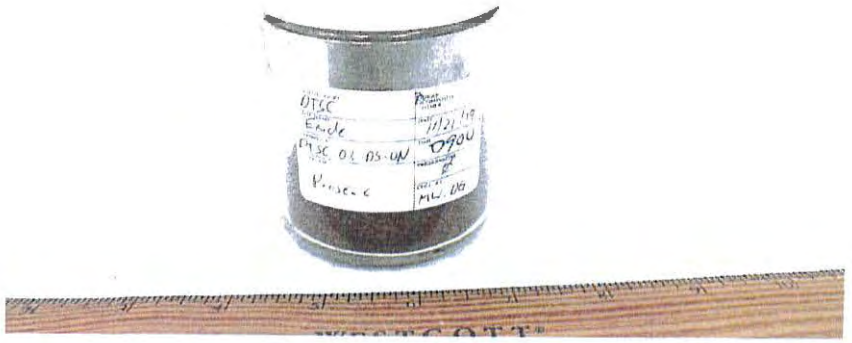
	Name	Title	Signature	Inclusive Dates of Custody
a.	Dan Gamon	SR. Eng. Geologist	7710 0671 6776	11/21/19 to 11/21/19
b.	FedEx	Shipper		11/21/19 to 11/22/19
c.	Karen Cruz	Environmental Scientist		11/22/19 to
d.				to
e.				to
f.				to
g.				to

BD01261-A

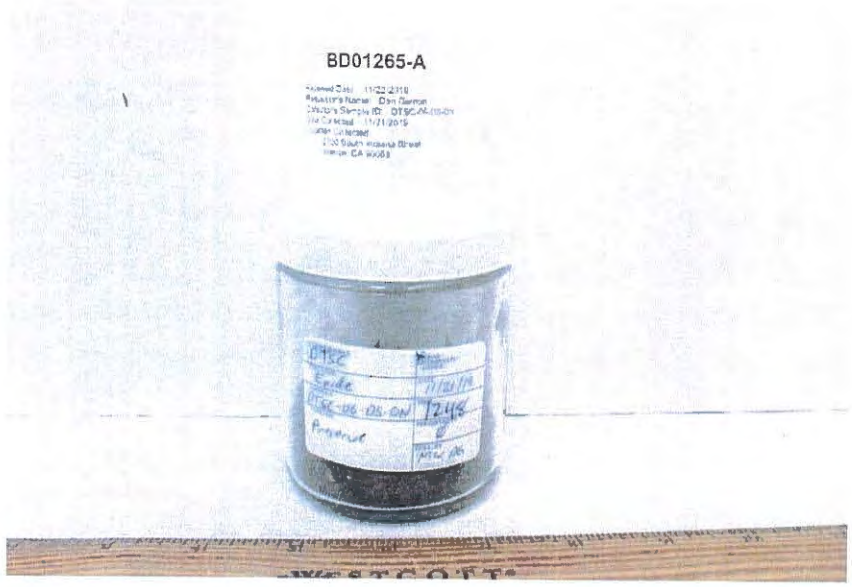
BD01263-A

BD01267-A

BD01262-A

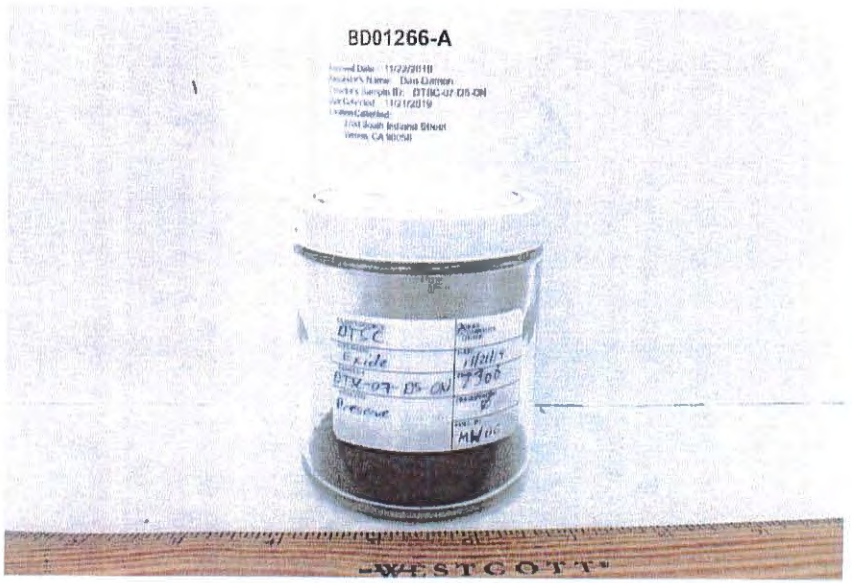


BD01265-A



BD01264-A

BD01266-A



Book #: BK0553

Page 41 of 100

Environmental Chemistry Laboratory - Pasadena
Sample Receipt Checklist

Authorization Number and ECL Assigned Number (s):

19SC0064
BD01261-BD01275

Date Received: 11 / 22 / 19

Time Received: 10:30 AM

Recorded by: Karen Cruz

Samples and Containers		Yes	No	If *No*, specify
Sample temperature range:	20.5 - 22.7 °C			
Custody seal present on samples?		✓		
Sample containers received in good condition?		✓		
Samples received in proper container?		✓		
Sample IDs clearly labeled and legible?		✓		
Cooling Packing Material Ice _____ Cooling Pack _____ Other (Specify) _____ N/A ✓				

Record Review (ARF Checklist, ARF, SAR, etc.)	Yes	No	If *No*, specify
Do the ARF & SAR match? (i.e. project codes, requestor info, etc.)	✓		
SAR received with samples?	✓		
Requestor and Sampling information on SAR complete ?	✓		
Codes, Section 7, on SAR correct and complete?	✓		
Collector's No. on SAR legible and match container?	✓		
Matrix correctly identified on SAR?	✓		
Container size correct?	✓		
Number of containers correct?	✓		
Samples received with proper preservation and information?	✓		
Analysis correctly identified for the appropriate sample?	✓		
Analysis Objective or requirement specified? (Section 10)	✓		
Chain of custody correct and complete?	✓		
Are additional analyses requested not in ARF? Yes _____ No ✓ If *Yes*, contact supervisor or QAO			
Do samples need to be split? Yes _____ No ✓ If *Yes*, refer to TSP on sample splitting.			

If sample may have insufficient amount, estimate weight:

ECL#: _____ weight of sample + container: _____ comparable empty container: -_____ estimated weight of sample: =_____	ECL#: _____ weight of sample + container: _____ comparable empty container: -_____ estimated weight of sample: =_____
ECL#: _____ weight of sample + container: _____ comparable empty container: -_____ estimated weight of sample: =_____	ECL#: _____ weight of sample + container: _____ comparable empty container: -_____ estimated weight of sample: =_____

KAC 11/25/19

Supplemental Request Review (if necessary)	Yes	No	If *No*, specify
Supplemental request identified for sample? (Section 12)			
Requestor initial and date for supplemental request?			

Book #: BK0553

Environmental Chemistry Laboratory - Pasadena
Sample Receipt Checklist

Additional Sample Amount Estimation Worksheet

ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______
ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______	ECL#: ________ weight of sample + container: _______ comparable empty container: -_______ estimated weight of sample: =_______

KMC 11/25/15

lmc@DTSC

From: Wetter, Matthew@DTSC
Sent: Monday, November 25, 2019 3:28 PM
To: lmc@DTSC; Gamon, Daniel@DTSC
Cc: Fernandez, Cesar@DTSC
Subject: RE: Collector's No.

And changing the SAR is fine on our end.

Matt Wetter, PE, QEP
Desk: (916) 255-6629
Cell: (916) 701-3313

From: Wetter, Matthew@DTSC
Sent: Monday, November 25, 2019 3:27 PM
To: lmc@DTSC <lmc@dtsc.ca.gov>; Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>
Cc: Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Yes, DTSC-03-PF-ON is dust and if you can fill that in it'd be great.
DTSC-04-SL-ON and DTSC-05-SL-ON are slag (ie a hunk of metal) which is why they are in bubble wrap, to prevent breaking the jar.
Thanks,
Matt Wetter, PE, QEP
Desk: (916) 255-6629
Cell: (916) 701-3313

From: lmc@DTSC <lmc@dtsc.ca.gov>
Sent: Monday, November 25, 2019 2:50 PM
To: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>; Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>
Cc: Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Hi Matt and Daniel,

It would be better on our end to change the SAR to match the collector's number currently on the label.

One other question we have 3 samples that do not have matrices. One, DTSC-03-PF-ON, appears to be dust and I can fill that in if you both agree. However, DTSC-04-SL-ON and DTSC-05-SL-ON are both in bubble and we cannot determine the matrices. Can you let us know what matrices each one is?

Thank you,

Karen M. Cruz
Environmental Scientist
(626) 639-0507
Cal-EPA, Department of Toxic Substances Control
Environmental Chemistry Laboratory – Pasadena
757 S. Raymond Ave. Suite 105, Pasadena, CA 91105

From: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>
Sent: Monday, November 25, 2019 2:39 PM
To: Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>; lmc@DTSC <lmc@dtsc.ca.gov>
Cc: Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Either way is fine here. I can also update our field notes in Survey 123 to keep the label ID as it is currently.

From: Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>
Sent: Monday, November 25, 2019 2:35 PM
To: lmc@DTSC <lmc@dtsc.ca.gov>
Cc: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>; Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Not really preferred because then we will have (another) gap in our sample numbering.
But if it is a real hassle on your end we will survive either way.

Matt Wetter, PE, QEP
Desk: (916) 255-6629
Cell: (916) 701-3313

From: lmc@DTSC <lmc@dtsc.ca.gov>
Sent: Monday, November 25, 2019 2:32 PM
To: Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>
Cc: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>; Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Hi Matt,

Great. It would be easier to rename the SAR to DTSC-09-PF-ON so that they match and the label would not be affected would you like us to do this instead?

Thank you,

Karen M. Cruz
Environmental Scientist
(626) 639-0507
Cal-EPA, Department of Toxic Substances Control
Environmental Chemistry Laboratory – Pasadena
757 S. Raymond Ave. Suite 105, Pasadena, CA 91105

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From: Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>
Sent: Monday, November 25, 2019 2:28 PM
To: lmc@DTSC <lmc@dtsc.ca.gov>
Cc: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>; Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: RE: Collector's No.

Hi Karen,
Thanks for the follow up.
The sample jar labeled DTSC-09-PF-ON at 14:30 should really be DTSC-01-PF-ON.
We intended to line out samples DTSC-06-PF-ON and DTSC-07-PF-ON. So you should not have a corresponding jar for them.
I confirmed this w/ Dan as well.
Thanks,

Matt Wetter, PE, QEP
Desk: (916) 255-6629
Cell: (916) 701-3313

From: lmc@DTSC <lmc@dtsc.ca.gov>
Sent: Monday, November 25, 2019 1:56 PM
To: Wetter, Matthew@DTSC <Matthew.Wetter@dtsc.ca.gov>
Cc: Gamon, Daniel@DTSC <Daniel.Gamon@dtsc.ca.gov>; Fernandez, Cesar@DTSC <Cesar.Fernandez@dtsc.ca.gov>
Subject: Collector's No.

Hi Matt,

I attached the image of the label of the sample that we are not sure on the collector's number. I have also attached another image of the sample itself. The collector's number on the SAR is DTSC-01-PF-ON. If you could please let us know the correct number that would be great.

If you have any questions let me know.

Thank you,
Karen M. Cruz
Environmental Scientist
(626) 639-0507
Cal-EPA, Department of Toxic Substances Control
Environmental Chemistry Laboratory – Pasadena
757 S. Raymond Ave. Suite 105, Pasadena, CA 91105

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1. Select the 'Print' button to print 1 copy of each label.
2. The Return Shipment instructions, which provide your recipient with information on the returns process, will be printed with the label(s).
3. After printing, select your next step by clicking one of the displayed buttons.

Note: To review or print individual labels, select the Label button under each label image above.

March 25th, 2021 COR Proposal #40247-011

Attention: Roberto Puga, P.G. – Vernon Environmental Response Trust (VERT)
2700 S. Indiana St., Vernon CA
(714) 863-0484
Email: rpuga@pathforwardconsult.com

COR Known As: COR 011 Non regulated building sealing
Located At: 2717 S. Indiana St., Vernon CA

Mr. Puga,

American Integrated Services (AIS) is providing a Change Order Request (COR) for AIS to board up Non-regulated buildings and seal openings, windows, doors in selected buildings conform scope of work provided on March 17, 2021.

Rate: $148,579.00

Notes and Conditions:

A. AIS has the right to withdraw or modify this proposal, if not accepted in writing within 30 days of the above date.
B. The daily rate may vary depending on required resources and time

If you have any questions, or need additional information or clarification, please feel free to contact me at (310) 522-1168 or by cell phone at (310) 591-4189.

Respectfully Submitted,
American Integrated Services, Inc.

Josh Whittaker
Vice President of Operations

Accepted By: ----------

Signature: ----------

Date: ----------

American Integrated Services, Inc.

P. O. 92316, Long Beach, CA 90809-2316
1502 E. Opp St., Wilmington, CA 90744-3927
Phone No. 310-522-1168 Fax No. 310-522-0474

TRANSMITTAL

TO: **Vernon Environmnetal Response Trust**
2717 South Indina St.
Vernon **CA** **90058**
ATTN: **Roberto Puga**
COR 011

REF: **VERT Exide**

Date: **March 25, 2021**
Job: **40247**
Reply to: **Lorena Fernandes**
lfernandes@americanintegrated.com

THE FOLLOWING ITEMS ARE BEING SENT:

X	Herewith
	Under separate cover
	Direct to:
	Via Fax to: ___ # pages: ___
	Original to follow via mail

QUANTITY	DESCRIPTION
1	Task Description: This change order is for AIS to board up Non-regulated buildings and seal openings, windows, doors in selected buildings conform scope of work provided on March 17, 2021.

These items are being sent:

	For your immediate action; keep us advised of action taken
	For you to process
X	For your review and approval
	For your general information and file
	For your approval or corrections
	For you to correct, if required, & return (6) confirming copies to us
	Please advise if additional copies are required after approval is rec'd
	Please return ____ copies to us with approval or correction notations
	For you to submit a Proposal
	(Approved) (Disapproved) by _____, as noted
	For your signature

REMARKS:

Please contact us promptly if there is a problem or question.

Very truly yours,

Received by _____
Sign

American Integrated Services, Inc.

By: Lorena Fernandes

American Integrated Services, Inc.

PROJECT: **VERT Exide**

LOCATION: **Vernon, CA**

AIS PROPOSAL#: **COR 011**

BID DATE: **3/25/2021**

ESTIMATOR: **LF**

Proprietary - Competition Sensitive Material

SCHEDULE IMPACT | WORK-DAYS (assumes linear schedule with no overlapping tasks)

TOTAL MANHOURS: | M-HRS

Task Description: This change order is for AIS to board up Non-regulated buildings and seal openings, windows, doors in selected buildings conform scope of work provided on March 17, 2021.

		JOB COSTS						*ALLOCATION BASED ON % OF JOB COSTS*				
ITEM NO.	DESCRIPTION	LABOR	EQUIPMENT	T&D	MATERIALS	PER DIEM	SUBS	SUBTOTAL JOB COSTS	GENERAL EXPENSES	OVERHEAD & PROFIT	BID PRICE	SALVAGE VALUE
1	Sealing buildings	$ 10,400	$ -	$ -	$ -	$ -	$ 124,672	$ 135,072	$ -	$ 13,507	$ 148,579	$ -
	TOTALS:	$ 10,400	$ -	$ -	$ -	$ -	$ 124,672	$ 135,072	$ -	$ 13,507	**$ 148,579**	**$ -**

INCREASE TO CONTRACT

TASK NO: **1**
TASK DESCRIPTION: Sealing buildings
PROJECT: **VERT Exide**
BID DATE: **3/26/2021**
ESTIMATOR: **LF**

DAYS TO COMPLETE TASK: **10**
HOURS PER DAY: **8**
BID QTY: **1**
UNIT: **LS**
BID UNIT PRICE: **$ 148,579.20**

LABOR	QTY	TOTAL HOURS	RATE	EXTENSION
LABORER	2	160	$ 65.00	$ 10,400
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
	TOTAL M-HRS:	160		
TOTAL LABOR:	---------->			**$ 10,400**

PER DIEM	QTY	UNIT	RATE	EXTENSION
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL PER DIEM:	---------->			**$ -**

EQUIPMENT	QTY	UNIT	RATE	EXTENSION
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL EQUIPMENT:	---------->			**$ -**

SUBCONTRACTORS	QTY	UNIT	RATE	EXTENSION
HPC			$ 124,672.00	$ 124,672
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL SUBS:	---------->			**$ 124,672**

DISPOSAL	QTY	UNIT	RATE	EXTENSION
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL DISPOSAL:	---------->			**$ -**

SALVAGE	QTY	UNIT	RATE	EXTENSION
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL SALVAGE:	---------->			**$ -**

MATERIALS/DIRECTS	QTY	UNIT	RATE	EXTENSION
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
				$ -
TOTAL MATERIALS:	---------->			**$ -**

COST SUMMARY	**% OF COST**	**COST**	**MARK UP**	**SELL PRICE**
LABOR	8%	$ 10,400	10%	$ 11,440
EQUIPMENT	0%	$ -	10%	$ -
DISPOSAL	0%	$ -	10%	$ -
MATERIALS/DIRECTS	0%	$ -	10%	$ -
PER DIEM	0%	$ -	10%	$ -
SUBCONTRACTORS	92%	$ 124,672	10%	$ 137,139
SUB TOTAL	**100%**	**$ 135,072**	10%	**$ 148,579**
			GEN EXPENSES ALLOCATION:	$ -
			MARK UP ON GENERAL EXPENSES:	$ -
			TOTAL SELL PRICE FOR THIS ITEM:	**$ 148,579**

NOTES & CALCULATIONS:

HUNTINGTON PACIFIC CORP.
GENERAL ENGINEERING CONTRACTOR
License# 992891A

8017 Mission Gorge Road
Santee, CA 92071
Office: (619) 334-0613

From: Tom Huntington **Date:** 3/23/2021

Exide Facility - Vernon, CA

We propose to furnish you labor and material in strict accordance with the plans and specifications as follows:

(1) - Blue Lead Wear House: $51,208
Roof line gap 448'x2'
35 Windows to Secure
51 Window Holes (2'x2')
42 Panels to Secure
2 Panel Holes (4'x8')
9 Panel Holes (2'x2')
Doorways:
2 (10'x9.5')
2 (16'x9.5')
2 Ped doors
7 Doors to secure

(2) - Machine Shop: $24,904
Roofline gap 230'x2'
20 Windows to Secure
12 Window Holes (2'x2')
9 Panels to Secure
18 Panel Holes (6"x6")
16 Panel Holes (2'x2')
Doorway:
2 (12.5'x10')
1 Ped door

(3) - Maintenance Storage: $19,818
Roofline Gap 100'x2'
12 Windows to Secure
4 Window Holes (2.5'x2')
6 Panels to Secure
7 Panel Holes (2'x2')
Doorway:
1 (8'x8.5')
1 Ped door

(4) - Garage: $12,510
Chain link (20'x7')
1 Panel Hole (4'x4')
Doorway:
1 (6'x8')
4 Ped doors

(5) - Chemical Storage Area: $7,675
15 Panels to Secure

(6) - Product Storage Warehouse: $1,325
1 Window Hole (4'x4')

(7) - Water Softener Building: $7,232
Panel Hole (3'x4')
Doorways:
1 (10'x 9.5') Barn doors with hinges
1 Ped door w/ hinges

Total $124,672

Inclusions:
All areas to be filled using 3/4" plywood
All plywood and wood to be painted with primer
All hardware including door hinges, fence material, screw included
Pricing good through 9/1/21
Work to be done in One continuous mobilization
Scope per job-walk with AIS Superintendent on 3/17/21

Lorena Fernandes

From: Eric Fraske <Eric.Fraske@nv5.com>
Sent: Wednesday, March 17, 2021 10:30 AM
To: Mario Ledesma; Enrique Bodart; Lorena Fernandes
Cc: Roberto Puga; Jerry Faucheux
Subject: Non-Regulated Building Sealing Scope
Attachments: Figure 1 - Site Plan.pdf

Hello all,

Per your request, below is a summary of the requested scope of work we discussed during our 3/16/2021 site walk with AIS and the VERT. Please base your change order on the following scope of work. I have attached a Site Plan for your reference. Let us know if you have any questions or require any clarifications.

Blue Lead Warehouse, Electricians Shop, Machine Shop

- Close and Cover any Man Doors with Plywood
- If sliding doors will not close or are missing, frame and cover with plywood.
- Cover any broken windows with Plywood
- Close any non-broken windows
- Cover any openings or vents along the roof line with wood.
- Remove any window mounted air conditioning unit (dispose of unit) and board up window with plywood.
- For damaged or deformed wall siding, reattach/fasten to building framing to close any openings.

Mobile Maintenance Building

- Complete fencing along western side of garage to limit access.
- Close and Cover man doors to supply room and office with plywood.
- Close main gate and lock it. Provide key or combination to guard, Resident Engineer/VERT. Keep a key and combo for AIS use as well.

South Yard Water Softening Building

- Install a man door to allow access if needed.
- If rollup door will not close, frame and cover with plywood.
- Remove any window mounted air conditioning unit (dispose of unit) and board up window with plywood.

South Yard Employee Services and Engineering Building

- Close and Lock Basement Door.
- Close any open windows. Cover any missing or broken windows with plywood.

South Yard Material Storage Building (PAC Center)

- Close and Lock chain link gates and sliding gate at sample storage area. Keep a key and combo for AIS use as well.
- For damaged or deformed wall siding, reattach/fasten to building framing to close any openings.

Administration Building, BESS Building, Finished Lead Warehouse, Bandini Guard Shack, and North Yard Guard Shack

- No actions needed at this time.

If any waste material (flaking paint, debris, etc.) is created during this process, immediately vacuum or collect it for proper disposal.

Thank you and please email or call with any questions you have.

Regards,

Eric Fraske | Senior Engineer III | **NV5** | Site Assessment and Remediation
3777 Long Beach Boulevard, Annex Building | Long Beach, CA 90807 | P: 562.495.5777 | C: 562.544.3910
eric.fraske@nv5.com | www.altaenviron.com | www.nv5.com | Electronic Communications Disclaimer

I am working remotely and can be reached via cell at 562.544.3910.

Alta Environmental is now NV5.