



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

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## FACILITY PERMIT TO OPERATE

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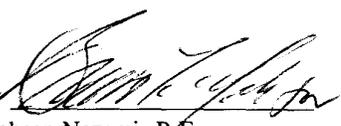
**SIERRA ALUMINUM COMPANY  
11711- 1180 PACIFIC AVE  
FONTANA, CA 92337**

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

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

### 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 : CLEAN/PRETREATMENT</b>					
<b>System 1 : Sulfuric Acid Anodizing Line</b>					
PROCESS TANK, HEATED, NO. 1, ALKALINE CLEAN, WIDTH: 7 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D42				B27.2, E166.2
PROCESS TANK, HEATED, NO. 7, ALKALINE ETCH, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D44	C53			A433.1, B27.2, C6.9, E166.2
PROCESS TANK, HEATED, NO. 9, ALKALINE ETCH, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D45	C53			A433.1, B27.2, C6.9, E166.2
PROCESS TANK, UNHEATED, NO. 12, ACID DEOXIDIZING, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D46				A433.1, B27.2, C6.8, E166.2
PROCESS TANK, ANODIZING, UNHEATED, NO. 17, SULFURIC ACID, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D47	C55			A433.1, B27.2, C1.4, C6.6, E166.2
PROCESS TANK, ANODIZING, UNHEATED, NO. 18, SULFURIC ACID, WIDTH: 3 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D87	C88			A433.1, B27.2, C1.5, C6.6, E166.2
PROCESS TANK, ANODIZING, UNHEATED, NO. 19, SULFURIC ACID, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D48	C55			A433.1, B27.2, C1.4, C6.6, E166.2

\* (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.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CLEAN/PRETREATMENT</b>					
PROCESS TANK, ANODIZING, UNHEATED, NO. 22, COLOR, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D49				A433.1, B27.2, C1.6, C6.7, E166.2
PROCESS TANK, HEATED, NO. 28, SEAL, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D51				B27.2, E166.2
PROCESS TANK, HEATED, NO. 29, SEAL, WIDTH: 4 FT 6 IN; HEIGHT: 8 FT; LENGTH: 30 FT A/N: 475469	D52				B27.2, E166.2
<b>System 2 : Chrome Conversion Spray Coating Line</b>					
PROCESS TANK, HEATED, SURFACE PREPARATION, NO. 1, NATURAL GAS, ACID CLEANER, WIDTH: 7 FT 6 IN; LENGTH: 20 FT; HEIGHT: 4 FT; 5 MMBTU/HR A/N: 374473	D28		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B27.1, E166.2

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 (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 SIERRA ALUMINUM COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CLEAN/PRETREATMENT</b>					
PROCESS TANK, HEATED, NO. 3, CHROME CONVERSION, CHROMIC ACID, NATURAL GAS, WITH ONE AUTOMATIC SPRAY SYSTEM INSIDE A TOTAL SPRAY ENCLOSURE, WIDTH: 7 FT 6 IN; LENGTH: 20 FT; HEIGHT: 4 FT; 3.8 MMBTU/HR A/N: 374473	D30		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	B27.1, E166.1
<b>System 3 : Chrome Conversion Dip Coating Line</b>					
PROCESS TANK, NO. 1, NATURAL GAS, ACID CLEAN, HEATED, 2.5 MMBTU/HR A/N: 322304	D79		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981]	C6.1
PROCESS TANK, NO. 3, ALODINE 407 AND ALODINE 47, HEATED, CHROME CONVERSION A/N: 322304	D80		NOX: PROCESS UNIT**	PM: (9) [RULE 404,2-7-1986]	C6.1

\* (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 SIERRA ALUMINUM COMPANY

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 1 : CLEAN/PRETREATMENT</b>					
PROCESS TANK, NO. 5., NATURAL GAS, RINSE, 2.5 MMBTU/HR A/N: 322304	D81		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
<b>Process 2 : ORGANIC SOLVENTS</b>					
<b>System 1 : SURFACE COATING LINE NO. 1</b>					
SPRAY COATING OPERATION, NO. 1, TOP COAT, WITH SPRAY BOOTH, FLOOR FILTER TYPE A/N: 298799	D33	C40		VOC: (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; VOC: 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	B27.1, C6.2, D322.1, E175.1, H23.1, K67.3
SPRAY COATING OPERATION, NO. 2, TOP COAT, WITH SPRAY BOOTH, FLOOR FILTER TYPE A/N: 298799	D34	C40		VOC: (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; VOC: 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	B27.1, C6.2, D322.1, E175.1, H23.1, K67.3

\* (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.

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### 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 2 : ORGANIC SOLVENTS</b>					
SPRAY COATING OPERATION, NO. 3, TOUCH UP, WITH SPRAY BOOTH, FLOOR FILTER TYPE A/N: 298799	D35	C40		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	B27.1, C6.2, D322.1, E175.1, H23.1, K67.3
SPRAY COATING OPERATION, NO. 4, TOUCH UP, WITH SPRAY BOOTH, FLOOR FILTER TYPE A/N: 298799	D36	C40		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	B27.1, C6.2, D322.1, E175.1, H23.1, K67.3
PAINT FLASH OFF AREA, FLASH OFF TUNNEL A/N: 298799	D37	C40			
OVEN, BAKING, NATURAL GAS, 8.7 MMBTU/HR A/N: 298799	D38	C40	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	

\* (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.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 2 : ORGANIC SOLVENTS</b>					
OVEN, DRYING, NATURAL GAS, 5.5 MMBTU/HR A/N: 298801	D39	C40	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5- 2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
<b>System 2 : SURFACE COATING LINE NO.2</b>					
OVEN, DRYING, NATURAL GAS, 1.5 MMBTU/HR A/N: 322306	D65		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5- 2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	

\* (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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### 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 2 : ORGANIC SOLVENTS</b>					
SPRAY COATING OPERATION, NO. 1, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D66	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, E175.1, H23.1, K67.3, K67.4
SPRAY COATING OPERATION, NO. 2, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D67	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, H23.1, K67.3
SPRAY COATING OPERATION, NO. 3, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D68	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, E175.1, H23.1, K67.3
SPRAY COATING OPERATION, NO. 4, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D69	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, E175.1, H23.1, K67.3

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

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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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 2 : ORGANIC SOLVENTS</b>					
SPRAY COATING OPERATION, NO. 5, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D70	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, E175.1, H23.1, K67.3
SPRAY COATING OPERATION, NO. 6, TELLKAMP, FLOOR TYPE, WITH SPRAY BOOTH A/N: 322306	D71	C74		<b>VOC:</b> (9) [RULE 1107,11-9-2001;RULE 1171,8-2-2002;RULE 1171,11-7-2003] ; <b>VOC:</b> 0.9 KG/L OF COATING SOLIDS APPLIED (8) [40CFR 60 Subpart EE,10-4-1991]	C6.4, D322.1, E175.1, H23.1, K67.3
OVEN, BAKING, NATURAL GAS, 5.25 MMBTU/HR A/N: 322306	D72	C74	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	
PAINT FLASH OFF AREA, FLASH OFF ENCLOSURE A/N: 322306	D73	C74			

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 (7) Denotes NSR applicability limit  
 (9) See App B for Emission Limits  
 (2)(2A)(2B) Denotes RECLAIM emission rate  
 (4) Denotes BACT emission limit  
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 (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)  
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : ALUMINUM EXTRUSION</b>					
FURNACE, BURN OFF, MODEL NO. BB-352X, NATURAL GAS, BAYCO MFG, WITH LOW NOX BURNER, 2 MMBTU/HR WITH A/N: 374472	D1		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>NOX:</b> 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]  <b>PM:</b> (9) [RULE 404,2-7-1986]	C1.2, C8.1, E71.2
AFTERBURNER, NATURAL GAS, 2 MMBTU/HR	C2		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D323.1

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 (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

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 4 : ALUMINUM EXTRUSION</b>					
FURNACE, HEAT TREATING, MODEL NO. 69-30-3, NATURAL GAS, GRANCO-CLARK, 5.4 MMBTU/HR A/N: 413163	D57		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 25 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D182.1, D323.1
FURNACE, HEAT TREATING, MODEL NO. 57-25-3, NATURAL GAS, GRANCO-CLARK, 5.4 MMBTU/HR A/N: 413164	D58		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 25 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D182.1, D323.1
FURNACE, AGE, MODEL NO. 9102, NATURAL GAS, END FLOW TYPE, 2.5 MMBTU/HR A/N: 475466	D3		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 40 PPMV NATURAL GAS (3) [RULE 2012,5-6-2005] ; <b>PM:</b> (9) [RULE 404,2-7-1986]  <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D28.2, D182.1, D323.1, E71.1

\* (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 SIERRA ALUMINUM COMPANY

### 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 4 : ALUMINUM EXTRUSION</b>					
FURNACE, AGE, MODEL NO. 9102, NATURAL GAS, END FLOW TYPE, 2.5 MMBTU/HR A/N: 475467	D4		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 40 PPMV NATURAL GAS (3) [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]	D28.2, D182.1, D323.1, E71.1
FURNACE, HEAT TREATING, BILLET, NATURAL GAS, ALUMINUM, GRANCO-CLARK, MODEL 812-40-4 "SST-HOT-JET", WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 7.2 MMBTU/HR A/N: 359833	D82		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	B59.1, D182.1, D323.1
FURNACE, HEAT TREATING, AGE, NATURAL GAS, ALUMINUM, GRANCO-CLARK, MAXON CYCLOMAX BURNER, WITH LOW NOX BURNER, 2.7 MMBTU/HR A/N: 359834	D84		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]	B59.1, D182.1, D323.1

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

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

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

### 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 4 : ALUMINUM EXTRUSION</b>					
				NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	
FURNACE, HEAT TREATING, AGE, NATURAL GAS, ALUMINUM, GRANCO-CLARK, MAXON CYCLOMAX BURNER, WITH LOW NOX BURNER, 2.7 MMBTU/HR A/N: 359835	D85		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407,4-2-1982] ; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  NOX: 30 PPMV NATURAL GAS (4) [RULE 2005,4-20-2001] ; PM: 0.1 GRAINS/SCF (5) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986]	B59.1, D182.1, D323.1
<b>Process 5 : CONTROL EQUIPMENT</b>					
AFTERBURNER, TELLKAMP SYSTEMS MODEL NO. 20, NATURAL GAS, REGENERATIVE TYPE, 5 MMBTU/HR A/N: 298805	C40	D33 D34 D35 D36 D37 D38 D39	NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  PM: (9) [RULE 404,2-7-1986] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D28.1, E193.2

\* (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 SIERRA ALUMINUM COMPANY

### 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 5 : CONTROL EQUIPMENT</b>					
SCRUBBER, PACKED BED, R.B. FIBERGLASS, 27000 CFM, 10 HP MOTOR WITH A/N: 300034  MIST ELIMINATOR	C53	D44 D45			C6.3, C8.2, C8.3, E202.1, K67.2
SCRUBBER, R.B. FIBERGLASS, 27000 CFM, (2) 2 HP MOTORS WITH A/N: 300035  MIST ELIMINATOR	C55	D47 D48			C6.3, C8.4, E202.1, K67.2
AFTERBURNER, HOT ROCK, TELLKAMP, ROXIDIZER, NATURAL GAS, MODEL 15, REGENERATIVE TYPE, 2.7 MMBTU/HR A/N: 322307	C74	D66 D67 D68 D69 D70 D71 D72 D73	NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV NATURAL GAS (5) [RULE 407,4-2-1982] ; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003]  <b>PM:</b> (9) [RULE 404,2-7-1986] ; <b>PM:</b> 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	A72.1, C1.1, D12.2, D28.1, E193.1
SCRUBBER, PACKED BED, DUAL DIVISION, MODEL FW303-80, HEIGHT: 15 FT 7 IN; DIAMETER: 6 FT 8 IN A/N: 475468	C88	D87			C6.5, C8.5, C8.6

\* (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 SIERRA ALUMINUM COMPANY

### 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 : EXTERNAL COMBUSTION</b>					
BOILER, NO. 1, NATURAL GAS, CLEAVER-BROOKS, MODEL CB (LE)700-200, INDUCED FLUE GAS RECIRCULATION, 8.37 MMBTU/HR A/N: 302545	D59		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5A) [RULE 407,4-2-1982] ; CO: 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000] ; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996  RULE 1303(a)(1)-BACT,12-6-2002] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D12.1, D332.1, E113.1
BOILER, NO. 2, NATURAL GAS, CLEAVER-BROOKS, MODEL CB (LE)700-200, INDUCED FLUE GAS RECIRCULATION, 8.37 MMBTU/HR A/N: 302547	D60		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5A) [RULE 407,4-2-1982] ; CO: 400 PPMV NATURAL GAS (5) [RULE 1146,11-17-2000] ; NOX: 30 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT,5-10-1996  RULE 1303(a)(1)-BACT,12-6-2002] ; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012,5-11-2001;RULE 2012,12-5-2003] ; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409,8-7-1981]	D12.1, D332.1, E113.1

\* (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 SIERRA ALUMINUM COMPANY

### 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 9 : R-219 EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E76			<b>VOC:</b> (9) [RULE 1113,11-8-1996;RULE 1113,7-9-2004;RULE 1171,8-2-2002;RULE 1171,11-7-2003]	K67.1
RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS	E77			<b>VOC:</b> (9) [RULE 1171,8-2-2002;RULE 1171,11-7-2003]	

\* (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  
SIERRA ALUMINUM COMPANY**

**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 SIERRA ALUMINUM COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	9	4	0
C2	9	4	0
D3	10	4	0
D4	11	4	0
D28	2	1	2
D30	3	1	2
D33	4	2	1
D34	4	2	1
D35	5	2	1
D36	5	2	1
D37	5	2	1
D38	5	2	1
D39	6	2	1
C40	12	5	0
D42	1	1	1
D44	1	1	1
D45	1	1	1
D46	1	1	1
D47	1	1	1
D48	1	1	1
D49	2	1	1
D51	2	1	1
D52	2	1	1
C53	13	5	0
C55	13	5	0
D57	10	4	0
D58	10	4	0
D59	14	6	0
D60	14	6	0
D65	6	2	2
D66	7	2	2
D67	7	2	2
D68	7	2	2
D69	7	2	2
D70	8	2	2
D71	8	2	2

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
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D73	8	2	2
C74	13	5	0
E76	15	9	0
E77	15	9	0
D79	3	1	3
D80	3	1	3
D81	4	1	3
D82	11	4	0
D84	11	4	0
D85	12	4	0
D87	1	1	1
C88	13	5	0

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

#### FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 150 LBS IN ANY ONE DAY

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

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

F2.2 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
Single Volatile Hazardous Air Pollutant (VHAP)	Less than 10 TONS IN ANY 12-MONTH PERIOD
Combination of Volatile Hazardous Air Pollutants (VHAPs)	Less than 25 TONS IN ANY 12-MONTH PERIOD

To maintain exemption from the requirements of 40 CFR 63, Subpart Mmmm, the operator shall comply with the Volatile Hazardous Air Pollutant (VHAP) emission limits of this condition. To ensure compliance with the VHAP emission limits of this condition, the operator shall comply with the following recordkeeping requirements:

- (a) Comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (b) Within 14 calendar days after the end of each month, total and record VHAP emissions for the month and for the previous 12 month period from all equipment and operations that are required to have written permits or are exempt from written permits pursuant to Rule 219. The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (c) Maintain a single list which includes only the name and address of each person from whom the facility acquired VHAP-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (d) Retain all purchase invoices for all VHAP-containing material used or stored at the facility, and all waste manifests for all waste VHAP-containing material removed from the facility.
- (e) Retain all records required by this permit at the facility for five years, and make all records available to any District representative upon request.

[40CFR 63 Subpart Mmmm, 1-2-2004]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

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 overall control efficiency of 97.14 percent for ROG during the normal operation of the equipment it vents.

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

[Devices subject to this condition : C74]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

A433.1 The operator shall limit the process tanks in this line to the following parameters:

Chemical	Tank No.	Maximum Concentration (WT%)
Sodium Hydroxide	7 & 9	7.9
Sulfuric Acid	12	6.0
Sulfuric Acid	17, 18 & 19	16.6
Sulfuric Acid	22	2.1

For the purpose of this condition, concentration means anhydrous concentration (not including water or water of hydration).

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 1401, 3-4-2005]

[Devices subject to this condition : D44, D45, D46, D47, D48, D49, D87]

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

B27.1 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 07-dec-1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D28, D30, D33, D34, D35, D36]

B27.2 The operator shall not use materials containing any compounds identified in the SCAQMD Rule 1401, as amended 03/04/2005.

[RULE 1401, 3-4-2005]

[Devices subject to this condition : D42, D44, D45, D46, D47, D48, D49, D51, D52, D87]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

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

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

[Devices subject to this condition : D82, D84, D85]

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

C1.1 The operator shall limit the throughput to no more than 15000 cubic feet per minute.

For the purpose of this condition, throughput shall be defined as process flow.

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

[Devices subject to this condition : C74]

C1.2 The operator shall limit the operating time to no more than 30 hour(s) per week.

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

[Devices subject to this condition : D1]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

### 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 applied current to no more than  $1.2e+08$  ampere-hours in any one year.

To comply with this condition, the operator shall install and maintain a continuous recording, non-resettable ampere-hour meter that operates on electrical power lines connected to each tank. A separate meter shall be hard-wired for each rectifier. The meters shall be mounted in a location such that they are easily accessible for maintenance and the totalizing display is easily readable. The owner/operator shall inspect and maintain the ampere-hour meter (s) according to the manufacturer's recommendations.

An identification tag or label shall be affixed to all rectifiers in a permanent and conspicuous position. The identification marker shall be maintained in legible condition and contain the rectifier identification number, maximum rectifier amperage and identification number (s) of tank (s) operated by the rectifier.

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D47, D48]

- C1.5 The operator shall limit the applied current to no more than  $7.5e+07$  ampere-hours in any one year.

To comply with this condition, the operator shall install and maintain a continuous recording, non-resettable ampere-hour meter that operates on electrical power lines connected to each tank. A separate meter shall be hard-wired for each rectifier. The meters shall be mounted in a location such that they are easily accessible for maintenance and the totalizing display is easily readable. The owner/operator shall inspect and maintain the ampere-hour meter (s) according to the manufacturer's recommendations.

An identification tag or label shall be affixed to all rectifiers in a permanent and conspicuous position. The identification marker shall be maintained in legible condition and contain the rectifier identification number, maximum rectifier amperage and identification number (s) of tank (s) operated by the rectifier.

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D87]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

- C1.6 The operator shall limit the applied current to no more than  $3.75e+07$  ampere-hours in any one year.

To comply with this condition, the operator shall install and maintain a continuous recording, non-resettable ampere-hour meter that operates on electrical power lines connected to each tank. A separate meter shall be hard-wired for each rectifier. The meters shall be mounted in a location such that they are easily accessible for maintenance and the totalizing display is easily readable. The owner/operator shall inspect and maintain the ampere-hour meter (s) according to the manufacturer's recommendations.

An identification tag or label shall be affixed to all rectifiers in a permanent and conspicuous position. The identification marker shall be maintained in legible condition and contain the rectifier identification number, maximum rectifier amperage and identification number (s) of tank (s) operated by the rectifier.

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D49]

- C6.1 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 110 Deg F.

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

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

[Devices subject to this condition : D79, D80]

- C6.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 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 exhaust filters.

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

[Devices subject to this condition : D33, D34, D35, D36]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

- C6.3 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2.1 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 system.

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

[Devices subject to this condition : C53, C55]

- C6.4 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 0.25 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 at the exhaust.

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

[Devices subject to this condition : D66, D67, D68, D69, D70, D71]

- C6.5 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, does not exceed 2.0 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 scrubber.

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 : C88]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

- C6.6 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 71 Deg F.

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

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D47, D48, D87]

- C6.7 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 70 Deg F.

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

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D49]

- C6.8 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 77 Deg F.

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

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; RULE 1401, 3-4-2005]

[Devices subject to this condition : D46]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

- C6.9 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 140 Deg F.

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

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**; **RULE 1401, 3-4-2005**]

[Devices subject to this condition : D44, D45]

- C8.1 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 install and maintain a(n) temperature gauge to accurately indicate the temperature at the combustion zone of 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 30 degrees F. 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 : D1]

- 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 128 gpm.

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

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

[Devices subject to this condition : C53]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

- C8.3 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is not less than 8 of the pH scale.

To comply with this condition, the operator shall install and maintain a(n) pH meter to accurately indicate the pH of the scrubbing solution.

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

[Devices subject to this condition : C53]

- 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 162 gpm.

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

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

[Devices subject to this condition : C55]

- C8.5 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 140 gpm.

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

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 : C88]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

- C8.6 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 1.0 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate in the water make-up in the scrubber.

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 : C88]

#### **D. Monitoring/Testing Requirements**

- D12.1 The operator shall install and maintain a(n) non-resettable totalizing fuel meter to accurately indicate the fuel usage in the boiler.

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

[Devices subject to this condition : D59, D60]

- D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flue gas flow being supplied to the afterburner.

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

[Devices subject to this condition : C74]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

D28.1 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the ROG emissions using District method 25.1 measured over a 60 minute averaging time period.

The test shall be conducted at least once every five years.

The test shall be conducted to determine the ROG emissions at the inlet and outlet simultaneously.

The test shall be conducted to demonstrate compliance with the requirements of overall control efficiency and Rule 1107.

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

[Devices subject to this condition : C40, C74]

D28.2 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted to determine the NOX emissions at the outlet.

The test shall be conducted every five years, with the first five year period ending June 30, 2005.

The test shall be conducted within 12 months of of the approval of the concentration limit.

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

[Devices subject to this condition : D3, D4]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

D182.1 The operator shall test this equipment in accordance with the following specifications:

Source test results shall also include equipment operating conditions such as exhaust flow rate and temperature under which the test was conducted.

The test shall be conducted to demonstrate compliance with the source testing requirements of Rule 2012 for a Process Unit opting to comply with a NO<sub>x</sub> concentration limit.

Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

Emissions data shall be expressed in terms of concentration (ppmv), corrected to 3 percent oxygen, dry basis.

Source test shall be conducted when this equipment is operating at maximum load.

A testing laboratory certified by the California Air Resources Board in the required test methods for criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.

The test shall be conducted in compliance with District Rule 2012(j)(4) including Appendix A, Chapter 5.

A written notice of the source test shall be submitted to the District (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765) at least 14 days prior to source testing date so that an observer from the District may be present.

The test shall be conducted once every 5-year period with the first 5-year period ending 6-30-2005.

The test shall be conducted in accordance with the standard source test protocol for equipment subject to a concentration limit to determine compliance with Rule 2012. The Certification of No Exception shall be submitted with the source test report.

The test shall be conducted to determine the NO<sub>x</sub> emissions at the outlet.

Two complete copies of the source test reports shall be submitted to the District (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765) within 45 days after the source testing date. The source test report shall include, but not limited to all testing data required by this condition.

All exhaust flow rate shall be expressed in terms of dry standard cubic feet per minute (DSCFM) and dry actual cubic feet per minute (DACFM).

**[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 2005, 5-6-2005; RULE 2012, 5-6-2005]**

[Devices subject to this condition : D3, D4, D57, D58, D82, D84, D85]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

D322.1 The operator shall perform a weekly inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

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

[Devices subject to this condition : D33, D34, D35, D36, D66, D67, D68, D69, D70, D71]

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, 12-12-1997]**

[Devices subject to this condition : D1, D3, D4, D57, D58, D82, D84, D85]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

- D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D59, D60]

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

- E71.1 The operator shall only use this equipment for the heat treatment of metals.

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

[Devices subject to this condition : D3, D4]

- E71.2 The operator shall only operate this equipment to clean dirty hooks used in spray painting operations.

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

[Devices subject to this condition : D1]

- E113.1 The operator shall have the burner equipped with a control system to automatically regulate the combustion air, fuel and, if applicable, recirculated flue gas as the boiler load varies. This control system shall be adjusted and tuned at least once a year according to the manufacturer's specifications to maintain its ability to repeat the same performance at the same firing rate.

**[RULE 1146, 11-17-2000; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]**

[Devices subject to this condition : D59, D60]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

E166.1 The operator shall keep all openings from this equipment closed when in use except during inspection, maintenance, and cleaning of equipment and during loading and unloading of parts.

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

[Devices subject to this condition : D30]

E166.2 The operator shall keep all openings from this equipment closed when not in use except during inspection, maintenance and cleaning of the equipment.

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

[Devices subject to this condition : D28, D42, D44, D45, D46, D47, D48, D49, D51, D52, D87]

E175.1 The operator shall not use this equipment unless all exhaust air passes through the following:

filter media at least 2 inches thick

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

[Devices subject to this condition : D33, D34, D35, D36, D66, D68, D69, D70, D71]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

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

The combustion chamber temperature shall be maintained at a minimum of 1,450 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,450 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,450 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

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 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.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for 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.

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

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 Part 64.9 for a minimum of five years.

**[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; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C74]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications using an applicable AQMD or EPA approved method.

For the purpose of this condition, a deviation shall be defined as when a combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective action taken.

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 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.

The operator shall submit an application with a Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for 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.

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

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 Part 64.9 for a minimum of five years.

**[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; 40CFR Part 64, 10-22-1997]**

[Devices subject to this condition : C40]

## FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY

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

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

E202.1 The operator shall clean and maintain this equipment according to the following specifications:

No less than 2 gallons per minute of freshwater make-up shall be supplied to the scrubber

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

[Devices subject to this condition : C53, C55]

### H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
VOC	District Rule	481

**[RULE 109, 5-2-2003; RULE 481, 11-17-2000]**

[Devices subject to this condition : D33, D34, D35, D36, D66, D67, D68, D69, D70, D71]

### K. Record Keeping/Reporting

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

K67.1 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 : E76]

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

daily pressure drop across the scrubber

daily flow rate to the scrubber

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

[Devices subject to this condition : C53, C55]

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

weekly record of pressure drop across the filter media

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

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

[Devices subject to this condition : D33, D34, D35, D36, D66, D67, D68, D69, D70, D71]

## **FACILITY PERMIT TO OPERATE SIERRA ALUMINUM COMPANY**

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

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

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

daily usage and volatile organic compound emissions in a manner approved by the Executive Officer

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

[Devices subject to this condition : D66]