



South Coast Air Quality Management District

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

December 10, 2013

Mr. Gerardo C. Rios
Chief of Permit Operation
U. S. EPA, Region IX
75 Hawthorne Street, AIR 3
San Francisco, CA 94105-3901

Dear Mr. Rios:

Light Metals, Inc. (ID 83102) has proposed to revise their Title V Permit by the addition of a Lime Silo and the update of conditions for Furnace A and Baghouse 6. Light Metals manufactures aluminum ingot from scrap aluminum (NAICS 331314) and is located at 13329 Ector Street, City of Industry, CA 91746. This proposed permit revision is considered a "de minimus significant" permit revision to their Title V permit. Attached for your review are the evaluation and permit for the proposed permit revision. With your receipt of the proposed Title V permit revision today, we will note that the EPA 45-day review period will begin on December 10, 2013.

If you have any questions or need additional information regarding the proposed permit revision, please contact Ms. Monica Fernandez-Neild at 909.396.2202.

Very truly yours,

A handwritten signature in black ink, appearing to read "Mohan Balagopalan". The signature is fluid and cursive, written over the typed name.

Mohan Balagopalan
Senior Manager
Chemical, Mechanical and Port Permitting

MB:mfn

Attachments

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**CHANGE OF CONDITION
PERMIT TO OPERATE ANALYSIS**

FACILITY MAILING ADDRESS

Light Metals, Inc.
13329 Ector Street
City of Industry, CA 91746

(ID: 083102 NOx RECLAIM Cycle 2 - Title V)

EQUIPMENT LOCATION

Same as above

EQUIPMENT DESCRIPTION

APPLICATION NO.: 544242 CHANGE OF CONDITION

PROCESS 2: MELTING OPERATION

D11: FURNACE, A, ALUMINUM MELTING REVERBATORY TYPE, MODEL M30-CDS-C/2, 120,000 POUND CAPACITY, TWO BOC FLAT JET TYPE, LOW NOx BURNERS, 10,000,000 BTU PER HOUR TOTAL, OXY-FUEL, WITH 20-HP COMBUSTION AIR BLOWER, AND ONE 20-HP METALLICS CIRCULATION/CHLORINE INJECTION PUMP.

APPLICATION NO.: 544246 CHANGE OF CONDITION

PROCESS 4: AIR POLLUTION CONTROL

C50: BAGHOUSE, NO. 6, PANGBORN, MODEL 5-456 CT, MECHANICAL SHAKER TYPE, 2,280 BAGS, EACH, 0'-5" DIA X 11'-0" L, 33,630 SQ. FT, TOTAL CLEANING AREA WITH A BAG LEAK DETECTION SYSTEM VENTING ONE ALUMINUM HOLDING FURNACE (D42) AND THE COMBUSTION GASES AND CHARGE WELLS OF TWO ALUMINUM REVERBATORY FURNACES (D11 & D21).

APPLICATION NO.: 544248 FACILITY PERMIT MODIFICATION

APPLICATION NO.: 544515 PERMIT TO OPERATE

SILO, COLUMBIAN TECTANK, INC., LIME, 12'-0" DIA. X 28'-0" H., 1,700 CUBIC FEET CAPACITY, WITH 60° CONE, 7'-0" DIA. DISCHARGE HOPPER.

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HISTORY

Applications Nos. 544242 and 544246 were filed on October 23, 2012, for change of condition permits. Application No. 544248 was filed on October 23, 2012, for a RECLAIM/Title V Facility Permit Modification. On October 31, 2012, Application No. 544515 was filed as a Class III permit to operate.

The following compliance activity was found in District records (CLASS computer database) for the past 2 years.

Complaints:

There have been 27 complaints in the last 2 years credited to Light Metals; 25 of the complaints are for strong odors and 2 of the complaints are for smoke/thick white cloud. One of the odor complaints came from Torch Middle School, which is adjacent to Light Metals. Another odor complaint came from local resident that lives about 1 block Northeast of Light Metals. 22 of the complaints are from a resident that is over a mile Northeast from Light Metal's property line.

Notices to Comply:

E16816, 09/18/2012 to provide information and documentation for annual inspection and repairs to baghouses, identify VEE certified employee, provide VEE readings conducted on baghouses, material processed per day, amount of chlorine injected, temperature recordings of afterburners.

All documentation provided, applicant in compliance of above request.

E16824, 10/11/2012 to provide information on capacity, installation date and monthly throughput for the Lime Silo.

Applicant provided information, applicant found in compliance of above request.

E06617, 10/15/2012 for Baghouse No. 6, the operator shall not vent more than one of the following items simultaneously, Device ID D11 Hearth and D21 Furnace.

Follow-up inspection indicates that applicant was operating in compliance.

Notices of Violation:

There have been no Notices of Violation issued to Light Metals within the past 2 years.

PROCESS DESCRIPTION

Light Metals, Inc. is a secondary aluminum processing facility. They melt aluminum scrap to produce aluminum ingot. They are located in an area that is a mixture of both industrial and residential. Their entire northeast property line borders Torch Middle School.

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DISCUSSION

Change of Condition - Furnace A (D11) & Baghouse 6 (C50)

The applicant has requested the removal of permit conditions E54.1, E57.1, and E69.1 on the basis that they are unnecessary, confusing and with no air quality benefit. Conditions E54.1 and E57.1 are conditioned to Furnace A, device ID D11; and Condition E69.1 is conditioned to Baghouse 6, device ID C50.

In the facility permit for Light Metals, Furnace A, device ID D11 is "connected to" Baghouses C15, C16 and C50, which requires D11 to be vented to/controlled by all 3 baghouses whenever it is in use. However, Condition E54.1 allows D11 to be vented to either Baghouses C15 & C16 or Baghouse C50. In the telephone conversation on July 9, 2013 with Nick Drakos, Vice President and General Manager of Light Metals, I let him know that without Condition E54.1 or similar condition, Light Metal risked operating in violation whenever all 3 baghouses were not used to control D11. Nick now understands this point and has rescinded his request to remove this condition. The descriptive word "hearth" has been added to the description for Device ID D11 for clarification between device IDs D11 and D54 since both devices are different vent points for Furnace A.

Light Metals needs the flexibility to vent any combination of both Reveratory Furnaces and the Holding Furnace, device ids D11& D54, D21 & D55 and D42 respectively in order to maintain proper operating temperature of the baghouse. Baghouse 6 has a maximum temperature of 360°F, Condition C6.4. 40CFR Part 63 Subpart RRR Section 63.1506(m)(3) requires Light Metals to maintain a 3-hour block average inlet temperature of the baghouse at or below the average temperature established during the required performance test, for Light Metals the 3-hour block inlet temperature is ~206°F. In the winter time, Light Metals may need to vent all 3 furnaces to Baghouse 6 to maintain the temperature throughout the baghouse above the dew point so moisture does not condense inside the baghouse yet low enough not to exceed the 206°F 3-hour average establish. In the summer time when the temperatures exceed 100°F, Baghouse 6 may only need to vent one of the furnaces to maintain the 3-hour average temperature below 206°F.

For the Subpart RRR performance test, Baghouse 6 was venting all 3 furnaces and was found to be in compliance with the RRR standards with an inlet rate of ~35,000 dscfm, Baghouse 6 has an exhaust capacity of 53,000 acfm.

All vent points of Furnace B (device ID D21 & D55) and the Holding Furnace (device ID D42) are only vented to Baghouse 6. The hearth (device ID D11) to Furnace A has the flexibility to vent to either Baghouses 1 & 2 (device IDs D15 & D16) or to Baghouse 6, while the Charge Well to Furnace A (device ID D54) can only vent to Baghouse 6. Condition E57.1 requires that Device D11 be vented to Baghouse 6, device ID C50,

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whenever Furnace B, devices ID D21 & D55, is not in operation. During an extremely hot day there is the possibility of Baghouse 6 exceeding the 3-hour average temperature of 206°F if it is required to vent all points of Furnace A and the Holding Furnace instead of allowing the hearth of Furnace A to be vented to Baghouses 1 & 2 and the rest of the vent points to be controlled by Baghouse 6. For this reason, removing Condition E57.1 is recommended.

Condition E69.1 is conditioned to Baghouse 6, device ID C50, and does not allow it to vent the hearth of Furnace A, device ID 11, and Furnace B, device IDs D21 and D55, simultaneously. Condition E69.1 was created for Baghouse 5, device ID C48, which had about a 1/3 of the surface filter area of Baghouse 6. Less than 2 years from receiving the P/C for Baghouse 5, Light Metals submitted the application for Baghouse 6. Light Metals determined that Baghouse 5 was undersized; Baghouse 6 replaced all functions of Baghouse 5. Condition C69.1 or any of the conditions originally for Baghouse 5 were not addressed. Condition C69.1's removal is recommended.

There are no changes in emissions associated with the above condition changes. The previous emissions shall be brought forward.

EVALUATION

Permit to Operate - A/N 544515 - Lime Silo

Per applicant the maximum amount of Lime received per month is 40,000, this information is consistent with the invoice information provided. Each bulk delivery is under 40,000 lbs and each bagged delivery is 25,000 lbs. For calendar years 2011 and 2012, there was not a bagged delivery the same month that a bulk delivery occurred. The invoice totals suggest that the yearly quantity of Lime received is about 200,000 lbs. A 40,000 a month limit will be conditioned to the silo.

Section 17, Lime Manufacturing, of Chapter 11, Mineral Products Industry, of EPA's AP-42 has a PM emission factor for loading lime into an enclosed truck. Even though this process is reverse, the silo is an enclosed vessel and this emission factor for our situation should be similar to the factor given in Table 11.17-4. The PM factor for loading lime into an enclosed truck is 0.61 lb_{pm}/ton_{lime}.

The baghouses that use the lime in the silo have a conditioned control efficiency of 99%

$$R1 = 0.61 \text{ lb}_{\text{pm}}/\text{ton}_{\text{lime}} \times 20 \text{ ton}_{\text{lime}}/\text{month} = 12.2 \text{ lb}_{\text{pm}}/\text{month}$$

$$PM_{10} = 0.29 \text{ PM}$$

$$PM_{10} = 3.538 \text{ lb}/\text{month} \rightarrow 30 \text{ Day Avg} = 0.118 \text{ lb}/\text{day}$$

$$R2_{\text{pm}_{10}} = 0.03538 \text{ lb}/\text{month} \rightarrow 30 \text{ Day Avg} = 0.00118 \text{ lb}/\text{day}$$

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RULES COMPLIANCE

- RULE 212: Public Notice is required. This facility is adjacent to Torch Middle School. The emission increase associated with the Lime Silo triggers a Rule 212 (c)(1) Public Notice.
- RULE 401: Visible emissions are not expected with proper operation of this equipment. Visible emissions complaints have been verified to be water vapor.
- RULE 402: Nuisance is not expected if equipment is properly operated and maintained.
- RULE 403: Fugitive dust is not expected if equipment is properly operated and maintained.
- RULE 1155: Continued compliance with this rule is expected.
- REG XIII/XX: BACT for the silo is venting to a baghouse, this silo is vented to Baghouses 1, 2 and 6. Compliance with BACT is met for the silo. The change of conditions for Furnace A and Baghouse 6 is not triggered, there are no emission increases.
- REG XXX: This is a de minimus significant permit revision. EPA 45-day review is required.
- Subpart RRR: Light Metals is a Secondary Aluminum Production company and subject to 40 CFR 63 Subpart RRR, the above requested changes do not have an adverse effect on the compliance status of the Facility.

RECOMMENDATION

Issue Permit to Operate as described in the facility permit and this report.

Application No. 544242

Conditions:

A99.1 THE 43.69 LBS/MMCF NOX EMISSION LIMIT(S) SHALL ONLY APPLY DURING HIGH FIRE CONDITIONS.

For the purposes of this condition, high fire shall be defined as a firing rate greater than 3,200 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

A99.3 THE 79.03 LBS/MMCF NOX EMISSION LIMIT(S) SHALL ONLY APPLY DURING LOW FIRE (IDLE) CONDITIONS.

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For the purposes of this condition, low fire shall be defined as a firing rate less than or equal to 3,200 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

B59.2 THE OPERATOR SHALL ONLY USE THE FOLLOWING MATERIAL(S) IN THIS DEVICE:

Combustion air containing 99.5 percent oxygen or greater

C1.3 THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 42 TON(S) IN ANY ONE CALENDAR MONTH.

For the purpose of this condition, throughput shall be defined as chlorine added.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

C1.4 THE OPERATOR SHALL LIMIT THE MATERIAL PROCESSED TO NO MORE THAN 2700 TON(S) IN ANY ONE CALENDAR MONTH.

For the purpose of this condition, material processed shall be defined as aluminum.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

C1.7 THE OPERATOR SHALL LIMIT THE FUEL USAGE TO NO MORE THAN 5.41 MM CUBIC FEET IN ANY ONE CALENDAR MONTH.

For the purpose of this condition, fuel usage shall be defined as natural gas.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

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 AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL

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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.

E54.1 THE OPERATOR IS NOT REQUIRED TO VENT THIS EQUIPMENT TO THE FOLLOWING EQUIPMENT IF ALL OF THE REQUIREMENTS LISTED BELOW ARE MET:

Device ID: C15 & 16 [Baghouses]

Requirement number 1: The hearth Furnace A is vented to C50.

~~E57.1 THE OPERATOR SHALL VENT THIS EQUIPMENT TO C50 WHENEVER FURNACE B, D21, IS SHUT DOWN.~~

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~~When venting the hearth for Furnace A, the damper to C15 & C16 shall be closed.~~

E336.1 THE OPERATOR SHALL VENT THE VENT GASES FROM THIS EQUIPMENT AS FOLLOWS:

The operator is not required to vent the furnace hearth to all three Baghouses. The operator may vent the furnace hearth to C15 and C16 or C50.

Application No. 544246

Conditions:

A72.1 THE OPERATOR SHALL MAINTAIN THIS EQUIPMENT TO ACHIEVE A MINIMUM REMOVAL EFFICIENCY OF 99 PERCENT FOR PM DURING THE NORMAL OPERATION OF THE EQUIPMENT IT VENTS.

C6.2 THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE DIFFERENTIAL PRESSURE BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 8 INCHES WATER COLUMN.

The operator shall record the parameter being monitored once every day.

The operator shall maintain records of the differential pressure across the bags in a manner approved by the District, to demonstrate compliance with this condition.

~~To comply with this condition, the operator shall monitor and record the differential pressure as specified in condition number 12.3.~~

C6.4 THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE TEMPERATURE BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 360 DEG F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature being supplied to the Baghouse.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

C8.1 THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE LIME INJECTION RATE BEING MONITORED, AS INDICATED BELOW, IS NOT LESS THAN 2.6 LB(S) PER 100 LBS OF CHLORINE INJECTED.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

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~~D12.3 THE OPERATOR SHALL INSTALL AND MAINTAIN A(N) PRESSURE GAUGE TO ACCURATELY INDICATE THE DIFFERENTIAL PRESSURE ACROSS THE BAGS.~~

~~The operator shall record the parameter being monitored once every day.~~

~~The operator shall maintain records of the differential pressure across the bags in a manner approved by the District, to demonstrate compliance with this condition.~~

D32.2 THE OPERATOR SHALL PERFORM A MONTHLY INSPECTION OF THE EQUIPMENT AND ALL FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA, AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL ALSO TAKE CORRECTIVE ACTION WITHIN 24 HOURS AND REPORT THE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT.

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.

~~E69.1 THE OPERATOR SHALL NOT VENT MORE THAN 1 OF ANY OF THE FOLLOWING ITEMS SIMULTANEOUSLY:~~

~~Device ID: D11 [Hearth]~~

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Device ID: D21 [Furnace]

E102.1 THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.

H23.1 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES OR REGULATIONS:

CONTAMINANT	RULE	RULE/SUBPART
PM	DISTRICT RULE	1155

K67.1 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

The date, time and description of any maintenance or repairs resulting from the inspection.

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

K67.4 THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

Limestone injection rate

Amount of chlorine injected

Application No. 544515

Conditions:

C1.9 THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN 40,000 LBS IN ANY ONE CALENDAR MONTH.

For the purpose of this condition, throughput shall be defined as Lime loaded into the Silo.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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
Process 2: MELTING OPERATIONS					
System 1: ALUMINUM MELTING					
FURNACE, REVERBATORY, FURNACE A HEARTH, NATURAL GAS, OXY-FUEL, ALUMINUM, WITH LOW NOX BURNER, 10 MMBTU/HR WITH A/N: 457754	D11	C15 C16 C50	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart RRR, 4-20-2006]; NOX: 43.69 LBS/MMSCF OXY-FUEL (2) [RULE 2012, 5-6-2005]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 79.03 LBS/MMSCF OXY-FUEL (2A) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A99.1, A99.3, B59.2, C1.3, C1.4, C1.7, D323.1, E54.1, E57.1, E336.1
CHARGING WELL	D54	C50			
INJECTOR, NO. L, CHLORINE					
BURNER, NATURAL GAS, OXY-FUEL, BOC GASES INC., MODEL FLAT JET TM, WITH LOW NOX BURNER, 2 TOTAL; 5 MMBTU/HR					

* (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 LIGHT METALS INC

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
Process 1: SCRAP DRYING OPERATION					
HOPPER, DUMP, NO. A, ALUMINUM A/N: 242132	D1			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, SURGE, NO. C, ALUMINUM A/N: 242132	D3			PM: (9) [RULE 405, 2-7-1986]	D323.1
CRUSHER, NO. D, ALUMINUM A/N: 242132	D4			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, DRAG, NO. E, ALUMINUM A/N: 242132	D5			PM: (9) [RULE 405, 2-7-1986]	D323.1
DRYER, ROTARY, NO. 1, NATURAL GAS, 0.5 MMBTU/HR A/N: 435743	D6	C9 C23	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart RRR, 4-20-2006]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.2, D323.1
HOPPER, WITH MAGNETIC SEPARATOR A/N: 435743	D31			PM: (9) [RULE 405, 2-7-1986]	D323.1
CONVEYOR, DRAG A/N: 435743	D32			PM: (9) [RULE 405, 2-7-1986]	D323.1
DRYER, ROTARY, NO. 2, NATURAL GAS, ALUMINUM CHIPS AND BORINGS, 1.2 MMBTU/HR A/N: 435744	D24	C15 C16 C25	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart RRR, 4-20-2006]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.1, D323.1
Process 2: MELTING OPERATIONS					

- | | |
|--|--|
| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 LIGHT METALS INC

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
Process 2: MELTING OPERATIONS					
FURNACE, MELTING, REVERBATORY, FURNACE B HEARTH, OXY-FUEL, ALUMINUM, 180,000 POUNDS CAPACITY, WITH LOW NOX BURNER, 16 MMBTU/HR WITH A/N: 457756	D21	C50	NOX: LARGE SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart RRR, 4-20-2006]; NOX: 9.01 LBS/MMSCF OXY-FUEL (2) [RULE 2012, 5-6-2005]; NOX: 22.91 LBS/MMSCF OXY-FUEL (2A) [RULE 2012, 5-6-2005]; NOX: 60 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	A99.2, A99.4, B59.2, C1.6, D323.1
CHARGING WELL INJECTOR, 2 TOTAL, CHLORINE BURNER, OXY-FUEL, BOC FLAT JET TYPE, WITH LOW NOX BURNER, 2 TOTAL; 8 MMBTU/HR	D55	C50			
Process 4: AIR POLLUTION CONTROL					
AFTERBURNER, NO.1, NATURAL GAS, HARSELL, TWO NORTH AMERICAN BURNERS, 3.2 MMBTU/HR A/N: 449815	C9	D6 C23	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.2, D12.1, 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 LIGHT METALS INC

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
Process 4: AIR POLLUTION CONTROL					
AFTERBURNER, NO. 2, NATURAL GAS, 6.204 MMBTU/HR A/N: 449816	C25	C15 C16 D24	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C8.2, D12.1, D323.1
STORAGE SILO, LIME, HEIGHT: 28 FT; DIAMETER: 12 FT A/N:	D56	C15 C16 C50			C1.9
BAGHOUSE, NO. 1, HARSELL ENGINEERING, THREE SECTIONS, BAG LEAK DETECTION SYSTEM, 9150 SQ.FT.; 144 BAGS WITH A/N: 510384 INJECTOR, WITH DRY LIMESTONE INJECTION	C15	D11 D24 C25 D56		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.1, D381.1, E71.2, E102.1, H23.1, K67.1, K67.4
BAGHOUSE, NO. 2, HARSELL ENGINEERING, FOUR SECTIONS, BAG LEAK DETECTION SYSTEM, 12200 SQ.FT.; 192 BAGS WITH A/N: 510385 INJECTOR, WITH DRY LIMESTONE INJECTION	C16	D11 D24 C25 D56		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.1, D381.1, E71.2, E102.1, H23.1, K67.1, K67.4

* (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 LIGHT METALS INC

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
Process 4: AIR POLLUTION CONTROL					
BAGHOUSE, NO. 3, WHEELABRATOR, MODEL 126-D, THREE SECTIONS, BAG LEAK DETECTION AND AUTOMATIC SHAKER SYSTEM, 20274 SQ.FT.; 1056 BAGS WITH A/N: 510387 INJECTOR, WITH DRY LIMESTONE INJECTION	C23	D6 C9		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	A72.1, C6.1, C6.4, C8.1, D12.3, D322.2, D381.2, E71.1, E102.1, H23.1, K67.3, K67.4
BAGHOUSE, NO. 4, ICA REES, MODEL 4-2400, BAG LEAK DETECTION SYSTEM, VENTS ONE ALUMINUM DROSS BUILDING AND CRUCIBLE FURNACE, 10053 SQ.FT. A/N: 510389	C39	D52		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	C6.1, C409.1, D12.3, D322.3, D381.1, E102.1, H23.1, K67.1
BAGHOUSE, NO. 6, PANGBORN, MODEL 5-456 CT, BAG LEAK DETECTION SYSTEM, MECHANICAL SHAKER, VENTING CHARGE WELL AND HEARTH, 33630 SQ.FT.; 2280 BAGS WITH A/N: 510391 INJECTOR, WITH DRY LIMESTONE INJECTION	C50	D11 D21 D42 D54 D55 D56		PM: (9) [RULE 404, 2-7-1986]; PM: 0.01 GRAINS/SCF (5) [RULE 1155, 12-4-2009]	A72.1, C6.2, C6.4, C8.1, D322.2, D381.1, E102.1, H23.1, K67.1, K67.4
STORAGE BUILDING, DROSS, WITH AN INSIDE TRUCK LOADING DOCK, WIDTH: 63 FT ; HEIGHT: 17 FT 10 IN; LENGTH: 48 FT 6 IN A/N: 401949	D52	C39			A101.1, D12.5, D381.1, E71.3, E440.1, K67.5
Process 5: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					

- * (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 LIGHT METALS INC

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
Process 5: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E36			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-3-2011; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.2
Process 6: HOLDING OPERATIONS					
System 1: ALUMINUM					
FURNACE, HOLDING, REVERBATORY, NATURAL GAS, ALUMINUM, 69,000 POUNDS CAPACITY, WITH LOW NOX BURNER, 5 MMBTU/HR WITH A/N: 454024 BURNER, NATURAL GAS, ECLIPSE COMBUSTION, MODEL 500 TJ, WITH LOW NOX BURNER, 5 MMBTU/HR PUMP CONVEYOR	D42	C50	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; HAP: (10) [40CFR 63 Subpart RRR, 4-20-2006]; NOX: 50 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.1, D323.1, E147.1, E147.2, E147.3

* (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
LIGHT METALS INC**

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
 LIGHT METALS INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D3	1	1	0
D4	1	1	0
D5	1	1	0
D6	1	1	0
C9	3	4	0
D11	2	2	1
C15	4	4	0
C16	4	4	0
D21	3	2	1
C23	5	4	0
D24	1	1	0
C25	4	4	0
D31	1	1	0
D32	1	1	0
E36	6	5	0
C39	5	4	0
D42	6	6	1
C50	5	4	0
D52	5	4	0
D54	2	2	1
D55	3	2	1
D56	4	4	0

FACILITY PERMIT TO OPERATE LIGHT METALS INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

FACILITY CONDITIONS

F16.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Including, but not limited to:

Material charged in Scrap Dryers (lbs)

Differential Pressure across all baghouses

Quantity of Lime Injection (lbs)

Temperature in afterburners

Differential Pressure within the Dross House

Filter Media Inspections of all Baghouses

VEE inspection results of all equipment

Exhaust Blower rate (acfm) of applicable baghouses

Architectural coatings and associated materials

Aluminum processed in each furnace (lbs)

Chlorine added to each furnace (lbs)

Monthly natural gas usage of each furnace

The above records shall be made available to AQMD personnel upon request and be maintained for at least five years.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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, 12-12-1997]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

- a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).
- b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

DEVICE CONDITIONS

A. Emission Limits

A72.1 The operator shall maintain this equipment to achieve a minimum removal efficiency of 99 percent for PM during the normal operation of the equipment it vents.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C15, C16, C23, C50]

A99.1 The 43.69 LBS/MMCF NOX emission limit(s) shall only apply during high fire conditions.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purposes of this condition, high fire shall be defined as a firing rate greater than 3,200 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D11]

A99.2 The 9.01 LBS/MMCF NOX emission limit(s) shall only apply during high fire conditions.

For the purposes of this condition, high fire shall be defined as a firing rate greater than 4,000 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D21]

A99.3 The 79.03 LBS/MMCF NOX emission limit(s) shall only apply during low fire (idle) conditions.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purposes of this condition, low fire shall be defined as a firing rate less than or equal to 3,200 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D11]

A99.4 The 22.91 LBS/MMCF NOX emission limit(s) shall only apply during low fire (idle) conditions.

For the purposes of this condition, low fire shall be defined as a firing rate less than or equal to 4,000 standard cubic feet per hour.

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

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D21]

A101.1 The operator shall take all reasonable control measures to minimize fugitive emissions from this equipment.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 : D52]

B. Material/Fuel Type Limits

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

Fluorides, Chlorine, or Aluminum Chloride

Metals contaminated with rubber, plastics, paper, rags, oil, grease, or similar smoke-producing materials

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

[Devices subject to this condition : D42]

B59.2 The operator shall only use the following material(s) in this device :

Combustion air containing 99.5 percent oxygen or greater

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

[Devices subject to this condition : D11, D21]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 7200000 lb(s) in any one month.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

For the purpose of this condition, material processed shall be defined as material charged to this chip-drying system.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D24]

- C1.2 The operator shall limit the material processed to no more than 3000000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as material charged to this chip-drying system.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D6]

- C1.3 The operator shall limit the throughput to no more than 42 ton(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as chlorine added.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D11]

FACILITY PERMIT TO OPERATE LIGHT METALS INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

- C1.4 The operator shall limit the material processed to no more than 2700 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as aluminum.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D11]

- C1.6 The operator shall limit the material processed to no more than 5400 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as aluminum.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D21]

- C1.7 The operator shall limit the fuel usage to no more than 5.41 MM cubic feet in any one calendar month.

For the purpose of this condition, fuel usage shall be defined as natural gas.

To comply with this condition, the operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the furnace.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D11]

- C1.9 The operator shall limit the throughput to no more than 40000 lb(s) in any one calendar month.

For the purpose of this condition, throughput shall be defined as Lime loaded into the Silo.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D56]

- C6.1 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 10 inches water column.

To comply with this condition, the operator shall monitor and record the differential pressure as specified in condition number 12-3.

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

[Devices subject to this condition : C15, C16, C23, C39]

- C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 8 inches water column.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 bags.

The operator shall record the parameter being monitored once every day.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

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

[Devices subject to this condition : C50]

- C6.4 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 360 Deg F.

To comply with this condition, the operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature being supplied to the Baghouse.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1407, 7-8-1994]

[Devices subject to this condition : C15, C16, C23, C50]

- C8.1 The operator shall use this equipment in such a manner that the lime injection rate being monitored, as indicated below, is not less than 2.6 lb(s) per 100 lbs of chlorine injected.

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

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

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 : C15, C16, C23, C50]

C8.2 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.

To comply with this condition, the operator shall monitor the temperature as specified in condition number D12.1.

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

[Devices subject to this condition : C9, C25]

C409.1 The operator shall ensure that damper to the dross house used in this equipment shall meet the following specified requirements:

The damper is to remain in the locked open position at all times to prevent the escape of fugitive emissions from the dross house, except during breakdowns or routine maintenance.

[**RULE 401, 3-2-1984; RULE 401, 11-9-2001**]

[Devices subject to this condition : C39]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) temperature reading device to accurately indicate the temperature in the afterburner.

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 Deg. F. It shall be calibrated once every 6 months.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C9, C25]

D12.3 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the bags.

The operator shall record the parameter being monitored once every day.

The operator shall maintain records of the differential pressure across the bags in a manner approved by the District, to demonstrate compliance with this condition.

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

[Devices subject to this condition : C15, C16, C23, C39]

D12.5 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the pressure in the Dross House.

The operator shall record the parameter being monitored once every shift.

The operator shall maintain records of the differential pressure in the Dross House in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D52]

D322.1 The operator shall perform annual inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : C15, C16]

D322.2 The operator shall perform a monthly inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit..

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : C23, C50]

D322.3 The operator shall perform a weekly inspection of the equipment and all filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall also take corrective action within 24 hours and report the emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : C39]

FACILITY PERMIT TO OPERATE LIGHT METALS INC

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 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 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.

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

[Devices subject to this condition : D1, D3, D4, D5, D6, C9, D11, D21, D24, C25, D31, D32, D42]

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

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C15, C16, C39, C50, D52]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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 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, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

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

[Devices subject to this condition : C23]

E. Equipment Operation/Construction Requirements

E54.1 The operator is not required to vent this equipment to the following equipment if all of the requirements listed below are met:

Device ID: C15 & 16 [Baghouses]

Requirement number 1: The hearth to Furnace A is vented to C50.

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

[Devices subject to this condition : D11]

E57.1 The operator shall vent this equipment to C50 whenever Furnace B, D21, is shut down.

When venting the hearth for Furnace A, the damper to C15 & C16 shall be closed.

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

[Devices subject to this condition : D11]

E71.1 The operator shall not operate this equipment if more than one section is out of service at any one time. Whenever any one section is out of service, the exhaust blower volume shall not exceed 27,032 acfm. Operations of the equipment under this condition shall be conducted only for the purpose of maintenance and or repair of the equipment. The operator shall maintain a record of all such operations under these conditions.

[RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : C23]

E71.2 The operator shall not operate this equipment if more than one section is out of service at any one time. Whenever any one section is out of service, the exhaust blower volume shall not exceed 35,949 acfm. Operations of the equipment under this condition shall be conducted only for the purpose of maintenance and or repair of the equipment. The operator shall maintain a record of all such operations under these conditions.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

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

[Devices subject to this condition : C15, C16]

E71.3 The operator shall only operate this equipment when the baghouse (C39) is in full use.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976**]

[Devices subject to this condition : D52]

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

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 401, 3-2-1984; RULE 401, 11-9-2001**]

[Devices subject to this condition : C15, C16, C23, C39, C50]

E147.1 The operator shall not conduct fluxing in this equipment.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D42]

E147.2 The operator shall not conduct refining in this equipment.

[**RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002**]

[Devices subject to this condition : D42]

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

E147.3 The operator shall not conduct metal melting or remelting operation in this equipment.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D42]

E336.1 The operator shall vent the vent gases from this equipment as follows:

The operator is not required to vent the furnace hearth to all three Baghouses in the "Connected to" column. The operator may vent this furnace hearth to C15 and C16 or C50.

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

[Devices subject to this condition : D11]

E440.1 The operator shall operate and maintain this equipment according to the following specifications:

Install and maintain solid, tight-fitting roll-up doors for the entry and exit openings of the dross house.

Doors are to remain completely closed except during the ingress and egress of dross transport equipment.

Inspect daily the structural integrity of the dross house to mitigate visible emissions to the atmosphere.

Install and maintain air inlet vents at the southwest side of the dross house.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

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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 : D52]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C15, C16, C23, C39, C50]

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):

The date, time and description of any maintenance or repairs resulting from the inspection.

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

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

[Devices subject to this condition : C15, C16, C39, C50]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

K67.2 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 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E36]

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

The name of the person performing the inspection and/or maintenance of the filter media.

The date, time and results of the inspection.

The date, time and description of any maintenance or repairs resulting from the inspection.

The pressure drop across the bags on a weekly basis.

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

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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 : C23]

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

Amount of chlorine injected

Limestone injection rate

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : C15, C16, C23, C50]

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

Date and time of dross transport into and out of the dross house.

Date and time of truck loading operations for each shipment of dross.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001; RULE 402, 5-7-1976]

[Devices subject to this condition : D52]