

## **FACILITY PERMIT TO OPERATE**

**CONSOLIDATED FOUNDRIES - POMONA  
4200 W VALLEY BLVD  
POMONA, CA 91769**

### **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 CONSOLIDATED FOUNDRIES - POMONA**

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION A: FACILITY INFORMATION

**LEGAL OWNER &/OR OPERATOR:** CONSOLIDATED FOUNDRIES - POMONA

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

**EQUIPMENT LOCATION:** 4200 W VALLEY BLVD  
POMONA, CA 91769

**MAILING ADDRESS:** P O BOX 2348  
POMONA, CA 91769

**RESPONSIBLE OFFICIAL:** SCOTT SANDERS

**TITLE:** OPERATIONS MANAGER

**TELEPHONE NUMBER:** (909) 595-2252

**CONTACT PERSON:** AL BANNISTER

**TITLE:** DIRECTOR OF FACILITIES

**TELEPHONE NUMBER:** (909) 595-2252

**TITLE V PERMIT ISSUED:** May 20, 2010

**TITLE V PERMIT EXPIRATION DATE:** May 19, 2015

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx: YES</b>
	<b>SOx: NO</b>
	<b>CYCLE: 2</b>
	<b>ZONE: INLAND</b>

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**SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE  
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**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: ALUMINUM FURNACES</b>					
<b>System 1: Aluminum Melting</b>					
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, MELTING, 900 POUND CAPACITY, 2.25 MMBTU/HR A/N: 379819	D6		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; 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]	B59.1, D323.1
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, MELTING, 900 POUND CAPACITY, 2.25 MMBTU/HR A/N: 379816	D7		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; 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]	B59.1, D323.1
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, MELTING, 900 POUND CAPACITY, 2.25 MMBTU/HR A/N: 379818	D137		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; 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]	B59.1, 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 CONSOLIDATED FOUNDRIES - POMONA

### 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: ALUMINUM FURNACES</b>					
FURNACE, MELTING, NO. 3, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, PYRO SYSTEMS, MODEL NO. 300 MRH, REVERBATORY, 2,500 LB. CAPACITY, 0.6 MMBTU/HR A/N: 379764	D50		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 405, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	B59.2, B75.1, C1.4, D323.1, E71.4
FURNACE, CRUCIBLE, ELECTRIC, MELTING, NO. 1, ALUMINUM, MORGAN, MODEL EL 300, 660 LB CAPACITY, 21 KW A/N: 514984	D123			PM: (9) [RULE 405, 2-7-1986]	B59.1, C1.10, C1.11, D323.1, E71.7
FURNACE, CRUCIBLE, ELECTRIC, MELTING, NO. 2, ALUMINUM, MORGAN, MODEL EL 500, 975 LB CAPACITY, 36 KW A/N: 514985	D124			PM: (9) [RULE 405, 2-7-1986]	B59.1, C1.10, C1.11, D323.1, E71.7
<b>System 2: Aluminum Holding</b>					
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, HOLDING, 600 POUND CAPACITY, 1 MMBTU/HR A/N: 379833	D35		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; 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]	B59.1, 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 CONSOLIDATED FOUNDRIES - POMONA

### 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: ALUMINUM FURNACES</b>					
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, HOLDING, 300 POUND CAPACITY, 1 MMBTU/HR A/N: 379807	D36		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 405, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, D323.1
FURNACE, CRUCIBLE, LIQUIFIED PETROLEUM GAS, NATURAL GAS, ALUMINUM, HOLDING, 300 POUND CAPACITY, 1 MMBTU/HR A/N: 379817	D37		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 5-6-2005]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 405, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.1, D323.1
FURNACE, CRUCIBLE, MELTING, NO. 1, NATURAL GAS, ALUMINUM, THERMTRONIX, MODEL GS-2000, 2,000-LB CAPACITY, WITH LOW NOX BURNER, 2 MMBTU/HR WITH A/N: 540773  BURNER, NATURAL GAS, ECLIPSE, MODEL RA0200, WITH LOW NOX BURNER, 2 MMBTU/HR	D114		NOX: PROCESS UNIT**	<b>CO:</b> 2000 PPMV (5) [RULE 407, 4-2-1982]; <b>NOX:</b> 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; <b>PM:</b> (9) [RULE 405, 2-7-1986]; <b>PM:</b> 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.2, C1.5, C1.6, D323.1, E71.4

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: ALUMINUM FURNACES</b>					
FURNACE, CRUCIBLE, MELTING, NO. 2, NATURAL GAS, ALUMINUM, THERMTRONIX, MODEL GS-2000, 2,000-LB CAPACITY, WITH LOW NOX BURNER, 2 MMBTU/HR WITH A/N: 540774  BURNER, NATURAL GAS, ECLIPSE, MODEL RA0200, WITH LOW NOX BURNER, 2 MMBTU/HR	D116		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 405, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	B59.2, C1.5, C1.6, D323.1, E71.4
<b>System 3: Heat Treating</b>					
FURNACE, HEAT TREATING, LIQUIFIED PETROLEUM GAS, NATURAL GAS, NATIONAL FURNACE, MODEL NO. GFCB, FOUR BURNERS, 3.55 MMBTU/HR A/N: 379803	D42		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; CO: 2000 PPMV LPG (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 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 (5) [RULE 409, 8-7-1981]	B59.1, B75.1

\* (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 CONSOLIDATED FOUNDRIES - POMONA

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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 1: ALUMINUM FURNACES</b>					
FURNACE, HEAT TREATING, LIQUIFIED PETROLEUM GAS, NATURAL GAS, NATIONAL FURNACE, MODEL NO. GFCB, FOUR BURNERS, 3.55 MMBTU/HR A/N: 379802	D43		NOX: PROCESS UNIT**	CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; CO: 2000 PPMV LPG (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 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 (5) [RULE 409, 8-7-1981]	B59.1, B75.1
<b>Process 2: SAND PROCESSING/HANDLING</b>					
<b>System 1: Sand Mixing (OMCO)</b>					S20.1
BIN, SAND FEED, 1100 POUNDS CAPACITY A/N: 379826	D21			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, OMCO, MODEL MSI, SAND, 66 POUND CAPACITY A/N: 379826	D22			PM: (9) [RULE 405, 2-7-1986]	C1.1, C1.2, D323.2
<b>System 2: Sand Mixing (Dependable)</b>					S1.2, S1.3, S20.1
BIN, FEED BIN, 12 TONS; WIDTH: 9 FT ; HEIGHT: 6 FT 10 IN; LENGTH: 6 FT 10 IN WITH A/N: 379782	D51			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2
FILTER, FILTER VENT  BUCKET ELEVATOR					
HOPPER, 1 CU.FT. CAPACITY WITH A/N: 379782	D54			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D323.2
FILTER, FILTER VENT					

\* (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

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: SAND PROCESSING/HANDLING</b>					
MIXER, DEPENDABLE FOUNDRY, MODEL 300 SA, WIDTH: 4 FT ; HEIGHT: 8 FT ; LENGTH: 8 FT 4 IN A/N: 379782	D56			PM: (9) [RULE 405, 2-7-1986]	D323.2, E71.8
<b>System 3: Sand Mixing (Palmer)</b>					S1.4, S1.5, S1.6, S2.1, S20.1, S42.1
BIN, RECEIVING WITH A/N: 527494	D58	C108		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR, DISCHARGING					
BIN, SURGE A/N: 527494	D60			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, PALMER MANUFACTURING & SUPPLY, MODEL M500, CONTINUOUS TYPE A/N: 527494	D61			PM: (9) [RULE 405, 2-7-1986]	D323.2, E166.1
TANK, NOS. 1,2,3, BINDER/CATALYST, EACH 330 GALLON CAPACITY OR SMALLER, 3 TOTAL A/N: 527494	D62			PM: (9) [RULE 405, 2-7-1986]	D323.2
DUST COLLECTOR, TORIT, MODEL TD 486, REVERSE PULSE JET CLEANING, WITH 9 FILTER CARTRIDGES, 486 SQ.FT. TOTAL FILTER AREA, AND A 2-HP EXHAUST BLOWER A/N: 456876	C108	D58		PM: (9) [RULE 404, 2-7-1986]	D12.7, D322.1, D381.2, E201.1
<b>System 4: Sand Mixing (Dependable Centurion)</b>					S1.7, S1.8, S1.9, S2.2, S20.1, S42.1

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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: SAND PROCESSING/HANDLING</b>					
HOPPER, RECEIVING, WITH BUCKET ELEVATOR A/N: 514161	D79	C122		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE A/N: 514161	D80			PM: (9) [RULE 405, 2-7-1986]	D323.2
HEATER, ELECTRIC, CAST INDUSTRIAL PRODUCTS, 60 KW A/N: 514161	D81			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, DEPENDABLE, CONTINUOUS TYPE, CENTURION 6-2B E.R., TWIN SPEED MIXING HEAD A/N: 514161	D82			PM: (9) [RULE 405, 2-7-1986]	D323.2
DRUM, FOUR STORAGE DRUMS, BINDERS AND CATALYSTS, EACH 330 GALLON CAPACITY OR SMALLER A/N: 514161	D83			PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, ROSS COOK, MODEL RCZ4DCFB, WITH FABRIC FILTER, 36 SQ.FT.; 7 BAGS A/N: 436442	C122	D79		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E201.1, E202.1
<b>System 5: Sand Mixing (Colecta-Flo)</b>					
BIN, SURGE, WIDTH: 9 FT ; HEIGHT: 7 FT ; LENGTH: 13 FT A/N: 514164	D104			PM: (9) [RULE 405, 2-7-1986]	D323.2
HEATER, ELECTRIC, DF, MODEL DSSH-80KW-25, 80 KW A/N: 514164	D105	C103		PM: (9) [RULE 405, 2-7-1986]	D323.2

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

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: SAND PROCESSING/HANDLING</b>					
MIXER, COLECTA-FLO, CONTINUOUS TYPE, MODEL ARCEL 600 A/N: 514164	D106			PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE TANK, BINDERS AND CATALYSTS, EACH 330 GALLONS OR SMALLER, 3 TOTAL A/N: 514164	D107				
BAGHOUSE, TORIT, MODEL PJD, PULSE JET CLEANED, WITH A 7.5-HP EXHAUST BLOWER, WITH FABRIC FILTER, 580 SQ.FT.; 49 BAGS A/N: 456878	C103	D105		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E201.1
<b>System 6: Sand Mixing (Tinker-Omega Portable)</b>					
HOPPER, 3 FT DIA. X 3 FT HIGH, SAND RECEIVING FROM BAGS A/N: 514159	D130			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, PORTABLE, TINKER OMEGA, CONTINUOUS TYPE, ENCLOSED, MODEL TOM-125 A/N: 514159	D121			PM: (9) [RULE 405, 2-7-1986]	A63.2, B163.2, C1.7, C1.8, C1.9, D323.2
<b>System 7: Sand Receiving and Storage</b>					
CONVEYOR, BELT A/N: 379885	D110			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 379885	D111			PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, 175-TON CAPACITY EACH, 3 TOTAL A/N: 379885	D112			PM: (9) [RULE 405, 2-7-1986]	D323.2
<b>System 8: Sand Reclamation No. 1</b>					
					S1.1, S20.1

- \* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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: SAND PROCESSING/HANDLING</b>					
BUCKET ELEVATOR A/N: 379783	D24	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 6 TONS A/N: 379783	D25	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW A/N: 379783	D26	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
MAGNETIC SEPARATOR A/N: 379783	D27	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
SCRUBBER, THERMO-SCRUBBER, GMD, MODEL 103.00, 30-HP COMBUSTION AIR BLOWER, 15-HP FLUIDIZING BLOWER, AND A RECUPERATOR WITH A/N: 379783  BURNER, LIQUIFIED PETROLEUM GAS, NATURAL GAS, 3.9 MMBTU/HR	D28	C34	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/1000 GAL LPG (1) [RULE 2012, 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 (5) [RULE 409, 8-7-1981]	D323.2
COOLER, FLUIDIZED BED TYPE WITH A/N: 379783  COOLING TOWER  PUMP, RECIRCULATING WATER	D30	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC, PLANT AIR OPERATED A/N: 379783	D33	C34		PM: (9) [RULE 405, 2-7-1986]	D323.2

\* (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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: SAND PROCESSING/HANDLING</b>					
BAGHOUSE, GMD, MODEL 225-10-6 RA, REVERSE PULSE CLEANING, WITH FABRIC FILTER, 3534 SQ.FT.; 225 BAGS A/N: 379784	C34	D24 D25 D26 D27 D28 D30 D33		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E201.1
<b>System 9: Sand Reclamation No. 2</b>					
SCREEN, REDUCER/RECLAIMER A/N: 379739	D84	C77 C78		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW A/N: 379739	D85			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR, 25 TON/HR CAPACITY A/N: 379739	D86	C78		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE A/N: 379739	D87	C78		PM: (9) [RULE 405, 2-7-1986]	D323.2
SCREEN, SHAKER, WITH TWO 55 GAL. DRUMS A/N: 379739	D88	C78		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 379739	D89	C78		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, 2 TONS A/N: 379739	D90	C78		PM: (8B) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC, 2 TOTAL A/N: 379739	D91			PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, SURGE, 6-TON CAPACITY A/N: 379739	D92	C77		PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR, 10 TON/HR CAPACITY A/N: 379739	D93	C77		PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER A/N: 379739	D94	C77		PM: (9) [RULE 405, 2-7-1986]	D323.2

\* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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: SAND PROCESSING/HANDLING</b>					
SCREEN, CLASSIFIER, DEPENDABLE, FLUID BED TYPE, 12-TON PER HOUR CAPACITY A/N: 379739	D95	C77		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC, 2 TOTAL A/N: 379739	D96			PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, SCREW, 12 TOTAL A/N: 379739	D97			PM: (9) [RULE 405, 2-7-1986]	D323.2
BUCKET ELEVATOR A/N: 379739	D98	C77 D100		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE, WIDTH: 2 FT 11 IN; HEIGHT: 2 FT 6 IN; LENGTH: 2 FT 11 IN A/N: 379739	D100	D98		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, PNEUMATIC A/N: 379739	D101			PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, 150-TON CAPACITY EACH, 3 TOTAL; DIAMETER: 12 FT ; HEIGHT: 30 FT A/N: 379739	D102	C77		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, PANGBORN, MODEL 180 M-10CP-3, PULSE JET, WITH A 50-HP EXHAUST BLOWER, AND A DISCHARGE SCREW CONVEYOR, WITH FABRIC FILTER, 2830 SQ.FT.; 180 BAGS A/N: 379748	C77	D84 D92 D93 D94 D95 D98 D102		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E201.2
BAGHOUSE, CLEMCO, MODEL 2160, WITH A 10-HP EXHAUST BLOWER, AND A MECHANICAL SHAKER, WITH FABRIC FILTER, 2160 SQ.FT.; 108 BAGS A/N: 379747	C78	D84 D86 D87 D88 D89 D90		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.1, E201.2

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| <ul style="list-style-type: none"> <li>* (1) (1A) (1B) Denotes RECLAIM emission factor</li> <li>(3) Denotes RECLAIM concentration limit</li> <li>(5) (5A) (5B) Denotes command and control emission limit</li> <li>(7) Denotes NSR applicability limit</li> <li>(9) See App B for Emission Limits</li> </ul> | <ul style="list-style-type: none"> <li>(2) (2A) (2B) Denotes RECLAIM emission rate</li> <li>(4) Denotes BACT emission limit</li> <li>(6) Denotes air toxic control rule limit</li> <li>(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</li> <li>(10) See section J for NESHAP/MACT requirements</li> </ul> |
|--|--|

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 3: OVENS</b>					
<b>System 1: Warming Ovens</b>					
OVEN, WARMING, CORES, DISPATCH, SPECIAL "S" TYPE, 60 KW A/N: 540771	D40				C6.2, E71.2
OVEN, WARMING, CORES, DISPATCH, SPECIAL "S" TYPE, 60 KW A/N: 540770	D41				C6.2, E71.2
<b>System 2: Drying Ovens</b>					
OVEN, DRYING, E.J. ENGINEERING, MODEL EF 6610, 36 KW A/N: 532905	D109				D323.2, H23.5
<b>System 3: Core Burn-out</b>					
OVEN, ELECTRIC, CORE BURN OUT, 164 KW A/N: 379875	D11			PM: (9) [RULE 405, 2-7-1986]	D323.1
OVEN, ELECTRIC, PACIFIC KILN, CORE BURN OUT, 66.8 KW A/N: 379790	D23			PM: (9) [RULE 405, 2-7-1986]	D323.1
OVEN, MICHIGAN OVEN, LIQUIFIED PETROLEUM GAS, NATURAL GAS, CORE BURN OUT, 4.5 MMBTU/HR A/N: 379800	D44		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 6.4 LBS/MM GALS LPG (1) [RULE 2012, 5-6-2005]; 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]	B75.1, C1.3, D12.3, D323.1
<b>Process 4: TANKS AND PROCESSING LINES</b>					
<b>System 1: Tanks</b>					

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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: TANKS AND PROCESSING LINES</b>					
TANK, CLEANING, SULFURIC ACID, UNHEATED, WITH ASSOCIATED RINSE TANKS A/N: 379874	D4				
TANK, SURFACE PREPARATION, UNHEATED, CHROMIC ACID - NITRIC ACID - AMMONIUM BIFLUORIDE, WITH ASSOCIATED RINSE TANK A/N: 379849	D5	C49	NOX: PROCESS UNIT**	NOX: 0.7 LBS/LB (1) [RULE 2012, 5-6-2005]	B295.1
SCRUBBER, KEMP, HORIZONTAL PACKED TYPE, 15-HP EXHAUST BLOWER, WIDTH: 6 FT 6.5 IN; HEIGHT: 6 FT 6.5 IN; LENGTH: 15 FT 1 IN A/N: 379763	C49	D5 D46 D47 D48		PM: (9) [RULE 404, 2-7-1986]	C8.1, C8.2, C10.1, D12.4
TANK, HYDROCHLORIC ACID, 897 GALS; WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 8 FT A/N: 379766	D48	C49			
TANK, UNHEATED, CORROSION PROTECTION, SOLUTION 5, CHROMIC ACID-NITRIC ACID-AMMONIUM BIFLOURIDE ACID, AND ASSOCIATED RINSE TANKS, WIDTH: 3 FT ; HEIGHT: 4 FT ; LENGTH: 6 FT A/N: 383372	D120		NOX: PROCESS UNIT**	NOX: 0.7 LBS/LB (1) [RULE 2012, 5-6-2005]	B295.1
<b>System 2: Aluminum Casting Etching Line</b>					
TANK, HEATED, ALKALINE, WIDTH: 4 FT ; LENGTH: 8 FT ; HEIGHT: 4 FT ; 15 KW A/N: 379767	D46	C49			

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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: TANKS AND PROCESSING LINES</b>					
TANK, DILUTE CHROMIC ACID (DEOX/DESMUT), WIDTH: 4 FT ; HEIGHT: 4 FT ; LENGTH: 8 FT A/N: 379767	D47	C49			
<b>Process 5: GASSING CABINETS</b>					
SHELL CORE MACHINE, NO. 7, CURING-GASSING CABINET A/N: 379880	D2	C67			
SHELL CORE MACHINE, NO. 4, CURING-GASSING CABINET, WITH AN AIR-TRIETHYLAMINE MIXER A/N: 379843	D13	C67			
FILTER, BOX, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 2 IN; LENGTH: 1 FT 6 IN A/N: 379758	C67	D2 D13 C68		PM: (9) [RULE 404, 2-7-1986]	
SCRUBBER, PACKED BED, DU-ALL, MODEL FW-300-1000, WITH A 1.5-HP EXHAUST BLOWER, HEIGHT: 14 FT ; DIAMETER: 2 FT A/N: 379758	C68	C67		PM: (9) [RULE 404, 2-7-1986]	C10.2
SHELL CORE MACHINE, NO. 8, CURING-GASSING CABINET A/N: 379878	D3	C69			
FILTER, BOX, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 2 IN; LENGTH: 1 FT 6 IN A/N: 379757	C69	D3 C70		PM: (9) [RULE 404, 2-7-1986]	
SCRUBBER, PACKED BED, DU-ALL, MODEL FW-300-1000, WITH A 1.5-HP EXHAUST BLOWER, HEIGHT: 14 FT ; DIAMETER: 2 FT A/N: 379757	C70	C69		PM: (9) [RULE 404, 2-7-1986]	C10.2

- \* (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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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: GASSING CABINETS</b>					
SHELL CORE MACHINE, NO. 13, CURING-GASSING CABINET A/N: 379838	D8	C63			
SHELL CORE MACHINE, NO. 14, CURING-GASSING CABINET A/N: 379840	D9	C63			
SHELL CORE MACHINE, NO. 15, CURING-GASSING CABINET A/N: 379839	D10	C63			
SCRUBBER, PACKED BED, SANTEC, MODEL 4000A-3, WITH PH MONITORING SYSTEM, AND A 15-HP EXHAUST BLOWER, WIDTH: 11 FT ; HEIGHT: 13 FT 2 IN; LENGTH: 5 FT 8 IN A/N: 379762	C63	D8 D9 D10		PM: (9) [RULE 404, 2-7-1986]	C10.2
SHELL CORE MACHINE, NO. 1, CURING-GASSING CABINET, WITH AN AIR-TRIETHYLAMINE MIXER A/N: 379844	D12	C71			
FILTER, BOX, ALSO VENTS A RULE 219 CATALYST DISPENSING ROOM, WIDTH: 1 FT 6 IN; HEIGHT: 2 FT ; LENGTH: 2 FT A/N: 379752	C71	D12 C72		PM: (9) [RULE 404, 2-7-1986]	
SCRUBBER, PACKED BED, DU-ALL, MODEL FW-300-1000, WITH A 3.0 HP EXHAUST BLOWER, HEIGHT: 21 FT 6 IN; DIAMETER: 3 FT A/N: 379752	C72	C71		PM: (9) [RULE 404, 2-7-1986]	C10.2

\* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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: GASSING CABINETS</b>					
SHELL CORE MACHINE, NO. 6, CURING-GASSING CABINET, WITH AN AIR-TRIETHYLAMINE MIXER A/N: 379846	D14	C65			
FILTER, BOX, WIDTH: 1 FT 2 IN; HEIGHT: 1 FT 2 IN; LENGTH: 1 FT 6 IN A/N: 379759	C65	D14 C66		PM: (9) [RULE 404, 2-7-1986]	
SCRUBBER, PACKED BED, DU-ALL, MODEL FW-300-1000, WITH A 1.5-HP EXHAUST BLOWER, HEIGHT: 14 FT ; DIAMETER: 2 FT A/N: 379759	C66	C65		PM: (9) [RULE 404, 2-7-1986]	C10.2
<b>Process 6: CORE BLOWING MACHINES</b>					
BLOWER, CORE BLOWING MACHINE, CHM MANUFACTURING, ROTARY 5 POSITION TYPE, MODEL CS-00183, 6 FT. - 4 IN. DIA. X 6 FT. -2 IN. H. A/N: 379779	D57	C64			
BIN, RECEIVING WITH A/N: 527494  BUCKET ELEVATOR, DISCHARGING	D58	C108		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SURGE A/N: 527494	D60			PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, PALMER MANUFACTURING & SUPPLY, MODEL M500, CONTINUOUS TYPE A/N: 527494	D61			PM: (9) [RULE 405, 2-7-1986]	D323.2, E166.1

\* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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: CORE BLOWING MACHINES</b>					
TANK, NOS. 1,2,3, BINDER/CATALYST, EACH 330 GALLON CAPACITY OR SMALLER, 3 TOTAL A/N: 527494	D62			PM: (9) [RULE 405, 2-7-1986]	D323.2
SCRUBBER, PACKED BED, SANTEC, MODEL 4000A-3, WITH PH MONITORING SYSTEM, AND A 15-HP EXHAUST BLOWER, WIDTH: 11 FT ; HEIGHT: 13 FT 2 IN; LENGTH: 5 FT 8 IN A/N: 379762	C63	D8 D9 D10		PM: (9) [RULE 404, 2-7-1986]	C10.2
SCRUBBER, PACKED BED, SANTEC, MODEL 4000A-3, WITH PH MONITORING SYSTEM, AND A 15-HP EXHAUST BLOWER, WIDTH: 11 FT ; HEIGHT: 13 FT 2 IN; LENGTH: 5 FT 8 IN A/N: 379760	C64	D57		PM: (9) [RULE 404, 2-7-1986]	C10.2
<b>Process 7: SPRAY BOOTHS</b>					
SPRAY COATING OPERATION, SOLVENT, ALLIED, MODEL AMS-2087, FLOOR TYPE, ONE COMMON 50-HP EXHAUST BLOWER, WITH SPRAY BOOTH WITH A/N: 379895  FILTER, EXHAUST, 40 TOTAL; HEIGHT: 1 FT 8 IN; LENGTH: 1 FT 8 IN	C118	C132		PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.1, B59.3, C6.1, D322.2, E175.1, H23.1, H23.2, H23.5, K67.1, K67.2

\* (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

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## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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 7: SPRAY BOOTHS</b>					
SPRAY COATING OPERATION, SOLVENT, AMERICAN AIR, BENCH TYPE, ONE COMMON 50-HP EXHAUST BLOWER, WITH SPRAY BOOTH WITH  A/N: 379896  FILTER, EXHAUST, 4 TOTAL; HEIGHT: 1 FT 8 IN; LENGTH: 1 FT 8 IN	C119	C132		PM: (9) [RULE 404, 2-7-1986]; VOC: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	A63.1, B59.3, B163.1, C6.1, D322.2, E175.1, H23.1, H23.2, H23.5, K67.1, K67.2
FILTER, HEPA, 15 TOTAL; WIDTH: 2 FT ; HEIGHT: 11.5 IN; LENGTH: 2 FT  A/N: 379895	C132	C118 C119		PM: (9) [RULE 404, 2-7-1986]	
<b>Process 8: ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, MACHINE, NO. 1, VIKING, SWEDEBRATOR, MODEL 301, WIDTH: 4 FT ; HEIGHT: 6 FT 8 IN; LENGTH: 3 FT WITH  A/N: 379835  POT, 500 POUND CAPACITY  IMPELLER, 10 HP	D39	C38		PM: (9) [RULE 405, 2-7-1986]	D323.2, H23.6
BAGHOUSE, NO. 1, TORIT, MODEL TD 486, PULSE JET CLEANING, 3-HP EXHAUST BLOWER, 486 SQ.FT.; 9 CARTRIDGE  A/N: 379836	C38	D39		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.2, E201.1

\* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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 8: ABRASIVE BLASTING</b>					
ABRASIVE BLASTING, ROOM, CLEMCO, WIDTH: 10 FT ; HEIGHT: 8 FT ; LENGTH: 17 FT WITH A/N: 379751  POT, PRESSURE, CLEMCO, HEIGHT: 2 FT 8 IN; DIAMETER: 2 FT  ABRASIVE BLASTING NOZZLE, DIAMETER: .25 IN  CYCLONE, SEPARATOR, ICM, MODEL UC2000	D73	C76 C113		PM: (9) [RULE 405, 2-7-1986]	D323.2, H23.6
BAGHOUSE, ICM, MODEL HB400E, PULSE JET CLEANED, WITH A 5-HP EXHAUST BLOWER, WITH FABRIC FILTER, 400 SQ.FT. A/N: 379750	C76	D73		PM: (9) [RULE 404, 2-7-1986]	D12.1, D322.1, D381.2, E201.2
SCRUBBER, AMERICAN AIR FILTER, ROTOCLONE, TYPE N, DESIGN 4, SIZE 16, WITH A 60-HP EXHAUST BLOWER A/N: 379884	C113	D73		PM: (9) [RULE 404, 2-7-1986]	D323.2
<b>Process 9: CARBON DEPOSITION</b>					
TORCH, ACETYLENE, CARBON DEPOSITION SYSTEM A/N: 379792	D15	C16		PM: (9) [RULE 405, 2-7-1986]	D323.2

\* (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 CONSOLIDATED FOUNDRIES - POMONA

### 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: CARBON DEPOSITION</b>					
FILTER, AEROCOLGY, MODEL FDV-30, WITH 2-HP BLOWER, WIDTH: 2 FT ; HEIGHT: 7 FT 5 IN; LENGTH: 3 FT 4 IN WITH A/N: 379792  FILTER, PREFILTER  CARBON FILTER  MIST ELIMINATOR  FILTER, BAG, PRIMARY VEE	C16	D15		PM: (9) [RULE 404, 2-7-1986]	D323.2
<b>Process 10: RULE 219 EXEMPT EQUIPMENT</b>					
RULE 219 EXEMPT EQUIPMENT, TANK, CHEMICAL FILM, UNHEATED, 1,000 GAL. CAPACITY	E125				B163.3, C1.12
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E126			ROG: (9) [RULE 1113, 7-13-2007; RULE 1113, 6-3-2011; RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	K67.3
RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS	E127			ROG: (9) [RULE 1171, 2-1-2008; RULE 1171, 5-1-2009]	
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E128				H23.4
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, MANUALLY OPERATED, <53 CU.FT., WITH DUST FILTER	E129			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D381.2, E201.1, H23.6

\* (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 CONSOLIDATED FOUNDRIES - POMONA**

## **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  
 CONSOLIDATED FOUNDRIES - POMONA  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D2	14	5	0
D3	14	5	0
D4	13	4	1
D5	13	4	1
D6	1	1	1
D7	1	1	1
D8	15	5	0
D9	15	5	0
D10	15	5	0
D11	12	3	3
D12	15	5	0
D13	14	5	0
D14	16	5	0
D15	19	9	0
C16	20	9	0
D21	5	2	1
D22	5	2	1
D23	12	3	3
D24	9	2	8
D25	9	2	8
D26	9	2	8
D27	9	2	8
D28	9	2	8
D30	9	2	8
D33	9	2	8
C34	10	2	8
D35	2	1	2
D36	3	1	2
D37	3	1	2
C38	18	8	0
D39	18	8	0
D40	12	3	1
D41	12	3	1
D42	4	1	3
D43	5	1	3

**FACILITY PERMIT TO OPERATE  
 CONSOLIDATED FOUNDRIES - POMONA  
 SECTION D: DEVICE ID INDEX**

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
D44	12	3	3
D46	13	4	2
D47	14	4	2
D48	13	4	1
C49	13	4	1
D50	2	1	1
D51	5	2	2
D54	5	2	2
D56	6	2	2
D57	16	6	0
D58	6	2	3
D58	16	6	0
D60	6	2	3
D60	16	6	0
D61	6	2	3
D61	16	6	0
D62	6	2	3
D62	17	6	0
C63	15	5	0
C63	17	6	0
C64	17	6	0
C65	16	5	0
C66	16	5	0
C67	14	5	0
C68	14	5	0
C69	14	5	0
C70	14	5	0
C71	15	5	0
C72	15	5	0
D73	19	8	0
C76	19	8	0
C77	11	2	9
C78	11	2	9
D79	7	2	4
D80	7	2	4

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D81	7	2	4
D82	7	2	4
D83	7	2	4
D84	10	2	9
D85	10	2	9
D86	10	2	9
D87	10	2	9
D88	10	2	9
D89	10	2	9
D90	10	2	9
D91	10	2	9
D92	10	2	9
D93	10	2	9
D94	10	2	9
D95	11	2	9
D96	11	2	9
D97	11	2	9
D98	11	2	9
D100	11	2	9
D101	11	2	9
D102	11	2	9
C103	8	2	5
D104	7	2	5
D105	7	2	5
D106	8	2	5
D107	8	2	5
C108	6	2	3
D109	12	3	2
D110	8	2	7
D111	8	2	7
D112	8	2	7
C113	19	8	0
D114	3	1	2
D116	4	1	2
C118	17	7	0

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION D: DEVICE ID INDEX

<b>Device Index For Section D</b>			
<b>Device ID</b>	<b>Section D Page No.</b>	<b>Process</b>	<b>System</b>
C119	18	7	0
D120	13	4	1
D121	8	2	6
C122	7	2	4
D123	2	1	1
D124	2	1	1
E125	20	10	0
E126	20	10	0
E127	20	10	0
E128	20	10	0
E129	20	10	0
D130	8	2	6
C132	18	7	0
D137	1	1	1

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

#### **FACILITY CONDITIONS**

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

RULE 1407 COMPLIANCE PLAN REQUIREMENTS AS FOLLOWS:

A. ONLY MATERIAL TESTING METHODS SPECIFIED BY RULE 1407 OR ALTERNATE TESTING METHODS APPROVED BY THE EXECUTIVE OFFICER SHALL BE USED IN THE DETERMINATION OF COMPLIANCE.

I. FOR CADMIUM CONTENT DETERMINATION OF ALUMINUM ALLOYS, THE RULE 1407 METHODS ARE:

ASTM E 227-67 (1982), "STANDARD METHOD FOR OPTICAL EMISSION SPECTROMETRIC ANALYSIS OF ALUMINUM AND ALUMINUM ALLOYS BY THE POINT-TO-PLANE TECHNIQUE".

ASTM E 607-90, "STANDARD METHOD FOR OPTICAL EMISSION SPECTROMETRIC ANALYSIS OF ALUMINUM AND ALUMINUM ALLOYS BY THE POINT-TO-PLANE TECHNIQUE, NITROGEN ATMOSPHERE".

ASTM E 1251-88, "STANDARD METHOD FOR OPTICAL EMISSION SPECTROMETRIC ANALYSIS OF ALUMINUM AND ALUMINUM ALLOYS BY THE ARGON ATMOSPHERE, POINT-TO-PLANE UNIPOLAR SELF-INITIATING CAPACITOR DISCHARGE".

II. FOR ARSENIC CONTENT DETERMINATION OF ALUMINUM ALLOYS, THE RULE 1407 METHODS ARE:

US-EPA METHOD 7061 (REVISION 1, DECEMBER 1987), "ARSENIC (ATOMIC ABSORPTION, GASEOUS HYDRIDE)," U.S. EPA TEST METHODS FOR EVALUATING SOLID WASTE PHYSICAL AND CHEMICAL METHODS, FIRST UPDATE (3rd EDITION), JANUARY 1988: EPA/530/SW-846.3-1: PB 89-14876.

SAMPLE DIGESTION SHALL EMPLOY THE HYDROXIDE DIGESTION TECHNIQUE LISTED IN ATTACHMENT A OF RULE 1407.

B. ALL RECORDS REQUIRED BY RULE 1407, PARAGRAPH (g)(2), SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO DISTRICT

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

PERSONNEL UPON REQUEST. RECORDS SHALL INCLUDE:

I. THE COMPLIANCE PLAN APPLICATION NUMBER

II. RECORDKEEPING AS SPECIFIED IN RULE 1407(g)(2)

C. THIS FACILITY SHALL ONLY MELT MATERIAL THAT CONTAIN LESS THAN 0.004 PERCENT CADMIUM AND LESS THAN 0.002 PERCENT ARSENIC.

D. NO SCRAP OTHER THAN CLEAN ALUMINUM SCRAP OR RERUN SCRAP SHALL BE MELTED AT THIS FACILITY.

E. THE OWNER OR OPERATOR SHALL APPLY FOR AND RECEIVE SCAQMD APPROVAL OF ALL REVISIONS TO THEIR RULE 1407 COMPLIANCE PLAN.

[RULE 1407, 7-8-1994]

### **SYSTEM CONDITIONS**

S1.1 The operator shall limit the material processed to no more than 72 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as the total weight of sand charged to this Sand Reclamation System.

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

[Systems subject to this condition : Process 2, System 8]

S1.2 The operator shall limit the material processed to no more than 264000 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as the amount of sand processed by this system.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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]

[Systems subject to this condition : Process 2, System 2]

S1.3 The operator shall limit the material processed to no more than 0.7 percent.

For the purpose of this condition, material processed shall be defined as the maximum amount of binder processed as a percent of the amount of sand processed.

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

[Systems subject to this condition : Process 2, System 2]

S1.4 The operator shall limit the material processed to no more than 1500 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as sand charged into this system.

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

[Systems subject to this condition : Process 2, System 3]

S1.5 The operator shall limit the material processed to no more than 12 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as binders charged into this system.

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

[Systems subject to this condition : Process 2, System 3]

S1.6 The operator shall limit the material processed to no more than 660 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as catalyst charged into this system.

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

[Systems subject to this condition : Process 2, System 3]

S1.7 The operator shall limit the material processed to no more than 1210 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as sand charged into this system.

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

[Systems subject to this condition : Process 2, System 4]

S1.8 The operator shall limit the material processed to no more than 12.1 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as binders charged into this system.

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

[Systems subject to this condition : Process 2, System 4]

S1.9 The operator shall limit the material processed to no more than 1276 lb(s) in any one month.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 catalyst charged into this system.

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

[Systems subject to this condition : Process 2, System 4]

S1.10 The operator shall limit the material processed to no more than 160 ton(s) in any one day.

For the purpose of this condition, material processed shall be defined as sand charged into this system.

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

[Systems subject to this condition : Process 2, System 9]

S1.11 The operator shall limit the material processed to no more than 1540 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as sand charged into this system.

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

[Systems subject to this condition : Process 2, System 5]

S1.12 The operator shall limit the material processed to no more than 15.3 ton(s) in any one month.

For the purpose of this condition, material processed shall be defined as binders charged into this system.

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### 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]

[Systems subject to this condition : Process 2, System 5]

S1.13 The operator shall limit the material processed to no more than 1535 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as catalyst charged into this system.

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

[Systems subject to this condition : Process 2, System 5]

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 0.2465 LBS IN ANY ONE MONTH
Ethyl Benzene	Less than or equal to 69.5 LBS IN ANY ONE MONTH
Formaldehyde	Less than or equal to 24 LBS IN ANY ONE MONTH
Methylene Phenyl Diisocyanate	Less than or equal to 5400 LBS IN ANY ONE MONTH
Napthalene	Less than or equal to 301.5 LBS IN ANY ONE MONTH
Phenol	Less than or equal to 1320 LBS IN ANY ONE MONTH
Toluene	Less than or equal to 0.2465 LBS IN ANY ONE MONTH
Xylene	Less than or equal to 7.45 LBS IN ANY ONE MONTH

For the purposes of this condition, the emission limit(s) also represent the amount of the compounds processed through this system.

[RULE 1401, 9-10-2010]

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

[Systems subject to this condition : Process 2, System 3]

S2.2 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 0.26 LBS IN ANY ONE MONTH
Ethyl Benzene	Less than or equal to 73 LBS IN ANY ONE MONTH
Formaldehyde	Less than or equal to 24.3 LBS IN ANY ONE MONTH
Methylene Phenyl Diisocyanate	Less than or equal to 5450 LBS IN ANY ONE MONTH
Napthalene	Less than or equal to 322 LBS IN ANY ONE MONTH
Phenol	Less than or equal to 1380 LBS IN ANY ONE MONTH
Toluene	Less than or equal to 0.26 LBS IN ANY ONE MONTH
Xylene	Less than or equal to 14.4 LBS IN ANY ONE MONTH

For the purposes of this condition, the emission limit(s) also represent the amount of the compounds processed through this system.

[RULE 1401, 9-10-2010]

[Systems subject to this condition : Process 2, System 4]

S2.3 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 0.32 LBS IN ANY ONE MONTH
Ethyl Benzene	Less than or equal to 92 LBS IN ANY ONE MONTH
Formaldehyde	Less than or equal to 30.6 LBS IN ANY ONE MONTH

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

Methylene Phenyl Diisocyanate	Less than or equal to 6900 LBS IN ANY ONE MONTH
Napthalene	Less than or equal to 405 LBS IN ANY ONE MONTH
Phenol	Less than or equal to 1685 LBS IN ANY ONE MONTH
Toluene	Less than or equal to 0.32 LBS IN ANY ONE MONTH
Xylene	Less than or equal to 17.3 LBS IN ANY ONE MONTH

For the purposes of this condition, the emission limit(s) also represent the amount of the compounds processed through this system.

[RULE 1401, 9-10-2010]

[Systems subject to this condition : Process 2, System 5]

S20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this system.

[**RULE 405, 2-7-1986**]

[Systems subject to this condition : Process 2, System 1 , 2 , 3 , 4 , 5 , 7 , 8 , 9]

S42.1 The operator shall not process any materials through this equipment that contain any material identified as a toxic air contaminant in Rule 1401, as amended September 10, 2010, except as follows::

Contaminant	CAS#
Benzene	71-43-2
Ethyl Benzene	100-41-4
Formaldehyde	50-00-0
Methylene Phenyl Diisocyanate	101-68-8
Napthalene	91-20-3

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

Phenol	108-95-2
Toluene	108-88-3
Xylene	1330-20-7

[RULE 1401, 9-10-2010]

[Systems subject to this condition : Process 2, System 3 , 4 , 5]

### DEVICE CONDITIONS

#### A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 20 LBS IN ANY ONE DAY
VOC	Less than or equal to 433 LBS IN ANY ONE MONTH

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

[Devices subject to this condition : C118, C119]

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

CONTAMINANT	EMISSIONS LIMIT
Benzene	Less than or equal to 0.013 LBS IN ANY ONE MONTH
Ethyl Benzene	Less than or equal to 3.8 LBS IN ANY ONE MONTH

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

Formaldehyde	Less than or equal to 1.3 LBS IN ANY ONE MONTH
Methylene Phenyl Diisoyanate	Less than or equal to 284 LBS IN ANY ONE MONTH
Napthalene	Less than or equal to 16.6 LBS IN ANY ONE MONTH
Phenol	Less than or equal to 69.5 LBS IN ANY ONE MONTH
Toluene	Less than or equal to 0.013 LBS IN ANY ONE MONTH
Xylene	Less than or equal to 0.7 LBS IN ANY ONE MONTH

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D121]

#### B. Material/Fuel Type Limits

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

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Smoke producing material

[**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 : D6, D7, D35, D36, D37, D42, D43, D123, D124, D137]

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

Aluminum chloride

Chlorine

Fluoride

Metal contaminated with rubber, plastic, paper, rags, oil, grease

Smoke producing material

**[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 : D50, D114, D116]

B59.3 The operator shall not use the following material(s) in this device :

methyl chloroform (1,1,1,-trichloroethane) solvent

[RULE 1401, 9-10-2010]

[Devices subject to this condition : C118, C119]

B75.1 The operator shall not use LPG in this equipment except under the following circumstance(s):

Natural gas curtailment

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

[Devices subject to this condition : D42, D43, D44, D50]

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

B163.1 The operator shall not use coatings, reducers, thinners, and wash solvents containing the following:

Compounds identified as carcinogenic air contaminants in Rule 1401, as amended December 7, 1990

[RULE 1401, 9-10-2010]

[Devices subject to this condition : C119]

B163.2 The operator shall not use or process any materials through this equipment containing the following:

Compounds containing any material identified as a toxic contaminant in Rule 1401 as amended September 10, 2010, except as follows:

- Benzene (CAS# 71-43-2)
- Ethyl Benzene (CAS# 100-41-4)
- Formaldehyde (CAS# 50-00-0)
- Methylene Phenyl Diisocyanate (CAS# 101-68-8)
- Naphthalene (CAS# 91-20-3)
- Phenol (CAS# 108-95-2)
- Toluene (CAS# 108-88-3)
- Xylene (CAS# 1330-20-7)

[RULE 1401, 9-10-2010]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : D121]

B163.3 The operator shall not use or process any materials through this equipment containing the following:

Any Rule 1401 compounds, with the exception of Iridite 14-2

[RULE 1401, 9-10-2010]

[Devices subject to this condition : E125]

B295.1 For the purpose of NOX RECLAIM emission factor, the material shall be defined as the amount of metal removed.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D5, D120]

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

C1.1 The operator shall limit the material processed to no more than 12,000 lb(s) in any one day.

For the purpose of this condition, material processed shall be defined as sand used in the mixing system.

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

[Devices subject to this condition : D22]

C1.2 The operator shall limit the material processed to no more than 84 lb(s) in any one day.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 binder used in the mixing system.

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

[Devices subject to this condition : D22]

- C1.3 The operator shall limit the natural gas fuel usage to no more than 69000 cubic feet per day.

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

[Devices subject to this condition : D44]

- C1.4 The operator shall limit the material processed to no more than 66 ton(s) in any one calendar month.

For the purpose of this condition, material processed shall be defined as materials charged to this furnace.

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

[Devices subject to this condition : D50]

- C1.5 The operator shall limit the material processed to no more than 158400 lb(s) in any one month.

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : D114, D116]

- C1.6 The operator shall limit the natural gas fuel usage to no more than 1344520 cubic feet per month.

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

[Devices subject to this condition : D114, D116]

- C1.7 The operator shall limit the material processed to no more than 63 ton(s) in any one month.

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

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

[Devices subject to this condition : D121]

- C1.8 The operator shall limit the material processed to no more than 1260 lb(s) in any one month.

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

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

[Devices subject to this condition : D121]

- C1.9 The operator shall limit the material processed to no more than 63 lb(s) in any one month.

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : D121]

C1.10 The operator shall limit the material processed to no more than 150000 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as the total amount of material melted, including Beryllium containing material, in this furnace.

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

[Devices subject to this condition : D123, D124]

C1.11 The operator shall limit the material processed to no more than 28000 lb(s) in any one month.

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

The Beryllium containing material shall contain Beryllium of no greater than 0.07 percent, by weight.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D123, D124]

C1.12 The operator shall limit the material processed to no more than 722 lb(s) in any one month.

For the purpose of this condition, material processed shall be defined as the total amount of Iridite 14-2 charged into this equipment.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

[RULE 219, 6-1-2007]

[Devices subject to this condition : E125]

- C6.1 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 filter.

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

[Devices subject to this condition : C118, C119]

- C6.2 The operator shall use this equipment in such a manner that the temperature being monitored, as indicated below, does not exceed 350 Deg F.

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

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

[Devices subject to this condition : D40, D41]

- C8.1 The operator shall use this equipment in such a manner that the flow rate being monitored, as indicated below, is not less than 61 gpm.

To comply with this condition, the operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the scrubbing solution supplied to the scrubber when the equipment it serves is in operation.

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : C49]

- C8.2 The operator shall use this equipment in such a manner that the differential pressure being monitored, as indicated below, is not less than 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 scrubber. The operator shall determine and record the differential pressure once each day.

**[RULE 1469, 10-9-1998; RULE 1469, 12-5-2008; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]**

[Devices subject to this condition : C49]

- C10.1 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 6 and 9 of the pH scale.

The operator shall install and maintain a pH indicator-controller in the sump near the recirculating pump inlet. NaOH solution shall be injected at the opposite end of the sump from the recirculating pump. The operator shall determine and record the pH each day.

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

[Devices subject to this condition : C49]

- C10.2 The operator shall use this equipment in such a manner that the pH being monitored, as indicated below, is maintained between 0 and 4.5 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 acid solution supplied to the scrubber on a continuous basis.

The operator shall record the parameter being monitored once every 1 days.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : C63, C64, C66, C68, C70, C72]

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

D12.1 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter bags.

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

[Devices subject to this condition : C34, C38, C76, C77, C78, C103, C122]

D12.3 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the oven.

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

[Devices subject to this condition : D44]

D12.4 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the fresh make-up water to the scrubber.

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

[Devices subject to this condition : C49]

D12.7 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the filter cartridges.

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : C108]

- D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media. The operator shall keep records, in a manner approved by the district, for the following parameters or items: 1) The name of the person or persons performing the inspection and/or maintenance of the filter media; 2) The date, time and results of the inspection; and 3) 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 : C34, C38, C76, C77, C78, C103, C108, C122, E129]

- D322.2 The operator shall perform a weekly inspection of equipment and filter media for leaks, broken or torn filter media and improperly installed filter media. The operator shall keep records in a manner approved by the district for the following parameters or items: 1) The name of the person or persons performing the inspection and/or maintenance of the filter media; 2) The date, time and results of the inspection; and 3) 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 : C118, C119]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

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

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **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 : D6, D7, D11, D23, D35, D36, D37, D44, D50,  
D114, D116, D123, D124, D137]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours..

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

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

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

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 : D15, C16, D21, D22, D24, D25, D26, D27, D28, D30, D33, D39, D51, D54, D56, D58, D60, D61, D62, D73, D79, D80, D81, D82, D83, D84, D85, D86, D87, D88, D89, D90, D91, D92, D93, D94, D95, D96, D97, D98, D100, D101, D102, D104, D105, D106, D109, D110, D111, D112, C113, D121, D130]

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 : C34, C77, C78, C103, C122]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### 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 an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

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

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

[Devices subject to this condition : C38, C76, C108, E129]

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

E71.2 The operator shall only use this equipment to remove moisture from the cores.

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

[Devices subject to this condition : D40, D41]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

E71.4 The operator shall not operate this equipment for fluxing and refining.

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

[Devices subject to this condition : D50, D114, D116]

E71.7 The operator shall not operate this equipment if the Nickel content of all material melted is greater than 0.05% by weight.

[RULE 1401, 9-10-2010]

[Devices subject to this condition : D123, D124]

E71.8 The operator shall not operate this equipment unless the sand residence (mixing) time setting does not exceed 60 seconds.

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

[Devices subject to this condition : D56]

E166.1 The operator shall keep all openings from this equipment closed when in use except during charging operation.

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

[Devices subject to this condition : D61]

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

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 : C118, C119]

E201.1 The operator shall remove the materials collected in this equipment to enclosed containers.

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

[Devices subject to this condition : C34, C38, C103, C108, C122, E129]

E201.2 The operator shall remove the materials collected in this equipment to closed containers or returned to process.

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

[Devices subject to this condition : C76, C77, C78]

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

The operator shall clean the bags in the baghouse after each load of material that is charged to the hopper

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

[Devices subject to this condition : C122]

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

#### 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

**[RULE 109, 5-2-2003]**

[Devices subject to this condition : C118, C119]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	481

**[RULE 481, 1-11-2002]**

[Devices subject to this condition : C118, C119]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

[RULE 1415, 12-3-2010; 40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E128]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1124

[RULE 1124, 9-21-2001]

[Devices subject to this condition : D109, C118, C119]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1140

[RULE 1140, 2-1-1980; RULE 1140, 8-2-1985]

[Devices subject to this condition : D39, D73, E129]

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment covered by the monthly limit. 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 management official responsible for compliance with District Rules.

The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months

The operator shall retain for 5 years all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility

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

[Devices subject to this condition : C118, C119]

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

The operator shall determine and record the pressure drop across the filter once every week

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

[Devices subject to this condition : C118, C119]

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

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 : E126]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

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

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

Not Applicable

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

Not Applicable

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

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

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

2. The operator shall, as applicable, conduct source tests for every large NO<sub>x</sub> source no later than June 30, 1997 and every 3 years thereafter. The source test shall include the determination of NO<sub>x</sub> concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO<sub>x</sub> large sources and NO<sub>x</sub> process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

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

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

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

1. The operator shall submit a quarterly certification of emissions including the facility's total NO<sub>x</sub> or SO<sub>x</sub> emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

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

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

Not Applicable

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

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

Not Applicable

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

1. Electronically report the calculated quarterly NO<sub>x</sub> emissions for each NO<sub>x</sub> process unit. The Operator shall comply with this requirement within 12 months of the date of entry to the RECLAIM Program. [2012]

**FACILITY PERMIT TO OPERATE  
CONSOLIDATED FOUNDRIES - POMONA**

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

NONE

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **SECTION I: PLANS AND SCHEDULES**

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

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

**FACILITY PERMIT TO OPERATE  
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**SECTION J: AIR TOXICS**

NOT APPLICABLE

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration

#### GENERAL PROVISIONS

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

#### **Permit Renewal and Expiration**

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

#### **Duty to Provide Information**

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

#### **Payment of Fees**

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **SECTION K: TITLE V Administration**

#### **Reopening for Cause**

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

#### **COMPLIANCE PROVISIONS**

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

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **SECTION K: TITLE V Administration**

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

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

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **SECTION K: TITLE V Administration RECORDKEEPING PROVISIONS**

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

### **REPORTING PROVISIONS**

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration

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

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **SECTION K: TITLE V Administration**

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

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

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

### **PERIODIC MONITORING**

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration

#### *FACILITY RULES*

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

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

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1124	9-21-2001	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1146.2	1-9-1998	Federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non federally enforceable
RULE 1303(b)(2)-Offset	5-10-1996	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1404	4-6-1990	Non federally enforceable
RULE 1407	7-8-1994	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1469	10-9-1998	Federally enforceable
RULE 1469	12-5-2008	Non federally enforceable
RULE 2012	5-6-2005	Federally enforceable
RULE 204	10-8-1993	Federally enforceable

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	3-16-2001	Non federally enforceable
RULE 3004	12-12-1997	Federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	3-16-2001	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 304	5-11-2001	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	2-7-1986	Federally enforceable
RULE 407	4-2-1982	Federally enforceable
RULE 408	5-7-1976	Federally enforceable
RULE 409	8-7-1981	Federally enforceable
RULE 430	7-12-1996	Non federally enforceable
RULE 442	12-15-2000	Federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 82 Subpart F	5-14-1993	Federally enforceable

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

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

1. CONCRETE SAW, GASOLINE, < OR = 50 BHP
2. MISCELLANEOUS HEATERS, < OR = 2 MMBTU/HR
3. FURNACES, < OR = 2 MMBTU/HR
4. CASTING WARMING TORCHES, < OR = 2 MMBTU/HR
5. COMFORT HEATERS, < OR = 2 MMBTU/HR
6. WATER HEATERS, < OR = 2 MMBTU/HR
7. OVENS, < OR = 2 MMBTU/HR

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]**

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
  - (A) That is listed in the Table of Standards 1 and contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified; or
  - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

#### TABLE OF STANDARDS 1 VOC LIMITS

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

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Bond Breakers		350			
Clear Wood Finishes		275			
Varnish	350	275			
Sanding Sealers	350	275			
Lacquer		275			
Concrete-Curing Compounds		100			
Concrete-Curing Compounds For Roadways and Bridges <sup>3</sup>		350			
Concrete Surface Retarder		250			50
Driveway Sealer		100		50	
Dry-Fog Coatings		150			50
Faux Finishing Coatings					
Clear Topcoat		350		200	
Decorative Coatings		350			100
Glazes		350			
Japan		350			
Trowel Applied Coatings		350		150	50
Fire-Proofing Coatings		350			150
Flats	250	50	50		
Floor Coatings	100	50			
Form Release Compound		250			100
Graphic Arts (Sign) Coatings		500			150
Industrial Maintenance (IM) Coatings	420	100			
High Temperature IM Coatings		420			
Non-Sacrificial Anti-Graffiti Coatings		100			
Zinc-Rich IM Primers	340	100			
Magnesite Cement Coatings		450			
Mastic Coatings		300			100
Metallic Pigmented Coatings	500	500			150
Multi-Color Coatings		250			
Nonflat Coatings	150	50			
Pre-Treatment Wash Primers		420			
Primers, Sealers, and Undercoaters	200	100			
Reactive Penetrating Sealers		350			
Recycled Coatings		250			
Roof Coatings	250	50			
Roof Coatings, Aluminum		100			

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

Roof Primers, Bituminous	350	350		
Rust Preventative Coatings	400	100		
Stone Consolidant		450		
Sacrificial Anti-Graffiti Coatings		100		50
Shellac				
Clear		730		
Pigmented		550		
Specialty Primers	350	100		
Stains		100		

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	Effective Date		
			7/1/08	1/1/12	1/1/14
Stains, Interior	250	250			
Swimming Pool Coatings					
Repair		340			
Other		340			
Traffic Coatings		100			
Waterproofing Sealers	250	100			
Waterproofing Concrete/Masonry Sealers	400	100			
Wood Preservatives		350			

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

#### TABLE OF STANDARDS 1 (cont.) VOC LIMITS

##### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

#### TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

##### Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

COLORANT	Limit <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

## **FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which contains VOC (excluding any colorant added to tint bases) in excess of the corresponding VOC limit specified in the table, after the effective date specified, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

#### TABLE OF STANDARDS VOC LIMITS

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

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

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

# FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

## APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

### TABLE OF STANDARDS (cont.) VOC LIMITS

#### Grams of VOC Per Liter of Material

COATING	Limit
Low-Solids Coating	120

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
(B) Repair and Maintenance Cleaning			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals			
(A) Tools, Equipment, & Machinery	800 (6.7)		
(B) General Work Surfaces	600 (5.0)		
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)		
(D) Cleaning of Ink Application Equipment			
(i) General	25 (0.21)		
(ii) Flexographic Printing	25 (0.21)		
(iii) Gravure Printing			
(A) Publication	100 (0.83)		
(B) Packaging	25 (0.21)		
(iv) Lithographic (Offset) or Letter Press Printing			
(A) Roller Wash, Blanket Wash, & On-Press Components			
(I) Newsprint	100 (0.83)		

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(II) Other Substrates	500 (4.2)	100 (0.83)	
(B) Removable Press Components	25 (0.21)		
(v) Screen Printing	500 (4.2)	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)		
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)		

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(1) Solvent Requirements

A person shall not use a solvent to perform solvent cleaning operations unless the solvent complies with the applicable requirements set forth below:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	
(iii) Medical Devices & Pharmaceuticals	800 (6.7)	
(B) Repair and Maintenance Cleaning		
(i) General	25 (0.21)	
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(iii) Medical Devices & Pharmaceuticals		
(A) Tools, Equipment, & Machinery	800 (6.7)	
(B) General Work Surfaces	600 (5.0)	
(C) Cleaning of Coatings or Adhesives Application Equipment	25 (0.21)	
(D) Cleaning of Ink Application Equipment		
(i) General	25 (0.21)	
(ii) Flexographic Printing	25 (0.21)	
(iii) Gravure Printing		
(A) Publication	100 (0.83)	
(B) Packaging	25 (0.21)	
(iv) Lithographic (Offset) or Letter Press Printing		
(A) Roller Wash, Blanket Wash, & On-Press Components	100 (0.83)	

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

### APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(B) Removable Press Components	25 (0.21)	
(v) Screen Printing	100 (0.83)	
(vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing)	650 (5.4)	100 (0.83)
(vii) Specialty Flexographic Printing	100 (0.83)	
(E) Cleaning of Polyester Resin Application Equipment	25 (0.21)	

\* The specified limits remain in effect unless revised limits are listed in subsequent columns.

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a). Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

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

**TABLE 404(a)**

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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

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

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

**TABLE 405(a)**

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

## FACILITY PERMIT TO OPERATE CONSOLIDATED FOUNDRIES - POMONA

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

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