



# South Coast Air Quality Management District

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

June 6, 2013

Mr. George Cieutat  
Safety & Environmental Specialist  
Praxair Inc  
2300 E. Pacific Coast Hwy  
Wilmington, CA 90744

Dear Mr. Cieutat:

**SUBJECT:** RECLAIM/Title V Facility Permit Revision (Facility ID: 7416)

Please find attached the revised Title Page, Table of Contents, Section A and Section D of your RECLAIM/Title V Facility Permit. The revised sections reflect the approval of the administrative permit revision requested in your Application No. 540206. The revised Section D includes the administrative changes on the following equipment:

Equipment	Application Nos.	Device Nos.	Process/ System	Permit Type
Heater, pressure washer	540204	D28	7/0	PO
Heater	540205	D29	5/1	PO
Cooling Tower (Rule 219 Exempt Equipment)	N/A	E33	8/0	NA

Please review the attached sections carefully. Insert the attached sections into your Facility Permit and discard the earlier versions. Questions concerning changes to your permit should be directed to Ms. Tracy Nguyen at (909) 396-2427.

Sincerely,

Mohan Balagopalan  
Senior Manager  
Mechanical, Chemical and Ports Permitting

MB: TN  
Attachments

cc: Gerardo Rios, EPA Region IX



## FACILITY PERMIT TO OPERATE

**PRAXAIR INC  
2300 E PACIFIC COAST HWY  
WILMINGTON, CA 90744**

### 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



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

Title Page	
Facility ID:	007416
Revision #:	33
Date:	June 06, 2013

## FACILITY PERMIT TO OPERATE

**PRAXAIR INC  
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Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

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



**FACILITY PERMIT TO OPERATE  
PRAXAIR INC**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** PRAXAIR INC

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

**EQUIPMENT LOCATION:** 2300 E PACIFIC COAST HWY  
WILMINGTON, CA 90744-2919

**MAILING ADDRESS:** 2300 E PACIFIC COAST HWY  
WILMINGTON, CA 90744-2919

**RESPONSIBLE OFFICIAL:** DON MEDLING

**TITLE:** FACILITY MANAGER

**TELEPHONE NUMBER:** (562) 983-2175

**CONTACT PERSON:** GEORGE CIEUTAT

**TITLE:** SAFETY & ENVIRONMENTAL SPECIALIST

**TELEPHONE NUMBER:** (562) 983-2177

**TITLE V PERMIT ISSUED:** May 15, 2008

**TITLE V PERMIT EXPIRATION DATE:** May 14, 2013

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>YES</b>
	<b>SOx:</b>	<b>NO</b>
	<b>CYCLE:</b>	<b>1</b>
	<b>ZONE:</b>	<b>COASTAL</b>



**FACILITY PERMIT TO OPERATE  
PRAXAIR INC**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** PRAXAIR INC

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**RESPONSIBLE OFFICIAL:** DON MEDLING

**TITLE:** FACILITY MANAGER

**TELEPHONE NUMBER:** (562) 983-2175

**CONTACT PERSON:** GEORGE CIEUTAT

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**TELEPHONE NUMBER:** (562) 983-2177

**TITLE V PERMIT ISSUED:** May 15, 2008

**TITLE V PERMIT EXPIRATION DATE:** May 14, 2013

TITLE V	RECLAIM
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YES	NOx: YES
	SOx: NO
	CYCLE: 1
	ZONE: COASTAL

## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 2: EXTERNAL COMBUSTION</b>					
BOILER, NATURAL GAS, CLAYTON INDUSTRIES, MODEL EG254-1-LNB, WITH LOW NOX BURNER, 10.2 MMBTU/HR A/N: 446208	D30		NOX: LARGE SOURCE**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5B) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 12 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 12 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D28.1
BOILER, NATURAL GAS, CLAYTON INDUSTRIES, MODEL EG254-1-LNB, WITH LOW NOX BURNER, 10.2 MMBTU/HR A/N: 446209	D31		NOX: LARGE SOURCE**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5B) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 12 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; NOX: 12 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D28.1
<b>Process 3: AIR POLLUTION CONTROL SYSTEM</b>					

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

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



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 3: AIR POLLUTION CONTROL SYSTEM</b>					
SELECTIVE CATALYTIC REDUCTION, JOHNSON-MATTHEY, 375 CU.FT. A/N: 174947	C9	C10			D12.1, D28.3
REACTOR, CO OXIDATION CATALYST, 75 CU.FT. A/N: 174947	C10	C9 D15			D12.3, D28.2
INJECTOR, AMMONIA A/N: 174947	C11	D15			
STORAGE TANK, AMMONIA, 10000 GALS A/N: 174947	D12				
<b>Process 5: OXYGEN VAPORIZER</b>					
HEATER, NATURAL GAS, CRYOQUIP, MODEL VETU-11-1000-2CL-25, OXYGEN VAPORIZER WITH TWO COEN BURNERS, EACH 9,000,000 BTU/HR, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 18 MMBTU/HR A/N: 328853	D23		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5B) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 38.46 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.2, D12.2, D28.1, E113.1
HEATER, NATURAL GAS, OXYGEN VAPORIZER WITH THREE ECLIPSE BURNERS, EACH 4,000,000 BTU/HR, 12 MMBTU/HR A/N: 178585	D14		NOX: PROCESS UNIT**	CO: 400 PPMV NATURAL GAS (5B) [RULE 1146, 11-17-2000]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	C1.1, C1.2, D12.2, D111.1, D328.3

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

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



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
<b>Process 5: OXYGEN VAPORIZER</b>					
<b>System 1: AIR PURIFICATION</b>					
HEATER, WITH LOW NOX BURNER, NATURAL GAS, GTS ENERGY, INC., MODEL HD-0710, 2.6 MMBTU/HR A/N: 540205	D29		NOX: PROCESS UNIT**	CO: 50 PPMV NATURAL GAS (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; CO: 400 PPMV NATURAL GAS (5) [RULE 1146.1, 5-13-1994]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 20 PPMV NATURAL GAS (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a) (1)-BACT, 12-6-2002]; NOX: 20 PPMV NATURAL GAS (3) [RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D12.2, D28.4, D332.1
<b>Process 6: COGENERATION</b>					

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

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





## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 6: COGENERATION</b>					
BOILER, WASTE HEAT, HRSG, NATURAL GAS, WASTE HEAT, WITH LOW NOX BURNER, 52 MMBTU/HR WITH A/N: 469707  BURNER, NATURAL GAS, COEN, WITH LOW NOX BURNER, 2 TOTAL; 26 MMBTU/HR  TURBINE, STEAM  GENERATOR, 7500 KW	D15	C10 C11 D16	NOX: MAJOR SOURCE**	CO: 400 PPMV NATURAL GAS (5B) [RULE 1146, 5-13-1994]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; NOX: 47.75 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D323.1, D328.3, E313.1, E315.1, K67.1
<b>Process 8: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
<b>System 1: Rule 219 Exempt Equipment</b>					
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E24			ROG: (9) [RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	H23.1
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E25			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-9-2006; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	K67.2
RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS	E26				H23.3
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E27				H23.3
HEATER, PRESSURE WASHER, DIESEL FUEL, LANDA, MODEL VHW2-11021D, 0.3 MMBTU/HR	E28		NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF (5) [RULE 404, 2-7-1986]	B61.1, C1.3, D323.1, K48.1

\* (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 PRAXAIR INC

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

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
<b>Process 8: Rule 219 Exempt Equipment Subject to Source-Specific Requirements</b>					
RULE 219 EXEMPT EQUIPMENT, SMALL BOILERS, WATER HEATERS AND PROCESS HEATERS, >1 MMBTU/HR AND <= 2 MMBTU/HR	E32			CO: 400 PPMV NATURAL GAS (5B) [RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]; CO: 2000 PPMV NATURAL GAS (5A) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	H23.4
RULE 219 EXEMPT EQUIPMENT, COOLING TOWER, WOODEN TYPE	E33				H23.5

- (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  
PRAXAIR INC**

**SECTION D: DEVICE ID INDEX**

**The following sub-section provides an index  
to the devices that make up the facility  
description sorted by device ID.**



**FACILITY PERMIT TO OPERATE  
PRAXAIR INC**

**SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
C9	2	3	0
C10	2	3	0
C11	2	3	0
D12	2	3	0
D14	2	5	0
D15	5	6	0
D16	4	6	0
D23	2	5	0
E24	5	8	1
E25	5	8	1
E26	5	8	1
E27	5	8	1
E28	5	8	1
D29	3	5	1
D30	1	2	0
D31	1	2	0
E32	6	8	1
E33	6	8	1



## FACILITY PERMIT TO OPERATE PRAXAIR INC

### 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]

F14.1 The operator shall not use diesel fuel containing sulfur compounds in excess of 0.05 percent by weight.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

F14.2 The operator shall not use diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

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

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

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

### DEVICE CONDITIONS

#### A. Emission Limits

A327.1 For the purpose of determining compliance with District Rule 475, combustion contaminant emissions may exceed the concentration limit or the mass emission limit listed, but not both limits at the same time.

[RULE 475, 10-8-1976; RULE 475, 8-7-1978]

[Devices subject to this condition : D16]

#### B. Material/Fuel Type Limits

B61.1 The operator shall only use diesel fuel containing the following specified compounds:

Material	Sulfur Content	weight percent



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

Diesel Fuel | less than or equal to | 0.05

The .05 percent sulfur limit shall not apply to existing supplies of any liquid fuel in storage as of October 1, 1993 until such supply is exhausted.

[RULE 431.2, 5-4-1990; RULE 431.2, 9-15-2000]

[Devices subject to this condition : E28]

#### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the natural gas fuel usage to no more than 8.57143e+06 cubic feet per year.

[RULE 1146, 11-17-2000]

[Devices subject to this condition : D14]

C1.2 The operator shall limit the heat input to no more than 23000 MM Btu in any one year.

The purpose(s) of this condition is to ensure that this equipment qualifies as a process unit.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D14, D23]

C1.3 The operator shall limit the operating time to no more than 20 hour(s) in any one day.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the the equipment.



**FACILITY PERMIT TO OPERATE  
PRAXAIR INC**

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

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

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

[Devices subject to this condition : E28]

**D. Monitoring/Testing Requirements**

D12.1 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio at the outlet.

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 3 months.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : C9]

D12.2 The operator shall install and maintain a(n) non-resettable totalizing fuel flow meter to accurately indicate the fuel usage of the equipment.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D14, D23, D29]

D12.3 The operator shall install and maintain a(n) thermocouple to accurately indicate the temperature at the inlet and outlet.

[Devices subject to this condition : C10]

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



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

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

The test shall be conducted at least annually.

The test shall be conducted to demonstrate compliance with the CO concentration limits.

The test shall be conducted to determine the CO emissions using District Method 100.1 or District approved portable analyzer measured over 15 minute averaging time period.

[RULE 1146, 11-17-2000; RULE 407, 4-2-1982]

[Devices subject to this condition : D23, D30, D31]

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

The test shall be conducted at least quarterly.

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

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

[Devices subject to this condition : C10]

D28.3 The operator shall conduct source test(s) in accordance with the following specifications:

The test shall be conducted at least quarterly.

The test shall be conducted to determine the NH<sub>3</sub> emissions at the outlet.



**FACILITY PERMIT TO OPERATE**  
**PRAXAIR INC**

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

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

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

[Devices subject to this condition : C9]

D28.4 The operator shall conduct source test(s) in accordance with the following specifications:

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

The test shall be conducted every five-year period, with the first five-year period ending December 31, 2009.

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

[Devices subject to this condition : D29]

D111.1 The operator shall comply with the tune-up requirements of Rule 1146. Records shall be maintained for the date of each tune-up, the company performing the tune-up, and the tune-up results for NOX, CO and O2.

**[RULE 1146, 11-17-2000]**

[Devices subject to this condition : D14]



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

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

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

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

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

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



**FACILITY PERMIT TO OPERATE  
PRAXAIR INC**

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

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

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

[Devices subject to this condition : D15, E28]

D328.3 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with the CO concentration limit(s). The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D14, D15]

D332.1 The operator shall determine compliance with the CO emission limit(s) by conducting a test at least once every five years using a portable analyzer and AQMD-approved test method or, if not available, a non-AQMD approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146.1 concentration limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

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

[Devices subject to this condition : D29]

**E. Equipment Operation/Construction Requirements**

E71.1 The operator shall only use steam or water injection in this equipment if steam or water/fuel mass ratio for natural gas combustion is 1 to 1 or more.



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

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

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

[Devices subject to this condition : D16]

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

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D23]

- E313.1 This device is classified as a non-operated major NOx source as defined under Rule 2012 and shall not be operated unless the Facility Permit holder provides written notification to the Executive Officer 30 days prior to starting operation. In order to maintain the non-operational classification, the Facility Permit holder shall:

- (a) Remove a section of the fuel feed line(s) to the device and place a blind flange on both ends of the fuel feed line(s); and
- (b) Remove all process control units.

Removal of parts or components solely to qualify the device for non-operated classification pursuant to this condition, or replacement of the same removed parts or components resulting in the device no longer being classified as non-operated shall not be deemed to affect the potential to emit within the meanings of Rule 2005, Regulation XIII and Regulation XXX.

[RULE 2012, 5-6-2005]



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

[Devices subject to this condition : D15, D16]

E315.1 Once this device is operated, it shall no longer be classified as non-operational. This device shall also meet the monitoring requirements of Rule 2012, subparagraph (c)(2)(A) or (c)(2)(B) no later than 30 calendar days after the start of operation except as provided in Rule 2012, paragraph (c)(10).

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D15, D16]

**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	1122

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E24]

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

Contaminant	Rule	Rule/Subpart
CO	District Rule	1134

[RULE 1134, 8-8-1997]



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

[Devices subject to this condition : D16]

H23.3 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

[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E26, E27]

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

CONTAMINAT	RULE	RULE/SUBPART
CO	District Rule	1146.2

[RULE 1146.2, 1-9-1998; RULE 1146.2, 1-7-2005]

[Devices subject to this condition : E32]

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

This equipment is exempted from periodic water testing requirement of rule 1404(b) (5)

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E33]

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

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number C 1-3

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

[Devices subject to this condition : E28]

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

fuel usage in the waste heat boiler

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

[Devices subject to this condition : D15]

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



## FACILITY PERMIT TO OPERATE PRAXAIR INC

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

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

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.

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.

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

[Devices subject to this condition : E25]