



## FACILITY PERMIT TO OPERATE

**EXIDE TECHNOLOGIES  
2700 S INDIANA ST  
VERNON, CA 90058**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
for Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

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**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** EXIDE TECHNOLOGIES

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 2700 S INDIANA ST  
VERNON, CA 90058

**MAILING ADDRESS:** 2700 S INDIANA ST  
VERNON, CA 90058

**RESPONSIBLE OFFICIAL:** COREY VODVARKA

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (323) 262-1101

**CONTACT PERSON:** COREY VODVARKA

**TITLE:** PLANT MANAGER

**TELEPHONE NUMBER:** (323) 262-1101

**TITLE V PERMIT ISSUED:** March 25, 2011

**TITLE V PERMIT EXPIRATION DATE:** March 24, 2016

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>YES</b>
	<b>SOx:</b>	<b>YES</b>
	<b>CYCLE:</b>	<b>1</b>
	<b>ZONE:</b>	<b>COASTAL</b>



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC <sup>1</sup> Holding as of 03/25/2011 (pounds)	Non-Tradable <sup>2</sup> Non-Usable RTCs (pounds)
Begin (month/year)	End				
7/2008	6/2009	Coastal	0	0	0
1/2009	12/2009	Coastal	65633	0	3544
7/2009	6/2010	Coastal	0	26100	0
1/2010	12/2010	Coastal	65633	37138	5316
1/2011	12/2011	Coastal	65633	50866	7088
1/2012	12/2012	Coastal	65633	50866	7088
1/2013	12/2013	Coastal	65633	50866	7088
1/2014	12/2014	Coastal	65633	50866	7088
1/2015	12/2015	Coastal	65633	50866	7088
1/2016	12/2016	Coastal	65633	50866	7088
1/2017	12/2017	Coastal	65633	50866	7088
1/2018	12/2018	Coastal	65633	50866	7088
1/2019	12/2019	Coastal	65633	50866	7088
1/2020	12/2020	Coastal	65633	50866	7088
1/2021	12/2021	Coastal	65633	50866	7088
1/2022	12/2022	Coastal	65633	50866	7088
1/2023	12/2023	Coastal	65633	50866	7088

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	NO <sub>x</sub> RTC Initially Allocated	NO <sub>x</sub> RTC <sup>1</sup>	Non-Tradable <sup>2</sup>
			Holding as of 03/25/2011 (pounds)	Non-Usable RTCs (pounds)
1/2024 12/2024	Coastal	65633	50866	7088
1/2025 12/2025	Coastal	65633	50866	7088
1/2026 12/2026	Coastal	65633	50866	7088

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



**FACILITY PERMIT TO OPERATE  
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**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of SOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

**RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)**

Year Begin End (month/year)	Zone	SOx RTC Initially Allocated	SOx RTC <sup>1</sup> Holding as of 03/25/2011 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
1/2009 12/2009	Coastal	102996	2716	
1/2010 12/2010	Coastal	102996	102996	
1/2011 12/2011	Coastal	102996	102996	
1/2012 12/2012	Coastal	102996	102996	
1/2013 12/2013	Coastal	102996	102996	
1/2014 12/2014	Coastal	102996	102996	
1/2015 12/2015	Coastal	102996	102996	
1/2016 12/2016	Coastal	102996	102996	
1/2017 12/2017	Coastal	102996	102996	
1/2018 12/2018	Coastal	102996	102996	
1/2019 12/2019	Coastal	102996	102996	
1/2020 12/2020	Coastal	102996	102996	
1/2021 12/2021	Coastal	102996	102996	
1/2022 12/2022	Coastal	102996	102996	
1/2023 12/2023	Coastal	102996	102996	
1/2024 12/2024	Coastal	102996	102996	
1/2025 12/2025	Coastal	102996	102996	

**Footnotes:**

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of SO<sub>x</sub> RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total SO<sub>x</sub> emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

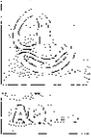
The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

#### RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year Begin End (month/year)	Zone	SO <sub>x</sub> RTC Initially Allocated	SO <sub>x</sub> RTC <sup>1</sup> Holding as of 03/25/2011 (pounds)	Non-Tradable <sup>2</sup> Credits (NTCs) (pounds)
1/2026 12/2026	Coastal	102996	102996	

#### Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.



**FACILITY PERMIT TO OPERATE  
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**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable Credits(NTC)
Begin	End		Starting Allocation	
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	120555	0



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### SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase in an annual allocation to a level greater than the facility's starting Allocation plus Non-Tradable credits as listed below, the application will be evaluated for compliance with Rule 2005 (c)(4). Rule 2005 (e) - Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	SOx RTC	Non-Tradable
Begin	End		Starting Allocation	Credits(NTC)
(month/year)			(pounds)	(pounds)
1/1994	12/1994	Coastal	163915	0



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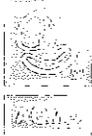
**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
<b>System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)</b>					
HAMMERMILL, LEAD ACID BATTERY A/N: 374198	D1	C165		PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, HAMMERMILL FEED A/N: 374198	D2	C165		PM: (9) [RULE 405, 2-7-1986]	D323.1
TANK, HOLDING, MUD A/N: 374198	D3	C165		PM: (9) [RULE 405, 2-7-1986]	
TANK, HOLDING, MUD A/N: 374198	D4	C165		PM: (9) [RULE 405, 2-7-1986]	
TANK, HOLDING, MUD A/N: 374198	D5	C165		PM: (9) [RULE 405, 2-7-1986]	
SCRUBBER, PACKED BED, MAPCO, MODEL MW-100-24, WITH 2 FT PACKING, 4 IN THICK MESH PAD, CHEVRON TYPE MIST ELIMINATOR, 40 HP BLOWER, WIDTH: 11 FT 2 IN; HEIGHT: 8 FT 3 IN; LENGTH: 15 FT A/N:	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, D323.1, H116.3
FILTER, HEPA, WITH 16 HEPA FILTERS, MIDWEST AIR PRODUCTS, MODEL MW-100-24, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N:	C172	C165 S166		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.14, D323.1, H116.3
STACK, HEIGHT: 65 FT ; DIAMETER: 3 FT 8 IN A/N:	S166	C172		PM: (9) [RULE 404, 2-7-1986]	D381.2
<b>System 2: FEED DRYING SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1 - SECONDARY METALS, LEAD SMELTING PROCESS</b>					
HOPPER, DRYER FEED A/N: 374176	D109	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, DRYER FEED, BACKUP A/N: 374176	D110	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SCAVENGER A/N: 374176	D111	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, APRON TYPE A/N: 374176	D112	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, BACKUP A/N: 374176	D151	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, BELT, WEIGHING A/N: 374176	D113	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, DRYER CHARGING A/N: 374176	D114	C143		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
DRYER, ROTARY, NATURAL GAS, FEED DRYING, 8 MMBTU/HR A/N: 374176	D115	C143	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.005 LBS/TON MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	B295.1, C6.1, D12.8, D323.1, H116.2, K67.10

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
CONVEYOR, SCREW, DRYER DISCHARGE A/N: 374176	D116	C143		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CYCLONE, HEIGHT: 17 FT 7 IN; DIAMETER: 5 FT 10 IN A/N: 374221	C143	D114 D115 D116 C144		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, WITH 100-H.P. BLOWER, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 5881 SQ.FT.; 312 BAGS A/N:	C144	C143 S145		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
STACK, HEIGHT: 69 FT ; DIAMETER: 3 FT A/N:	S145	C144			D381.1
<b>System 3: LEAD SMELTING SYSTEM</b>					
FEEDER, RAM TYPE A/N: 374176	D117	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
FEEDER, RAM TYPE A/N: 374176	D118	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
FURNACE, REVERBATORY, NATURAL GAS, LEAD ACID BATTERY SCRAP, 30 MMBTU/HR A/N: 374176	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: 374176	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: 374176	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: 374176	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: 374176	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: 374176	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: 374176	D125	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 4: LEAD SLAG PROCESSING SYSTEM</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
HOPPER, WEIGH, CUPOLA FURNACE FEED A/N: 374225	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: 374225	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: 374225	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
TAPPING PORT, LEAD A/N: 374225	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: 374225	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: 374225	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: 374225	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 A/N: 374225	D133	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
<b>System 5: LEAD METAL REFINING SYSTEM</b>					
FURNACE, POT, NO. 1, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374206	D7	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374206	D8	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 2, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374208	D9	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374208	D10	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 3, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374210	D11	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374210	D12	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 4, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374211	D13	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374211	D14	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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

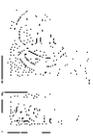
### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 5, NATURAL GAS, SPECIALTY LEAD, 2.5 MMBTU/HR A/N: 374212	D15	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374212	D16	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, A, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374199	D17	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374199	D18	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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

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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, B. NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 374200	D19	C38 C39 C46	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374200	D20	C38 C39 C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 6, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N:	D24	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N:	D25	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 7, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N:	D26	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N:	D27	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

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

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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process F: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 8, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N:	D28	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N:	D29	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 9, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N:	D30	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N:	D31	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, G, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 374204	D32	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374204	D33	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process L SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, E, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 374201	D34	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374201	D35	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, F, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 374202	D36	C38 C39 C47	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
HOPPER, DUMP, DROSS A/N: 374202	D37	C38 C39 C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 6: FUGITIVE DUST CONTROL SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., NORTH TORIT, MODEL DFT-4-208, MODEL HIGH EFFICIENCY CARTRIDGE TYPE, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN BAG DETECTOR A/N: 374226	C38	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1
BAGHOUSE, WITH 208 CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., SOUTH TORIT, HIGH EFFICIENCY CARTRIDGE TYPE, MODEL DFT-4-208, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN BAG DETECTOR A/N:	C39	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D381.1, E71.2, E71.3, E102.1, E193.1, H116.2, H116.4, K67.1

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits

(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
<b>System 7: REVERBERATORY AND CUPOLA FURNACE APCS</b>					
TOWER, QUENCH CHAMBER, WATER SPRAY TYPE, HEIGHT: 61 FT ; DIAMETER: 10 FT WITH A/N: 374231	D135	D119 D136		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
FUGITIVE EMISSIONS, MISCELLANEOUS, QUENCH CHAMBER CLEANOUT DOOR	D149	C47		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, REVERB FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH A/N: 374231	D136	D135 D137		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, BALLOON TYPE FLUE COOLER, SECTION 1, REVERB FURNACE EXHAUST GAS, 66 IN. W., 48 FT. L., 9 FT. H. A/N: 374231	D137	D136 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, BALLOON-TYPE FLUE COOLER, SECTION 2, REVERB FURNACE EXHAUST GAS, 48 IN. W., 66 FT. L., 6 FT. H. A/N: 374231	D138	C40 C41 D137		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
AFTERBURNER, NATURAL GAS, WITH 20 HP COMBUSTION AIR BLOWER AND A 250 HP EXHAUST BLOWER, 10 MMBTU/HR A/N: 374180	C44	C45 D128	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.1, C8.8, D323.1, H116.2, K67.8

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
TANK, CUPOLA JACKET COOLING, THERMOSIPHON A/N: 374180	D134	D183			
HEAT EXCHANGER, CUPOLA FURNACE EXHAUST GAS, A-PIPE TYPE, 49 IN. OUTSIDE DIA., 130 FT. TOTAL LENGTH A/N: 374180	D183	D134 D173		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
HEAT EXCHANGER, U-TUBE COOLER, FIVE SECTION, WITH 2 HOPPERS, A TUBE BYPASS, A TUBE DAMPER VALVE, AND A HOPPER BY-PASS WITH A DAMPER A/N: 374180	D173	C174 D183		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1
CYCLONE, DIAMETER: 4 FT 9 IN A/N: 374180	C174	C45 D173		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS A/N: 374231	C40	C42 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 21362 SQ.FT.; 510 BAGS A/N: 374231	C41	C42 D138		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
BAGHOUSE, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 22620 SQ.FT. A/N: 374180	C45	C42 C44 C174		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.3, D12.5, D12.6, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
SCRUBBER, VENTURI, HEIGHT: 13 FT 9 IN; DIAMETER: 4 FT A/N: 374180	C42	C40 C41 C43 C45		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]	C8.2, C8.3, C8.5, C8.6, C8.7, D323.1, H116.2, K67.7
SCRUBBER, TRAY, WITH 450 HP BLOWER, HEIGHT: 30 FT 9 IN; DIAMETER: 8 FT 6 IN A/N: 374180	C43	C42 S139		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: (10) [40CFR 63 Subpart X, #01, 1-29-1999]	C8.2, C8.3, C8.5, C8.6, C8.7, D323.1, H116.2, K67.7
STACK, COMMON TO REVERB AND CUPOLA, HEIGHT: 112 FT ; DIAMETER: 3 FT 7 IN A/N: 374231	S139	C43			A63.1, D82.1, D323.1, K67.9
<b>System 8: CUPOLA AND HARD LEAD REFINERY FURNACES APCS</b>					

- |  |   |
|--|---|
| * (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. A/N:	C46	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D129 D130 D131 D132 D133 S140		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN A/N: 374194	S140	C46			D381.1
<b>System 9: REVERBERATORY AND SOFT LEAD REFINERY FURNACES APCs</b>					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. A/N: 374234	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		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D12.11, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3
STACK, HEIGHT: 112 FT ; DIAMETER: 6 FT 11 IN A/N: 374234	S141	C47			D381.1
<b>System 10: REVERB FURNACE FEED ROOM APCs</b>					
BAGHOUSE, NO. 1, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N:	C156	D109 D110 D111 D112 D113 D151 S158		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.7, D12.10, D381.1, 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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
BAGHOUSE, NO. 2, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N:	C157	D109 D110 D111 D112 D113 D151 S158		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.7, D12.10, D381.1, E102.1, H116.3
STACK, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N:	S158	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.1
<b>System 11: CUPOLA FURNACE FEED ROOM APCs</b>					
CYCLONE, SPENCER, MODEL CH950CB-MOD, HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N:	C159	C160 D161		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D323.1, E102.1, H116.1
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M, WITH 75 HP BLOWER, 468 SQ.FT. A/N:	C160	C48 C159		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.2, E102.1, H116.1
FLOOR SWEEP, 50 TOTAL A/N:	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
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

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

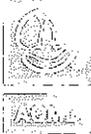
### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 1: SECONDARY METALS LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH 300 HP BLOWER, 64000 SQ.FT. A/N:	C48	D126 S142 C160 C163		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D381.1, E102.1, H116.1, H116.2
STACK, HEIGHT: 112 FT ; DIAMETER: 7 FT A/N:	S142	C48			D381.1
<b>Process 3: WASTE HANDLING</b>					
<b>System 1: REVERBERATORY FURNACE DUST CONVEYING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D58			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D59			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D60			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D61			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D62			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D63			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D64			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D65			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D66			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D67			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D68			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D69			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 2: CUPOLA FURNACE DUST CONVEYING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D74			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D75			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D76			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D77			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D78			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D79			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D80			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D81			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D82			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 3: HARD LEAD DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST, HARD LEAD A/N: 374247	D83			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST, HARD LEAD A/N: 374247	D84			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 4: SOFT LEAD DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D85			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D86			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, SOFT LEAD, DUST, MUD A/N: 374247	D87			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 5: CUPOLA FURNACE FEED ROOM DUST COLLECTING SYSTEM</b>					

\* (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D88			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D89			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 6: REVERB FURNACE FEED ROOM DUST COLLECTING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374225	D154			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374225	D155			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 7: SUMP SLURRY HANDLING SYSTEM</b>					
SUMP, SLURRY, DUST, MUD A/N: 374247	D90			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
SUMP, SLURRY, DUST, MUD A/N: 374247	D91			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 8: DUST TRANSFER CONVEYING SYSTEM</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D92			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D93			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D94			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 3: WASTE HANDLING</b>					
CONVEYOR, SCREW, MUD, DUST A/N: 374247	D95			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 9: REVERBERATORY FURNACE FEEDER PIT SYSTEM</b>					
PUMP, MUD, DUST A/N: 374247	D96			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>System 10: KETTLE GALLERY SUMP SYSTEM</b>					
PUMP, MUD, DUST A/N: 374247	D152			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
PUMP, MUD, DUST A/N: 374247	D153			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	D323.1
<b>Process 4: BULK MATERIALS HANDLING AND PROCESSING</b>					
<b>System 1: BULK MATERIALS STORAGE SYSTEM</b>					
STORAGE SILO, NORTH, SODIUM CARBONATE, DUST, HEIGHT: 28 FT ; DIAMETER: 25 FT A/N: 374197	D97	C98		PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1
BAGHOUSE, FILTER VENT, 295 SQ.FT. A/N: 374197	C98	D97		PM: (9) [RULE 404, 2-7-1986]	D381.2
<b>Process 6: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E147				H23.1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E148			ROG: (9) [RULE 1171, 6-13-1997; RULE 1171, 10-8-1999]	H23.2

- \* (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 D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
<b>Process 6: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E150			<b>ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 5-14-1999; RULE 1171, 6-13-1997; RULE 1171, 10-8-1999]</b>	K67.4

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



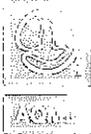
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## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

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### **SECTION D: 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 D: DEVICE ID INDEX**

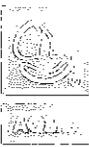
Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D3	1	1	1
D4	1	1	1
D5	1	1	1
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D8	6	1	5
D9	7	1	5
D10	7	1	5
D11	8	1	5
D12	8	1	5
D13	9	1	5
D14	9	1	5
D15	10	1	5
D16	10	1	5
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D18	11	1	5
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D24	13	1	5
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D26	14	1	5
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D29	15	1	5
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D31	16	1	5
D32	17	1	5
D33	17	1	5
D34	18	1	5
D35	18	1	5
D36	19	1	5
D37	19	1	5
C38	20	1	6
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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: DEVICE ID INDEX

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C44	21	1	7
C45	23	1	7
C46	24	1	8
C47	24	1	9
C48	26	1	11
D58	26	3	1
D59	26	3	1
D60	26	3	1
D61	26	3	1
D62	26	3	1
D63	26	3	1
D64	26	3	1
D65	27	3	1
D66	27	3	1
D67	27	3	1
D68	27	3	1
D69	27	3	1
D74	27	3	2
D75	27	3	2
D76	27	3	2
D77	27	3	2
D78	27	3	2
D79	28	3	2
D80	28	3	2
D81	28	3	2
D82	28	3	2
D83	28	3	3
D84	28	3	3
D85	28	3	4
D86	28	3	4
D87	28	3	4



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D89	29	3	5
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D91	29	3	7
D92	29	3	8
D93	29	3	8
D94	29	3	8
D95	30	3	8
D96	30	3	9
D97	30	4	1
C98	30	4	1
D109	2	1	2
D110	2	1	2
D111	2	1	2
D112	2	1	2
D113	2	1	2
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D122	4	1	3
D123	4	1	3
D124	4	1	3
D125	4	1	3
D126	5	1	4
D127	5	1	4
D128	5	1	4
D129	5	1	4
D130	5	1	4
D131	5	1	4
D132	5	1	4



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: DEVICE ID INDEX

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**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION D: DEVICE ID INDEX**

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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[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 : S139]

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

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, D119, D128]

#### **B. Material/Fuel Type Limits**

B59.1 The operator shall not use the following material(s) in this device :

With the exception of the specific materials listed in condition no. 163-1, 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 : D119]

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]

B163.1 The operator shall only use feed materials containing the following:



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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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

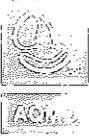
GRID METAL, POSTS AND SEPARATORS

INDUSTRIAL BATTERY PLATE GROUPS AND TOPS

LEAD BASED PIGMENT

LEAD BEARING MATERIAL

LEAD OXIDE AND LEAD OXIDE RESIDUES



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

LIMEROCK

MILL SCALE

NATURAL GAS

PASTING BELTS

PURCHASED DROSS

PLASTIC AND RUBBER FROM SCRAP BATTERIES

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]

[Devices subject to this condition : D119]



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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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

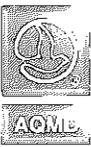
GRID METAL, POSTS AND SEPARATORS

INDUSTRIAL BATTERY PLATE GROUPS AND TOPS

LEAD BASED PIGMENT

LEAD BEARING MATERIAL

LEAD OXIDE AND LEAD OXIDE RESIDUES



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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

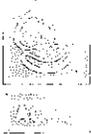
WASTEWATER TREATMENT FILTER PRESS CLOTHS

WATER TREATMENT SLUDGES, FILTER CAKES, AND RESIDUES

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

[Devices subject to this condition : D128]

**B295.1** For the purpose of SOX RECLAIM emission factor, the material shall be defined as the amount of feed material charged to the rotary dryer.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]

[Devices subject to this condition : D115]

B295.2 For the purpose of NOX RECLAIM emission factor, the material shall be defined as the amount of sodium nitrate added.

[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

B295.3 For the purpose of SOX RECLAIM emission factor, the material shall be defined as the amount of sulfur added.

[RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

#### **C. Throughput or Operating Parameter Limits**

C1.1 The operator shall limit the operation to no more than 130 tons in any one day.

For the purpose of this condition, operation shall be defined as sodium carbonate received in the storage bin.

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



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D97]

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

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]

- C1.3 The operator shall limit the material processed to no more than 439.2 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total weight of all materials charged to the reverberatory furnace. This total weight shall be the same as the total weight of all materials charged to the rotary dryer furnace.

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

[Devices subject to this condition : D119]

- C1.4 The operator shall limit the material processed to no more than 21.5 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the combined total amount of carbon coke and "additional plastic and rubber" charged to the reverberatory furnace. For the purpose of this condition, "additional plastic and rubber" shall be defined as the amount of plastic and rubber material which is capable of being separated by the raw material preparation system.

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



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D119]

- C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 1500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the burner end of the rotary dryer furnace, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : D115]

- C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

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



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : C144]

C6.3 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 500 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 10 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C40, C41, C45]

C8.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1736 Deg F.

A) To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the afterburner serving the cupola, in degrees Fahrenheit.

B) The operator shall also install and maintain a device to continuously record the parameter being measured.

C) The measuring device or gauge shall be accurate to within plus or minus 52 degrees Fahrenheit. It shall be calibrated once every 12 months.

D) The temperature limit in this condition shall not apply during periods of start-up or shut down. During start-up or shutdown, the operator shall comply with condition no. C8.8



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]**

[Devices subject to this condition : C44]

**C8.2** The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 280 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the liquid supply lines to the venturi scrubber and the tray-type scrubber, in gallons per minute.

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

[Devices subject to this condition : C42, C43]

**C8.3** The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 7 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH in the recirculation tank serving the scrubber.

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

[Devices subject to this condition : C42, C43]

**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.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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]

C8.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 20 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the cupola furnace only.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : C42, C43]

C8.6 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 26 inches water column.

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the reverberatory furnace only.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : C42, C43]

C8.7 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 36 inches water column.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

To comply with this condition, the operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the venturi scrubber and the tray-type scrubber, in total inches water column.

This condition shall only apply when this equipment serve the cupola and the reverberatory furnaces simultaneously.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]

[Devices subject to this condition : C42, C43]

C8.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, is not less than 1400 Deg F.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- A) The temperature limit in this condition shall apply only during periods of start-up or shut down. During normal operation, the operator shall comply with condition no. C8.1
- B) To comply with this condition, the operator shall install and maintain a secondary temperature gauge to accurately indicate the temperature in the afterburner serving the cupola furnace, in degrees Fahrenheit.
- C) For the purpose of this condition, the secondary temperature gauge shall be located at a distance not less than four (4.00) feet downstream of the burner location in the afterburner combustion chamber.
- D) For the purpose of this condition, the secondary temperature gauge may be either a fixed installation, a mechanically retractable installation, and/or a manually retractable installation.
- E) The operator shall also install and maintain a device to continuously record the parameter being measured.
- F) The measuring device or gauge shall be accurate to within plus or minus 42 degrees Fahrenheit. It shall be calibrated once every 12 months.
- G) During startup or shutdown of the cupola furnace, the temperature readings of the secondary gauge described in this condition shall be recorded continuously whenever the primary temperature gauge indicates a temperature of less than 1400 Degrees Fahrenheit.
- H) During cold startup of the cupola furnace, the secondary temperature gauge shall indicate at least 1400 Degrees Fahrenheit prior to the initiation of any combustion activity in the cupola furnace.
- I) During shutdown of the cupola furnace, the secondary temperature gauge shall indicate at least 1400 Degrees Fahrenheit until all combustion activity in the cupola furnace has ceased.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

J) During periods of breakdown or malfunction, the operator shall comply with the breakdown and notification requirements in Rule 430. In addition, when a breakdown or malfunction of this equipment results in a event which results in non-compliance with the temperature limit in condition nos. C8.1 and C8.8, the operator shall file a Title V deviation report in accordance with the provisions of Rule 3004.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990; RULE 407, 4-2-1982]

[Devices subject to this condition : C44]

C303.1 The operator shall limit oxygen enrichment percent to between the amount specified by the following equation:  $OE = (OF \times 100) / (OF + AF)$

where:

- OE = oxygen enrichment percent.
- OF = standard cubic feet of gaseous oxygen supplied to a set of burners in any one day.
- AF = standard cubic feet of air supplied to a set of burners in any one day.
- and where the value of OE is limited to the following amount:
- for the reverberatory furnace, OE = 2.0 to 13.0 percent.

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

[Devices subject to this condition : D119]

#### D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the cartridge filters.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

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

[Devices subject to this condition : C38, C39]

- D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the oxygen gas supply line to this equipment, in total standard cubic feet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

- D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the pressure in the oxygen gas supply line to this equipment, in pounds per square inch.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]

- D12.4 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the combustion air supply line to this equipment, in total standard cubic feet.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D119]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

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

[Devices subject to this condition : C40, C41, C45, C144]

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 : C40, C41, C45, C46, C47, C48, C144, C156, C157]

D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C156, C157]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

D12.8 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the natural gas supply line to this equipment, in standard cubic feet.

[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, D115, D119]

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 : C46, C47, C48, C156, C157]

D12.11 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C40, C41, C45, C46, C47]

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.

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

[Devices subject to this condition : C165]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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]

D12.17 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the cartridge filters, in inches water column.

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

[Devices subject to this condition : C38, C39]

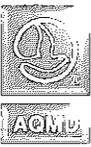
D82.1 The operator shall install and maintain a CEMS to measure the following parameters:

NOX concentration in ppmv

CO concentration in ppmv

The CEMS will convert the actual NOX and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and maintained to totalize the exhaust gas flow rate, in dry standard cubic feet. The SOx emissions in the common cupola and reverb scrubber stack outlet shall be quantified based on a concentration limit for SOx and total exhaust gas flow rate measured by the NOx CEMS. The SOx concentration limit shall be equal to 3.47 PPMv at actual stack conditions. Concentrations and exhaust gas flow rates shall be based on dry, standard conditions.



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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

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### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2011, 12-7-1995; RULE 2011, 4-9-1999;  
RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : S139]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

**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.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D1, D2, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, C42, C43, C44, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D74, D75, D76, D77, D78, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D131, D132, D133, D135, D136, D137, D138, S139, C143, D151, D152, D153, D154, D155, C159, D161, C162, D164, C165, C172, D173, D183]

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.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C48, S140, S141, S142, C144, S145, C156, C157, S158]

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, 8-11-1995]**

[Devices subject to this condition : C98, C160, C163, S166]

#### **E. Equipment Operation/Construction Requirements**

E71.1 The operator shall not use this equipment to process coal, sawdust, rubber, plastics, paper, rags, oil, or grease.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

E71.2 The operator shall only use fire retardant filter media in this equipment during operation.

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

[Devices subject to this condition : C38, C39]

E71.3 The operator shall only operate this equipment if a spark suppression system with a spark detector is fully operational and properly maintained in this equipment.

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

[Devices subject to this condition : C38, C39]

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 : C38, C39, C40, C41, C45, C46, C47, C48, C144, C156, C157, C159, C160, C162, C163]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- A. The triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation
- B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.
- C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.
- D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 466858, and/or as amended.
- E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.
- F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.
- G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.
- H. All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The semi-annual monitoring report shall include the total



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

I. The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

J. The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; 40CFR 63 Subpart X, 6-23-2003;  
40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C144]

E448.7 The operator shall comply with the following requirements:



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS**

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

- A) Sodium nitrate added to the refining pot furnaces of device nos. D24, D26, D28, D30 shall only be charged by means of a screw conveyor feed system.
- B) The operator shall keep a log indicating the total pounds of sodium nitrate charged to each pot furnace with a screw conveyor feed system each day and the corresponding device number of each pot furnace to which sodium nitrate is charged with a screw conveyor feed system.
- C) The operator shall keep a log of the total pounds of sodium nitrate charged to each pot furnace without a screw conveyor feed system each day and the device number of each pot furnace to which sodium nitrate is charged without a screw conveyor feed system.
- D) For the purpose of the RECLAIM NOx emission factor from sodium nitrate, a factor of 0.017 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed only with a screw conveyor feed system.
- E) For the purpose of the RECLAIM NOx emission factor from sodium nitrate, a factor of 0.077 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed without a screw conveyor feed system.

**[RULE 2012, 5-6-2005]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

**H. Applicable Rules**

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	40CFR82, SUBPART	F



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

**[40CFR 82 Subpart F, 5-14-1993]**

[Devices subject to this condition : E147]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

**[RULE 1122, 7-11-1997]**

[Devices subject to this condition : E148]

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]**

[Devices subject to this condition : C40, C41, C45, C46, C47, C48, C144, C159, C160]

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]**

## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, D115, D119, D128, C144]

- 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 : C156, C157, C162, C163, C165, C172]

- H116.4 The operator shall ensure that the bag and/or filter leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548(e) (1) through (e) (8), and shall follow the procedures outlined in the USEPA's Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emission Standards for Secondary Lead Smelting whenever this equipment is in operation.

[40CFR 63 Subpart X, 6-23-2003; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C38, C39, C40, C41, C45, C46, C47, C144]

#### **K. Record Keeping/Reporting**

- K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The calendar dates on which calibrations of the triboelectric-type broken filter detector are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken filter detector.

Documentation from the manufacturer certifying that all filter media used in this equipment is fire retardant.

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

[Devices subject to this condition : C38, C39]

**K67.2** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken bag detector

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

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

[Devices subject to this condition : C40, C41, C45, C144]

**K67.3** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

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

[Devices subject to this condition : C46, C47]

K67.4 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 1113, 5-14-1999; RULE 1171, 6-13-1997; RULE 1171, 10-8-1999]

[Devices subject to this condition : E150]

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.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

[Devices subject to this condition : D128]

**K67.7** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

A daily operating log documenting venturi and tray scrubber liquid flow rates, in gallons per minute, and liquid pH, with liquid flow rate entries made at intervals not to exceed 1 hour, and liquid pH entries made at intervals not to exceed 4 hours.

A daily operating log documenting venturi and tray scrubber pressure differentials, in inches water column, with entries made at intervals not to exceed 1 hour.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C42, C43]

**K67.8** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the afterburner temperature recording device.

The dates on which calibrations of the afterburner temperature recording devices are performed.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C44]

**K67.9** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Records from the CEMS systems, including the following:

- a. Average O<sub>2</sub> concentration, in volume percent, each 15 minutes.
- b. Average CO concentration, in dry parts per million volume, each 15 minutes.
- c. Average exhaust gas flow rate, in actual cubic feet per minute, each 15 minute period.
- d. Average exhaust gas moisture, in volume percent, each 15 minute period.
- e. Average exhaust gas temperature, in degrees Fahrenheit, each 15 minute period.
- f. Total CO exhaust gas emission rate, in total pounds per each 15 minute period, in total pounds per each day, and in average pounds per day each calendar month.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; 40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : S139]

**K67.10** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total quantity, in tons each, of total material, total carbon coke, and total additional plastic and rubber charged to the rotary dryer furnace each day.

The total quantity, in standard cubic feet, of natural gas consumed in the rotary dryer furnace each day.

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]**

[Devices subject to this condition : D115]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.11 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The total quantity, in standard cubic feet, of natural gas consumed in the reverberatory furnace each day.

The total quantity, in standard cubic feet, of enrichment oxygen supplied to the reverberatory furnace each day.

The total quantity, in standard cubic feet, of combustion air, supplied to the reverberatory furnace each day.

The daily average level of oxygen enrichment percent calculated for the reverberatory furnace.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1401, 12-7-1990]

[Devices subject to this condition : D119]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
  - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
  - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
  - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION E: ADMINISTRATIVE CONDITIONS

5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]
  - a. Three years for a facility not subject to Title V; or
  - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
  - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
  - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
  - c. For a large NO<sub>x</sub> source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
  - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION E: ADMINISTRATIVE CONDITIONS

- e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO<sub>2</sub>) and be averaged over 15 consecutive minutes; [407]
- f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes. [409]
- g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O<sub>2</sub>) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO<sub>x</sub> RECLAIM sources and Table 2 of Rule 2001 for SO<sub>x</sub> RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO<sub>x</sub> or SO<sub>x</sub> emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO<sub>x</sub> or SO<sub>x</sub> source, respectively. [2001]
9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
  - a. Brief description of the equipment tested.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
  - c. Operating conditions under which the test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
  - f. Description of calibration and quality assurance procedures.
  - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
- a. The results of the source test.
  - b. Brief description of the equipment tested.
  - c. Operating conditions under which test will be performed.
  - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
  - e. Field and laboratory data forms, strip charts and analyses.



## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION E: ADMINISTRATIVE CONDITIONS**

- f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]
12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. NO<sub>x</sub> Monitoring Conditions

A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NO<sub>x</sub> source to continuously measure the concentration of NO<sub>x</sub> emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NO<sub>x</sub> emissions rate from each source. The time-sharing of CEMS among NO<sub>x</sub> sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
  - a. compliance with the annual Allocation;
  - b. excess emissions;
  - c. the amount of penalties; and
  - d. fees.

B. The Operator of a NO<sub>x</sub> large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NO<sub>x</sub> Process Unit, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2012, Table 2012-1, and Rule 2012, Appendix A, Table 4-A. The sharing of totalizing fuel meters may be allowed by the Executive Officer if the fuel meter serves process units which have the same emission factor or emission rate. The sharing of totalizing meter shall not be allowed for process units which are required to comply with an annual heat input limit. [2012]

II. NO<sub>x</sub> Source Testing and Tune-up conditions

1. The operator shall conduct all required NO<sub>x</sub> source testing in compliance with an AQMD-approved source test protocol. [2012]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

#### III. SOx monitoring conditions

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

Not Applicable

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall, as applicable:

1. Install, maintain, and operate a totalizing fuel meter or any device approved by the Executive Officer to measure quarterly fuel usage or other applicable variables specified in Rule 2011, Table 2011-1, and Rule 2011, Appendix A, Table 3-A. The sharing of totalizing meters shall be allowed for process units except those using fuels with different sulfur contents. [2011]

#### IV. SOx Source Testing Conditions

1. The operator shall conduct all required SOx source testing in compliance with an AQMD-approved source test protocol. [2011]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

#### I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
  - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
  - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
  - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

#### II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the total facility NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2004]

#### NO<sub>x</sub> Reporting Requirements

- A. The Operator of a NO<sub>x</sub> Major Source, as defined in Rule 2012, shall, as applicable:



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NOx source, the total daily mass emissions of NOx and daily status codes. Such data shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]
2. Calculate NOx emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
3. Submit an electronic report within 15 days following the end of each month totaling NOx emissions from all major NOx sources during the month. [2012]
4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall:

1. Electronically report the calculated quarterly NOx emissions for each NOx process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]



## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES**

#### SOx Reporting Requirements

D. The Operator of a SOx Major Source, as defined in Rule 2011, shall, as applicable:

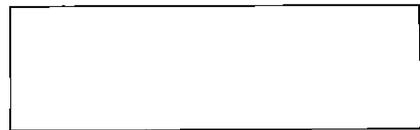
Not Applicable

E. The Operator of a SOx Process Unit, as defined in Rule 2011, shall:

1. Electronically report the calculated quarterly SOx emissions for each SOx process unit. [2011]



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## 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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
<b>System 1: RAW MATERIAL PREPARATION SYSTEM (RMPS)</b>					
ENCLOSURE, BUILDING, RAW MATERIAL PREPARATION SYSTEM, 125 FT W. X 329 FT L. X 75 FT H., APPROXIMATE DIMENSIONS A/N: 500783 Permit to Construct Issued: 03/30/10	C175	C156 C157 C165		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.2
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 2 IN; HEIGHT: 8 FT 3 IN; LENGTH: 15 FT A/N: 501057 Permit to Construct Issued: 03/30/10	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, D182.1, D323.1, H116.3, K171.2
MIST ELIMINATOR, HEPA, MAPCO, MODEL MW-100-24, WITH 16 HEPA FILTERS, EACH 2 FT W. X 2 FT L. X 11.5 INCHES THICK A/N: 501057 Permit to Construct Issued: 03/30/10	C172	C165 S166		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.14, D182.1, D323.1, H116.3, K171.2
STACK, HEIGHT: 65 FT ; DIAMETER: 3 FT 8 IN A/N: 501057 Permit to Construct Issued: 03/30/10	S166	C172		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	
<b>System 2: FEED DRYING SYSTEM</b>					

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
ENCLOSURE, BUILDING, ROTARY DRYER FURNACE, 15 FT W. X 45 FT L. X 17 FT H., APPROXIMATE DIMENSIONS A/N: 501059 Permit to Construct Issued: 03/30/10	C177	C46		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.3
BAGHOUSE, WITH 100-H.P. BLOWER, WITH EXPANDED TEFLON MEMBRANE BAGS WITH TEFLON SUBSTRATES, 5881 SQ.FT.; 312 BAGS A/N: 500786 Permit to Construct Issued: 03/30/10	C144	C143 S145		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.2, D12.5, D12.6, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.2
INJECTOR, SIDEWALL WATER SPRAY, WITH 2 FLAMEX F180 NOZZLES, WITH SPARK ARRESTOR CONTROLLER, FLAMEX FMZ4100GAB24, A BATTERY BACK-UP, 8 FUX 3001-E OPTICAL IR SPARK DETECTORS A/N: 500786 Permit to Construct Issued: 03/30/10	B176				E448.6
STACK, HEIGHT: 69 FT ; DIAMETER: 3 FT A/N: 500786 Permit to Construct Issued: 03/30/10	S145	C144			
<b>System 5: LEAD METAL REFINING SYSTEM</b>					

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
  - (3) Denotes RECLAIM concentration limit
  - (5) (5A) (5B) Denotes command and control emission limit
  - (7) Denotes NSR applicability limit
  - (9) See App B for Emission Limits
  - (2) (2A) (2B) Denotes RECLAIM emission rate
  - (4) Denotes BACT emission limit
  - (6) Denotes air toxic control rule limit
  - (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
  - (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 1, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496437 Permit to Construct Issued: 06/24/09	D7	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 2, NATURAL GAS, HARD LEAD. 2.5 MMBTU/HR A/N: 496438 Permit to Construct Issued: 06/24/09	D9	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 3, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496420 Permit to Construct Issued: 06/24/09	D11	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits

- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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

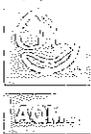
### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT. NO. 4, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496421 Permit to Construct Issued: 06/24/09	D13	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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
<b>Process 1 - SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 5, NATURAL GAS, SPECIALTY LEAD, 2.5 MMBTU/HR A/N: 496423 Permit to Construct Issued: 06/24/09	D15	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, A, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496424 Permit to Construct Issued: 06/24/09	D17	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, B, NATURAL GAS, HARD LEAD, 2.5 MMBTU/HR A/N: 496425 Permit to Construct Issued: 06/24/09	D19	C38 C39 C46 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 6, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496426 Permit to Construct Issued: 06/24/09	D24	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 7, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496428 Permit to Construct Issued: 06/24/09	D26	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 8, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496429 Permit to Construct Issued: 06/24/09	D28	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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
<b>Process I: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, NO. 9, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496432 Permit to Construct Issued: 06/24/09	D30	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.017 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

- \* (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits

- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, G. NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496433 Permit to Construct Issued: 06/24/09	D32	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT, E, NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496434 Permit to Construct Issued: 06/24/09	D34	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
 (3) Denotes RECLAIM concentration limit  
 (5) (5A) (5B) Denotes command and control emission limit  
 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2) (2A) (2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
 (6) Denotes air toxic control rule limit  
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
 (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
FURNACE, POT. F. NATURAL GAS, SOFT LEAD, 2.5 MMBTU/HR A/N: 496435 Permit to Construct Issued: 06/24/09	D36	C38 C39 C47 C156 C157	NOX: PROCESS UNIT**; SOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999];*NOX: 0.077 LBS/LB MATERIAL (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; SOX: 0.133 LBS/LB MATERIAL (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]; SOX: 0.83 LBS/MMSCF NATURAL GAS (1) [RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]	A63.2, B295.2, B295.3, D12.8, D323.1, E71.1, E448.7, H116.2
<b>System 6: FUGITIVE DUST CONTROL SYSTEM</b>					
ENCLOSURE, BUILDING, SMELTING AND REFINING, 140 FT W. X 500 FT L. X 25 FT H., APPROXIMATE DIMENSIONS A/N: 501056 Permit to Construct Issued: 03/30/10	C179	C38 C39		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.2
ENCLOSURE, BUILDING, SOUTH CORRIDOR, 45 FT W. X 140 FT L. X 25 FT H., APPROXIMATE DIMENSIONS A/N: 501056 Permit to Construct Issued: 03/30/10	C182	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.3

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, WITH 208 HEPA CARTRIDGE FILTERS, EACH 1 FT.-2 IN. DIA. X 2 FT.-2IN. L., SOUTH TORIT, HIGH EFFICIENCY CARTRIDGE TYPE, MODEL DFT-4-208, WITH A 250 HP BLOWER AND A TRIBOELECTRIC-TYPE BROKEN BAG DETECTOR A/N: 483403 Permit to Construct Issued: 07/11/08	C39	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D24 D25 D26 D27 D28 D29 D30 D31 D32 D33 D34 D35 D36 D37 D117 D118 D119 D120 D121 D122 D123 D124 D125 D128 D129 D130 D131 D132 D133 C179		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.1, D12.17, D182.3, D381.1, E71.2, E71.3, E102.1, E193.1, E448.1, H116.2, H116.4, K67.1, K171.1
<b>System 8: CUPOLA AND HARD LEAD REFINERY FURNACES APCS</b>					
BAGHOUSE, WITH 450 HP BLOWER, 64000 SQ.FT. A/N: 501060 Permit to Construct Issued: 03/30/10	C46	D7 D8 D9 D10 D11 D12 D13 D14 D15 D16 D17 D18 D19 D20 D129 D130 D131 D132 D133 S140 C177		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, D381.1, E102.1, E193.1, H116.1, H116.2, H116.4, K67.3
<b>System 10: REVERB FURNACE FEED ROOM APCS</b>					

\* (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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, NO. 1, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N: 500784 Permit to Construct Issued: 03/30/10	C156	D7 D9 D11 D13 D15 D17 D19 D24 D26 D28 D30 D32 D34 D36 D109 D110 D111 D112 D113 D151 S158 C175 C182		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D182.2, D381.1, E102.1, H116.1, H116.4, K171.1
BAGHOUSE, NO. 2, MAC, MODEL 144MCF494, WITH A 150 HP BLOWER AND A BROKEN BAG DETECTOR, 14326 SQ.FT.; 494 BAGS A/N: 500784 Permit to Construct Issued: 03/30/10	C157	D7 D9 D11 D13 D15 D17 D19 D24 D26 D28 D30 D32 D34 D36 D109 D110 D111 D112 D113 D151 S158 C175 C182		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	C6.4, D12.6, D12.7, D12.10, D12.16, D182.2, D381.1, E102.1, H116.1, H116.4, K171.1
STACK, HEIGHT: 80 FT ; DIAMETER: 6 FT A/N: 500784 Permit to Construct Issued: 03/30/10	S158	C156 C157		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.1
<b>System 11: CUPOLA FURNACE FEED ROOM APCS</b>					
CYCLONE, SPENCER, MODEL CH950CB-MOD. HEIGHT: 7 FT ; DIAMETER: 4 FT 2 IN A/N: 496418 Permit to Construct Issued: 06/24/09	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

- \* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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
<b>Process 1: SECONDARY METALS, LEAD SMELTING PROCESS</b>					
BAGHOUSE, CENTRAL VACUUM SYSTEM A, SPENCER, MODEL JH9600B8-M. WITH 75 HP BLOWER, 468 SQ.FT. A/N: 496418 Permit to Construct Issued: 06/24/09	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: 496418 Permit to Construct Issued: 06/24/09	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: 496419 Permit to Construct Issued: 06/24/09	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: 496419 Permit to Construct Issued: 06/24/09	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
FLOOR SWEEP, 48 TOTAL A/N: 496419 Permit to Construct Issued: 06/24/09	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: 496418 Permit to Construct Issued: 06/24/09	C48	D126 S142 C160 C163		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D12.6, D12.10, D381.1, E102.1, H116.3
STACK, HEIGHT: 112 FT ; DIAMETER: 7 FT A/N: 496418 Permit to Construct Issued: 06/24/09	S142	C48		LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	D381.1
<b>Process 3: WASTE HANDLING</b>					

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

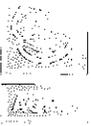
### SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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
<b>Process 3: WASTE HANDLING</b>					
<b>System 11: VEHICLE WASH SYSTEM</b>					
TRUCK WASHING STATION, VEVI, MODEL TW-2000, 11 FT-6 IN W. X 67 FT-1 IN L. X 3 FT-6 IN H., WITH A WASH BASIN, 11 FT-6 IN W. X 37 FT-0.5 IN L. X 3 FT-6 IN H. WITH A/N: 501061 Permit to Construct Issued: 03/30/10	D178			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	E448.5
ENCLOSURE, WASH STATION TUNNEL, 20 FT W. X 38 FT L. X 20 FT H. APPROXIMATE DIMENSIONS	C180			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 405, 2-7-1986]	
<b>System 12: PORTABLE VACUUM SWEEPING SYSTEM</b>					
FLOOR SWEEP, WALK BEHIND VACUUM SWEEPER, LEAD ABATEMENT, TENNANT, MODEL 3640E, 1-HP ELECTRIC, 2 FT-8 IN W. X 4 FT- 8 IN L. X 3 FT-2 IN H., WITH A HEPA FILTER A/N: 501062 Permit to Construct Issued: 03/30/10	C181			LEAD: (10) [40CFR 63 Subpart X, #01, 1-29-1999]; PM: (9) [RULE 404, 2-7-1986]	E448.4, K171.3

\* (1) (1A) (1B) Denotes RECLAIM emission factor  
(3) Denotes RECLAIM concentration limit  
(5) (5A) (5B) Denotes command and control emission limit  
(7) Denotes NSR applicability limit  
(9) See App B for Emission Limits  
(2) (2A) (2B) Denotes RECLAIM emission rate  
(4) Denotes BACT emission limit  
(6) Denotes air toxic control rule limit  
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)  
(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: 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			
Device ID	Section H Page No.	Process	System
D7	3	1	5
D9	4	1	5
D11	5	1	5
D13	6	1	5
D15	7	1	5
D17	8	1	5
D19	9	1	5
D24	10	1	5
D26	11	1	5
D28	12	1	5
D30	13	1	5
D32	14	1	5
D34	15	1	5
D36	16	1	5
C39	17	1	6
C46	17	1	8
C48	19	1	11
S142	19	1	11
C144	2	1	2
S145	2	1	2
C156	18	1	10
C157	18	1	10
S158	18	1	10
C159	18	1	11
C160	19	1	11
D161	19	1	11
C162	19	1	11
C163	19	1	11
D164	19	1	11
C165	1	1	1
S166	1	1	1
C172	1	1	1
C175	1	1	1
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**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION H: DEVICE ID INDEX**

<b>Device Index For Section H</b>			
<b>Device ID</b>	<b>Section H Page No.</b>	<b>Process</b>	<b>System</b>
C177	2	1	2
D178	20	3	11
C179	16	1	6
C180	20	3	11
C181	20	3	12
C182	16	1	6



## 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

[RULE 1420.1, 11-5-2010]

#### DEVICE CONDITIONS

##### A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than 10 Percent opacity

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

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

##### B. Material/Fuel Type Limits

B295.2 For the purpose of NOX RECLAIM emission factor, the material shall be defined as the amount of sodium nitrate added.

[RULE 2012, 12-7-1995; RULE 2012, 4-9-1999]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]



## 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:**

B295.3 For the purpose of SOX RECLAIM emission factor, the material shall be defined as the amount of sulfur added.

[RULE 2011, 12-7-1995; RULE 2011, 4-9-1999]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

#### C. Throughput or Operating Parameter Limits

C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 400 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C144]

C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 150 Deg F.



## 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:

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C156, C157]

- 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

- D12.1 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the cartridge filters.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

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



## 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 : C39]

- D12.5 The operator shall install and maintain a(n) triboelectric-type broken bag detector to accurately indicate the existence of a leak in the baghouse bags.

The measuring device or gauge shall be accurate to within the limits defined in the calibration protocol from the manufacturer. It shall be calibrated once every 12 months.

The continuous monitoring system shall include visual and audio alarms.

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

[Devices subject to this condition : C144]

- 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 : C46, C48, C144, C156, C157]

- D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the baghouse inlet duct, in degrees Fahrenheit.

The operator shall also install and maintain a device to continuously record the parameter being measured.

The measuring device or gauge shall be accurate to within plus or minus 30 degrees Fahrenheit. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : C46, C156, C157]

- D12.8 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the natural gas supply line to this equipment, in standard cubic feet.



## 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 2012, 12-7-1995; RULE 2012, 4-9-1999]**

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

- 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 : C46, C48, C156, C157]

- D12.11 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

**[RULE 1407, 7-8-1994]**

[Devices subject to this condition : C46]

- 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.

**[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]



## 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:**

D12.16 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the baghouse inlet or outlet duct, in feet per minute.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C156, C157]

D12.17 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the cartridge filters, in inches water column.

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

[Devices subject to this condition : C39]

D182.1 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 AQMD not later than 180 days of the construction of the enclosure of the RPMS building and installation of the exhaust system including the 100-H.P. exhaust blower and associated ductwork.

B) The test(s) shall measure the emissions of lead at the inlet of the scrubber and 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 Rule 1420 (e)(2).

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 district 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 AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests, if the AQMD decides to have an observer present.

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

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

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C165, 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:**

D182.2 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 AQMD not later than 180 days of initial installation of the exhaust system connections to the burner compartments of pot furnace device nos. D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34 and D36.

B) The test(s) shall measure the emissions of lead at the common inlet and outlet of the dust collectors. Triplicate source tests shall be conducted simultaneously on the common inlet and outlet of the dust collectors in accordance with the requirements set forth by Rule 1420 (e)(2).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the common 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 both rules.

D) The tests shall be conducted while the reverberatory and cupola furnaces are operated under normal operating conditions.

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

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 AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.

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

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



## 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; 40CFR 63 Subpart X, 6-23-2003]

[Devices subject to this condition : C156, C157]

D182.3 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 AQMD not later than 180 days of initial installation of the new HEPA cartridge filters.

B) The test(s) shall measure the emissions of lead at the inlet and outlet of the dust collector. Triplicate source tests shall be conducted simultaneously on the inlet and outlet of the dust collector in accordance with the requirements set forth by rule 1420 (e)(2).

C) Triplicate source tests shall be conducted for exhaust gas lead concentration in the 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 both rules.

D) The tests shall be conducted while the reverberatory, cupola, and lead refining pot furnaces are operated under normal operating conditions.

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

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 AQMD at least 10 days prior to testing so that an AQMD observer may be present during the tests.

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

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

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

[Devices subject to this condition : C39]



## 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 : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, C159, D161, C162, D164, C165, C172]

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, 8-11-1995]**

[Devices subject to this condition : C39, C46, C48, S142, C144, C156, C157, S158]



## 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, 8-11-1995]

[Devices subject to this condition : C160, C163]

#### E. Equipment Operation/Construction Requirements

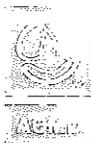
E71.1 The operator shall not use this equipment to process coal, sawdust, rubber, plastics, paper, rags, oil, or grease.

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

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

E71.2 The operator shall only use fire retardant filter media in this equipment during operation.

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



## 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 : C39]

E71.3 The operator shall only operate this equipment if a spark suppression system with a spark detector is fully operational and properly maintained in this equipment.

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

[Devices subject to this condition : C39]

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 : C39, C46, C48, C144, C156, C157, C159, C160, C162, C163]

E193.1 The operator shall operate and maintain this equipment according to 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 triboelectric-type broken bag detector shall be maintained in full operation whenever the equipment it serves is in operation
- B. The operator shall operate and maintain the triboelectric-type broken bag detector with a continuous monitoring system consisting of visual and audible alarms.
- C. A printout of the high level alarm log shall be generated from the computer system interfaced with each broken bag detector system each calendar day. This printout shall be saved as a hard copy, or saved in electronic TIFF or PDF format each day. This printout shall display, in graphical form, the analog output signal from the triboelectric sensor.
- D. The detector shall be maintained in accordance with the specifications defined in the operating instructions from the manufacturer. The detector zero point calibration shall be performed not less than once every twelve months in accordance with the procedures specified by the manufacturer, as submitted under Application No. 466858, and/or as amended.
- E. Whenever the manufacturer(s) or current procedure(s) for setting the annual zero point on the triboelectric-type broken bag detectors changes, the operator shall submit a revised set of written procedures to the AQMD and shall make these procedures and associated records available upon request by AQMD personnel.
- F. For the purpose of this condition, a deviation shall be defined as the indication by the triboelectric-type broken bag detector alarm of the existence of a leak in the baghouse bags during the operation of the equipment it serves.
- G. Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.
- H. All deviations shall be reported to the AQMD on a semi-annual basis pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23



## 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:**

in Section K of this permit. The semi-annual monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

I. The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

J. The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

K. The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR 64.9 for a minimum of five years.

[RULE 1407, 7-8-1994; RULE 1420, 9-11-1992; **40CFR 63 Subpart X, 6-23-2003;**  
**40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C39, C46, C144]

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

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; **40CFR 63 Subpart X, 6-23-2003]**

[Devices subject to this condition : C39]



## 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:**

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

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.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C175, C179]



## 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:**

E448.3 The operator shall comply with the following requirements:

Exide shall install and maintain at least three (1) pressure differential monitoring system(s) 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. These system(s) 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 the Leeward wall inside of the Total Containment Building in accordance with 40 CFR 63 Subpart X.

C. Building doors shall remain closed except for short periods of time required for ingress and egress of personnel and/or equipment into, and out of, the Total Enclosure Building.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C177, C182]

E448.4 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 HEPA filters used in this equipment shall be certified by the manufacturer to have a minimum control efficiency of 99.97 percent on 0.3 micron particles.
- 2) Dust collected in this equipment shall only be discharged into containers which shall be maintained closed after the disposal of dust from this equipment.
- 3) After use and/or whenever maintenance is performed on the HEPA vacuum sweeper, this equipment shall only be disassembled, emptied and/or cleaned within a total enclosure building which is vented to air pollution control system(s) which are in full use and which have been issued Permits to Construct and/or Operate by the Executive Officer of the AQMD.
- 4) Visible emissions shall not be discharged from any point on this equipment.
- 5) Identification tag(s) or name plate(s) shall be displayed on this equipment to show manufacturer model no. and serial no. The tag(s) or name plate(s) shall be affixed to this equipment in a permanent and conspicuous location.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C181]

E448.5 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) Exide shall install and maintain the vehicle washing facility on the south side of its premises for the purpose of washing all vehicles leaving the process plant areas. This shall not include vehicles entering by the north entrance and picking up finished lead without entering the process areas.

2) Vehicles shall be cleaned by using a wet washing method. A record keeping system (with written documentation) that is acceptable to the District shall be developed for quality control inspections of each vehicle leaving the wash station to assure that the vehicle has been thoroughly washed. Written reports of each inspection shall be prepared and maintained from each shift. No vehicle shall exit the facility without passing inspection.

3) The vehicle washing facility shall employ best practices for collecting and disposing of lead contaminated water accumulated during the washing process. Those practices shall include the minimization of the amount of water which is allowed to dry exposed to atmosphere prior to collection for treatment.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : D178]

**E448.6 The operator shall comply with the following requirements:**

1) The spark arrestor system shall be in full operation whenever the rotary dryer baghouse (device C144) is in operation.

2) The spark arrestor system shall be tested and calibrated not less than once per year, and more often if necessary, to ensure the system is functioning properly.

[RULE 1420, 9-11-1992]

[Devices subject to this condition : B176]

**E448.7 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) Sodium nitrate added to the refining pot furnaces of device nos. D24, D26, D28, D30 shall only be charged by means of a screw conveyor feed system.

B) The operator shall keep a log indicating the total pounds of sodium nitrate charged to each pot furnace with a screw conveyor feed system each day and the corresponding device number of each pot furnace to which sodium nitrate is charged with a screw conveyor feed system.

C) The operator shall keep a log of the total pounds of sodium nitrate charged to each pot furnace without a screw conveyor feed system each day and the device number of each pot furnace to which sodium nitrate is charged without a screw conveyor feed system.

D) For the purpose of the RECLAIM NO<sub>x</sub> emission factor from sodium nitrate, a factor of 0.017 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed only with a screw conveyor feed system.

E) For the purpose of the RECLAIM NO<sub>x</sub> emission factor from sodium nitrate, a factor of 0.077 LBS/LB shall be used when sodium nitrate charged to a pot furnace is performed without a screw conveyor feed system.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36]

#### 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 : C46, C144, C156, C157]

- 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 : D7, D9, D11, D13, D15, D17, D19, D24, D26, D28, D30, D32, D34, D36, C39, C46, C144]

- 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 : C48, C159, C160, C162, C163, C165, C172]

- H116.4 The operator shall ensure that the bag and/or filter leak detection system meets the requirements of 40 CFR Part 63, Subpart X, Sections 63.548 (e) (1) through (e) (8), and shall follow the procedures outlined in the USEPA's Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter in order to comply with the National Emission Standards for Secondary Lead Smelting whenever this equipment is in operation.

[40CFR 63 Subpart X, 6-23-2003; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C39, C46, C144, C156, C157]

#### **K. Record Keeping/Reporting**

- K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(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:**

The calendar dates on which calibrations of the triboelectric-type broken filter detector are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken filter detector.

Documentation from the manufacturer certifying that all filter media used in this equipment is fire retardant.

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

[Devices subject to this condition : C39]

**K67.2** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

The calendar dates on which triboelectric-type broken bag detector calibrations are performed.

A copy of the protocol from the manufacturer used to calibrate the triboelectric-type broken bag detector

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.

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

[Devices subject to this condition : C144]

**K67.3** The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Records from the baghouse inlet temperature recording device.

The calendar dates on which the baghouse inlet temperature indicating and recording device is calibrated.



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

[Devices subject to this condition : C46]

K171.1 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 total amount, in tons, of all materials charged to the reverberatory and cupola 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.

C) A 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).

D) With respect to the devices listed in this condition, the source tests shall be completed and a final report submitted to the AQMD not later than 180 days of initial installation of the new HEPA filters (device no. C39), and/or, the installation of the pot furnace burner compartment exhaust connections (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:**

nos. C156 and C157), respectively.

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

[Devices subject to this condition : C39, C156, C157]

K171.2 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 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 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).

D) The source tests shall be completed, and a final report submitted to the District, not later than 180 days after the installation of the new 100-H.P. exhaust blower is completed.

[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 : C165, C172]

**K171.3** The operator shall provide to the District the following items:

The operator shall keep and maintain the following information and provide it upon request of District personnel.

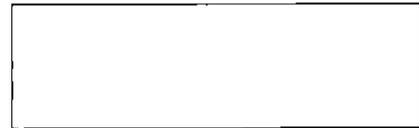
- 1) The information required by condition E448.4 part 5.
- 2) The number of working hours per day involving lead removal.
- 3) The date and time of each HEPA filter replacement.
- 4) A copy of the manufacturer's certification of efficiency for the HEPA filter(s).

[RULE 1420, 9-11-1992]

[Devices subject to this condition : C181]



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules specified below. The operator shall comply with all conditions specified in the approval of these plans, with the following exceptions:

- a. The operator does not have to comply with NO<sub>x</sub> or SO<sub>x</sub> emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) which become effective after December 31, 1993.
- b. The operator does not have to comply with NO<sub>x</sub> or SO<sub>x</sub> emission limits from rules identified in Table 1 or Table 2 of Rule 2001(j) after the facility has received final certification of all monitoring and reporting requirements specified in Section F and Section G.

Documents pertaining to the plan applications listed below are available for public review at AQMD Headquarters. Any changes to plan applications will require permit modification in accordance with Title V permit revision procedures.

#### List of approved plans:

Application	Rule
374185	1407
466858	3003
481923	1420

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765





# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

March 25, 2011

Mr. Corey Vodvarka  
Plant Manager  
Exide Technologies  
2700 South Indiana Street  
Vernon, CA 90058

**Reference: Application No. 374185:**

**Approval of the Rule 1407 Compliance Plan for Facility ID # 124838**

Dear Mr. Copeland:

The South Coast Air Quality Management District (AQMD) has completed the review of the above referenced application for your Rule 1407 compliance plan for the above-described facility. The compliance plan to meet the requirements of Rule 1407 is granted approval subject to the following conditions:

- 1) Operation of this facility shall be conducted in accordance with all data and specifications submitted with the application under which this plan approval is issued unless otherwise noted below.
- 2) The equipment shall be properly maintained and kept in good operating condition at all times.
- 3) This facility shall be operated in accordance with the requirements specified in subparts (d)(1), (d)(3), (d)(5), (e), and (g)(1) of Rule 1407.
- 4) The rotary dryer furnace, reverberatory furnace, and blast furnace baghouses shall be operated pursuant to all requirements stated in this plan letter, with the exception of the temperature requirement of Rule 1407 (d)(3).
- 5) All baghouses at this facility shall be operated in compliance with the applicable temperature limits stated in the Facility Permit.
- 6) The operator shall keep and maintain records to demonstrate compliance with these conditions, and with all of the monitoring, record keeping, and reporting requirements in Rule 1407. These records shall be maintained on site for a minimum of five years and shall be made available to SCAQMD personnel upon request.

It is your responsibility to comply with all other applicable AQMD Rules and Regulations and with all laws, ordinances, and regulations of other government agencies which are applicable to the operation of the equipment.

Please ensure that a copy of this letter is kept with the permit to facilitate compliance determination. Should you have any questions regarding this plan approval, please contact Marco A. Polo at (909) 396-2633.

Very truly yours,



Jay Chen, P.E.  
Senior Engineering Manager  
Refinery and Waste Management Permitting

JC:TL:MAP

cc: File  
Compliance

Exide64.doc



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

January 16, 2009

Ed Mopas  
Environmental Manager  
Exide Technologies (I.D. 124838)  
2700 South Indiana Street  
Los Angeles, CA 90023

Dear Mr. Mopas:

**Revised Conditional Approval of Fenceline Monitor Locations Pursuant to the  
Rule 1420 Compliance Plan Issued Under Application No. 481923**

Subsequent to the issuance of the conditional approval of fenceline monitor locations on December 12, 2008, the South Coast Air Quality Management District (AQMD) received your letter dated December 23, 2008, requesting time extensions for installing monitor #3 at an offsite location and for all monitors to be equipped with backup power. After carefully evaluating your requests, we have decided to approve your time extension requests with some modifications as shown in the revised conditions below. As discussed in a telephone conversation on December 18, 2008, this approval of monitor locations does not include the location of an additional offsite monitor, which will be decided at a later date when EPA's requirements for siting the monitors under the new NAAQS for lead are more clearly understood.

The revised conditions that Exide is required to comply with in addition to all other applicable conditions are as follows:

- 1) Exide shall install and maintain new and/or relocated lead monitors at the locations, as indicated in Condition No. 2 below, and shall maintain, conduct and report sampling results using these monitors as required by Condition No. 22 and Condition No. 23 of Exide's Rule 1420 Compliance Plan (A/N 481923) and pursuant to Rule 1420(g), except when otherwise specified below.
- 2) Exide shall locate and operate the ambient lead monitoring stations according to the following specifications:
  - A. For the purpose of this condition, the perimeter fencelines of the Exide facility shall be defined according to the nomenclature described in the diagram

located in Attachment 'A' which is incorporated into this approval letter, and according to the definitions in the following table:

Facility Corner	ID	UTM East (Km)	UTM North (Km)	Geodetic (WGS 84) Longitude	Geodetic (WGS 84) Latitude
North East	NE	389.849	3763.585	-118.19285	34.00710
North	N	389.726	3763.637	-118.19419	34.00756
Middle	MID	389.662	3763.484	-118.19486	34.00617
North West	NW	389.490	3763.548	-118.19673	34.00673
South West	SW	389.448	3763.454	-118.19717	34.00588
South	S	389.745	3763.329	-118.19394	34.00478
Admin South East	SE	389.818	3763.299	-118.19315	34.00452

- B. Exide shall maintain and operate ambient lead monitoring stations at location numbers 1, 2, 4 and 5, as indicated in the following table:

Ambient Lead Monitor	ID	Fenceline ID	Reference Corner	Distance Along Fenceline From Reference Corner (Meters)
1	NE	NE-N	NE	0 ± 5
2	N	NE-N	N	22 ± 10
3	MID	N-MID	MID	85 ± 10
4	SW	SW-S	SW	16 ± 10
5	SE	ADMIN BLDG	SE	0 ± 10

- C. Exide shall maintain and operate a monitoring station at a location immediately adjacent to the west bank of the flood channel and perpendicular to monitor location number 3 indicated in the above table. On or before March 17, 2009, Exide shall provide a written enforceable contract with the property owner allowing Exide to install and operate a monitoring station at this location and for District personnel to have access to the station without restriction.
- D. Sampling at all monitoring stations shall begin as scheduled below (from 12:00 midnight of the dates listed through 12:00 midnight of the same date) and continue to sample on days in accordance with the U.S.E.P.A. 1-in-3 day sampling schedule (<http://www.epa.gov/ttn/amtic/calendar.html>):

<u>Monitor Number</u>	<u>Sampling Start Date</u>
1	January 19, 2009
2	January 19, 2009
3	March 17, 2009
4	January 19, 2009
5	January 19, 2009

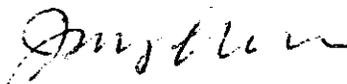
- 3) Exide shall not perform wet wash down of any outdoor surfaces within a 10 meter radius of an installed ambient air monitoring station on days during which the air monitor is collecting an ambient air sample. This condition does not preclude the wash down of these surfaces on days in which the monitor is not in operation. This condition must be met in addition to all other conditions specifying wet wash down and/or housekeeping requirements in the Rule 1420 plan issued for this facility.
- 4) On or after March 17, 2009, each ambient air lead monitoring station shall be equipped with an uninterruptible backup power supply capable of maintaining the monitoring system in full, continuous operation for a minimum of three (3) hours during electrical power interruptions, including voluntary, emergency, anticipated and/or unanticipated losses of electrical power. In the event that compliance with this condition cannot be maintained after installation of the backup power supply, Exide shall, within one hour of power interruption, contact the AQMD by calling 1-800-CUT-SMOG under the menu option of "breakdown."
- 5) Pursuant to Rule 1420(i) and Title V requirements, Exide shall keep adequate records to verify the following:
  - A. Quantities of each lead-containing material processed, and the lead content of the material, including purchase records, usage records, results of analysis or other verification to indicate lead content and lead usage, updated annually.
  - B. Housekeeping activities completed, and inspection and maintenance of emission collection system(s) and control device(s), including the name of the person performing the activity, and the dates on which specific activities were completed.
  - C. Records from the ambient air lead monitoring stations pursuant to Rule 1420(g). Additionally, the operator shall report to the AQMD the results of all ambient air lead and wind monitoring pursuant to Rule 1420(j).
  - D. The records shall be retained for a period of five years, and shall be made available to the AQMD upon request.

It is your responsibility to comply with all other applicable Rule 1420 requirements including but not limited to all conditions in Exide's Rule 1420 Compliance Plan that was approved on May 7, 2008 under Application No. 481923, all other applicable AQMD Rules and Regulations, and with all laws, ordinances, and regulations of other government agencies which are applicable to the operation of the equipment.

Please replace the conditional approval letter dated December 12, 2008, with this letter and ensure that a copy of this letter is kept on site with your facility permit to facilitate

your compliance determination. Should you have any questions regarding this conditional approval, please contact Thomas Liebel at (909) 396-2554.

Very truly yours,

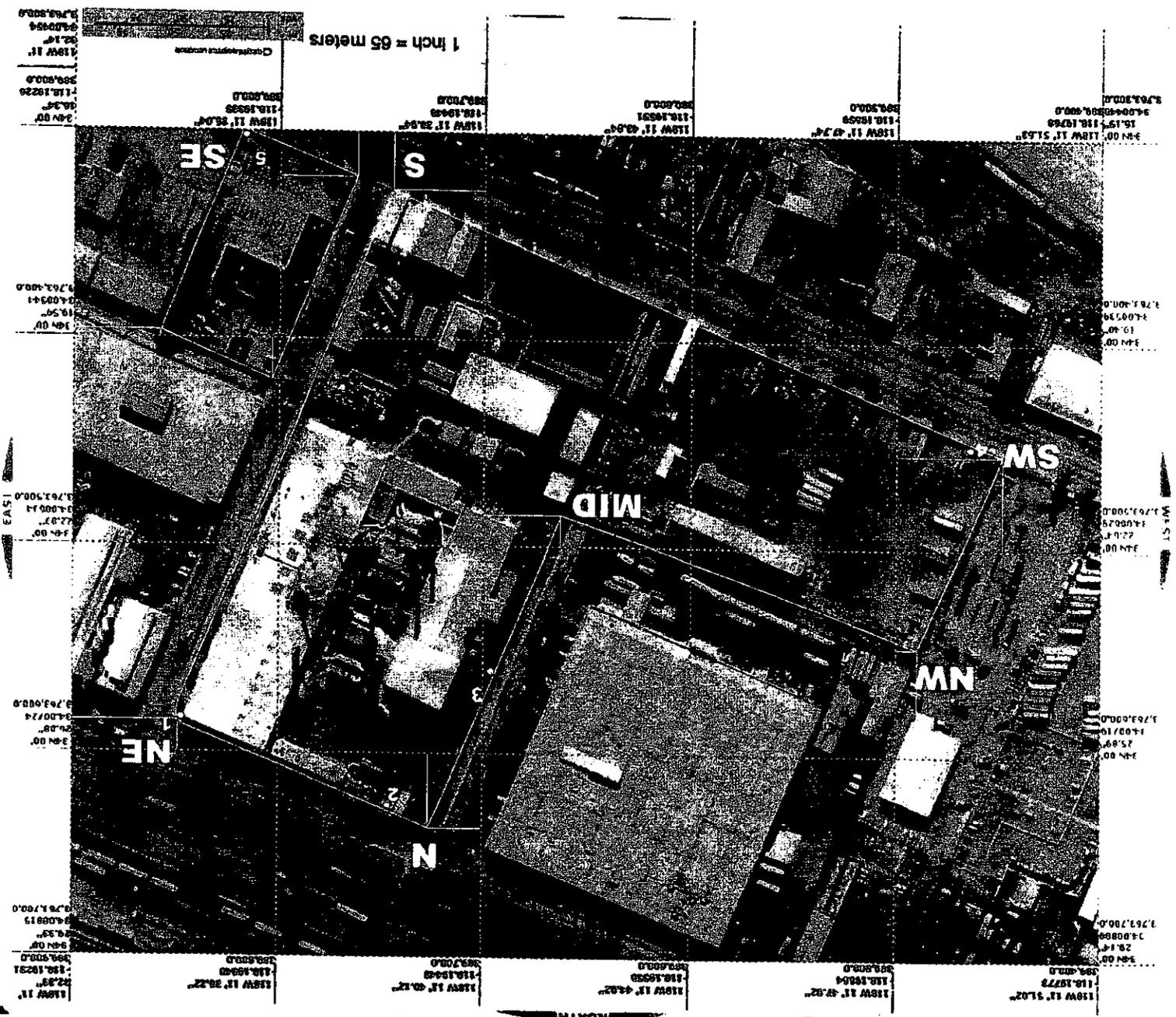


Jay Chen, P.E.  
Senior Engineering Manager  
Refinery and Waste Management Permitting

JC:TL:MAP

cc: File  
Ed Pupka  
Philip Fine  
Teresa Barrera

EXIDE TECHNOLOGIES, VERNON, CALIFORNIA - ONSITE AMBIENT LEAD MONITOR SITING



ATTACHMENT A



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

May 7, 2008

Mr. Jack London  
Exide Technologies  
2700 South Indiana Street:  
Los Angeles, CA 90023

**Reference: Application No. 481923:**

**Approval of the Rule 1420 Compliance Plan for Facility ID # 124838**

Dear Mr. London:

The South Coast Air Quality Management District (AQMD) has completed review of all information relating to your compliance plan submitted pursuant to Rule 1420 – Emissions Standard for Lead, for the above-described facility. This plan letter supersedes the plan letter previously issued under Application No. 374177. This amended Rule 1420 Compliance Plan is granted approval subject to the following conditions:

1. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall take steps to cleanup all fugitive lead-dust pursuant to AQMD Rule 1420(c)(5) – Emissions Standard for Lead, Definitions, Fugitive Lead Dust Emissions, where the dust forming materials at the emission source has a lead content of 0.5 percent by weight or more as determined by EPA-approved methods. Areas where cleanup activities shall occur include but are not limited to:
  - Plant roadways including all vehicular and foot traffic areas
  - Plant adjacent public sidewalks and roadways
  - Raw Materials Preparation Storage Area (Battery Breaker Area)
  - Reverberatory Furnace Feed Room
  - Materials Storage and Handling Areas
  - Furnace Areas Including:
    - a. Reverberatory Furnace Area
    - b. Blast (Cupola) Furnace Area
    - c. Refining Pots/Kettles and Casting Area
  - All building rooftops as identified in Attachment No.1

- Storage pile areas and any other areas (including those that are directly open to atmosphere or those that are only partially enclosed) where lead or lead-containing wastes that are generated from housekeeping activities is stored, disposed of, recovered or recycled. This condition does not include lead-containing wastes that are in fully enclosed buildings that are maintained under negative pressure as described in Condition No. 16.

Cleanup activities of these and other areas shall be completed no later than sixty (60) days from the date of receipt of the approved Rule 1420 Compliance Plan amendment. This condition does not include lead-containing wastes that are in fully enclosed buildings that are maintained under negative pressure as described in Condition No. 16.

2. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide shall survey all facility structures that house, contain or control any and all lead emission points or fugitive lead-dust emissions and shall permanently repair such facility structures to ensure the structural integrity of these buildings/structures (including roofs) such that there are no gaps, breaks, separations, leak points or other possible routes for emissions of lead or lead-dust to outside ambient air. In the event that a specific repair cannot be concluded in the time period specified, Exide shall immediately notify the Executive Officer for approval, the specific repair and the approximate date that the repair will be concluded.
3. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, in the event that repair and/or demolition activities are undertaken to remedy those structural deficiencies identified in Condition No. 2, or for any other reason, Exide Technologies shall ensure that for the material being demolished or repaired, that the affected adjacent areas be cleaned and dust free or otherwise be adequately wetted down to suppress generation of any fugitive lead-dust emissions.
4. Not later than fifteen (15) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall permanently remove the weather cap from the Neptune Scrubber (SOx Scrubber; Device C43) serving the reverberatory furnace (Device D119).
5. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall file applications for Permit(s) to Construct to install in the South Torit Baghouse (Device ID C39) HEPA-type filter cartridges with a minimum efficiency guaranteed by the manufacturer of 99.97 percent on 0.3 micron size particles.
6. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall transport all materials capable of

generating any amount of fugitive lead-dust emissions at the facility within closed conveyor systems or in closed containers. When transporting any materials capable of generating any amount of fugitive lead-dust emissions via forklift or any other mobile transportation method in open alleys or any other open or partially open areas of the Exide facility, the materials capable of generating any amount of fugitive lead-dust emissions shall be transported in closed containers and in such a manner as to prevent fugitive lead emissions from being released into the ambient atmosphere. This condition shall not apply to lead-bearing materials handled or transported within totally enclosed buildings that are maintained under negative pressure as described in Condition No. 16.

7. Not later than forty five (45) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall maintain on site a mobile sweeper. The mobile sweeper shall be a sweeper that is  $PM_{10}$ -compliant pursuant to AQMD Rule 1186.
8. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, Exide shall, using the mobile sweeper specified in Condition No. 7, routinely sweep three times every calendar day, Sunday through Saturday. Each routine sweeping event shall occur at least once per operating shift and each sweeping event shall be not less than four (4) hours apart. Each routine sweeping event shall include the sweeping of all concrete, asphalted areas, and plant roadways of the Exide Technologies property, as well as facility adjacent sidewalks. Exide shall meet with the proper authorities in the City of Vernon to discuss the possibilities of sweeping city roadways, including but not limited to portions of 26<sup>th</sup> Street and Indiana Street. The AQMD shall be notified 3 working days in advance of these meetings. In addition, Exide shall, in addition to the three routine sweeping events specified above, sweep as necessary any areas of concrete, asphalted areas, and plant roadways of the Exide Technologies property where accidents, mishaps and/or process upsets result in deposition of lead bearing material and/or dust. Exide Technologies shall not be required to comply with this condition on rainy days for both routine and non-routine sweeping events. The mobile street sweeper shall be maintained and operated in accordance with all manufacturer specifications. Any mechanical malfunctions of the sweeper that either precludes or prevents its operation shall be immediately reported to the AQMD at 1.800.CUT.SMOG and reported as a breakdown pursuant to AQMD Rule 430 – Breakdown Provisions. If the sweeper is not repaired within 3 calendar days of a reported breakdown, the Executive Officer shall be notified and an alternate sweeper meeting the operating criteria and capabilities in Condition No. 7 shall be placed on site and shall be immediately operated by Exide Technologies or a selected contractor. Records shall be kept of the mobile sweeping activities to demonstrate compliance with this condition including all dates and times of operation, areas where sweeping has occurred, all maintenance and repairs performed on the sweeper, and the name and signature of the responsible person carrying out the particular activity. Such records shall be kept in a format approved by the Executive Officer or designee and made

available upon request. The breakdown reporting provisions of this condition shall apply only to the sweeper as noted and shall not require the shutdown of any other equipment(s).

9. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, the interior and exterior areas and surfaces of the Raw Materials Preparation Storage Area (Battery Breaker Area) shall be completely and entirely washed down with water each shift that the hammer mill (Device D1) is operated, with each cleaning being not less than four (4) hours apart. All liquids and runoff from the washing down of exterior areas and surfaces shall be discharged into Exide Technologies' storm water retention pond. Alternatively, in lieu of washing down the exterior areas and surfaces with water, the exterior areas and surfaces may be cleaned using either a certified sweeper pursuant to Condition No. 7 or an AQMD permitted HEPA vacuum having a minimum efficiency guaranteed by the manufacturer of 99.97 percent on 0.3 micron size particles.
10. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, dust suppression practices, including but not limited to the use of water or other AQMD approved chemical dust suppressants as specified in AQMD's Rule 403 Handbook, shall be applied in all areas where fugitive lead-dust emissions potential exists resulting from any maintenance or operations activity. In the event that dust suppression practices pose a safety risk to affected employees due to the nature of the maintenance or operations activity (e.g. electrical work, arc welding, etc.), the dust suppression practices may be suspended until such time that the safety risk (electrical work, arc welding, etc.) has been completed or removed, and once removed, the dust suppression practices shall be immediately implemented.
11. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall, on a monthly basis, clean the entire roof tops of the smelting refining building, blast furnace feed building, and finished lead warehouse building and on a semiannual basis clean the roof tops of the RMPS and reverb feed buildings. Exide Technologies shall clean the roof tops in sections or all at once by washing with water or spot vacuuming them using an AQMD permitted HEPA-type vacuum with a minimum efficiency guaranteed by the manufacturer of 99.97 percent on 0.3 micron size particles. Exide shall keep a record of the dates and times of the cleanings. After six (6) months of such roof cleanings, Exide may file a Rule 1420 Plan amendment application to request that the Executive Officer change the frequency of the roof cleanings.
12. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, throughout each operating day, as appropriate and necessary to prevent fugitive lead dust emissions, Exide Technologies shall spot clean all traffic areas where any visible dust has accumulated including any visible dust

that has accumulated outside of all office areas. The spot cleaning shall be accomplished using a wet mopping technique or by using an AQMD permitted HEPA-type vacuum with a minimum efficiency guaranteed by the manufacturer of 99.97 percent on 0.3 micron size particles.

13. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, at least one time each operating day, Exide Technologies shall inspect, and as necessary, empty and clean out all drums containing Personal Protective Equipment (PPE) and dispose of all contaminated PPE as hazardous waste.
14. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, all materials capable of generating any amount of fugitive lead-dust emissions shall be stored inside an enclosure or, if stored outside, shall be sufficiently covered with plastic or a tarp to prevent lead-bearing dust from entering ambient air.
15. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, those Exide Technologies staff responsible for compliance with Rule 1420 - Emissions Standard for Lead, housekeeping requirements, shall receive training in all Rule 1420 housekeeping provisions and requirements before commencing with any Rule 1420 housekeeping duties, and future training shall be conducted yearly thereafter. Any new employees that will be responsible for carrying out any Rule 1420 housekeeping activities shall be trained within 60 days of date of hire and before participating in any housekeeping activities. Training records, including staff names of trainees, shall be retained for 5 years on site in a format approved by the Executive Officer or designee and made available upon request.
16. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, process fugitive lead-dust emissions generated at Exide Technologies from the smelter/refining building and the blast furnace feed room shall only be generated within a total enclosure subject to general ventilation that maintains the enclosure at a lower than ambient pressure to ensure in-draft through any and all doorways, windows, passages or openings of the enclosure. Process fugitive lead-dust emissions generated from the reverb furnace feed room shall be contained within a partial enclosure and shall be subject to the requirements of 40 CFR 63.545(c)(5).
17. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall install at each leeward wall(s) of each of the total enclosures identified in Condition No. 16 (smelter/refining building and the blast furnace feed room), a differential pressure gauge to measure on an ongoing basis, the pressure difference between the inside and outside of the enclosure. The gauge shall be certified by the manufacturer to be capable of

measuring the pressure differential in the range of 0.02 to 0.2 millimeters of mercury (Hg).

18. Not later than seven (7) days after installation of the differential pressure gauges described in Condition No. 17, which shall include testing and 'debugging', Exide Technologies shall demonstrate to the satisfaction of the Executive Officer or designee that the inside of each total enclosure, as described in Condition Nos. 16 and 17, is maintained at a negative pressure as compared to the outside of the enclosure by ensuring that the differential pressure measured by each of the gauges installed pursuant to Condition No.17 is no less than 0.02 millimeters of mercury (Hg) when all of the enclosure doorways and openings are in the position they are in during normal operations. The pressure reading of each gauge at each wall shall be recorded three times every calendar day, Sunday through Saturday. Each pressure reading recording event shall occur at least once per operating shift and each recording event shall not be less than four (4) hours apart. The record shall be in a format approved by the Executive Officer or designee and made available upon request. After six (6) months of recording the differential pressures, Exide may file a Rule 1420 Plan amendment application to request that the Executive Officer change the frequency of the recording of the differential pressures.
19. In the event the 0.02 millimeter mercury pressure standard in Condition No. 18 is violated, Exide Technologies shall, within one hour of discovery of the violation, contact the AQMD at 1.800.CUT.SMOG and report the situation as a breakdown pursuant to Rule 430 - Breakdown Provisions, and take immediate steps to remedy the situation. The breakdown reporting provisions of this condition shall apply only to the pressure differential gauge as noted and shall not require the shutdown of any other equipment(s).
20. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall use a propeller anemometer to demonstrate that there is in-draft at all doorways and openings of each of the total enclosures described in Condition No. 16. The propeller anemometer shall either be permanently installed at each doorway or opening or a hand held propeller anemometer shall be used. The demonstration shall occur at each doorway and opening of each enclosure at least once per operating shift and each demonstration shall not be less than four (4) hours apart and shall demonstrate that in-draft occurs across the entire doorway or opening. The anemometer shall be calibrated in accordance with manufacturer's recommendations and records of in-draft demonstrations shall be kept in a format approved by the Executive Officer or designee and made available upon request. After six (6) months of anemometer in-draft demonstrations, Exide may file a Rule 1420 Compliance Plan amendment application to request that the Executive Officer change the frequency of the anemometer in-draft demonstrations or that the in-draft demonstrations no longer be required.

21. Not later than fifteen (15) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall, pursuant to Rule 1420 (g), submit to the AQMD for review and approval the appropriate air dispersion modeling protocol for establishing three (3) to four (4), as determined appropriate by AQMD, on-site fence line ambient lead monitors, and at least two (2) off-site ambient lead monitors in accordance with the requirements of 40 CFR Parts 50, 53 and 58. "Not later than sixty (60) days after AQMD's approval of the dispersion modeling protocol, Exide Technologies shall complete the dispersion modeling, establish the location of the on-site fence line ambient lead monitors and off-site ambient lead monitors, and submit a report containing this information to AQMD for approval. After placement of the on-site fence line and off-site monitors and after six months of data collection, Exide may file a Rule 1420 Compliance Plan amendment to reduce the number of ambient lead monitors.
22. Not later than 30 (thirty) days after the AQMD approval of the proposed locations of the fence line ambient lead monitors and the off-site ambient lead monitors in Condition No. 21, Exide Technologies shall install the monitors at those approved locations and immediately commence collecting and reporting lead sampling data from the ambient lead monitors in the manner prescribed in Rule 1420(g). The sampling data shall include the continuous recording of wind speed and wind direction during sampling periods pursuant to Rule 1420(g)(6). In the event that there is a malfunction or breakdown of any of the six ambient lead monitors or the equipment used to record wind speed and direction, Exide Technologies shall, within four hours of when the operator knew or reasonably should have known of a malfunction or breakdown, contact the AQMD at 1.800.CUT.SMOG and report the situation as a breakdown pursuant to Rule 430 - Breakdown Provisions, and take immediate steps to remedy the situation. The breakdown reporting provisions of this condition shall apply only to the ambient lead monitors and off-site monitors as noted and shall not require the shutdown of any other equipment(s).
23. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall, within three (3) business days of the sampling devices collecting any 24-hour sample(s) at any of the six monitors, obtain the laboratory results reflecting the ambient lead concentrations of the collected sample(s). In the event that any of the results of any of the daily collected samples exceeds the established allowable federal ambient lead concentration, Exide shall notify the Executive officer within four hours and immediately conduct an investigation of the exceedance. The investigation shall identify all potential sources/causes of the exceedance(s) including process abnormalities, housekeeping breaches, or any other such source or cause. Exide Technologies shall maintain a record of the date and time of the exceedance(s), the results of the investigations, and the steps taken to ensure the reported exceedance(s) does not reoccur. Records shall be in a format approved by the Executive Officer or designee and made available upon request. After six (6)

months of obtaining results in three business days, Exide may file a Rule 1420 Compliance Plan amendment application to request that the Executive Officer change the three (3) business day time frame for obtaining laboratory results.

24. Not later than thirty (30) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall update The Standard Operating Procedures (SOP), NESHAP Compliance Plan for Fugitive Sources, previously submitted by GNB Technologies Inc., in July 1997, to reflect current Exide Technologies, Inc., ownership status and modified to reflect all applicable operating practices now required by this Rule 1420 Compliance Plan.
25. Not later than fifteen (15) days after receipt of their approved amended Rule 1420 Compliance Plan, Exide Technologies shall retain the services of an Environmental Manager whose responsibility shall be to assure ongoing and sustained compliance with the terms and conditions of this agreement, and all applicable AQMD Rules and Regulations including: Rule 201, Permit to Construct, Rule 203 – Permit to Operate, Rule 401 – Visible Emissions, Rule 402 – Public Nuisance, Rule 403 – Visible Emissions, Rule 1158 – Storage, Handling, and Transport of Coke, Coal and Sulfur, Rule 1420 – Emissions Standard for Lead, and all relevant and applicable state and federal standards including but not limited to State of California Air Toxics Control Measure for Lead, National Ambient Air Quality Standards for Lead, National Emissions Standards for Hazardous Air Pollutants, 40CFR Part 63, Subpart X and federal Title V, Section J provisions and requirements. The Environmental Manager shall be empowered with decision making authority to expeditiously employ sufficient mitigation measures to gain facility compliance in the event of equipment breakdown or failure, fugitive lead-dust emissions, insufficient housekeeping, or any other situation that either causes or will cause non-compliance with any of the aforementioned conditions, rules or regulations. Records of all actions performed by the Environmental Manager including the date and time of incident occurrence, full written explanation of the nature and extent of the incident and both short- and long-term corrective action taken to remedy the situation. Records shall be kept in a format approved by the Executive Officer or designee and made available upon request.
26. Effective immediately upon receipt of their approved amended Rule 1420 Compliance Plan, where not elsewhere specified in these conditions, Exide shall keep, in a format approved by the Executive Officer or his designee, records to demonstrate compliance with all conditions of this Rule 1420 Compliance Plan. Each record shall include dates and times of activities required by the conditions of this Plan, and shall include the name and signature of the responsible person keeping the records. The records shall be kept for a minimum of five years and shall be made available to AQMD personnel upon request.

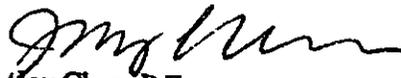
May 7, 2008

27. The AQMD may at any time amend this plan to incorporate and impose additional conditions, including but not limited to sampling and monitoring requirements, for the purpose of achieving compliance with all applicable federal, state, and AQMD rules and regulations. Failure to comply with all conditions, terms, and agreements contained in this Rule 1420 Compliance Plan could result in additional enforcement action.

It is your responsibility to fully comply with all other applicable Rule 1420 requirements, all other applicable AQMD Rules and Regulations and with all laws, ordinances, and regulations of other government agencies which are applicable to the operation of the equipment.

This plan shall be incorporated into the written Standard Operating Plan (SOP) required by 40 CFR 63 Subpart X. Please ensure that a copy of this letter is kept on site with your facility permit to facilitate compliance determination. Should you have any questions regarding this plan approval, please contact Thomas Liebel at (909) 396-2554.

Very truly yours,

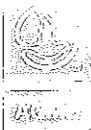


Jay Chen, P.E.  
Senior Engineering Manager  
Refinery and Waste Management Permitting

JC:TL

cc: Edwin L. Pupka, Compliance  
File

May 7, 2008 - FINAL

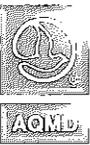


**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**SECTION J: AIR TOXICS  
[40CFR 63 Subpart X, #01 01-29-1999]**

**SECONDARY LEAD SMELTING FACILITIES, WITH  
COLLOCATED BLAST AND REVERBERATORY FURNACES**

1. The owner/operator shall comply with all applicable requirements of 40 CFR 63, Subpart X and of Subpart A - General Provisions by the date(s) specified in these subparts.
2. The owner/operator shall submit all reports, notifications, plans, submittals and other communications required by Subpart X or Subpart A to the AQMD and, unless notified to the contrary by AQMD or US EPA, to US EPA Region IX (See Sections E and K of this permit for addresses).
3. Gases discharged to the atmosphere from any blast, reverberatory, rotary, or electric smelting furnace shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).
4. All process fugitive emission sources, excluding all dryer transition emission sources, shall be located in a total enclosure.
5. All enclosure hoods over all dryer transition points shall be ventilated to maintain a face velocity of at least 350 feet per minute (110 meters per minute).
6. All enclosure hoods, and total enclosures or building ventilation shall be vented to (an) air pollution control device(s). Gases discharged to the atmosphere from the(se) control device(s) shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).
7. All dryer emission vents and agglomerating furnace emission vents shall be vented to (an) air pollution control device(s). Gases discharged to the atmosphere from the(se) control device(s) shall not contain lead compounds in excess of 2.0 milligrams of lead per dry standard cubic meter (0.00087 grains of lead per dry standard cubic foot).

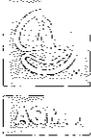


## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **SECTION J: AIR TOXICS**

**[40CFR 63 Subpart X, #01 01-29-1999]**

8. The owner/operator shall maintain the ventilation in the total enclosure building at a lower than ambient pressure to ensure an in-draft through the doorway opening(s). The static differential pressure of the inside of the building as compared to the outside of the building shall be no less than 0.02 mm Hg when all doors are in the position they are in during normal operation.
9. The total hydrocarbon emissions from a collocated blast furnace and reverberatory furnace shall not exceed 20 parts per million by volume, expressed as propane corrected to 4 percent carbon dioxide.
10. The total hydrocarbon emissions from a collocated blast furnace and reverberatory furnace shall not exceed 360 parts per million by volume, expressed as propane corrected to 4 percent carbon dioxide, during periods when the reverberatory furnace is not operating.
11. The total hydrocarbon emission rate for the blast furnace process fugitive emissions shall not exceed 0.44 pounds per hour (0.20 kilograms per hour).
12. An initial compliance test, to determine lead compound emissions from all control devices, shall be conducted no later than June 20, 1998. Thereafter, an annual compliance test shall be conducted no later than 12 calendar months from the initial compliance test date. The testing frequency may be reduced to a test every 24 calendar months provided the previous compliance test from the source demonstrates that the lead compound emissions were 1.0 milligrams of lead per dry standard cubic meter (0.00044 grains per dry standard cubic foot) or less.
13. An initial compliance test, to determine hydrocarbon emissions from the collocated blast furnace and reverberatory furnace, shall be conducted no later than June 20, 1998.
14. The test methods used shall comply with requirements of Section 63.547.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION J: AIR TOXICS

[40CFR 63 Subpart X, #01 01-29-1999]

15. A device that is calibrated to continuously monitor and record the temperature of the afterburner or the combined blast furnace and reverberatory furnace exhaust streams shall be installed. The monitoring device shall meet the requirements for continuous monitoring systems in Subpart A, General Provisions.
16. Prior to, or in conjunction with the initial compliance test to determine compliance with the hydrocarbon standards, a performance evaluation for the temperature monitoring device shall be conducted according to Section 63.8(e) of the General Provisions. The definitions, installation specifications, test procedures, and data reduction procedures for determining calibration drift, relative accuracy, and reporting described in Performance Specification 2, 40 CFR Part 60, Appendix B, Sections 2, 3, 5, 7, 8, 9, and 10 shall be used to conduct the evaluation. The temperature monitoring device shall meet the performance and equipment specifications as listed in Section 63.548, paragraph (j)(1).
17. The temperature of the afterburner or the combined blast furnace and reverberatory furnace exhaust streams shall be monitored and recorded every 15 minutes during the total hydrocarbon compliance test to determine an arithmetic average for the recorded temperature measurements.
18. The temperature of the afterburner or combined exhaust temperature shall be maintained in such a manner that the average temperature in any three hour period does not fall more than 50 deg. F (28 deg. C) below the average established during the compliance test for hydrocarbon standards, as stated in Sections D and/or H of this Facility Permit.
19. The control of fugitive dust shall be maintained in accordance with the standard operating procedures (SOP) manual that was submitted pursuant to the requirements of Section 63.545 and that has been approved by the AQMD.
20. The owner/operator shall comply with all applicable monitoring requirements of Section 63.548.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION J: AIR TOXICS

[40CFR 63 Subpart X, #01 01-29-1999]

21. The procedures for inspection, maintenance and the bag leak detection and corrective action plan for all baghouses (fabric filters) that are used to control process, process fugitive, or fugitive dust emissions from any source subject to the lead emission standards in, including those used to control emissions from building ventilation, shall be pursuant to the standard operating procedures (SOP) manual that was submitted pursuant to the requirements of Section 63.548 and that has been approved by the AQMD.
22. The bag leak detection system shall meet the requirements of Section 63.548 (e)(1) through (e)(8) and follow procedures outlined in the USEPA's Fabric Filter Bag Leak Detection Guidance dated September 1997 or any revisions thereafter.
23. The owner/operator shall comply with the notification requirements pursuant to Section 63.549.
24. The owner/operator shall comply with all recordkeeping and reporting requirements pursuant to Section 63.550.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

#### Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under section 129(e) of the Clean Air Act, this permit shall expire five years from the date that this Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]  
  
(B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

#### Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

#### Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

#### Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
- (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.
  - (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
  - (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

#### COMPLIANCE PROVISIONS

8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
- (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
  - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

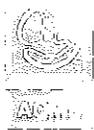
9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
  - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
  - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
  - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
  - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
  
10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]
  
11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
  
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
  
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
- (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
  - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
  - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
  - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
  - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
  - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
    - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
    - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
    - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
    - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
  - (B) The operator complies with the breakdown provisions of Rule 430 – Breakdown Provisions, or subdivision (i) of Rule 2004 – Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

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<sup>1</sup> "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
- (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
  - (B) The date(s) analyses were performed;
  - (C) The company or entity that performed the analyses;
  - (D) The analytical techniques or methods used;
  - (E) The results of such analyses; and
  - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

### REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
- (A) Breakdowns shall be reported as required by Rule 430 – Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

- (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.
  - (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
  - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;



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## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

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### SECTION K: TITLE V Administration

- (B) The compliance status during the reporting period;
- (C) Whether compliance was continuous or intermittent;
- (D) The method(s) used to determine compliance over the reporting period and currently, and
- (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn:  
Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

### PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the TitleV application file. [3004(a)(4)]



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

#### FACILITY RULES

*This facility is subject to the following rules and regulations*

With the exception of Rule 402, 473, 477, 1118 and Rules 1401 through 1420, the following rules that are designated as non-federally enforceable are pending EPA approval as part of the state implementation plan. Upon the effective date of that approval, the approved rule(s) will become federally enforceable, and any earlier versions of those rules will no longer be federally enforceable.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1113	11-8-1996	Federally enforceable
RULE 1113	7-13-2007	Non federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	7-11-1997	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	12-7-1990	Non federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1402	3-4-2005	Non federally enforceable
RULE 1407	7-8-1994	Non federally enforceable
RULE 1420	9-11-1992	Non federally enforceable
RULE 1420.1	11-5-2010	Non federally enforceable
RULE 2005	5-6-2005	Federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 3004	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	5-7-2010	Non federally enforceable
RULE 304	5-7-2010	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 403	4-2-2004	Federally enforceable
RULE 403	6-3-2005	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 60 Subpart L	12-3-1976	Federally enforceable
40CFR 63 Subpart X	6-23-2003	Federally enforceable
40CFR 63 Subpart X, #01	1-29-1999	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable
40CFR Part 64	10-22-1997	Federally enforceable



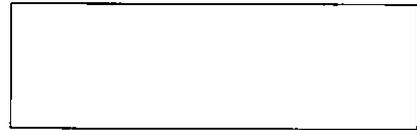
## **FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES**

### **APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN PERMIT PURSUANT TO RULE 219**

1. PROCESS HEATERS, NATURAL GAS
2. LAB EQUIPMENT



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 11-08-1996]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified.

**TABLE OF STANDARDS**

**VOC LIMITS**

**Grams of VOC Per Liter of Coating,  
Less Water And Less Exempt Compounds**

COATING	Limit*	Effective Date of Adoption	Effective 1/1/1998	Effective 1/1/1999	Effective 7/1/2001	Effective 1/1/2005	Effective 7/1/2008
Bond Breakers	350						
Clear Wood Finishes							
Varnish	350						
Sanding Sealers	350						
Lacquer	680		550			275	
Concrete-Curing Compounds	350						
Dry-Fog Coatings	400						
Fire-proofing Exterior Coatings	350	450		350			
Fire-Retardant Coatings							
Clear	650						
Pigmented	350						
Flats	250				100		50
Graphic Arts (Sign) Coatings	500						



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 11-08-1996]**

Industrial Maintenance						
Primers and Topcoats						
Alkyds	420					
Catalyzed Epoxy	420					
Bituminous Coatings	420					
Materials						
Inorganic Polymers	420					
Vinyl Chloride Polymers	420					
Chlorinated Rubber	420					
Acrylic Polymers	420					
Urethane Polymers	420					
Silicones	420					
Unique Vehicles	420					
Japans/Faux Finishing	350	700		350		
Coatings						
Magnesite Cement Coatings	600			450		
Mastic Coatings	300					
Metallic Pigmented Coatings	500					
Multi-Color Coatings	420		250			
Pigmented Lacquer	680		550			275
Pre-Treatment Wash Primers	780					
Primers, Sealers, and	350					
Undercoaters						
Quick-Dry Enamels	400					
Roof Coatings	300					
Shellac						
Clear	730					
Pigmented	550					
Stains	350					
Swimming Pool Coatings						
Repair	650					
Other	340					
Traffic Coatings	250		150			
Waterproofing Sealers	400					
Wood Preservatives						
Below-Ground	350					
Other	350					

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

**TABLE OF STANDARDS (cont.)**

**VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 05-14-1999]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6) of Rule 1113, the operator shall not supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, the operator shall not supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings for residential use; or of any rust-preventative coating for industrial use.



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 05-14-1999] TABLE OF STANDARDS VOC LIMITS

**Grams of VOC Per Liter of Coating,  
Less Water And Less Exempt Compounds**

COATING	Limit*	Effective 1/1/1998	Effective 1/1/1999	Effective 5/14/99	Effective 7/1/2001	Effective 7/1/2002	Effective 1/1/2005	Effective 7/1/2006	Effective 7/1/2008
Bond Breakers	350								
Chemical Storage Tank Coatings	420							100	
Clear Wood Finishes									
Varnish	350								
Sanding Sealers	350								
Lacquer	680	550					275		
Concrete-Curing Compounds	350								
Dry-Fog Coatings	400								
Essential Public Service Coating	420					340		100	
Fire-proofing Exterior Coatings	450		350						
Fire-Retardant Coatings									
Clear	650								
Pigmented	350								
Flats	250				100				50
Floor Coatings	420					100		50	
Graphic Arts (Sign) Coatings	500								
High Temperature Industrial Maintenance Coatings						550		420	
Industrial Maintenance Coatings	420					250		100	
Japans/Faux Finishing Coatings	700		350						
Magnesite Cement Coatings	600		450						
Mastic Coatings	300								
Metallic Pigmented Coatings	500								
Multi-Color Coatings	420	250							
Non-Flat Coatings	250					150		50	
Pigmented Lacquer	680	550					275		
Pre-Treatment Wash Primers	780								
Primers, Sealers, and Undercoaters	350					200		100	
Quick-Dry Enamels	400					250		50	



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 05-14-1999]

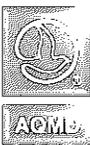
Quick-Dry Primers, Sealers, and Undercoaters	350**					200		100	
Recycled Coatings				250		250		100	
Roof Coatings	300			250					
Bituminous Roof Coatings	300					250			
Rust Preventative Coatings	420			400				100	
Shellac									
Clear	730								
Pigmented	550								
Specialty Primers	350							100	
Stains	350					250			
Swimming Pool Coatings									
Repair	650								
Other	340								
Traffic Coatings	250	150							
Waterproofing Sealers									
Wood	400					250			
Concrete/Masonry	400								
Wood Preservatives									
Below-Ground	350								
Other	350								

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards

\*\* The specified limit applies unless the manufacturer submits a report pursuant to Rule 1113(g)(2).

### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 10-08-1999]

Except as otherwise provided in Rule 1171, the operator shall not use a solvent to perform solvent cleaning unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	Current limits		Effective 12/1/2001	Effective 7/1/2005
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application				
(i) General	70 (0.58)		50 (0.42)	25 (0.21)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)	33	500 (4.2)	100 (0.83)
(iii) Medical Devices & Pharmaceuticals	900 (7.5)	33	800 (6.7)	800 (6.7)
(B) Repair and Maintenance Cleaning				
(i) General	50 (0.42)		50 (0.42)	25 (0.21)



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1171 10-08-1999]**

SOLVENT CLEANING ACTIVITY	Current limits		Effective 12/1/2001	Effective 7/1/2005
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
(ii) Electrical Apparatus Components & Electronic Components	900 (7.5)	20	900 (7.5)	100 (0.83)
(iii) Medical Devices & Pharmaceuticals	900 (7.5)	33		
(I) Tools, Equipment, & Machinery			800 (6.7)	800 (6.7)
(II) General Work Surfaces			600 (5.0)	600 (5.0)
(C) Cleaning of Coatings, or Adhesives Application Equipment	950 (7.9)	35	550 (4.6)	25 (0.21)
(D) Cleaning of Ink Application Equipment				
(i) General	100 (0.83)	3	50 (0.42)	25 (0.21)
(ii) Flexographic Printing	100 (0.83)	3	50 (0.42)	25 (0.21)
(iii) Gravure Printing				
(I) Publication	900 (7.5)	25	750 (6.3)	100 (0.83)
(II) Packaging	100 (0.83)	3	50 (0.42)	25 (0.21)



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 10-08-1999]

	Current limits		Effective 12/1/2001	Effective 7/1/2005
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC g/l (lb/gal)
<b>SOLVENT CLEANING ACTIVITY</b>				
(iv) Lithographic or Letter Press Printing				
(I) Roller Wash – Step 1	900	10	600 (5.0)	100 (0.83)
(II) Roller Wash- Step 2, Blanket Wash, & On- Press Components	900	10	800 (6.7)	100 (0.83)
(III) Removable Press Components			50 (0.42)	25 (0.21)
(v) Screen Printing	1070 (8.9)	5	750 (6.3)	100 (0.83)
(vi) Ultraviolet Ink Application Equipment (except screen printing)	800 (6.7)	33	800 (6.7)	100 (0.83)
(vii) Specialty Flexographic Printing	810 (6.8)	21	600 (5.0)	100 (0.83)
(E) Cleaning of Polyester Resin Application Equipment	50 (0.42)		50 (0.42)	25 (0.21)



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 06-13-1997]

Except as otherwise provided in Rule 1171, the operator shall not use a solvent to perform solvent cleaning unless the solvent complies with the applicable requirements set forth below:

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS		Effective 1/1/1999	
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application				
(i) General	70 (0.58)			
(ii) Electronic Components or Medical Devices	900 (7.5)	33		
(B) Repair and Maintenance Cleaning				
(i) General	900 (7.5)	20	50 (0.42)	
(ii) Electrical Apparatus Components	900 (7.5)	20		
(iii) Medical Devices	900 (7.5)	33		



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 06-13-1997]

SOLVENT CLEANING ACTIVITY	CURRENT LIMITS		Effective 1/1/1999	
	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)	VOC g/l (lb/gal)	VOC Composite Partial Pressure mm Hg @ 20°C (68°F)
(C) Cleaning of Coatings, or Adhesives Application Equipment	950 (7.9)	35		
(D) Cleaning of Ink Application Equipment				
(i) General	100 (0.83)	3		
(ii) Flexographic or Gravure Printing	100 (0.83)	3		
(iii) Lithographic or Letter Press Printing	900 (7.5)	25		10
(iv) Screen Printing	1070 (8.9)	5		
(v) Ultraviolet Inks (except screen printing)	800 (6.7)	33		
(vi) Specialty Flexographic Printing	810 (6.8)	21		
(E) Cleaning of Polyester Resin Application Equipment	50 (0.42)			
or		1		



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 404(a)**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
		Milligrams per Cubic Meter	Grains per Cubic Foot			Milligrams per Cubic Meter	Grains per Cubic Foot
Cubic meters Per Minute	Cubic feet Per Minute			Cubic meters Per Minute	Cubic feet Per Minute		
25 or less	883 or less	450	0.196	900	31780	118	0.0515
30	1059	420	.183	1000	35310	113	.0493
35	1236	397	.173	1100	38850	109	.0476
40	1413	377	.165	1200	42380	106	.0463
45	1589	361	.158	1300	45910	102	.0445



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
50	1766	347	.152	1400	49440	100	.0437
60	2119	324	.141	1500	52970	97	.0424
70	2472	306	.134	1750	61800	92	.0402
80	2825	291	.127	2000	70630	87	.0380
90	3178	279	.122	2250	79460	83	.0362
100	3531	267	.117	2500	88290	80	.0349
125	4414	246	.107	3000	105900	75	.0327
150	5297	230	.100	4000	141300	67	.0293
175	6180	217	.0947	5000	176600	62	.0271
200	7063	206	.0900	6000	211900	58	.0253
250	8829	190	.0830	8000	282500	52	.0227
300	10590	177	.0773	10000	353100	48	.0210
350	12360	167	.0730	15000	529700	41	.0179
400	14130	159	.0694	20000	706300	37	.0162
450	15890	152	.0664	25000	882900	34	.0148



**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 404 02-07-1986]**

Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter <sup>2</sup> Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions		Volume Discharged Calculated as Dry Gas At Standard Conditions		Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
500	17660	146	.0637	30000	1059000	32	.0140
600	21190	137	.0598	40000	1413000	28	.0122
700	24720	129	.0563	50000	1766000	26	.0114
800	28250	123	.0537	70000 or more	2472000 or more	23	.0100



## FACILITY PERMIT TO OPERATE EXIDE TECHNOLOGIES

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

**TABLE 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
		Kilograms Per Hour	Pounds Per Hour			Kilograms Per Hour	Pounds Per Hour
100 or less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

**FACILITY PERMIT TO OPERATE  
EXIDE TECHNOLOGIES**

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Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0



SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 Copley Drive, Diamond Bar, CA 91765

