



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.

VERT
Interim Measures Immediate Response Actions
VERT-20-9944
May 4, 2021

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 |
|---|--|
| <p>1: Blue Lead Warehouse Interior</p> <p>No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site for recycling and disposal in May 2020.</p> | <ul style="list-style-type: none"> • 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. • |
| <p>2: Machine Shop Interior</p> <p>No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.</p> | <ul style="list-style-type: none"> • 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. |
| <p>3: Mobile Maintenance Building Interior</p> <p>No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.</p> | <ul style="list-style-type: none"> • 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 |
|---|---|
| <p>4: South Yard Water Softener Building</p> <p>Active electrical panels are located within structure but are only accessed by AIS staff on a limited as-needed basis only.</p> | <ul style="list-style-type: none"> • 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. |
| <p>5: South Yard Employee Services Building Basement</p> <p>No Longer in Use. Access is restricted by locked door.</p> | <ul style="list-style-type: none"> • 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. |
| <p>6: South Yard Material Storage Building</p> <p>Used for bulk storage of wastewater treatment plant chemicals. Limited access by AIS staff on as-needed basis only.</p> | <ul style="list-style-type: none"> • 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. |
| <p>7: Engineering Building Basement</p> <p>No Longer in Use. Access is restricted by locked door.</p> | <ul style="list-style-type: none"> • 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. |
| <p>Electrician Shop</p> <p>No Longer in Use. Majority of Inventory (shelving, equipment, materials) previously removed from the Site in May 2020.</p> | <ul style="list-style-type: none"> • 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

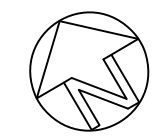
E. 26th ST.

S. INDIANA ST.

BANDINI BLVD.

LEGEND:

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



Approximate Scale: (Feet)

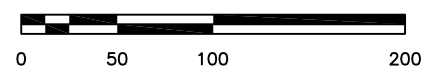


FIGURE 1: SITE PLAN

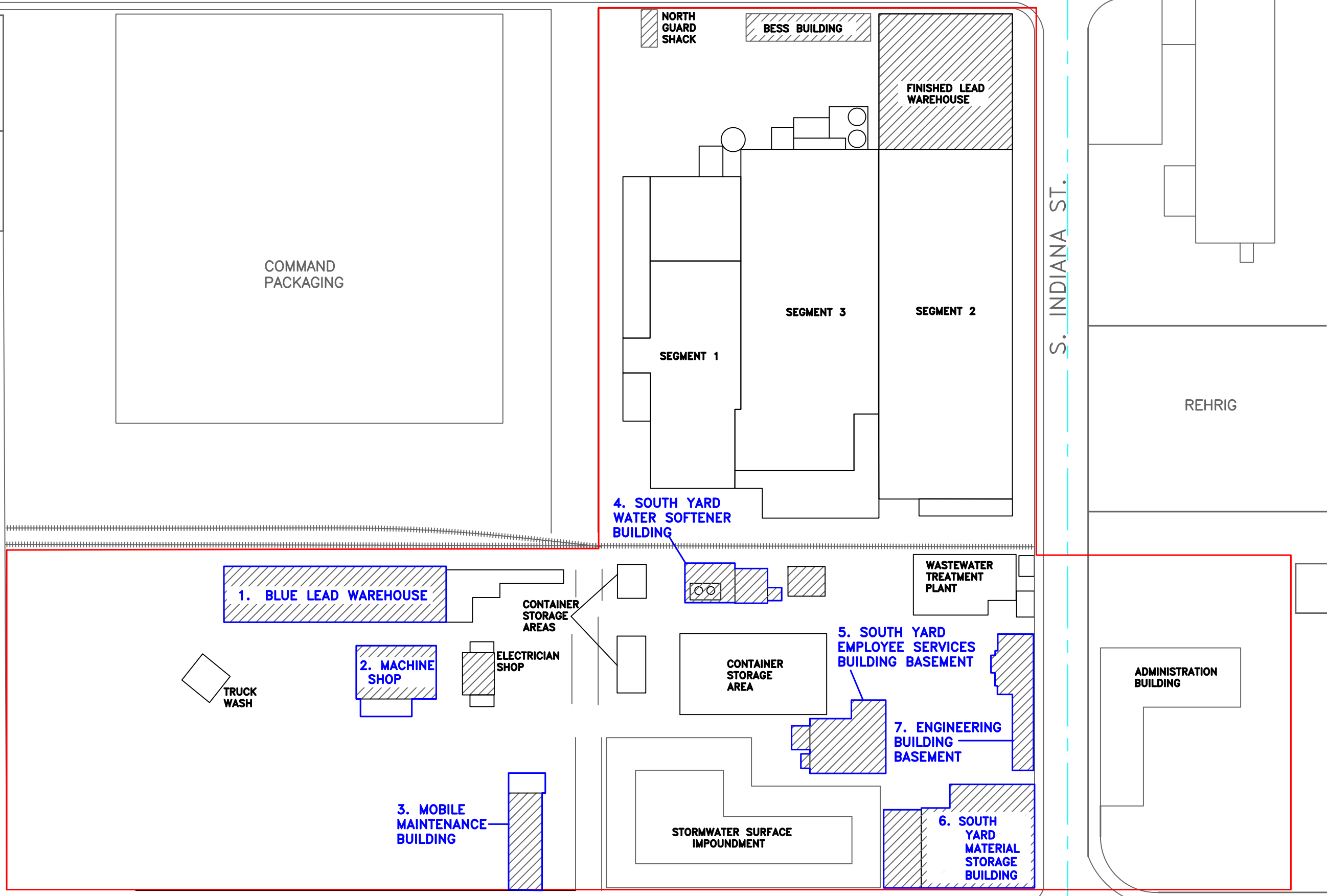
SITE:
Former Exide Facility
2700 South Indian Street
Vernon, California

PROJ. NO.: VERT-20-9944

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



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



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



Jared Blumenfeld
Secretary for
Environmental Protection



Department of Toxic Substances Control

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).

Ms. Grace Yeh

July 3, 2020

Page 2

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

| | Page Number |
|----------------------------------|-------------|
| Case Narrative | 2 |
| Acronyms | 3 |
| Analytical Reports | 4-10 |
| ARF Proposal Checklist | 11-12 |
| Authorization Request Form | 13 |
| Sample Analysis Requests | 14 |
| Photos | 15-16 |
| Sample Receipt Checklist | 17-18 |
| Email Correspondance | 19-21 |
| Airbill | 22 |

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): | <u>Priority 3 (45 Days)</u> | | |
| Date(s) Collected: | <u>11/21/2019</u> | | |
| Date(s) Received: | <u>11/22/2019</u> | | |
| Date(s) Extracted/Digested: | <u>3/5/2020</u> | Test Method: | <u>04.3050.00</u> |
| Date(s) Analyzed: | <u>3/11/2020</u> | Test Method: | <u>04.6010.00</u> |

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 4/11/2020
Hae Lee Date
Research Scientist I

Sample Analyzed by:

Hae Lee for 4/11/2020
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 |
| TTLIC | 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 |

Laboratory Report - Metals

Authorization No.: 19SC0064-S

ECL No(s): BD01261-BD01267

Page 4 of 22

| 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 |

Laboratory Report - Metals

Authorization No.: 19SC0064-S

ECL No(s): BD01261-BD01267

Page 6 of 22

| Quality Control Parameter | Laboratory Control Sample (LCS) | | | | | | | | | | | |
|---------------------------|---------------------------------|------------------|----------|---|---------------|------------------|----------|---|-----|---|----------------|------|
| | Sand | | | | | | | | | | | |
| 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 | | RPD | | 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 |

Authorization No.: 19SC0064-S

ECL No(s): BD01261-BD01267

| Quality Control Parameter | Sample Duplicate Analysis | | | | | | |
|---------------------------|---------------------------|----------------|-----------|----------------|------|----|----------------|
| | Dust | | | | | | |
| 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 | | | | | | | | | | | | | | |
| ECL No. | BD01266-A | Matrix Spike (MS) | | | | | Matrix Spike Duplicate (MSD) | | | | | RPD | | Control Limits | |
| | | 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 | M ² | 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 |

Authorization No.: 19SC0064-S

ECL No(s): BD01261-BD01267

| 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 |

Authorization No.: 19SC0064-S

ECL No(s): BD01261-BD01267

| 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

| <i>General Information</i> | |
|---|--|
| Preliminary ARF No.: <u>19 XX 0064-S</u> | Date of Contact: <u>5 / 4 / 2018</u> |
| Requestor's Name: <u>Dem Gannon</u> | Time of Contact: <u>10:30</u> (am/pm) |
| Site Name: <u>Exide, Vernon, CA</u> | |
| Communication Method: <input checked="" type="radio"/> Telephone <input type="radio"/> Email <input type="radio"/> In-Person | |
| <i>ARF Proposal</i> | |
| <input checked="" type="checkbox"/> Turn-Around-Time (TAT) Comments: <u>Level 2</u> | <input checked="" type="checkbox"/> Review / verify Project, Activity & MPC Codes |
| <input checked="" type="checkbox"/> Review / clarify Project Objective(s) Comments: | <input checked="" type="checkbox"/> Holding Time (HT) |
| <input checked="" type="checkbox"/> Review / clarify Test Method(s) Comments: <u>Contact requestor if it seems that most or all of sample will be used for analysis. They want to have sample leftover</u> | <input checked="" type="checkbox"/> Sample Homogenization Procedure for difficult and/or multiphase matrices (Circle one) With or <u>Without</u> extraneous material |
| <input checked="" type="checkbox"/> Review / clarify Quantitation Limit (RL or QL), if applicable for analyte(s) Comments: | |
| <input checked="" type="checkbox"/> Clarify if samples have already been sampled. Comments: <u>Refer to original 19XX0064 ARF checklist</u> | Sample Date: <u>N/A</u> |
| <input checked="" type="checkbox"/> Review / clarify ECL's requirements on sample containers <ul style="list-style-type: none"> • 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: | |

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 -5 | ECL No.: BDO1261 To BDO1267 | 2. Page 1 of 4 | | |
| 3. Requestor: (to Receive Results) a. Name: Dan Gamon | | 4. Project Name (if applicable): EXIDE TECHNOLOGIES | | 5. TAT Level: 3 | | |
| 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) | | 7. Codes (select from drop down list or fill in if applicable) | | | | |
| e. Email: daniel.gamon@dtsc.ca.gov | | a. Unit SMRP-Exide | | | | |
| 6. Sampling Information: a. Date/Time Sampled: 11/21/19 (mm/dd/yy) | | b. Project ID DTSC301864 | | | | |
| b. Location: EPA ID No. CAD097854541 (#:## AM/PM) | | c. Activity ID 11037 | | | | |
| Site: Exide Technologies | | d. MPC 63 | | | | |
| Address: 2700 South Indiana Street (street number) Vernon, CA 90058 (city, state, zip) | | e. County 19-Los Angeles | | | | |
| GPS-Lat: 34.005939 GPS-Long: -118.19482 | | | | | | |
| GPS-Alt: GPS-Depth: | | | | | | |
| 8. Samples: | | f. Number of containers | | g. Preservative / Field Information | | |
| 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 | BDO1261-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 | BDO1262-A | Dust | 8 oz clear glass jar | 1 | Collected 11/21/19 0900 |
| 4 | DTSC-04-DS-ON | BDO1263-A | Dust | 8 oz clear glass jar | 1 | collected 11/21/19 0915 |
| 5 | DTSC-05-DS-ON | BDO1264-A | Dust | 8 oz clear glass jar | 1 | Collected 11/21/19 0938 |
| 6 | DTSC-06-DS-ON | BDO1265-A | Dust | 8 oz clear glass jar | 1 | collected 11/21/19 1248 |
| 7 | DTSC-07-DS-ON | BDO1266-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 | BDO1267-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 | | | | | | |
| a. Inorganic Analysis | | Sample(s) ID | b. Organic Analysis | | Sample(s) ID | |
| Metals lead | | 1,3-7,9 | | | | |
| Other Metals: | | | | | | |
| c. TCLP Analysis | | | d. Other Analysis | | | |
| | | | Sample Storage and Retention 10-1,3,7,9 KMC 11/25/19 | | | |
| 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 | | | | | 13. ECL Lab Remarks: | |
| Desired Analysis | | Sample(s) ID | Initials | | | |
| NA | | | Date | | | |
| 14. Chain of Custody: | | | | | | |
| Name | Title | Signature | Inclusive Dates of Custody | | | |
| a. Dan Gama | Sr. Eng. Geologist | [Signature] | 10/21/19 | to | 10/21/19 | |
| b. FedEx | Shipper | [Signature] | 10/21/19 | to | 11/22/19 | |
| c. Karen Cruz | Environmental Scientist | [Signature] | 11/22/19 | to | | |
| d. | | | | to | | |
| e. | | | | to | | |
| f. | | | | to | | |
| g. | | | | to | | |

FIELD

LAB

COC

KMC
3/4/2020

BD01263-A

01/05/05
08/15
01/05/05
08/15
01/05/05
08/15
01/05/05
08/15



BD01262-A

01/05/05
08/15
01/05/05
08/15
01/05/05
08/15
01/05/05
08/15



BD01261-A

01/05/05
08/15
01/05/05
08/15
01/05/05
08/15
01/05/05
08/15



BD01267-A

01/05/05
08/15
01/05/05
08/15
01/05/05
08/15
01/05/05
08/15



BD01265-A

Received Date: 11/22/2019
Receiving Name: Dan Lamm
Receiving Site: QIPZA
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19



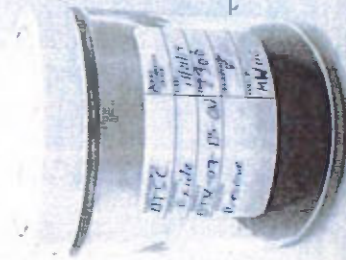
BD01264-A

Received Date: 11/22/2019
Receiving Name: Dan Lamm
Receiving Site: QIPZA
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19



BD01266-A

Received Date: 11/22/2019
Receiving Name: Dan Lamm
Receiving Site: QIPZA
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19
Receiving Lot: 11/22/19



-WESTCOAT-

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: LARRY CRUZ

| Samples and Containers | Yes | No | If No, specify |
|--|-------------------------------------|----|----------------|
| Sample temperature range: <u>20.5 - 22.7 °C</u> | | | |
| Custody seal present on samples? | <input checked="" type="checkbox"/> | | |
| Sample containers received in good condition? | <input checked="" type="checkbox"/> | | |
| Samples received in proper container? | <input checked="" type="checkbox"/> | | |
| Sample IDs clearly labeled and legible? | <input checked="" type="checkbox"/> | | |
| Cooling Packing Material <u>Ice</u> Cooling Pack <u> </u> Other (Specify) <u> </u> N/A <input checked="" type="checkbox"/> | | | |

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

| | |
|--|--|
| If sample may have insufficient amount, estimate weight: | |
| ECL#: <u> </u> weight of sample + container: <u> </u> comparable empty container: - <u> </u> estimated weight of sample: = <u> </u> | ECL#: <u> </u> weight of sample + container: <u> </u> comparable empty container: - <u> </u> estimated weight of sample: = <u> </u> |
| ECL#: <u> </u> weight of sample + container: <u> </u> comparable empty container: - <u> </u> estimated weight of sample: = <u> </u> | ECL#: <u> </u> weight of sample + container: <u> </u> comparable empty container: - <u> </u> estimated weight of sample: = <u> </u> |

ECL 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

Page 42 of 100

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: = _____

YAC 11/5/15

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

This communication is intended only for the individual or entity to which it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately by telephone at (626) 639-0507 or via e-mail at Karen.Cruza@dtsc.ca.gov, and delete this message and all attachments thereto. Thank you.

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](http://757.S.Raymond.Ave.Suite.105.Pasadena.CA.91105)

This communication is intended only for the individual or entity to which it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or

copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately by telephone at (626) 639-0507 or via e-mail at Karen.Cruz@dtsc.ca.gov, and delete this message and all attachments thereto. Thank you.

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](https://www.dtsc.ca.gov/About-DTSC/Contact-Us/Pasadena-Office)

This communication is intended only for the individual or entity to which it is directed. It may contain information that is privileged, confidential, or otherwise exempt from disclosure under applicable law. Dissemination, distribution, or copying of this communication by anyone other than the intended recipient, or a duly designated employee or agent of such recipient, is prohibited. If you have received this communication in error, please notify us immediately by telephone at (626) 639-0507 or via e-mail at Karen.Cruz@dtsc.ca.gov, and delete this message and all attachments thereto. Thank you.

11/13/2019

FedEx Ship Manager - Print Your Label(s)

ORIGIN ID:EMTA (916) 823-7345
C/O MATT WETTER, PE, DTSC
ENDE TECHNOLOGIES
2700 SOUTH INDIANA STREET
VERNON, CA 90058

SHIP DATE: 13NOV19
ACTWT: 50.00 LB
QAD: 714032MET4160

UNITED STATES US

TO SCOTT GIATPAIBOON
DEPT OF TOXIC SUBSTANCES
757 S. RAYMOND AVENUE #105

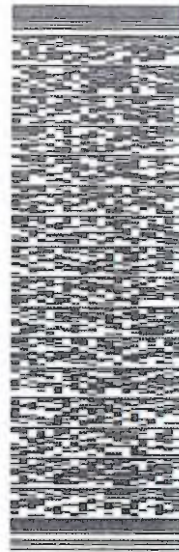
PASADENA CA 91105

PO (926) 838-0286

REF:

DEPT

RMA:



567J1F33005A2

TRK# 0221 7910 0671 6776

RETURNS MON-FRI
STANDARD OVERNIGHT

91105

CA-US



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.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$500. e.g. jewelry, precious metals, negotiable instruments and other items listed in our Service Guide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



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.

Accepted By: -----

Josh Whittaker
Vice President of Operations

Signature: -----

Date: -----



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

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

REF: **VERT Exide**

THE FOLLOWING ITEMS ARE BEING SENT:

| | |
|-------------------------------------|----------------------------------|
| <input checked="" type="checkbox"/> | Herewith |
| <input type="checkbox"/> | Under separate cover |
| <input type="checkbox"/> | Direct to: _____ |
| <input type="checkbox"/> | Via Fax to: _____ # pages: _____ |
| <input type="checkbox"/> | 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:

| | |
|-------------------------------------|--|
| <input type="checkbox"/> | For your immediate action; keep us advised of action taken |
| <input type="checkbox"/> | For you to process |
| <input checked="" type="checkbox"/> | For your review and approval |
| <input type="checkbox"/> | For your general information and file |
| <input type="checkbox"/> | For your approval or corrections |

| | |
|--------------------------|---|
| <input type="checkbox"/> | For you to correct, if required, & return (6) confirming copies to us |
| <input type="checkbox"/> | Please advise if additional copies are required after approval is rec'd |
| <input type="checkbox"/> | Please return _____ copies to us with approval or correction notations |
| <input type="checkbox"/> | For you to submit a Proposal |
| <input type="checkbox"/> | (Approved) (Disapproved) by _____, as noted |
| <input type="checkbox"/> | 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



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.

| ITEM NO. | DESCRIPTION | JOB COSTS | | | | | | ALLOCATION BASED ON % OF JOB COSTS | | | BID PRICE | SALVAGE VALUE |
|----------------|-------------------|-----------|-----------|------|-----------|----------|------------|------------------------------------|------------------|-------------------|----------------------|---------------|
| | | LABOR | EQUIPMENT | T&D | MATERIALS | PER DIEM | SUBS | SUBTOTAL JOB COSTS | GENERAL EXPENSES | OVERHEAD & PROFIT | | |
| 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 | |



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.