



# South Coast Air Quality Management District

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

November 2, 2011

Mr. Robert Henderson  
Vice President  
OLS Energy-Chino  
5601 Eucalyptus Ave  
Chino, CA 91710

Dear Mr. Henderson:

**SUBJECT:** RECLAIM/Title V Facility Permit Revision (Facility ID: 47781)

Please find attached the revised Title Page, Table of Contents, and Section D of your RECLAIM/Title V Facility Permit. The revised section reflects the approval of the permit revisions requested in your Application No. 522540. The proposed permit revision was submitted to EPA for 45-day review on August 5, 2011. This permit includes the addition of the FGRs into the description for Boilers 1 and 2 of the following equipment:

Equipment	Application Nos.	Device Nos.	Process	Permit Types
Boiler 1	522545	D6	2/0	PO
Boiler 2	522546	D7	2/0	PO

Please review the attached sections carefully. Insert the enclosed sections into your RECLAIM/Title V Facility Permit and discard the earlier version. Questions concerning changes to your permit should be directed to Mr Chris Perri at (909) 396-2696.

Sincerely,

Brian L. Yeh  
Senior Manager  
Mechanical, Chemical, and Public Services

BLY:AYL:JTY:cgp

Attachment

cc: Gerardo Rios, EPA Region IX



## FACILITY PERMIT TO OPERATE

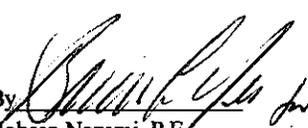
**OLS ENERGY-CHINO  
5601 EUCALYPTUS AVE  
CHINO, CA 91710**

### 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 OLS ENERGY-CHINO

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## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

### 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: INTERNAL COMBUSTION</b>					
<b>System 1: INTERNAL COMBUSTION INDUSTRIAL</b>					
TURBINE, DIESEL FUEL, NATURAL GAS, GENERAL ELECTRIC, MODEL LM2500-33, WITH STEAM OR WATER INJECTION, INTAKE AIR COOLER, 233.75 MMBTU/HR 417652	D1	C3	NOX: MAJOR SOURCE**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 12 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]; NOX: 193 PPMV NATURAL GAS (8) [40CFR 60 Subpart GG, 3-6-1981]; NOX: 209 PPMV FUEL OIL (8) [40CFR 60 Subpart GG, 3-6-1981]; PM: 0.01 GRAINS/SCF (5A) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]; PM: 11 LBS/HR (5B) [RULE 475, 10-8-1976; RULE 475, 8-7-1978]; SOX: 150 PPMV (8) [40CFR 60 Subpart GG, 3-6-1981]; SOX: 500 PPMV DIESEL (5) [RULE 407, 4-2-1982]	A63.2, A63.3, A63.6, A99.1, A327.1, B75.1, D12.1, D12.2, D28.1, D82.1, D90.1, D371.1, E17.1, E17.2, E17.3, E73.1, K40.1, K67.3, K171.1, K180.1
BOILER, HEAT RECOVERY STEAM GENERATOR, UNFIRED, 66,000 LBS PER HOUR OF 600 PSIG STEAM					
GENERATOR, 23.6 MW	D2				
STEAM TURBINE, STEAM GENERATOR, 7.6 MW					

\* (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 OLS ENERGY-CHINO

### 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: INTERNAL COMBUSTION</b>					
SELECTIVE CATALYTIC REDUCTION WITH A/N: 180288  AMMONIA INJECTION, AND VAPORIZATION SYSTEM	C3	D1		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	D12.2, E73.2, K67.2
<b>System 2: INTERNAL COMBUSTION, ELECTRIC GENERATION</b>					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, DETROIT DIESEL ALLISON, MODEL 16V71T, 830 HP WITH A/N: 410480  GENERATOR, 610 KW	D5		NOX: PROCESS UNIT**	NOX: 469 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]	C1.3, D12.3, E17.3, E193.2, K48.2
<b>Process 2: EXTERNAL COMBUSTION</b>					
BOILER, NO. 1, NATURAL GAS, BABCOCK & WILCOX, MODEL FM 10-52, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 31 MMBTU/HR WITH A/N: 522545  BURNER, NATURAL GAS, COEN, MODEL DAF, WITH LOW NOX BURNER, 31 MMBTU/HR	D6		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 37.245 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.1, E17.1, E71.2, E193.1, K48.1

\* (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 OLS ENERGY-CHINO

### 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, NO. 2, NATURAL GAS, BABCOCK & WILCOX, MODEL FM 10-52, WITH LOW NOX BURNER, FLUE GAS RECIRCULATION, 31 MMBTU/HR WITH A/N: 522546  BURNER, NATURAL GAS, COEN, WITH LOW NOX BURNER, 31 MMBTU/HR	D7		NOX: LARGE SOURCE**	CO: 400 PPMV (5A) [RULE 1146, 11-17-2000]; CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 37.245 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.1, E17.2, E71.2, E193.1, K48.1
<b>Process 3: INORGANIC CHEMICAL STORAGE</b>					
STORAGE TANK, ACID, WITH MIST ELIMINATOR, 5076 GALS A/N: 227627	D8				
STORAGE TANK, FIXED ROOF, ANHYDROUS AMMONIA A/N: 180288	D9				
<b>Process 6: R-219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E18				H23.1
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E20				H23.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E21			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-9-2006; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006]	K67.1
RULE 219 EXEMPT EQUIPMENT, FIRE ESTINGUISHING EQUIPMENT USING HALONS	E23				H23.2
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E24				H23.3

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

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



**FACILITY PERMIT TO OPERATE  
OLS ENERGY-CHINO**

**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 of RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES</b>					
RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT USING HALONS	E23				H23.2
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E24				H23.3

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

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



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**FACILITY PERMIT TO OPERATE  
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**SECTION D: DEVICE ID INDEX**

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



**FACILITY PERMIT TO OPERATE  
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**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>
D1	1	1	1
D2	1	1	1
C3	2	1	1
D5	2	1	2
D6	2	2	0
D7	3	2	0
D8	3	3	0
D9	3	3	0
E18	3	6	0
E20	3	6	0
E21	3	6	0
E23	4	6	0
E24	4	6	0



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

### 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, 9-11-1998]

F14.1 The operator shall not use fuel oil 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 purchase diesel fuel containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.

This condition shall become effective on or after June 1, 2004.

[RULE 431.2, 9-15-2000]



**FACILITY PERMIT TO OPERATE  
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**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**

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

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 500 LBS IN ANY ONE DAY

This condition applies when the turbine is fired on natural gas

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

[Devices subject to this condition : D1]

A63.3 The operator shall limit emissions from this equipment as follows:



**FACILITY PERMIT TO OPERATE  
OLS ENERGY-CHINO**

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

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

CONTAMINANT	EMISSIONS LIMIT
SOX	Less than or equal to 80000 LBS IN ANY ONE YEAR

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

[Devices subject to this condition : D1]

A63.6 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than 1373 LBS IN ANY ONE DAY

This condition applies when the turbine is fired on diesel

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

[Devices subject to this condition : D1]

A99.1 The 12 PPM NOX emission limit(s) shall not apply when startup and shutdown occurs. The NOx emission concentrations shall not exceed 125 ppmv while firing natural gas and 235 ppmv while firing fuel oil during startup and shutdown.

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

[Devices subject to this condition : D1]

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.



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## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

[Devices subject to this condition : D1]

#### B. Material/Fuel Type Limits

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

Emergency

Natural gas curtailment (force majeure)

Compliance testing

System integrity testing not to exceed 1 hour in any one month or 12 hours in any one year.

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

[Devices subject to this condition : D1]

#### C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the natural gas fuel usage to no more than 708570 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 : D6, D7]



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## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

- C1.3 The operator shall limit the operating time to no more than 199.99 hour(s) in any one year.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 2012, 5-6-2005]

[Devices subject to this condition : D5]

#### D. Monitoring/Testing Requirements

- D12.1 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the water-to-fuel ratio of the device.

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

The measuring device or gauge shall be accurate to within plus or minus 5 percent. It shall be calibrated once every 12 months.

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

[Devices subject to this condition : D1]

- D12.2 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia-to-emitted-NOx mole ratio applied to the SCR reactor.

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

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

[Devices subject to this condition : D1, C3]



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

D12.3 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time in the engine.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;  
RULE 2012, 5-6-2005]

[Devices subject to this condition : D5]

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

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

The test shall be conducted to determine the non-methane hydrocarbon emissions at the outlet.

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

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

The test shall be conducted to determine the NH3 emissions at the outlet.

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

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

The test shall be conducted to determine the flow rate at the outlet.

The test shall be conducted to determine the Formaldehyde at the outlet.

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

[Devices subject to this condition : D1]



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## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

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

CO concentration in ppmv

O2 concentration in ppmv

Concentrations shall be corrected to 15 percent oxygen on a dry basis.

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

[Devices subject to this condition : D1]

D90.1 The operator shall periodically sample the stack outlet ammonia emissions at the outlet according to the following specifications:

The operator shall sample once every quarter.

The operator shall analyze once every quarter.

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

[Devices subject to this condition : D1]



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

D371.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment on an annual basis whenever this equipment is fired on fuel oil for training/testing purposes; and after every 400 cumulative hours of operation on diesel fuel or after every two million gallons of diesel fuel combusted, to be counted cumulatively over a five year period. The 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:

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 working days (or during the next fuel oil firing period if the unit ceases firing on fuel oil within the three working day time frame) and report any deviations to AQMD.

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

- a). Stack or emission point identification;
- b). Description of any corrective actions taken to abate visible emissions;
- c). Date and time visible emission was abated; and
- d). Visible emission observation record by a certified smoke reader.

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

[Devices subject to this condition : D1]

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

E17.1 The operator shall not use more than 1 of the following items simultaneously:



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

Device ID: D1 [TURBINE]

Device ID: D6 [BOILER, NO. 1]

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

[Devices subject to this condition : D1, D6]

E17.2 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D1 [TURBINE]

Device ID: D7 [BOILER, NO. 2]

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

[Devices subject to this condition : D1, D7]

E17.3 The operator shall not use more than 1 of the following items simultaneously:

Device ID: D1 [TURBINE]

Device ID: D5 [INTERNAL COMBUSTION ENGINE]

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

[Devices subject to this condition : D1, D5]



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

- E71.2 The operator shall not use this equipment when the cogeneration equipment is operating except as follows: 1) During the scheduled shutdown or startup of the cogeneration system for a period of time not to exceed 60 minutes. A written notice of the scheduled shutdown must be provided to the District 7 days prior to the shutdown of the cogeneration system. 2) For testing purposes not to exceed 12 hours in any calendar year.

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

[Devices subject to this condition : D6, D7]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use the water or steam injection system if all of the following requirement(s) are met:

The gas turbine generator electrical output is less than 10 MW.

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

[Devices subject to this condition : D1]

- E73.2 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use ammonia injection if any of the following requirement(s) are met:

when the flue gas temperature at the SCR inlet is less than 625 Deg F during start up of the gas turbine

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

[Devices subject to this condition : C3]

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



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

1. In the event of a shutdown of the cogeneration system and utility electricity is not available, boilers D6 and D7 may operate up to 24 hours in any one day but not simultaneously with the cogeneration system, except as provided in condition E71.2.

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

[Devices subject to this condition : D6, D7]

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

1. This equipment shall only operate if the utility electricity is not available.
2. This equipment shall not operate simultaneously with the turbine, except during the shutdown period of the turbine.
3. This equipment shall only be operated for the primary purpose of providing electric power or mechanical work during an emergency use and is not the source of the primary power at the facility.
4. This equipment shall only be operated to provide electric power or mechanical work during an emergency use.
5. This equipment shall only be operated under limited circumstances for maintenance and testing, emissions testing, or initial start-up testing, not to exceed 12 hours in any one year.
6. This equipment shall only be operated under limited circumstances under a Demand Response Program (DRP).
7. An engine operating log shall be kept in writing, listing the date of operation, the elapsed time in hours, and the reason for operating. The log shall be maintained for a minimum of 5 years and made available to AQMD personnel upon request.



**FACILITY PERMIT TO OPERATE  
OLS ENERGY-CHINO**

**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; RULE 1470, 11-3-2005]

[Devices subject to this condition : D5]

**H. Applicable Rules**

H23.1 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 : E18]

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

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1418

[RULE 1418, 9-10-1999]

[Devices subject to this condition : E23]

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:



**FACILITY PERMIT TO OPERATE  
OLS ENERGY-CHINO**

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

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

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E24]

H23.4 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; RULE 1122, 10-1-2004]

[Devices subject to this condition : E20]

**K. Record Keeping/Reporting**

K40.1 The operator shall provide to the District a source test report in accordance with the following specifications:



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

Source test results shall be submitted to the District no later than 30 days after the source test was conducted.

Emission data shall be expressed in terms of concentration (ppmv), corrected to 15 percent oxygen, dry basis.

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

All moisture concentration shall be expressed in terms of percent corrected to 15 percent oxygen.

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

[Devices subject to this condition : D1]

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- 1

Condition Number E 17- 1

Condition Number E 17- 2

Condition Number E 71- 2

Condition Number E 193- 1

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

[Devices subject to this condition : D6, D7]



## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

- K48.2 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

Condition Number E 17- 3

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 202, 5-7-1976]

[Devices subject to this condition : D5]

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

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

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

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

[Devices subject to this condition : E21]

- 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 OLS ENERGY-CHINO

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

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

Daily ammonia usage.

Catalyst efficiency.

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

[Devices subject to this condition : C3]

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

Water injection rate.

Ammonia usage.

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

[Devices subject to this condition : D1]

K171.1 The operator shall provide to the District the following items:

notification within 24 hours after fuel oil is burned. The notification shall state the reason why fuel oil was burned and the expected duration of fuel oil burning

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

[Devices subject to this condition : D1]

K180.1 The operator shall notify the District a minimum of 7 days prior to the ammonia test. This notification shall include, but is not limited to, the following:

the scheduled date for ammonia test



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## FACILITY PERMIT TO OPERATE OLS ENERGY-CHINO

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

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

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

[Devices subject to this condition : D1]