



SOUTH COAST AQMD  
CLERK OF THE BOARDS

January 30, 2015

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Mr. Edwin L. Pupka  
Senior Enforcement Manager  
Office of Engineering and Compliance  
South Coast Air Quality Management District  
21865 Copley Drive  
Diamond Bar, CA 91765

**PROJECT: EXIDE TECHNOLOGIES FACILITY ID NO. 124868,  
ORDER OF ABATEMENT CASE NO. 3151-32**  
**RE: WEEKLY STATUS REPORT # 20 (1/22/15 – 1/28/15)**

Dear Mr. Pupka,

Tetra Tech Inc. is pleased to present the following Weekly Status Report for the above referenced project. This report covers the period of January 22, 2015 through January 28, 2015.

**CURRENT ACTIVITIES WHERE PREVIOUSLY APPROVED MITIGATION  
MEASURES WERE FULLY IMPLEMENTED**

Major items of work performed by Exide and/or its contractor(s) (including specific mitigation measures) currently under way or completed during this reporting period where mitigation measures were observed to be implemented in full compliance with the previously approved mitigation measures under the Mitigation Plan for Construction of Risk Reduction Measures, RCRA RFI Sampling, and Other Plant Activities or other Mitigation Plans, as approved by the SCAQMD, at the site during this period include:

TASK ID	Major Work Item	Mitigation Measure(s)
2a	Dust Removal	Total Enclosure Building Under Negative Pressure
EX 43	West Yard Sump Piping	None Required
2d	Installation of High Speed Doors	Total Enclosure Building Under Negative Pressure
5d	Santa Maria Tank	Total Enclosure Building Under Negative Pressure
3c	Replacement of Blast Furnace Partial Enclosure	Total Enclosure Building Under Negative Pressure
5b	Blast Furnace Activities	Total Enclosure Building Under Negative Pressure
3a	Blast Furnace Tray Type Wet Scrubbing System Installation	Total Enclosure Building Under Negative Pressure
3g	Reverb Furnace Feed Modification	Total Enclosure Building Under Negative Pressure
3i	Installation of Rotary Dryer Regenerative Thermal Oxidizer	Total Enclosure Building Under Negative Pressure

Tetra Tech BAS, Inc.

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TASK ID	Major Work Item	Mitigation Measure(s)
EX 73	Stormwater Repair – 3 Manholes	Temporary Enclosure Under Negative Pressure
EX 84	Repurposing of North Reverb Baghouse	Total Enclosure Building Under Negative Pressure
EX 86 / 3k	Installation of Blast RTO	Total Enclosure Building Under Negative Pressure
EX 88	Reverb Feed Room/ Corridor Floors	Total Enclosure Building Under Negative Pressure
EX 33	Building Negative Pressure Monitoring Upgrade	Use of Self Tapping Screws, Pre-Cleaning of Area
EX 87	#5 Sand Filter Tank in the Waste Water Treatment	Temporary Enclosure Under Negative Pressure
3b	Hard Lead System Ventilation Modification	Total Enclosure Building Under Negative Pressure
3f	Blast Furnace Slag Tap Ventilation Hood Modification	Total Enclosure Building Under Negative Pressure

Dust Removal

National Response Corporation (NRC) did not perform any dust removal activities during this reporting period. NRC is scheduled to resume dust removal activities in an upcoming reporting period.

West Yard Sump Piping

No work occurred on the West Yard Sump Piping during this reporting period. Exide is awaiting Department of Toxic Substances Control (DTSC) review and comment on proposed piping modification prior to completion of this task. This activity does not require a temporary negative pressure enclosure because no work is being performed that has the potential to generate dust.

Installation of High Speed Doors

Vortex Construction began installation of the high speed door in the southern portion of the baghouse building on January 26, 2015. This work will continue in an upcoming reporting period.

Tetra Tech personnel were onsite to observe the installation activities and housekeeping activities. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure
- Periodic visual observation of the installation activities

Santa Maria Tank #12

Bear Welding resumed work on the construction of the Santa Maria tank #12. Construction activities included welding, cutting, and grinding within the tank.

Tetra Tech personnel were onsite to observe the installation activities and housekeeping activities. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.

#### Blast Furnace Activities and Replacement of Blast Furnace Partial Enclosure

Advanced Construction resumed work in the Blast Furnace Partial Enclosure on Thursday, January 22, 2015, and continued installing the frame for the new Blast Furnace Partial Enclosure. This work will continue in the next reporting period.

Tetra Tech personnel were onsite to observe the installation activities and housekeeping activities. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.
- Periodic visual observation of the installation activities to confirm compliance with the supplemental mitigation plan.

#### Blast Furnace Tray Type Wet Scrubbing System

No work occurred on the blast furnace tray type wet scrubbing system during this reporting period. Work will resume in the upcoming reporting period.

#### Reverb Furnace Feed Modification

Advanced Construction continued modification activities on Thursday, January 22, 2015, by removing and dismantling the Ram Furnace Feed System. Reverb Furnace Feed modifications will continue into the next reporting period.

Tetra Tech personnel were onsite to observe operations. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.

#### Installation of the Rotary Dryer Regenerative Thermal Oxidizer (RTO)

Advanced Construction and Baghouse Services continued installation activities on Saturday, January 23, 2015, for the Rotary Dryer RTO. The blower motor assembly for the new RTO was installed on Wednesday, January 27, 2015.

Tetra Tech personnel were onsite to observe operations. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.
- Observation of activities being performed using wet methods.

### Stormwater Repair – 3 Manholes

No work was completed on this project during this reporting period. Innovative Construction Solutions (ICS) has been requested to provide additional information on a proposed repair method before the method can be approved. Repair activities will resume once a repair method is approved.

### Repurposing of North Reverb Bag House

Exide personnel resumed activities on Friday, January 23, 2015, for the repurposing of the North Reverb Bag House. National Coating continued to sand blast the interior of the North Reverb Baghouse. National Coating's sand blasting activities will continue into the next reporting period.

Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.

### Installation of Blast RTO

Advanced Construction continued installation activities on Thursday, January 22, 2015, for the installation of the new RTO for the Blast Furnace. Activities included installation of rebar and framing for the foundation the new RTO.

Tetra Tech personnel were onsite to observe operations. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.

### Reverb Feedroom/Corridor Floors

Advanced Construction began preparation of the Reverb Feedroom and corridor floors on Thursday, January 22, 2015. Feed from the southern portion of the Reverb Feedroom was stockpiled onto a geomembrane liner in the northern area. The stockpiling of feed will continue into the next reporting period.

Tetra Tech personnel were onsite to observe operations. Verification activities included:

- Verification that the Total Enclosure Building was maintained under negative pressure and vented to operational air pollution control equipment during all observed activities.

### Building Negative Pressure Monitoring Upgrade

Southwest Industrial Electric continued installation activities on January 22, 2015, and is currently installing programming and wireless communication.

#5 Sand Filter Tank in the Waste Water Treatment

Exide completed all test and repairs on the #5 Sand Filter Tank in the Water Treatment area on Friday, January 23, 2015.

Tetra Tech personnel were onsite but did not observe work performed by Exide to the sand filter tank.

Hard Lead System Ventilation Modification

Exide continued modifications to the Hard Lead System ventilation on Thursday, January 22, 2015.

Tetra Tech personnel were onsite but did not observe work performed by Exide to the Hard Lead System ventilation.

Blast Furnace Slag Tap Ventilation Hood Modification

No work was performed on the Blast Furnace Slag Tap Ventilation Hood Modification during this reporting period. Work will resume in the next reporting period.

CURRENT ACTIVITIES WHERE A DEVIATION FROM PREVIOUSLY APPROVED MITIGATION MEASURES WERE OBSERVED AND THE CORRECTIVE ACTIONS TAKEN

Major items of work performed by Exide and/or its contractor(s) (including specific mitigation measures) currently under way or completed during this reporting period where for each of the activities described below, mitigation measures were implemented which to some extent deviated from the previously approved mitigation measures under the Mitigation Plan for Construction of Risk Reducing Measures, RCRA RFI Sampling, and Other Plant Activities or other Mitigation Plans, as approved by the SCAQMD:

TASK ID	Major Work Item	Deviation(s)	CORRECTIVE ACTION
None			

In general accordance with the Order for Abatement Case No. 3151-32 Findings and Decision, air monitoring, if required, was conducted during a portion of all repair work performed within the temporary enclosures on a daily basis. If the results of continuous Dust Trak air monitoring detected excessive dust, additional suppression activities are required to be implemented. For this reporting period, Dust Trak monitoring was not required since work was not performed outside in temporary enclosures.

Activity Which Resulted in Excessive Dust	Additional Suppression Activity
Not Applicable	Not Applicable

**WORKER SAFETY CONCERNS:**

The following Health and Safety issues, as they apply to Tetra Tech employees, were observed during this reporting period:

- o None.

**ACTUAL vs. FORECAST PROGRESS:**

Exide Technologies submitted a schedule which outlines the tasks needed to be completed in response to this abatement order. The attached Gant Chart shows scheduled progress for all activities planned for the upcoming two week period. The following table shows the status of these activities.

<b>TASK</b>	<b>STATUS</b>
Dust Removal	Ongoing
West Yard Sump Piping	Ongoing - on hold
Installation of High Speed Doors	Started
Santa Maria Tank 12	Ongoing
Replacement of Blast Furnace Partial Enclosure	Ongoing
Blast Furnace Activities	Ongoing
Blast Furnace Tray Type Wet Scrubbing System Installation	Ongoing
Reverb Furnace Feed Modification	Ongoing
Installation of Rotary Dryer Regenerative Thermal Oxidizer	Ongoing
Storm Water Repair – 3 Manholes	Ongoing – on hold
Repurposing of North Reverb Baghouse	Ongoing
Installation of Blast RTO	Ongoing
Reverb Feed Room/Corridor Floors	Started
Building Negative Pressure Monitoring Upgrade	Ongoing
#5 Sand Filter Tank in the Waste Water Treatment	Complete
Hard Lead System Ventilation Hood Modification	Ongoing
Blast Furnace Slag Tap Ventilation Hood Modification	Ongoing – on hold
Cleaning of Assorted Materials in Total Enclosure	Ongoing
Various Work Methods in Total Enclosure	Ongoing
RCRA RFI Soil Sampling	Starting

**WORK SCHEDULED DURING THE UPCOMING PERIOD:**

The following activities are anticipated for the upcoming weeks:

Week	Anticipated Activities
Jan. 29 – Feb. 4	<ul style="list-style-type: none"> <li>• Dust Removal Continues</li> <li>• Storm Water Repair 3 Manholes Continues</li> <li>• Blast Furnace Activities Continue</li> <li>• Repurposing of North Reverb Baghouse Continues</li> <li>• Replacement of Blast Furnace Partial Enclosure Continues</li> <li>• Installation of Rotary Dryer Regenerative Thermal Oxidizer Continues</li> <li>• Blast Furnace Tray Type Wet Scrubbing System Installation Continues</li> <li>• Installation of Blast RTO Continues</li> <li>• RCRA RFI Soil Sampling Starts</li> <li>• Hard Lead System Ventilation Modification Continues</li> <li>• Blast Furnace Slag Tap Ventilation Hood Modification Continues</li> <li>• Reverb Furnace Feed Modification Continues</li> <li>• Reverb Feedroom/Corridor Floors continues</li> <li>• Cleaning of Assorted Materials in Total Enclosure Continues</li> <li>• Various Work Methods in Total Enclosure Continues</li> <li>• West Yard Sump Piping</li> <li>• Installation of High Speed Doors</li> <li>• Santa Maria Tank</li> <li>• Building Negative Pressure Upgrade</li> </ul>

Week	Anticipated Activities
Feb. 5 - Feb. 11	<ul style="list-style-type: none"> <li>• Storm Water Repair 3 Manholes Completes</li> <li>• Repurposing of North Reverb Baghouse Continues</li> <li>• Replacement of Blast Furnace Partial Enclosure Continues</li> <li>• Installation of Rotary Dryer Regenerative Thermal Oxidizer Continues</li> <li>• Blast Furnace Tray Type Wet Scrubbing System Installation Continues</li> <li>• Installation of Blast RTO Continues</li> <li>• RCRA RFI Soil Sampling Continues</li> <li>• Hard Lead System Ventilation Modification Continues</li> <li>• Blast Furnace Slag Tap Ventilation Hood Modification Continues</li> <li>• Reverb Feed / Corridor Floors Continues</li> <li>• West Yard Sump Piping Continues</li> <li>• Cleaning of Assorted Materials in Total Enclosure Continues</li> <li>• Various Work Methods in Total Enclosure Continues</li> <li>• Installation of High Speed Doors</li> <li>• Building Negative Pressure Monitoring Upgrade</li> </ul>

**KEY MILESTONES:**

The following key milestones were achieved during this reporting period:

- o #5 Sand Filter Tank in the Waste Water Treatment Plant – COMPLETE
- o Reverb Feedroom/Corridor Floors - STARTED

**POTENTIAL CHANGES AND ACTION ITEMS REQUIRING RESOLUTION:**

The following items require resolution:

- o None at this time.

OTHER NOTES/COMMENTS

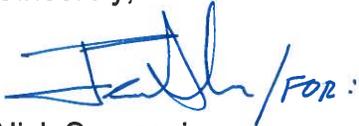
Due to budgetary constraints and Exide's schedule, continuous monitoring of all activities was not possible. Each activity being performed is inspected periodically on a daily basis, but is no longer continuously monitored.

SUMMARY:

The summary provided herein covers the activities for the period of January 22, 2015 through January 28, 2015. Please find attached a copy of Exide's upcoming two weeks schedule and site map identifying the location of the activities on the upcoming two weeks schedule.

Should you have questions regarding this report, or require additional information, please contact me at your earliest convenience.

Sincerely,

A handwritten signature in blue ink, appearing to read "Nick Somogyi", followed by the text "/FOR:".

Nick Somogyi  
Project Engineer

ATTACHMENTS:

Gant Chart Schedule  
Site Map

## Gant Chart Schedule



## Site Map



## Mitigation Project Map Layout

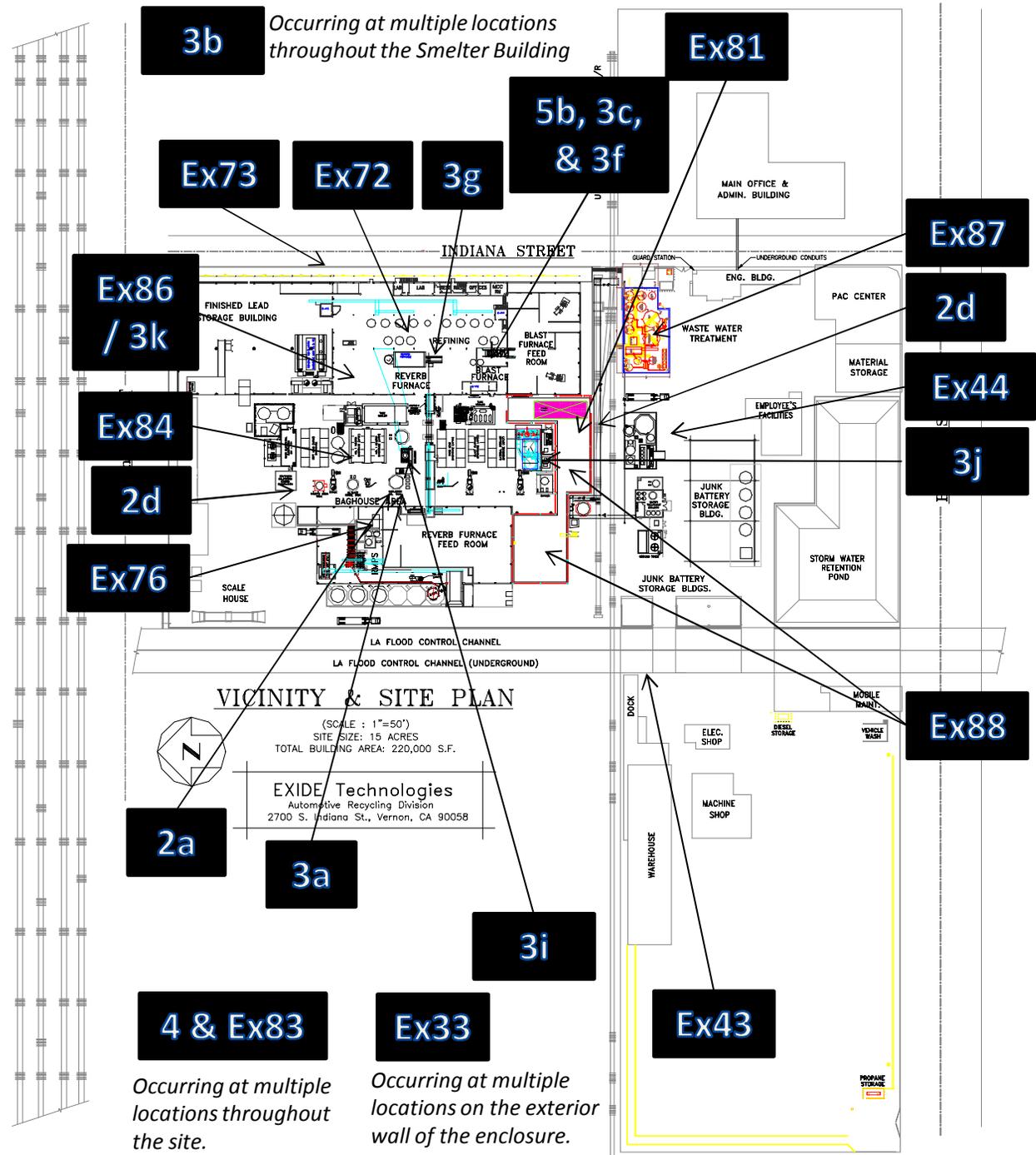
**Week 1/22/15 – 2/11/15**

**Rev: 1/29/2015**

- Ex43. West Yard Sump Piping*
- 2a. Dust Removal*
- Ex73. Stormwater Repair – 3 Manholes*
- Ex44. Underground Pipe Project*
- Ex81. Removal & Shipment of Spent Furnace Brick & Refractory*
- Ex33. Building Negative Pressure Monitoring Upgrade*
- 4. RCRA RFI Soil Sampling*
- Ex83. RFI Soil Sampling Supplemental*
- Ex72. Cleaning of Assorted Materials in Total Enclosure*
- Ex76. Various Work Methods in Total Enclosure*
- 5b. Blast Furnace Activities*
- 3a. Blast Furnace Tray Type Wet Scrubbing System Installation*
- Ex84. Repurposing of North Reverb Baghouse*
- 3c. Replacement of Blast Furnace Partial Enclosure*
- 3i. Installation of Rotary Dryer Regenerative Thermal Oxidizer*
- 3j. Installation of HEPA Filters on MAC Baghouses*
- Ex86 / 3k. Installation of Blast RTO*
- Ex87. #5 Sand Filter Tank in the Waste Water Treatment*
- 3b. Hard Lead System Ventilation Modification*
- 3g. Reverb Furnace Feed Modification*
- 3f. Blast Furnace Slag Tap Ventilation Hood Modification*
- Ex88. Reverb Feedroom / Corridor Floors*
- 2d. Installation of High Speed Doors*

Numbering system correlates with Mitigation plan document. Ex refers to additional work part of Sec. 6b in the Mitigation plan document.

Mitigation Schedule and Map\_012915.pptx



Occurring at multiple locations throughout the site.

Occurring at multiple locations on the exterior wall of the enclosure.