South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

August 9, 2013
Via Electronic Submittal

Mr. Gerardo Rios
U. S. EPA, Region IX
Mail Stop A-5-2
75 Hawthorne Street
San Francisco, California 94105

Dear Mr. Rios:

Proposed Minor Revision to Title V Permit for Exide Technologies, Vernon (ID# 124838)

The South Coast Air Quality Management District (AQMD) proposes to issue a revised Title V Permit for Exide Technologies located at 2700 South Indiana Street, Vernon, CA 90058. This revision is considered to be a minor revision and a public notice is not required. We are enclosing the appropriate pages of Section H and the engineering evaluation pertaining to the following application:

Section H (Permits to Construct)

Appl. No.	Description	Device(s)	Process	System
554906	Changing Condition D182.6 to provide a 60-day extension to source test and submit source test reports.	D128	1	4

This Title V permit revision is covered under Application No. 554907. **We are requesting expedited review and asking that you conclude your review by August 13, 2013 to facilitate the issuance of this permit revision to bring the facility into compliance as they have not met the source test time line as specified in the current version of the permit due to an extended, mandated shutdown of the facility.**

This package is being submitted electronically to the e-mail address R9AirPermits_SC@epa.gov in order to facilitate your review. Questions regarding the Exide TV final permit may be directed to Marco A. Polo of my staff at (909) 396-2633.

Sincerely,

Andrew Y Lee, P.E.
Senior Engineering Manager
Engineering & Compliance Office

AYL:CDT:TGL.MAP
Enclosures

cc: John Hogarth, Plant Manager, Exide (w/proposed permit revision)
File A/N 554907

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)					
SCRUBBER, PACKED BED, MAPCO, MODEL MW-100-24, WITH 2 FT PACKING,4 IN THICK MESH PAD,CHEVRON TYPE MIST ELIMINATOR,100 HP BLOWER, WIDTH: 11 FT ; HEIGHT: 8 FT 8 IN; LENGTH 20 FT 2 IN A/N: 546551 Permit to Construct Issued: 07/19/13	C165	D1 D2 D3 D4 D5 C172 C175		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 404, 2-7-1986]**	C8.4, D12.12, D182.8, D323.1, E448.10, H116.3, K171.8
MIST ELIMINATOR, HEPA, WITH 16 PREFILTERS, EACH 2 FT W. X 2 FT. L. X 2 INCHES THICK, MAPCO, MODEL MW-100-24, WITH 16 HEPA FILTERS, EACH 2 FT. W. X 2 FT. L. X 11.5 INCHES THICK A/N: 546551 Permit to Construct Issued: 07/19/13	C172	C165 S166		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 404, 2-7-1986]**	D12.14, D182.8, D323.1, E448.1, E448.10, H116.3, K171.8
STACK, HEIGHT: 65 FT ; DIAMETER 3 FT 8 IN A/N: 546551 Permit to Construct Issued: 07/19/13	S166	C172		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**, **PM** (9) **[RULE 404, 2-7-1986]**	D182.8, D381.2, K171.8
ENCLOSURE, BUILDING, RAW MATERIAL PREPARATION SYSTEM, 125 FT W X 329 FT L. X 75 FT H., APPROXIMATE DIMENSIONS WITH A/N: 533202 Permit to Construct Issued: 07/20/12	C175	C156 C157 C165 C191		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM** (9) **[RULE 405, 2-7-1986]**	E448.2
ENCLOSURE, BUILDING, TRUCK LOADING AND UNLOADING, 21 FT W. X 41 FT L. X 17 FT H., APPROXIMATE DIMENSIONS	C191	C165 C175		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	E448.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 4: LEAD SLAG PROCESSING SYSTEM					
HOPPER, WEIGH, CUPOLA FURNACE FEED A/N: 548251 Permit to Construct Issued: 03/27/13	D126	C48		**LEAD** (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
HOPPER, CUPOLA FURNACE FEED, EMERGENCY A/N: 548251 Permit to Construct Issued: 03/27/13	D127			**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FURNACE, CUPOLA, COKE, NATURAL GAS, LEAD SLAG AND LEAD ACID BATTERY SCRAP, 4 MMBTU/HR A/N: 548251 Permit to Construct Issued: 03/27/13	D128	C38 C39 C44	NOX: MAJOR SOURCE**; SOX PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.022 GRAINS/SCF (8A) **[40CFR 60 Subpart L, 12-3-1976]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 3.47 PPMV (3) **[RULE 2011, 12-7-1995; *RULE 2011, 4-9-1999*]**	A63.2, B59.2, B163.2, C1.2, D182.6, D323.1, H116.2, K67.5, K171.6
TAPPING PORT, LEAD A/N: 548251 Permit to Construct Issued: 03/27/13	D129	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: 548251 Permit to Construct Issued: 03/27/13	D130	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N: 548251 Permit to Construct Issued: 03/27/13	D131	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
TAPPING PORT, LEAD SLAG A/N: 548251 Permit to Construct Issued: 03/27/13	D132	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	A63.1, D323.1

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
FUGITIVE EMISSIONS, MISCELLANEOUS, CUPOLA FURNACE THIMBLE, WITH AN AUTOMATIC FEED CHUTE COVER DOOR A/N: 548251 Permit to Construct Issued: 03/27/13	D133	C38 C39 C46		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]**	D323.1, E448.9
System 11: CUPOLA FURNACE FEED ROOM APCS					
CYCLONE, SPENCER, MODEL CH950CB-MOD, HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N: 546549 Permit to Construct Issued: 07/19/13	C159	C160 D161		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M, WITH 75 HP BLOWER, 468 SQ.FT A/N: 546549 Permit to Construct Issued: 07/19/13	C160	C48 C159		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D381.2, E102.1, H116.3
FLOOR SWEEP, 50 TOTAL A/N: 546549 Permit to Construct Issued: 07/19/13	D161	C159		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D323.1
CYCLONE, SPENCER, MODEL CH942CB-MOD, HEIGHT: 6 FT ; DIAMETER: 3 FT 6 IN A/N:	C162	C163 D164		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D323.1, E102.1, H116.3
BAGHOUSE, CENTRAL VACUUM SYSTEM B, SPENCER, MODEL JH9600B8-M, WITH 50 HP BLOWER, 468 SQ.FT A/N	C163	C48 C162		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D381.2, E102.1, H116.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
FLOOR SWEEP, 48 TOTAL A/N:	D164	C162		**LEAD (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM (9) [RULE 404, 2-7-1986]**	D323.1
BAGHOUSE, WITH 300 HP BLOWER, 64000 SQ FT A/N 546549 Permit to Construct Issued 07/19/13	C48	D126 S142 C160 C163 C192		**LEAD (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM (9) [RULE 404, 2-7-1986]**	D12.6, D12.10, D182.7, D381.1, E102.1, H116.1, H116.2, K171.7
DUST COLLECTOR, HEPA, 8 SECTIONS, WITH 72 PRE-FILTERS TOTAL, EACH 2 FT. W. X 2 FT L X 2 INCHES THICK, WITH, 72 HEPA FILTERS TOTAL, EACH 2 FT W. X 2 FT L X 1 FT THICK A/N 546549 Permit to Construct Issued: 07/19/13	C192	C48 S142		**LEAD (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM (9) [RULE 404, 2-7-1986]**	D12.19, D182.7, D323.1, E102.1, E448.1, H116.1, H116.2, K171.7
STACK, HEIGHT: 112 FT ; DIAMETER 7 FT A/N 546549 Permit to Construct Issued: 07/19/13	S142	C48 C192		**LEAD (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM (9) [RULE 404, 2-7-1986]**	D182.5, D182.7, D381.1, K171.5, K171.7

* (1) (1A) (1B) Denotes RECLAIM emission factor
(2) (2A) (2B) Denotes RECLAIM emission rate
(3) Denotes RECLAIM concentration limit
(4) Denotes BACT emission limit
(5) (5A) (5B) Denotes command and control emission limit
(6) Denotes air toxic control rule limit
(7) Denotes NSR applicability limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(9) See App B for Emission Limits
(10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device

FACILITY PERMIT TO OPERATE
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SECTION H: DEVICE ID INDEX

The following sub-section provides an index to the devices that make up the facility description sorted by device ID.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: DEVICE ID INDEX

Device Index For Section H

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C172	1	1	1
C175	1	1	1
C191	1	1	1
C192	4	1	11

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

Rule 1420.1

A. The total facility mass lead emissions from all lead point sources shall not exceed 0.045 pounds of lead per hour.

B. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 10800 LBS IN ANY 30-DAY PERIOD

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D132]

A63.2 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

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The operator shall comply with the terms and conditions set forth below:

[40CFR 60 Subpart L, 12-3-1976]

[Devices subject to this condition : D128]

B. Material/Fuel Type Limits

B59.2 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition no. 163-2, all other types of organic materials including, but not limited to, coal, charcoal, rubber, plastics, paper, rags, oil, grease, or metal contaminated with any of these materials.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990; **RULE 407, 4-2-1982]**

[Devices subject to this condition : D128]

B163.2 The operator shall only use feed materials containing the following:

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The operator shall comply with the terms and conditions set forth below:

ACID FILTERS

ACID DUMP/FILL SOLIDS

BAGHOUSE BAGS

BAGHOUSE DUST

CANS (SCRAP DRUMS)

CAST IRON

CHEESECLOTH FROM PASTING ROLLERS

CARBON COKE

COMBUSTION AIR

DROSS

EMISSION CONTROL SLUDGES, FILTER CAKE RESIDUES AND SOLIDS

ENRICHMENT OXYGEN

FILTER CAKE

GRID METAL, POSTS AND SEPARATORS

INDUSTRIAL BATTERY PLATE GROUPS AND TOPS

LEAD BASED PIGMENT

LEAD BEARING MATERIAL

LEAD OXIDE AND LEAD OXIDE RESIDUES

FACILITY PERMIT TO OPERATE
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The operator shall comply with the terms and conditions set forth below:

LIMEROCK

MILL SCALE

NATURAL GAS

PASTING BELTS

PURCHASED DROSS

SLURRY AND SLURRY SCREENINGS

SCRAP METAL

SHOP ABRASIVES

SILICA

SLAG

SUMP MUD

SWEEPINGS

WASTEWATER TREATMENT FILTER PRESS CLOTHS

WATER TREATMENT SLUDGES, FILTER CAKES, AND RESIDUES

[RULE 1401, 12-7-1990; **RULE 407, 4-2-1982**]

[Devices subject to this condition : D128]

C. Throughput or Operating Parameter Limits

C1.2 The operator shall limit the material processed to no more than 178.32 ton(s) in any one day.

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The operator shall comply with the terms and conditions set forth below:

For the purpose of this condition, material processed shall be defined as the total weight of all materials charged to the cupola furnace. This condition shall not apply to baghouse dust generated on-site.

[**RULE 1303(b)(2)-Offset, 5-10-1996;** RULE 1401, 12-7-1990]

[Devices subject to this condition : D128]

C8.4 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 110 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the scrubber liquid recirculation line, in gallons per minute.

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : C165]

D. Monitoring/Testing Requirements

D12.6 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the bags, in inches water column.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1407, 7-8-1994]

[Devices subject to this condition : C48]

D12.10 The operator shall install and maintain a(n) sensor to accurately indicate the existence of a leak in the the baghouse bags.

[**RULE 1303(a)(1)-BACT, 5-10-1996**]

[Devices subject to this condition : C48]

D12.12 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the scrubber, in inches water column.

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The operator shall comply with the terms and conditions set forth below:

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C165]

D12.14 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the HEPA filter mist eliminator, in inches water column.

The pressure differential across the HEPA filter mist eliminator shall not exceed 3.0 inches water column.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]

[Devices subject to this condition : C172]

D12.19 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the the HEPA filter dust collector, in inches water column.

The pressure differential across the HEPA filter dust collector shall not exceed 4.0 inches water column.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1420, 9-11-1992]

[Devices subject to this condition : C192]

D182.5 The operator shall test this equipment in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

A. The owner or operator shall conduct a source test of all stack outlets serving air pollution control systems controlling sources of lead emissions at least annually to demonstrate compliance with the control standards specified in Rule 1420.1 (f), and with the source test requirements in Rule 1420.1 (k).

B. If the results of the most recent source test for a lead point source demonstrating compliance with the lead emission standard of Rule 1420.1 (f) demonstrate emissions of 0.0025 pounds of lead per hour or less, the next test for that lead point source shall be performed no later than 24 months after the date of the most recent test.

C. The source tests shall measure the emissions of total lead discharged to the atmosphere and shall be performed in triplicate for each stack outlet.

D. The average of triplicate samples, obtained according to approved test methods specified in this condition, shall be used to determine compliance with Rule 1420.1.

E. Source tests shall be conducted while operating at a minimum of 80% of equipment maximum capacity and in accordance with any of the following applicable test methods:

(1) SCAQMD Method 12.1 - Determination of Inorganic Lead Emissions from Stationary Sources Using a Wet Impingement Train.

(2) ARB Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources.

(3) EPA Method 12 - Determination of Inorganic Lead Emissions from Stationary Sources.

(4) ARB Method 436 - Determination of Multiple Metal Emissions from Stationary Sources.

F. The maximum emission rate for any single stack shall not exceed 0.010 pounds of lead per hour.

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The operator shall comply with the terms and conditions set forth below:

G. The total facility and maximum emission rates shall be determined using the most recent source tests conducted by the facility or the District.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : S142]

D182.6 The operator shall test this equipment in accordance with the following specifications:

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The operator shall comply with the terms and conditions set forth below:

A. The following test(s) shall be conducted and a written report submitted to the SCAQMD not later than October 4, 2013.

B. The owner or operator shall conduct a source test of the stack outlets serving the neptune scrubber stack (device S139) and the hard lead baghouse stack (device S140) to determine the emissions to the atmosphere of the following toxic compounds:

Tests shall include, but may not be limited to, a test for:

Total Arsenic

Total Beryllium

Total Cadmium

Total Cobalt

Total Copper

Total Lead

Total Manganese

Total Mercury

Total Nickel

Total Selenium

Total Vanadium

C. The source tests shall be performed simultaneously on the stack outlets of device nos. S139 and S140, and they shall be performed in triplicate for each stack outlet.

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The operator shall comply with the terms and conditions set forth below:

D. The average of triplicate samples, obtained according to approved test methods specified in this condition, shall be used to determine compliance with Rule 1402.

E. Source tests shall be conducted while both the reverberatory furnace of device D119 and the cupola furnace of device D128 are each operating at a minimum of 80%, but not more than 100 percent, of equipment maximum capacity.

F. The operator shall record the total feed rates, each, for both the reverberatory furnace and the cupola furnace for each chronological hour which includes a source test run. This is a separate and special report with regards to the daily process weight reports reported by Exide. This special hourly process weight report shall be included in the final source test report submitted pursuant to this condition.

G. The average, instantaneous process weight recorded for each test run, in tons per hour for each furnace, shall not be less than 80 percent, and no more than 100 percent, of the daily process weight limit for each furnace derived by multiplying the average source test run process weight in tons per hour by 24 hours. The process weight levels required during a set of source test runs shall not exceed the daily process weight limits in this Facility Permit for each furnace.

H. Exide shall plan the availability of feed materials in advance prior to each set of source tests in order to ensure compliance with the requirements in this condition.

I. Exide shall prepare and submit a detailed log of the elemental arsenic additions made to each of the lead refining furnaces vented to the Hard Lead Baghouse of Device C46 during each test run. This special log shall be included as part of the source test report submitted to the SCAQMD.

J. The special log of subpart I of this condition shall record the following information:

Calendar date

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The operator shall comply with the terms and conditions set forth below:

Test run number

Test run start and stop time

Pot furnace identification(s)

Chronological time

Pounds of elemental arsenic charged to each pot furnace

If no elemental arsenic is charged during any of the test runs, a statement from Exide shall be included in the source test report clearly indicating that no arsenic was charged to any of the pot furnaces during these tests.

K. The source tests shall be performed in accordance with ARB Method 436 - Determination of Multiple Metal Emissions from Stationary Sources.

L. Written notice shall be provided to the SCAQMD at least 7 days prior to testing so that an SCAQMD observer may be present during the tests.

M. Sampling facilities shall comply with the attached SCAQMD "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.

N. Exide shall ensure that there are enough personnel available during each test run to collect and report all of the required information as noted in conditions A through N. Written results shall be submitted to the SCAQMD within 30 days after testing.

[RULE 1402, 3-4-2005]

[Devices subject to this condition : D128]

D182.7 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of initial startup of the new HEPA dust collectors.

B) The test(s) shall measure the emissions of total lead at the inlet of the baghouse and the outlet of the HEPA filter dust collector. The tests shall also measure the emissions of total arsenic at the outlet of the HEPA filters. Triplicate source tests shall be conducted simultaneously on the inlet and outlet of this air pollution control system in accordance with the requirements set forth by Rules 1420 (e)(2) and 1420.1 (k).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA dust collector outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of all applicable rules.

D) The operator shall ensure that all eight (8) compartments of the baghouse of device C48 are in operation during these source test runs. If operation of this baghouse is normally performed with only four compartments in operation at any one time, then the operator shall perform separate sets of the triplicate, simultaneous inlet/outlet tests specified in subparts A, B, and C of these conditions for each parallel set of four compartments.

E) The tests shall be conducted while the cupola furnace is operated under normal operating conditions.

F) The source tests shall be performed by a qualified testing laboratory, conducted in accordance with acceptable SCAQMD procedures and monitored by a SCAQMD representative.

G) The Rule 1420 source tests shall be conducted by a qualified testing contractor approved for rule 1420 testing.

H) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

I) Sampling facilities shall comply with the attached SCAQMD guidelines for the construction of sampling and testing facilities, pursuant to rule 217.

J) Written results shall be submitted to the SCAQMD within 60 days after testing.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C48, S142, C192]

D182.8 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) The test(s) shall be conducted and a written report submitted to the SCAQMD not later than 180 days of initial startup of the enclosures for the scrubber and HEPA filters.

B) The test(s) shall measure the emissions of total lead at the inlet of the scrubber and the outlet of the HEPA filters. The tests shall also measure the emissions of total arsenic at the outlet of the HEPA filters. Triplicate source tests shall be conducted simultaneously on the inlet and outlet in accordance with the requirements set forth by Rules 1420 (e)(2) and 1420.1 (k).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the HEPA filter exhaust outlet, pursuant to 40CFR 63 Subpart X. The outlet tests in part B of this condition may be used to fulfill this requirement if equivalency in testing methods can be demonstrated to satisfy the requirements of both rules.

D) The tests shall be conducted while the Raw Material Preparation System is operated under normal operating conditions.

E) The source tests shall be performed by a qualified testing laboratory and conducted in accordance with acceptable SCAQMD procedures.

F) The Rule 1420 source tests shall be conducted by a qualified testing contractor approved for Rule 1420 testing.

G) Written notice shall be provided to the SCAQMD at least 10 days prior to testing so that an SCAQMD observer may be present during the tests, if the SCAQMD decides to have an observer present.

H) Sampling facilities shall comply with the SCAQMD "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.

I) Written results shall be submitted to the SCAQMD within 60 days after testing.

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C165, S166, C172]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or

2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions;

3). Date and time visible emission was abated; and

4). All visible emission observation records by operator or a certified smoke reader.

[RULE 3004(a)(4)-Periodic Monitoring, 8-11-1995]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D126, D127, D128, D129, D130, D131, D132, D133, C159, D161, C162, D164, C165, C172, C192]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions; and

3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C48, S142]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

1). Stack or emission point identification;

2). Description of any corrective actions taken to abate visible emissions; and

3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C160, C163, S166]

E. Equipment Operation/Construction Requirements

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1420, 9-11-1992]

[Devices subject to this condition : C48, C159, C160, C162, C163, C192]

E448.1 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A. The HEPA filters used in this equipment shall be certified, in writing, by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.

B. Copies of the HEPA filter certifications shall be kept and maintained on file for a minimum of 5 years and shall be provided to District personnel upon request.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C172, C192]

E448.2 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Exide shall install and maintain at least three (3) separate pressure differential monitoring systems inside the Total Containment Building so as to measure the negative pressure differential between the internal building atmosphere and the external atmosphere at all times. Each of these systems shall be operated pursuant to the following requirements:

A. Each building pressure differential monitoring system shall be equipped with a continuous chart recorder.

B. A minimum of one (1) building pressure differential monitoring system shall be installed at each of the following three (3) walls in the Total Containment Building.

1. Leeward wall inside of the Total Containment Building in accordance with 40 CFR 63 Subpart X.

2. The inside wall of the building opposite the leeward wall.

3. An inside wall location defined by the intersection of a perpendicular line between this wall and within plus or minus ten (10) meters of the midpoint of a straight line between the two other monitors described in Subparts (B)(1) and (B)(2) of this condition. For the purpose of this condition, the midpoint monitor shall NOT be located on the same walls as any of the other two monitors described in this condition.

C. The total open area of the RPMS total enclosure building shall not exceed 72.9 square feet, except for: solid doors opened during ingress and egress of personnel, and, the maintenance door opened during transport of equipment used for repairs.

D. The outer door on the truck enclosure attached to the RMPS building shall remain closed at all times except for periods of ingress and egress of trucks, trailers, equipment and/or personnel. The outer door on the truck enclosure shall remain closed throughout all periods of cargo loading and/or unloading.

E. The internal floor area, internal surfaces, and external surfaces, of the truck

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

enclosure attached to the RMPS building shall be maintained visibly free of lead contamination, to the maximum extent possible, pursuant to all applicable requirements in the Rule 1420 plan for this facility and with all applicable requirements in Rule 1420.1.

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010]

[Devices subject to this condition : C175]

E448.9 The operator shall comply with the following requirements:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

1) The cupola furnace thimble automatic feed chute cover door shall be installed within 7 days after the issuance of this Permit to Construct.

2) The cupola furnace thimble automatic feed chute cover door shall only be opened during and for the purpose of adding feed material into the cupola furnace. Records shall be kept to demonstrate compliance with this condition.

3) Within 45 days of the issuance of this permit, a door position detection system, consisting of a photoelectric and/or electromechanical sensor, shall be installed at the cupola furnace thimble automatic feed chute cover door so as to indicate the door position as either open or closed.

4) The door position detector (DPD) shall be connected to a data acquisition system (DAS) equipped with either a circular chart recorder or a strip chart recorder. The data acquisition system shall process the information from this system and record the chronological time and duration of each open door event.

5) The time stamps from the DAS shall be synchronized with respect to the time of day, and shall be accurate to within plus or minus 180 seconds.

6) The DAS shall provide an electronic signal to the chart recorder which shall record a step change in amplitude for each open door event, for the duration that the door is open.

7) The DPD sensor and chart recorder device shall be electrically configured to be independent of any digital data acquisition device maintained at this facility for this same purpose.

8) The chart recorder shall be installed in the control room adjacent to the furnace area easily accessible to SCAQMD personnel. Each recorded chart shall be clearly identified with the calendar date(s), starting time, and ending time, that applies to the step marks recorded on each chart. Each chart shall also be signed by the shift supervisor present on duty at the time that the chart paper is replaced in the recorder.

9) A manual verification of proper functionality of the DAS and chart recorder

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

shall be performed every two hours initially until otherwise approved in writing by the SCAQMD. Exide shall record the result of each verification in a unique log readily available to SCAQMD personnel for inspection on a daily basis. The comment section of this log shall provide an explanation of causes and corrective actions taken (if required) in all cases where the DPD, DAS and/or the chart recorder malfunctions.

10) Not later than 30 days after this condition becomes effective, Exide shall submit a revised written Standard Operating Procedure (SOP) for the operation of the Cupola furnace system for SCAQMD approval. The written SOP shall comply with all requirements stated in this permit condition. Exide shall comply with the revised written SOP unless otherwise approved in writing by the SCAQMD.

11) Exide shall submit monthly reports documenting each missing data event, and all operational anomalies associated with the cupola furnace feed chute automatic door cover operation.

12) Each report required by subpart 11 of these conditions shall be submitted electronically to the SCAQMD's Toxics Compliance Team and Refinery and Waste Management Permitting Team not later than the 10th day of the following month, for each month in the first six months following the issue date of this permit, and semiannually thereafter.

13) The semiannual report required by subpart 12 of these conditions, covering January through June, inclusive, shall be submitted not later than August 31 of the same calendar year. The semiannual report covering July through December, inclusive, shall be submitted not later than February 28 of the following calendar year.

14) All hard copy chart records acquired pursuant to this condition shall be scanned on a daily basis into a PDF format file which cannot be edited. Exide shall keep and maintain all records required by this condition, including, but not limited to, malfunction events and recorder charts, in the hard copy and PDF file format.

15) All records required by this condition shall be kept onsite for a minimum of

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

five years and made available to SCAQMD personnel upon request. For those records which are generated in an electronic format, Exide shall comply with this condition by maintaining the hard copy and electronic formats of the records for a minimum of five years.

[RULE 1402, 3-4-2005]

[Devices subject to this condition : D133]

E448.10 The operator shall comply with the following requirements:

1. The minimum distance from the outlet side of the demister mesh pad in the scrubber section of this equipment and the inlet to the HEPA filter housing shall not be less than fifty three (53) inches.

2. Lines or markings and appropriate labels shall be displayed on the exterior housing of this equipment to clearly identify the physical locations of the outlet side of the demister mesh pad in the scrubber section of this equipment and the inlet to the HEPA filter housing.

[**RULE 1303(a)(1)-BACT, 5-10-1996;** RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **RULE 204, 10-8-1993; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C165, C172]

H. Applicable Rules

H116.1 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rules 1407 and 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C48, C192]

H116.2 The operator shall be subject to the requirements stated in Rules 1407 and 1420 in order to comply with these rules whenever this equipment is in operation.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992]

[Devices subject to this condition : C48, D128, C192]

H116.3 The operator shall ensure that the exhaust system conforms to design and operation specifications given in the most current edition of "Industrial Ventilation, Guidelines and Recommended Practices", published by the American Conference of Governmental and Industrial Hygienists (20th edition or thereafter) in order to comply with Rule 1420 whenever the equipment vented by this air pollution control system is in operation.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C159, C160, C162, C163, C165, C172]

K. Record Keeping/Reporting

K67.5 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total amount, in tons, of all materials charged to the cupola furnace each day.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]

[Devices subject to this condition : D128]

K171.5 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the District before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The test plan copies shall be submitted electronically in Adobe pdf file format on digital compact disc, or by email attachment, to the current permit processing engineer assigned to this facility at the time of the source test.

C) The total amount, in tons, of all materials charged to the rotary dryer furnace, the cupola furnace, the refining pot furnaces, and the RMPS battery crusher during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

D) The test plan shall be submitted for District approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in District Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

E) Upon completion of the source tests, a final report shall be submitted to the District not later than 60 days after the source test is completed. The test report shall be submitted electronically in Adobe pdf file format on digital compact disc or by email attachment to the current permit processing engineer assigned to this facility at the time of the source test.

[RULE 1420.1, 11-5-2010]

[Devices subject to this condition : S142]

K171.6 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 30 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The test plan copies shall be submitted electronically in Adobe pdf file format on digital compact disc, or by email attachment, to the current permit processing engineer assigned to this facility at the time of the source test.

C) The total amount, in tons, of all materials charged to the rotary dryer furnace, the cupola furnace, and the refining pot furnaces during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run. Exide shall also include the special data reports required in the source testing condition for this equipment.

D) The test plan shall be submitted for SCAQMD approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

8. Date(s) and time(s) of commencement of the test(s).

E) Upon completion of the source tests, a final report shall be submitted to the SCAQMD not later than 30 days after the source test is completed. The test report shall be submitted electronically in Adobe pdf file format on digital compact disc or by email attachment to the current permit processing engineer assigned to this facility at the time of the source test.

[RULE 1402, 3-4-2005]

[Devices subject to this condition : D128]

K171.7 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the cupola furnace during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) A test plan shall be submitted for SCAQMD approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

D) The source tests shall be completed, and a final report submitted to the SCAQMD, not later than 180 days of initial startup of the new HEPA filter dust collectors. Exide shall notify the SCAQMD of the initial startup of the new equipment not later than 24 hours after the new equipment is fully operational.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C48, S142, C192]

K171.8 The operator shall provide to the District the following items:

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 60 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The total amount, in tons, of all materials charged to the battery crusher during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run.

C) A test plan shall be submitted for SCAQMD approval, and it shall include the following:

1. The identity of the testing laboratory.

2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).

3. A list of contaminants to be tested.

4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.

5. Location of points of sampling.

6. Quality assurance measures.

7. Experience in testing procedures.

8. Date(s) and time(s) of commencement of the test(s).

D) The source tests shall be completed, and a final report submitted to the SCAQMD, not later than 180 days of initial startup of the new scrubber and HEPA filter enclosure. Exide shall notify the SCAQMD of the initial startup of the new equipment not later than 24 hours after the new equipment is fully operational.

FACILITY PERMIT TO OPERATE
EXIDE TECHNOLOGIES

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 1420, 9-11-1992; RULE 1420.1, 11-5-2010; **40CFR 63 Subpart X, 6-23-2003**]

[Devices subject to this condition : C165, S166, C172]

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

ENGINEERING AND COMPLIANCE
APPLICATION PROCESSING AND CALCULATIONS

P/C

COMPANY NAME AND ADDRESS

Exide Technologies
2700 South Indiana Street
Vernon, CA 90058

ID 124838

mailing and equipment address

EQUIPMENT DESCRIPTION

APPLICATION NO. 554906 (previous A/N 548251)

CHANGE OF CONDITION TO THE LEAD SLAG PROCESSING SYSTEM OF A/N 548251.

APPLICATION NO. 554907 (previous A/N 548252)

RECLAIM/TITLE V MINOR PERMIT REVISION

HISTORY

The following table describes the status and description of the submitted applications:

A/N	DATE RECEIVED	CLASS	DESCRIPTION
554906	08/08/2013	I	CHANGE OF CONDITION TO THE CUPOLA FURNACE
554907	08/08/2013	III	RECLAIM/TITLE V MINOR PERMIT REVISION

The table below summarizes the recent permit history regarding the subject equipment:

CUPOLA FURNACE PERMIT UNIT	
554906	Received 8-7-2013. This application is for change of condition to source test condition no. D182.6 by a change in the due date for the final source test report to October 4, 2013.
548251	Received 3-12-2013. This application submitted to install a cover on top of the feed chute which is part of the cupola furnace thimble. This alteration is proposed as one step to reduce arsenic emissions collected by the Hard Lead Baghouse which vents fugitive emissions from the thimble area on top of the cupola furnace. P/C issued 3-28-2013.
307425	Received 9-15-1995 following the end of the stipulated Order For Abatement (O/A) issued under Case No. 3151-3. P/O F10947 issued 12-19-1997.

BACKGROUND & PROCESS EQUIPMENT CONFIGURATION

For background information and detailed process description and configuration, please refer to Revision # 11 of Section H of Exide's Title V permit which was submitted to EPA on March 26, 2013 and, after expedited review, issued by SCAQMD on March 28, 2013 (Refernece Application Nos. 548251 & 548252).

RULES EVALUATION

CEQA

There are no emissions increases resulting from the proposed alterations and change of conditions. Therefore a CEQA evaluation is not required in this case.

RULE 212

There are no emissions increases and no increases in health risk resulting from the proposed alterations and change of conditions. Therefore a Rule 212 public notice is not required in this case.

RULE 401

Operation of the subject equipment is not expected to cause visible emissions in excess of the limits in this rule. Therefore, compliance is expected.

RULE 402

Since the process equipment is vented to baghouses and scrubbers at this facility, nuisance complaints due to dust and odors is not expected during normal operation of the subject equipment at this facility. Any nuisance complaints resulting from process upset conditions (if any) will be handled by SCAQMD Compliance staff.

RULE 404

Previous evaluations have shown compliance with the particulate concentration limits in this rule.

RULE 405

Previous evaluations have shown compliance with the particulate emission limits in this rule.

REGULATION XIII/BACT

Since no emission increases are expected as a result of the proposed alteration, emission offsets and a BACT evaluation are not required in this case.

RULE 1401

There is no health risk increase resulting from this set of applications. Therefore, compliance with this rule is expected.

RULE 1402

The emissions from this facility have resulted in an existing cancer risk greater than 25 in a million and a cancer burden greater than 0.5. These risk levels trigger requirements in Rule 1402 for a Risk Reduction Plan (RRP) which is required to be submitted by Exide within 180 days of the 3-1-2013 SCAQMD HRA letter.

RULE 1420

Previous source tests have demonstrated that all APCS equipment at this facility has at least 98% control efficiency on lead emissions.

RULE 1420.1

This facility is in compliance with all applicable requirements in this rule.

40CFR60 Supart X (LEAD NESHAP)

The total enclosure buildings at this facility are equipped with negative pressure differential gauges to ensure compliance with the total enclosure negative pressure requirements in this rule. The APC systems have been previously tested and found to be in compliance with the lead concentration limits in this rule. Therefore, compliance with the lead NESHAP has been demonstrated.

REGULATION 30, TITLE V

Since the proposed project will not result in any emission increases, the current modification is considered to be a Tile V minor permit revision under this regulation.

CAM

CAM requirements pertain to the requirements of 40 CFR 64, Continuous Assurance Monitoring. The CAM rule contains specific federal monitoring requirements for process equipment which is vented by air pollution control systems where the facilities which are major sources, as defined in Title V (Reg 30). Permit conditions currently ensure compliance with CAM requirements.

DISCUSSION

There are no emission increases expected with regards to the subject permit applications. The proposed project is expected to result in a net decrease in arsenic emissions which will lower the existing cancer risk profile attributed to this facility.

Permit conditions are required to ensure compliance with all applicable Rules and Regulations. Special permit conditions will ensure that the pending source tests will be representative of the emissions profile from this equipment.

RECOMMENDATION

APPLICATION NO. 554907

Approve Title V Facility Permit modification

APPLICATION NO. 554906

Issue Permit to Construct subject to the following Facility Permit modifications and change of conditions in Section H:

1. Add new devices, modify device descriptions, add device connections, and add new permit conditions as indicated in the tables below for the described Processes and Systems, and transfer to Section H all existing conditions:

*(Note: additions and changes are **shaded and indicated in bold type**)*

APPLICATION NO. 554906 LEAD SLAG PROCESSING SYSTEM

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 4: LEAD SLAG PROCESSING SYSTEM)					
HOPPER, WEIGH, CUPOLA FURNACE FEED A/N **554906**	D126	C48		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
HOPPER, CUPOLA FURNACE FEED, EMERGENCY A/N: **554906**	D127			**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FURNACE, CUPOLA, COKE, NATURAL GAS, LEAD SLAG AND LEAD ACID BATTERY SCRAP, 4 MMBTU/HR A/N **554906**	D128	C38 C39 C44	NOX: MAJOR SOURCE**; SOX: PROCESS UNIT**	**CO**: 2000 PPMV (5) **[RULE 407, 4-2-1982]**; **LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**; **PM**: 0.022 GRAINS/SCF (8A) **[40CFR 60 Subpart L, 12-3-1976]**; **PM**: 0.1 GRAINS/SCF (5) **[RULE 409, 8-7-1981]**; **SOX**: 3.47 PPMV (3) **[RULE 2011, 12-7-1995; *RULE 2011, 4-9-1999*]**	A63.2, B59.2, B163.2, C1.2, D323.1, H116.2, K67.5 D182.6 K171.6
TAPPING PORT, LEAD A/N **554906**	D129	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N **554906**	D130	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, CUPOLA TAP A/N **554906**	D131	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
TAPPING PORT, LEAD SLAG A/N **554906**	D132	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, CUPOLA FURNACE THIMBLE, WITH AN AUTOMATIC FEED CHUTE COVER DOOR A/N **554906**	D133	C38 C39 C46		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1 E448.9

2. Add the following new permit conditions to Section H:

(MODIFIED)
D182.6 The operator shall test this equipment in accordance with the following specifications

A. The following test(s) shall be conducted and a written report submitted to the SCAQMD not later than **October 4, 2013**.

B. The owner or operator shall conduct a source test of the stack outlets serving the neptune scrubber stack (device S139) and the hard lead baghouse stack (device S140) to determine the emissions to the atmosphere of the following toxic compounds:

Tests shall include, but may not be limited to, a test for:

Total Arsenic
Total Beryllium
Total Cadmium
Total Cobalt
Total Copper
Total Lead
Total Manganese
Total Mercury
Total Nickel
Total Selenium
Total Vanadium

C. The source tests shall be performed simultaneously on the stack outlets of device nos. S139 and S140, and they shall be performed in triplicate for each stack outlet.

D. The average of triplicate samples, obtained according to approved test methods specified in this condition, shall be used to determine compliance with Rule 1402.

E. Source tests shall be conducted while both the reverberatory furnace of device D119 and the cupola furnace of device D128 are each operating at a minimum of 80%, but not more than 100 percent, of equipment maximum capacity.

F. The operator shall record the total feed rates, each, for both the reverberatory furnace and the cupola furnace for each chronological hour which includes a source test run. This is a separate and special report with regards to the daily process weight reports reported by Exide. This special hourly process weight report shall be included in the final source test report submitted pursuant to this condition.

G. The average, instantaneous process weight recorded for each test run, in tons per hour for each furnace, shall not be less than 80 percent, and no more than 100 percent, of the daily process weight limit for each furnace derived by multiplying the average source test run process weight in tons per hour by 24 hours. The process weight levels required during a set of source test runs shall not exceed the daily process weight limits in this Facility Permit for each furnace.

H. Exide shall plan the availability of feed materials in advance prior to each set of source tests in order to ensure compliance with the requirements in this condition.

I. Exide shall prepare and submit a detailed log of the elemental arsenic additions made to each of the lead refining furnaces vented to the Hard Lead Baghouse of Device C46 during each test run. This special log shall be included as part of the source test report submitted to the SCAQMD.

J. The special log of subpart I of this condition shall record the following information:

Calendar date
Test run number
Test run start and stop time
Pot furnace identification(s)
Chronological time
Pounds of elemental arsenic charged to each pot furnace

If no elemental arsenic is charged during any of the test runs, a statement from Exide shall be included in the source test report clearly indicating that no arsenic was charged to any of the pot furnaces during these tests.

K. The source tests shall be performed in accordance with ARB Method 436 - Determination of Multiple Metal Emissions from Stationary Sources.

L. Written notice shall be provided to the SCAQMD at least 7 days prior to testing so that an SCAQMD observer may be present during the tests.

M. Sampling facilities shall comply with the attached SCAQMD "guidelines for the construction of sampling and testing facilities", pursuant to rule 217.

N. Exide shall ensure that there are enough personnel available during each test run to collect and report all of the required information as noted in conditions A through N. Written results shall be submitted to the SCAQMD within 30 days after testing.

[RULE 1401, 1402]

[Devices subject to this condition : D128, S139, S140]

(EXISTING)
E448.9 The operator shall comply with the following requirements:

1) The cupola furnace thimble automatic feed chute cover door shall be installed within 7 days after the issuance of this Permit to Construct.

2) The cupola furnace thimble automatic feed chute cover door shall only be opened during and for the purpose of adding feed material into the cupola furnace. Records shall be kept to demonstrate compliance with this condition.

3) Within 45 days of the issuance of this permit, a door position detection system, consisting of a photoelectric and/or electromechanical sensor, shall be installed at the cupola furnace thimble automatic feed chute cover door so as to indicate the door position as either open or closed.

4) The door position detector (DPD) shall be connected to a data acquisition system (DAS) equipped with either a circular chart recorder or a strip chart recorder. The data acquisition system shall process the information from this system and record the chronological time and duration of each open door event.

5) The time stamps from the DAS shall be synchronized with respect to the time of day, and shall be accurate to within plus or minus 180 seconds.

6) The DAS shall provide an electronic signal to the chart recorder which shall record a step change in amplitude for each open door event, for the duration that the door is open.

7) The DPD sensor and chart recorder device shall be electrically configured to be independent of any digital data acquisition device maintained at this facility for this same purpose.

8) The chart recorder shall be installed in the control room adjacent to the furnace area easily accessible to SCAQMD personnel. Each recorded chart shall be clearly identified with the calendar date(s), starting time, and ending time, that applies to the step marks recorded on each chart. Each chart shall also be signed by the shift supervisor present on duty at the time that the chart paper is replaced in the recorder.

9) A manual verification of proper functionality of the DAS and chart recorder shall be performed every two hours initially until otherwise approved in writing by the SCAQMD. Exide shall record the result of each verification in a unique log readily available to SCAQMD personnel for inspection on a daily basis. The comment section of this log shall provide an explanation of causes and corrective actions taken (if required) in all cases where the DPD, DAS and/or the chart recorder malfunctions.

10) Not later than 30 days after this condition becomes effective, Exide shall submit a revised written Standard Operating Procedure (SOP) for the operation of the Cupola furnace system for SCAQMD approval. The written SOP shall comply with all requirements stated in this permit condition. Exide shall comply with the revised written SOP unless otherwise approved in writing by the SCAQMD.

11) Exide shall submit monthly reports documenting each missing data event, and all operational anomalies associated with the cupola furnace feed chute automatic door cover operation.

12) Each report required by subpart 11 of these conditions shall be submitted electronically to the SCAQMD's Toxics Compliance Team and Refinery and Waste Management Permitting Team not later than the 10th day of the following month, for each month in the first six months following the issue date of this permit, and semiannually thereafter.

13) The semiannual report required by subpart 12 of these conditions, covering January through June, inclusive, shall be submitted not later than August 31 of the same calendar year. The semiannual report covering July through December, inclusive, shall be submitted not later than February 28 of the following calendar year.

14) All hard copy chart records acquired pursuant to this condition shall be scanned on a daily basis into a PDF format file which cannot be edited. Exide shall keep and maintain all records required by this condition, including, but not limited to, malfunction events and recorder charts, in the hard copy and PDF file format.

15) All records required by this condition shall be kept onsite for a minimum of five years and made available to SCAQMD personnel upon request. For those records which are generated in an electronic format, Exide shall comply with this condition by maintaining the hard copy and electronic formats of the records for a minimum of five years.

[RULE 1401, RULE 1402]

[Devices subject to this condition : D133]

(EXISTING)
K171.6 The operator shall provide to the SCAQMD the following items:

A) Two (2) copies of the test plan shall be submitted to the Refinery and Waste Management Permitting Unit, Engineering and Compliance, not less than 30 calendar days prior to the initial test date and shall be approved by the SCAQMD before the tests commence. The plan shall include the proposed operating conditions of the equipment during each test run.

B) The test plan copies shall be submitted electronically in Adobe pdf file format on digital compact disc, or by email attachment, to the current permit processing engineer assigned to this facility at the time of the source test.

C) The total amount, in tons, of all materials charged to the rotary dryer furnace, the cupola furnace, and the refining pot furnaces during each test run shall be recorded. The measuring period for determining the process weight of throughputs shall include the period during which the test run occurred. This requirement shall apply to each test run. Exide shall also include the special data reports required in the source testing condition for this equipment.

D) The test plan shall be submitted for SCAQMD approval, and it shall include the following:

1. The identity of the testing laboratory.
2. A statement from the testing laboratory certifying it meets the criteria in SCAQMD Rule 304 (k).
3. A list of contaminants to be tested.
4. Testing procedures for each contaminant and a description of all sampling and analytical procedures to be used.
5. Location of points of sampling.
6. Quality assurance measures.
7. Experience in testing procedures.
8. Date(s) and time(s) of commencement of the test(s).

E) Upon completion of the source tests, a final report shall be submitted to the SCAQMD not later than 30 days after the source test is completed. The test report shall be submitted electronically in Adobe pdf file format on digital compact disc or by email attachment to the current permit processing engineer assigned to this facility at the time of the source test.

[RULE 1401, RULE 1402]

[Devices subject to this condition : D128, S139, S140]