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

CHANGES ARE IN INDICATED IN BOLD AND HIGHLIGHTED

APPLICATION NO. 558210

HEPA VACUUM (C193), LEAD ABATEMENT, NILFISK, MODEL GWD 255, 220 CFM RATED.

APPLICATION NO. 558211

HEPA VACUUM (C194), LEAD ABATEMENT, NILFISK, MODEL GWD 255, 220 CFM RATED.

APPLICATION NO. 558212 (Previous A/N 374234)

AIR POLLUTION CONTROL SYSTEM NO. 6 CONSISTING OF:

1. BAGHOUSE **(C47)**, EIGHT COMPARTMENTS, 64,000 SQ. FT. FILTER AREA, WITH EIGHT 2-H.P. SHAKERS AND AN EMERGENCY AIR BLEED-IN DAMPER.

2. **DUST COLLECTOR (C195), HEPA, WITH 8 SECTIONS, WITH 72 PREFILTERS TOTAL, EACH 2'-0"W. X 2'-0"L. X 0'-2"THICK, AND WITH 72 HEPA FILTERS TOTAL, EACH 2'-0"W. X 2'-0"L. X 0'-11.5"THICK.**

3. EXHAUST SYSTEM WITH A 450-H.P. BLOWER VENTING ~~**2 RAM FEEDERS**~~**, A REVERBERATORY FURNACE FEED SCREW CONVEYOR (D197)**, A LEAD TAPPING PORT, 3 LEAD LAUNDERS, A SLAG HANDLING SYSTEM, 7 LEAD POT FURNACES, 7 DROSS HOPPERS, AND A HEAT EXCHANGER CLEANOUT DOOR.

4. EXHAUST STACK **(S141)**, 6'-11"DIA. X 112'-0"H.

APPLICATION NO. 558213 (Previous A/N 501060)

AIR POLLUTION CONTROL SYSTEM NO. 5 CONSISTING OF:

1. BAGHOUSE **(C46)**, EIGHT COMPARTMENTS, 64,000 SQ. FT. FILTER AREA, WITH EIGHT 2-H.P. SHAKERS AND AN EMERGENCY AIR BLEED-IN DAMPER.

2. **DUST COLLECTOR (C196), HEPA, WITH 8 SECTIONS, WITH 72 PREFILTERS TOTAL, EACH 2'-0"W. X 2'-0"L. X 0'-2"THICK, AND WITH 72 HEPA FILTERS TOTAL, EACH 2'-0"W. X 2'-0"L. X 0'-11.5"THICK.**

3. EXHAUST SYSTEM WITH A 450-H.P. BLOWER VENTING ~~**2 RAM FEEDERS**~~**, A REVERBERATORY FURNACE FEED SCREW CONVEYOR (D193)**, A LEAD TAPPING PORT, 2 LEAD LAUNDERS, A SLAG TAPPING PORT, A CUPOLA FURNACE THIMBLE, A ROTARY DRYER ENCLOSURE BUILDING, 7 LEAD POT FURNACES, AND 7 DROSS HOPPERS.

4. EXHAUST STACK **(S140)**, 6'-11"DIA. X 112'-0"H.

APPLICATION NO. 558215

TITLE V FACILITY PERMIT MINOR REVISION

APPLICATION NO. 559500 (PREVIOUS A/N's 374176, 337317)

LEAD SCRAP MELTING SYSTEM NO. 1 CONSISTING OF:

1. FEED HOPPER **(D109)**

2. APRON CONVEYOR **(D112)** WITH A SCAVENGER SCREW CONVEYOR **(D111)**.

3. BACKUP FEED HOPPER **(D110)**

4. BACKUP SCREW CONVEYOR **(D151)**

5. WEIGHBELT CONVEYOR **(D113)**

6. SCREW CONVEYOR, DRYER CHARGING **(D114)**

7. DRYER **(D115)**, LEAD SCRAP, ROTARY TYPE, 6'-0"DIA. X 35'-0"L., INDIRECT FIRED, WITH A 50-H.P. ROTARY DRIVE AND AN EXTERNAL COMBUSTION CHAMBER, 6'-0"DIA. X 10'-0"L., 8,000,000 BTU PER HOUR NATURAL GAS OR LPG FIRED, WITH A 7-1/2-H.P. COMBUSTION AIR BLOWER.

8. SCREW CONVEYOR, DRYER DISCHARGE **(D116)**

9. ~~**TWO RAM FEEDERS, HYDRAULIC (D117, D118)**~~
SCREW CONVEYOR, REVERBERATORY FURNACE CHARGING (D197)

10. FURNACE **(D119)**, LEAD SMELTING, REVERBERATORY TYPE, 19'-0"W. X 39'-5"L. X 12'-9"H., WITH THREE BURNERS, 10,000,000 BTU PER HOUR NATURAL GAS OR LPG FIRED EACH, WITH OXYGEN ENRICHMENT, WITH A LEAD TAP WELL **(D120)**, THREE LAUNDERS **(D121, D122, D123)**, AND A SLAG TAP **(D124)**.

11. COMBUSTION AIR SYSTEM WITH BLOWER.

12. SLAG HANDLING SYSTEM **(D125)**

HISTORY

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

APPL DATE	APPL NO	STATUS	DESCRIPTION
20131114	558210	CLASS I	HEPA VACUUM LEAD ABATEMENT
20131114	558211	CLASS I	HEPA VACUUM LEAD ABATEMENT
20131114	558212	CLASS I	BAGHOUSE C46 ADD HEPA
20131114	558213	CLASS I	BAGHOUSE C47 ADD HEPA
20131114	558215	Plan	RECLAIM/TV MINOR REVISION
20140109	559500	CLASS I	REVERB FURNACE, LEAD SMELTING -ADD SCREW

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

The tables below and on the following pages summarize the recent permit history regarding the subject equipment (note: P/O numbers listed below are only for internal administrative purposes since this is a Title V facility):

HEPA VACUUM, LEAD ABATEMENT	
558210	Received 11/14/2013 to permit a new HEPA vacuum

HEPA VACUUM, LEAD ABATEMENT	
558211	Received 11/14/2013 to permit a new HEPA vacuum

AIR POLLUTION CONTROL SYSTEM NO. 6	
558212	Received 11/14/2013 to add a HEPA filter dust collector to outlet of baghouse.
374234	Application received on 9/14/2000 for C/O. P/O F36715 issued 1/25/2001 to Exide.
333916	Received 11/7/1997, P/O F12344 issued on 2/26/1998 to GNB
123781	Application received on 6/15/1984. P/O M40005 issued on 8/29/1984 to GNB

AIR POLLUTION CONTROL SYSTEM NO. 5	
558213	Received 11/14/2013 to add a HEPA filter dust collector to outlet of baghouse.
501060	Received 7/30/2009 to add additional venting by installing a new exhaust duct from this baghouse to the new rotary dryer total enclosure building. P/C issued 3/30/2010. P/O G14042 issued 6/30/2011.
374194	Application received on 9/14/2000 for C/O. P/O F73819 issued 2/18/2005 to Exide.
123780	Application received on 8/29/1984. P/O M40004 issued on 8/29/1984 to GNB

TITLE V PERMIT REVISION	
558215	Received 11/14/2013 for the Title V minor permit revision covering this project.

LEAD SCRAP MELTING SYSTEM NO. 1	
559500	Received 1-9-2014 to replace the reverberatory furnace ram feeders with a screw conveyor
374176	Received 8/31/2000 for change of ownership/alteration to reverb feed drying system. P/O G12581 issued 3/23/2011.
374246	Received 9/14/2000, P/O F36741 issued to Exide 1/25/2001 for change of ownership
362493	Received 11/30/1999 for feed system alteration by GNB - cancelled
337317	Received 3/4/1998, P/O F17704 issued to GNB on 11/30/1998

PROCESS DESCRIPTION

REVERB FEED SYSTEM

A/N 559500 covers a proposed modification to the reverberatory furnace feed system by the replacement of the two ram feeders which charge the dried feed material discharged by the rotary dryer into the reverberatory furnace. The ram feeders are being replaced with a screw conveyor.

HARD LEAD AND SOFT LEAD BAGHOUSES

A HEPA filter dust collector is being installed on the outlet of the hard lead baghouse which vents emissions from appurtenant equipment associated with the cupola furnace, such as the blast furnace thimble. The purpose of this installation is to increase the particulate control efficiency of the subject baghouse in order to reduce emissions of toxic metals. Metal compounds with negligible vapor pressure, such as lead oxides, will be controlled better with this approach.

The main benefit of this modification will be the secondary layer of protection which will be afforded to each of these baghouses in the event of primary filter failures. The secondary filters will prevent the release of uncontrolled toxic metal emissions in the event of a filter bag failure.

HEPA VACCUUMS

The purpose of the HEPA vacuums is to perform housekeeping activities where dust containing toxic metals, including lead and arsenic, is present. This equipment will enhance the facility's ability to demonstrate ongoing compliance with Rules 1420, 1420.1, and the lead NESHAP of 40CFR63 Subpart X.

EMISSIONS SUMMARY FOR REVERB, DRYER, AND CUPOLA FURNACES

A. Summary of final hourly uncontrolled emissions (R1, lbs/hr):

CONTAMINANT	REVERB	DRYER	REVERB + DRYER
UNROG	0.0446	0.0000	0.0446
ROG	0.0467	0.0560	0.1030
NOx	6.0000	0.9920	6.9900
SOx	59.9000	0.1010	60.0000
CO	3.2800	0.2640	3.5400
PM10	795.0000	70.4000	866.0000
TOG	0.0913	0.0560	0.1470

B. Summary of final hourly controlled emissions (R2, lbs/hr):

CONTAMINANT	REVERB	DRYER	REVERB + DRYER
UNROG	0.0446	0.0000	0.0446
ROG	0.0467	0.0560	0.1030
NOx	6.0000	0.9920	6.9900
SOx	0.4790	0.1010	0.5800
CO	3.2800	0.2640	3.5400
PM10	1.0300	0.0721	1.1100
TOG	0.0913	0.0560	0.1470

C. Summary of uncontrolled emissions (R1, lbs/day)

CONTAMINANT	REVERB	DRYER	REVERB + DRYER
UNROG	1.07	0.00	1.07
ROG	1.12	1.34	2.46
NOx	144.00	23.80	168.00
SOx	1440.00	2.41	1440.00
CO	78.70	6.34	85.00
PM10	19100.00	1690.00	20800.00
TOG	2.19	1.34	3.54

D. Summary of controlled emissions (R2, LBS/DAY)

CONTAMINANT	REVERB	DRYER	REVERB + DRYER
UNROG	1.07	0.00	1.07
ROG	1.12	1.34	2.46
NOx	144.00	23.80	168.00
SOx	11.50	2.41	13.90
CO	78.70	6.34	85.00
PM10	24.80	1.73	26.50
TOG	2.19	1.34	3.54

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). The required risk reduction must be completed no later than 3 years from the initial date of submittal of the RRP. Additional source tests and the proposed equipment modifications are required in conjunction with the RRP.

RULE 1407

Previous source tests on the subject equipment have demonstrated that the lead control efficiency is at least 98 percent. The addition of the HEPA filters will further reduce lead emissions.

RULE 1420

Previous source tests have demonstrated that all APCS equipment at this facility has at least 98% control efficiency on lead emissions. The addition of the HEPA filters will further reduce lead emissions.

RULE 1420.1

Exide has had periodic violations of the 0.15 ug/m^3 lead concentration standard 30 day average in this rule, and several Notice of Violations have been issued to Exide by the SCAQMD as a result of these violations.

This facility is currently in compliance with presently applicable requirements in this rule as of the date of this report.

40CFR63 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. The following APC systems in operation at Exide are subject to CAM requirements. These APC systems have the following conditions associated with them:

APCS	Device ID	REQUIRED CONDITIONS
APCS #1 Reverb furnace baghouse	C40, C41	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
APCS #2 Blast furnace baghouse	C45	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
APCS #5 Hard lead (pot furnace) baghouse	C46	D12.6, D12.7, D12.10, D12.11, D381.1, E102.1, H116.1, H116.2, H116.4, K67.3, E193.1
APCS #6 Soft lead (pot furnace) baghouse	C47	D12.6, D12.7, D12.10, D12.11, D381.1, E102.1, H116.1, H116.2, H116.4, K67.3, E193.1
Rotary dryer baghouse	C144	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
Blast/Reverb Furnace Common Stack Outlet	S139	A63.1, D82.1, D323.1, K67.9

RECOMMENDATION

APPLICATION NO. 558215

Approve Title V Facility Permit modification

APPLICATION NOS. 558210, 558211, 558212, 558213, 559500

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 following pages for the described Processes and Systems, and transfer to Section H all existing conditions:

Please refer to the draft Facility Permit for condition language regarding all existing conditions

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

APPLICATION NOS. 558210, 558211

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 3: WASTE HANDLING					
System 12: PORTABLE VACUUM SWEEPING SYSTEM					
FLOOR SWEEP, HEPA VACUUM, LEAD ABATEMENT, NILFISK, MODEL GWD220, CANISTER TYPE, 20 GALLON CAPACITY, 220 CFM RATED A/N: 558210	**C193**			**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	E448.4, K171.3
FLOOR SWEEP, HEPA VACUUM, LEAD ABATEMENT, NILFISK, MODEL GWD220, CANISTER TYPE, 20 GALLON CAPACITY, 220 CFM RATED A/N: 558211	**C194**			**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	E448.4, K171.3

APPLICATION NO. 558212

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 9: REVERBERATORY AND SOFT LEAD REFINERY FURNACES APCS					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. **A/N: 558212**	C47	D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D120 D121 D122 D123 D124 D125 S141 D149 **C195, D197**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.6, D12.10, D12.11, **D182.9** D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3 **K171.9**
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: 558212**	**C195**	**C47 S141**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.19 **D182.9** D323.1 E102.1 E448.1 H116.1 H116.2 **K171.9**
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN **A/N: 558212**	S141	**C195**			**D182.9** D381.1 **K171.9**

APPLICATION NO. 558213

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 8: CUPOLA AND HARD LEAD REFINERY FURNACES APCS					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. **A/N: 558213**	C46	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D129 D130 D131 D132 D133 C177 **C196**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.6, D12.7, D12.10, D12.11, **D182.10** D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3 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: 558213**	**C196**	**C46 S140**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]**	D12.19 **D182.10** D323.1 E102.1 E448.1 H116.1 H116.2 K171.7
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN **A/N: 558213**	S140	**C196**			**D182.10** D381.1 K171.7

APPLICATION NO. 559500

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: SECONDARY METALS, LEAD SMELTING PROCESS					
System 3: LEAD SMELTING SYSTEM					
CONVEYOR, SCREW, FEED **A/N: 559500**	**D197**	**C38 C39 C47**		**LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]**	D323.1
FURNACE, REVERBATORY, NATURAL GAS, LEAD ACID BATTERY SCRAP, 30 MMBTU/HR **A/N: 559500**	D119	C38 C39 D135	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, B59.1, B163.1, C1.3, C1.4, C303.1, D12.2, D12.3, D12.4, D12.8, D323.1, H116.2, K67.11
TAPPING PORT, LEAD **A/N: 559500**	D120	C38 C39 C47		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 559500**	D121	C38 C39 C47		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 559500**	D122	C38 C39 C47		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
LAUNDER, LEAD, REVERB TAP **A/N: 559500**	D123	C38 C39 C47		**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: 559500**	D124	C38 C39 C47		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, SLAG HANDLING SYSTEM **A/N: 559500**	D125	C38 C39 C47		**LEAD**: (10) **[40CFR 63 Subpart X, #01, 1-29-1999]**; **PM**: (9) **[RULE 405, 2-7-1986]**	D323.1

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

(NEW)

D182.9 The operator shall test this equipment in accordance with the following specifications:

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, benzene and 1,3-butadiene 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 tests shall be conducted while the baghouse of device C47 is operated under normal operating conditions.

E) The tests shall be conducted while the reverberatory 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.

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, RULE 1420, RULE 1420.1, 40CFR 63 Subpart X]

[Devices subject to this condition : C47, S141, C195]

(NEW)

D182.10 The operator shall test this equipment in accordance with the following specifications:

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, benzene and 1,3-butadiene 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 tests shall be conducted while the baghouse of device C46 is operated under normal operating conditions.

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.

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, RULE 1420, RULE 1420.1, 40CFR 63 Subpart X]

[Devices subject to this condition : C46, S140, C196]

(NEW)
K171.9 The operator shall provide to the District the following items:

A) Two (2) copies of the test plan shall be submitted to the Energy/Public Services/Waste Management/Terminals 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 reverberatory 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.

[RULE 1407 RULE 1420, RULE 1420.1, 40CFR 63 Subpart X]

[Devices subject to this condition : C47, S141, C195]