



South Coast Air Quality Management District

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

March 22, 2012

Mr. Gerardo Rios
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

SUBJECT: Transmittal of Proposed Title V Renewal Permit

Dear Mr. Rios:

Enclosed are the proposed Title V renewal permit, permit summary, and statement of basis for **SCE, CENTER SUBSTATION** located at 10601 E Firestone Blvd, Norwalk, CA 90650. With your receipt of this proposed Title V permit, we will note that the EPA 45-day review period begins on March 22, 2012.

Questions on the proposed permit should be directed to Mr. Chris Perri, Air Quality Engineer, at (909) 396-2696 or cperri@aqmd.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian L. Yeh".

Brian L. Yeh, P.E.
Senior Engineering Manager
Mechanical, Chemical & Public Services

BLY:AYL:JTY:CGP

Enclosures:

Facility Permit (Proposed Renewal)
Public Notice
Statement of Basis
Facility Permit Application

FACILITY PERMIT TO OPERATE

**SO CAL EDISON CO
10601 E FIRESTONE BLVD
NORWALK, CA 90650**

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 SO CAL EDISON CO

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FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: SO CAL EDISON CO

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 10601 E FIRESTONE BLVD
NORWALK, CA 90650-7411

MAILING ADDRESS: 2244 WALNUT GROVE AVE
ROSEMEAD, CA 91770

RESPONSIBLE OFFICIAL: RUSS KREIGER

TITLE: VICE PRESIDENT

TELEPHONE NUMBER: (909) 394-8667

CONTACT PERSON: ALLEN LAVEN

TITLE: PLANT MANAGER

TELEPHONE NUMBER: (714) 895-0780

INITIAL TITLE V PERMIT ISSUED: April 03, 2007

TITLE V PERMIT EXPIRATION DATE: April 02, 2012

| TITLE V | RECLAIM |
|---------|-----------------------------------------------------------------------------|
| YES | NOx: NO SOx: NO CYCLE: 0 ZONE: COASTAL |

**FACILITY PERMIT TO OPERATE
SO CAL EDISON CO**

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
SO CAL EDISON CO**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

| Equipment | ID No. | Connected To | RECLAIM Source Type/ Monitoring Unit | Emissions* And Requirements | Conditions |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| Process 1: POWER GENERATION | | | | | |
| System 4: EMERGENCY IC ENGINE | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, MODEL 3306 ATAAC, DIESEL FUEL, CATERPILLAR, SERIAL NO. 9NR03099, WITH AFTERCOOLER, TURBOCHARGER, 377 BHP WITH A/N: 393143 GENERATOR, 250 KW | D10 | | | CO: 8.5 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 6.9 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; PM10: 0.38 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; VOC: 1 GRAM/BHP-HR (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] | C1.6, E193.4, K67.5 |
| System 5: RULE 219 EXEMPT EQUIPMENT SUBJECT TO SOURCE SPECIFIC RULES | | | | | |
| RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS | E16 | | | VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 6-9-2006; RULE 1171, 11-7-2003; RULE 1171, 7-14-2006] | K67.4 |
| RULE 219 EXEMPT EQUIPMENT, EXEMPT HAND WIPING OPERATIONS | E17 | | | VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 7-14-2006] | |
| RULE 219 EXEMPT EQUIPMENT, REFRIGERATION UNITS | E18 | | | | H23.3 |

- * (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
SO CAL EDISON CO**

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
SO CAL EDISON CO
SECTION D: DEVICE ID INDEX**

| Device Index For Section D | | | |
|-----------------------------------|---------------------------|----------------|---------------|
| Device ID | Section D Page No. | Process | System |
| D10 | 1 | 1 | 4 |
| E16 | 1 | 1 | 5 |
| E17 | 1 | 1 | 5 |
| E18 | 1 | 1 | 5 |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

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 15 ppm by weight as supplied by the supplier.

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

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]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

DEVICE CONDITIONS

C. Throughput or Operating Parameter Limits

C1.6 The operator shall limit the operating time to no more than 199 hour(s) in any one year.

The 199 hours per year limit may include up to 20 hours per year operating time to maintain engine readiness.

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 engine.

[RULE 1110.2, 6-3-2005; **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 : D10]

E. Equipment Operation/Construction Requirements

E193.4 The operator shall operate and maintain this equipment according to the following specifications:

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The operation of this equipment beyond 20 hours per year for testing and maintenance and performance testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the utility distribution company has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage.

Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1470, 11-3-2005]

[Devices subject to this condition : D10]

H. Applicable Rules

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

| Contaminant | Rule | Rule/Subpart |
|--------------|---------------|--------------|
| Refrigerants | District Rule | 1415 |

[RULE 1415, 10-14-1994]

[Devices subject to this condition : E18]

K. Record Keeping/Reporting

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

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

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 : E16]

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

The date of operation

Indication of whether the engine is started manually or automatically

Time reading in hours at the beginning and end of operation

The elapsed time in hours

The reason for operation

The annual total hours of operation (include hours for manual and automatic operation) which shall be recorded no later than January 15th of the following year

The records shall be kept for a minimum of five calendar years prior to the current year and made available to District personnel upon request.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**
RULE 1470, 11-3-2005]

[Devices subject to this condition : D10]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

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 SO CAL EDISON CO

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 five years. [204]
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]
 - 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 non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - d. 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 compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - e. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION E: ADMINISTRATIVE CONDITIONS

- f. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. 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.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, throughput, 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 and 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 (conflict of interest).
9. 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.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION E: ADMINISTRATIVE CONDITIONS

- b. Brief description of the equipment tested.
 - c. Operating conditions under which the test was 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 and 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.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
10. 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]
11. 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
SO CAL EDISON CO**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
SO CAL EDISON CO**

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

NOT APPLICABLE

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| Equipment | ID No. | Connected To | RECLAIM Source Type/ Monitoring Unit | Emissions* And Requirements | Conditions |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Process 1: POWER GENERATION | | | | | |
| CO OXIDATION CATALYST, BASF, TOTAL CATALYST VOLUME 80 CUBIC FEET A/N: 462011 Permit to Construct Issued: 04/03/07 | C3 | D1 C4 | | | E193.1 |
| SELECTIVE CATALYTIC REDUCTION, CORMETECH CMHT-21, WITH 547 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 18 FT ; HEIGHT: 25 FT 9 IN; LENGTH: 2 FT 6 IN WITH A/N: 462011 Permit to Construct Issued: 04/03/07 AMMONIA INJECTION | C4 | C3 S6 | | NH3: 5 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] | A195.5, D12.2, D12.4, D12.6, E179.1, E179.2, E193.1 |
| STACK, HEIGHT: 80 FT ; DIAMETER: 13 FT A/N: 499011 Permit to Construct Issued: 01/06/10 | S6 | C4 | | | |
| System 2: EMERGENCY IC ENGINE | | | | | |
| INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, NATURAL GAS, WAUKESHA, MODEL VGF36 GL/GLD, WITH TURBOCHARGER, 924 BHP WITH A/N: 479363 Permit to Construct Issued: 12/10/08 GENERATOR, 645 KW | D7 | | | CO: 224 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]; NOX: 107 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]; VOC: 111 PPMV (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002] | A63.2, A63.3, A63.5, C1.4, D12.5, D29.4, E162.1, E193.1, E193.3, K67.2 |
| System 3: INORGANIC CHEMICAL STORAGE | | | | | |

- | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>* (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</p> | <p>(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</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| Equipment | ID No. | Connected To | RECLAIM Source Type/ Monitoring Unit | Emissions* And Requirements | Conditions |
|------------------------------------------------------------------------------------------------------------------|--------|--------------|-----------------------------------------|--------------------------------|------------------------------|
| Process 1: POWER GENERATION | | | | | |
| STORAGE TANK, 19% AQUEOUS AMMONIA, HORIZONTAL, 10500 GALS A/N: 462006 Permit to Construct Issued: 04/03/07 | D9 | | | | C157.1, E144.1, E193.1 |

- * (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
SO CAL EDISON CO**

SECTION H: 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
SO CAL EDISON CO**

SECTION H: DEVICE ID INDEX

| Device Index For Section H | | | |
|-----------------------------------|---------------------------|----------------|---------------|
| Device ID | Section H Page No. | Process | System |
| D1 | 1 | 1 | 1 |
| C3 | 2 | 1 | 1 |
| C4 | 2 | 1 | 1 |
| S6 | 2 | 1 | 1 |
| D7 | 2 | 1 | 2 |
| D9 | 3 | 1 | 3 |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 15 ppm by weight as supplied by the supplier.

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

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

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

A. Emission Limits

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

| CONTAMINANT | EMISSIONS LIMIT |
|-------------|-------------------------------------|
| NOX | Less than 1456 LBS IN ANY ONE MONTH |
| PM10 | Less than 1360 LBS IN ANY ONE MONTH |
| CO | Less than 1879 LBS IN ANY ONE MONTH |
| SOX | Less than 80 LBS IN ANY ONE MONTH |
| VOC | Less than 361 LBS IN ANY ONE MONTH |

The operator shall calculate the emission limit(s) by using fuel use data and the following emission factors: VOC: 2.94 lbs/mmcf, PM10: 10.77 lbs/mmcf, and SOx: 0.63 lbs/mmcf.

Compliance with the NOx and CO emission limits shall be verified through CEMS data. If CO CEMS data is not available, CO emissions shall be calculated using fuel usage and a factor of 14.12 lbs/mmcf during normal operations, 8.82 lbs/hr during any start up hour, and 7.95 lbs/hr during any shutdown hour. The operator shall use the appropriate missing data procedures if NOx data is not available.

If a CEMS calibration occurs within 60 minutes of a start up, NOx emissions for the calibration period shall be calculated using the actual duration of the calibration in minutes times a factor of 0.0775 lb/min, and shall only occur when NOx emissions are at or below BACT levels.

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

[Devices subject to this condition : D1]

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

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| CONTAMINANT | EMISSIONS LIMIT |
|-------------|------------------------------------|
| NOX | Less than 7324 LBS IN ANY ONE YEAR |
| PM10 | Less than 5847 LBS IN ANY ONE YEAR |
| CO | Less than 9593 LBS IN ANY ONE YEAR |
| SOX | Less than 349 LBS IN ANY ONE YEAR |
| VOC | Less than 1805 LBS IN ANY ONE YEAR |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The operator shall calculate the emission limit(s) by using fuel use data and the following emission factors for the turbine: During commissioning with no control- NOx: 255.21 lbs/mmcf; CO: 119.18 lbs/mmcf, VOC: 11.25 lbs/mmcf; PM10: 10.77 lbs/mmcf, and SOx: 0.64 lb/mmcf . During commissioning with water injection- NOx: 104.60 lbs/mmcf, all other factors remain the same. During normal operation- VOC: 3.09 lbs/mmcf, PM10: 10.77 lbs/mmcf, and SOx: 0.64 lbs/mmcf.

The operator shall calculate the annual emission limit(s) by using hourly operation data and the following emission factors for the engine: NOx: 2.55 lbs/hr, CO: 3.24 lbs/hr, VOC: 0.92 lbs/hr, PM10: 0.25 lbs/hr, SOx: 0.0038 lbs/hr.

Compliance with the NOx and CO emission limits shall be verified through CEMS data. If CO CEMS data is not available, CO emissions shall be calculated using fuel usage and a factor of 14.12 lbs/mmcf during normal operations, 8.82 lbs/hr during any start up hour, and 7.95 lbs/hr during any shutdown hour. The operator shall use the appropriate missing data procedures if NOx data is not available.

If a CEMS calibration occurs within 60 minutes of a start up, NOx emissions for the calibration period shall be calculated using the actual duration of the calibration in minutes times a factor of 0.0775 lb/min, and shall only occur when NOx emissions are at or below BACT levels.

For the purposes of this condition, the yearly emission limit shall be defined as The limits apply to the total emissions from the turbine plus the engine. THIS CONDITION APPLIES DURING THE 1ST 12 MONTHS OF OPERATION ONLY..

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

[Devices subject to this condition : D1, D7]

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

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| CONTAMINANT | EMISSIONS LIMIT |
|-------------|------------------------------------|
| NOX | Less than 7045 LBS IN ANY ONE YEAR |
| PM10 | Less than 5869 LBS IN ANY ONE YEAR |
| CO | Less than 8599 LBS IN ANY ONE YEAR |
| SOX | Less than 342 LBS IN ANY ONE YEAR |
| VOC | Less than 1682 LBS IN ANY ONE YEAR |

The operator shall calculate the emission limit(s) by using fuel use data and the following emission factors for the turbine: VOC: 2.94 lbs/mmcf, PM10: 10.77 lbs/mmcf, and SOx: 0.63 lbs/mmcf.

The operator shall calculate the emission limit(s) The operator shall calculate the annual emission limit(s) by using hourly operation data and the following emission factors for the engine: NOx: 2.55 lbs/hr, CO: 3.24 lbs/hr, VOC: 0.92 lbs/hr, PM10: 0.25 lbs/hr, SOx: 0.0038 lbs/hr.

Compliance with the NOx and CO emission limits shall be verified through CEMS data. If CO CEMS data is not available, CO emissions shall be calculated using fuel usage and a factor of 14.12 lbs/mmcf during normal operations, 8.82 lbs/hr during any start up hour, and 7.95 lbs/hr during any shutdown hour. The operator shall use the appropriate missing data procedures if NOx data is not available.

If a CEMS calibration occurs within 60 minutes of a start up, NOx emissions for the calibration period shall be calculated using the actual duration of the calibration in minutes times a factor of 0.0775 lb/min, and shall only occur when NOx emissions are at or below BACT levels.

For the purposes of this condition, the yearly emission limit shall be defined as a period of twelve (12) consecutive months determined on a rolling basis with a new 12 month period beginning on the first day of each calendar month. The limits apply to the total emissions from the turbine plus the engine. THIS CONDITION APPLIES AFTER THE 1st 12 MONTHS OF OPERATION.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : D1, D7]

A63.4 The operator shall limit emissions from this equipment as follows:

| CONTAMINANT | EMISSIONS LIMIT |
|-------------|-------------------------------------|
| NOX | Less than 2797 LBS IN ANY ONE MONTH |
| PM10 | Less than 1360 LBS IN ANY ONE MONTH |
| CO | Less than 3134 LBS IN ANY ONE MONTH |
| SOX | Less than 81 LBS IN ANY ONE MONTH |
| VOC | Less than 497 LBS IN ANY ONE MONTH |

The operator shall calculate the emission limit(s) by using fuel use data and the following emission factors: During commissioning with no control- NOx: 255.21 lbs/mmcf; CO: 119.18 lbs/mmcf, VOC: 11.25 lbs/mmcf; PM10: 10.77 lbs/mmcf, and SOx: 0.64 lb/mmcf . During commissioning with water injection- NOx: 104.60 lbs/mmcf, all other factors remain the same. During normal operation- VOC: 3.09 lbs/mmcf, PM10: 10.77 lbs/mmcf, and SOx: 0.64 lbs/mmcf. THIS CONDITION APPLIES DURING THE 1ST 12 MONTHS OF OPERATION ONLY.

Compliance with the NOx and CO emission limits shall be verified through CEMS data. If NOx and CO CEMS data is not available, NOx and CO emissions shall be calculated using fuel usage and the following factors- NOx: 10.46 lb/mmcf and CO: 15.21 lbs/mmcf during normal operations, and NOx: 7.82 lbs/start, 6.61 lbs/shutdown, CO: 8.82 lbs/start, 7.95 lbs/shutdown.

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

[Devices subject to this condition : D1]

A63.5 The operator shall limit emissions from this equipment as follows:

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| CONTAMINANT | EMISSIONS LIMIT |
|-------------|---------------------------------|
| NOX | Less than 55 LBS IN ANY ONE DAY |

The purpose of this condition is to ensure that the facility emissions are below the CEQA thresholds, and the limit is based on the total emissions from the turbine and the black start generator.

The 55 lbs/day limit shall not apply when the unit undergoes CAL-ISO required black start testing, which shall not occur more than once per 12 month period. During CAL-ISO required black start testing the daily total NOx from all operations shall not exceed 89 lbs/day

[RULE 212, 12-7-1995; RULE 212, 11-14-1997; CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D1, D7]

- A99.1 The 2.5 PPM NOX emission limit(s) shall not apply during commissioning, start-up, shutdown, an emergency electrical grid system blackout when the turbine is used to start another major generating station, and during cal-iso required testing. commissioning shall not exceed 25 hrs total, with no more than 5 hrs uncontrolled and no more than 20 hrs with water injection. each start-up shall not exceed 15 min. each shutdown shall not exceed 10 min. there shall be no more than 60 start ups/yr in the 1st year of operation, and 200 start-ups/ yr thereafter.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

NOx emissions for the hour which includes a start shall not exceed 10.52 lbs, and for the hour which includes a shutdown 6.61 lbs

In the case of a start during an emergency electrical grid system blackout, total NOx shall not exceed 28.23 lbs/hr.

In case of a turbine shutdown which occurs less than 75 minutes from a start up, the emissions calculated for the shutdown shall not include any of the first 15 minutes of the start up, and the emissions calculated for the start up shall not include any of the last 10 minutes of the shutdown.

A shutdown is defined as a reduction in turbine load ending in a period of zero fuel flow. The hour which includes a shutdown is defined as the 60 minutes counted back from the period of zero fuel flow.

During CAL-ISO required testing, NOx emissions shall not exceed 40 lbs/hr, including the start up and shutdown hours. In any 12 month period, there shall be no more than 1 completed successful test, and no more than 2 hours of total test time (including any aborted test time)

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

[Devices subject to this condition : D1]

- A99.2 The 6.0 PPM CO emission limit(s) shall not apply during commissioning, start-up, shutdown, an emergency electrical grid system blackout when the turbine is used to start another major generating station, and during cal-iso required testing. commissioning shall not exceed 25 hrs total, with no more than 5 hrs uncontrolled and no more than 20 hrs with water injection. each start-up shall not exceed 15 min. each shutdown shall not exceed 10 min. there shall be no more than 60 start ups/yr in the 1st year of operation, and 200 start-ups/ yr thereafter.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

In the case of a start during an emergency electrical grid system blackout, total NOx shall not exceed 28.23 lbs/hr.

In case of a turbine shutdown which occurs less than 75 minutes from a start up, the emissions calculated for the shutdown shall not include any of the first 15 minutes of the start up, and the emissions calculated for the start up shall not include any of the last 10 minutes of the shutdown.

A shutdown is defined as a reduction in turbine load ending in a period of zero fuel flow. The hour which includes a shutdown is defined as the 60 minutes counted back from the period of zero fuel flow.

During CAL-ISO required testing, CO emissions shall not exceed 5 lbs/hr, including the start up and shutdown hours. In any 12 month period, there shall be no more than 1 completed successful test, and no more than 2 hours of total test time (including any aborted test time)

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

[Devices subject to this condition : D1]

A195.1 The 2.5 PPMV NOX emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.

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

[Devices subject to this condition : D1]

A195.2 The 6.0 PPMV CO emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

[Devices subject to this condition : D1]

A195.3 The 2.0 PPMV VOC emission limit(s) is averaged over 60 minutes at 15 percent O₂, dry.

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

[Devices subject to this condition : D1]

A195.5 The 5 PPMV NH₃ emission limit(s) is averaged over 60 minutes at 15% O₂, dry basis. The operator shall calculate and continuously record the NH₃ slip concentration using the following:

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

$$\text{NH}_3 \text{ (ppmv)} = [a-b*c/1E+06]*1E+06/b.$$

where,

1. a = NH₃ injection rate (lbs/hr)/17(lb/lb-mol)
2. b = dry exhaust gas flow rate (scf/hr)/385.3 scf/lb-mol)
3. c = change in measured NO_x across the SCR (ppmvd at 15% O₂)

The operator shall install and maintain a NO_x analyzer to measure the SCR inlet NO_x ppmv accurate to plus or minus 5 percent calibrated at least once every twelve months. The NO_x analyzer shall be installed and operated within 90 days of initial start-up..

The operator shall use the above described method or another alternative method approved by the Executive Officer..

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information without corroborative data using an approved reference method for the determination of ammonia..

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

[Devices subject to this condition : C4]

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 : D1]

C. Throughput or Operating Parameter Limits

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

C1.1 The operator shall limit the fuel usage to no more than 4.21 MM 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 : D1]

C1.2 The operator shall limit the fuel usage to no more than 543 MM cubic feet per year.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available upon AQMD request.

For the purpose of this condition, the yearly fuel use limit shall apply only during the 1st 12 months of operation.

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

[Devices subject to this condition : D1]

C1.3 The operator shall limit the fuel usage to no more than 543 MM cubic feet per year.

The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition and the records shall be made available upon AQMD request.

For the purpose of this condition, the yearly fuel use limit shall apply after the 1st 12 months of operation. The yearly emission limit shall be defined as a period of twelve (12) consecutive months determined on a rolling basis with a new 12 month period beginning on the first day of each calendar month.

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

[Devices subject to this condition : D1]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

C1.4 The operator shall limit the operating time to no more than 90 hour(s) in any one year.

The 90 hours per year limit may include up to 64 hours per year operating time to maintain engine readiness or testing.

[RULE 1110.2, 6-3-2005; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**
RULE 1401, 3-4-2005]

[Devices subject to this condition : D7]

C157.1 The operator shall install and maintain a pressure relief valve set at 50 psig.

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

[Devices subject to this condition : D9]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) flow meter to accurately indicate the fuel usage being supplied to the turbine.

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

[Devices subject to this condition : D1]

D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the the total hourly throughput of injected ammonia.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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 : C4]

- D12.4 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the the SCR catalyst bed in inches of water column.

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 : C4]

- D12.5 The operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

**[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;
RULE 1401, 3-4-2005]**

[Devices subject to this condition : D7]

- D12.6 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the exhaust at the inlet to the SCR reactor.

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.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : C4]

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

| Pollutant(s) to be tested | Required Test Method(s) | Averaging Time | Test Location |
|---------------------------|---------------------------------------------|----------------------------------|-------------------|
| NOX emissions | District method 100.1 | 1 hour | Outlet of the SCR |
| CO emissions | District method 100.1 | 1 hour | Outlet of the SCR |
| SOX emissions | Approved District method | District-approved averaging time | Fuel Sample |
| VOC emissions | Approved District method | 1 hour | Outlet of the SCR |
| PM10 emissions | Approved District method | District-approved averaging time | Outlet of the SCR |
| NH3 emissions | District method 207.1 and 5.3 or EPA method | 1 hour | Outlet of the SCR |

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (CFH), the flue gas flow rate, and the turbine generating output in MW.

The test shall be conducted in accordance with AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when this equipment is operating at loads of 100, 75, and 50 percent.

For natural gas fired turbines only, VOC compliance shall be demonstrated as follows: a) Stack gas samples are extracted into Summa canisters maintaining a final canister pressure between 400-500 mm Hg absolute, b) Pressurization of canisters are done with zero gas analyzed/certified to contain less than 0.05 ppmv total hydrocarbon as carbon, and c) Analysis of canisters are per EPA Method TO-12 (with pre concentration) and temperature of canisters when extracting samples for analysis is not below 70 deg F

The use of this alternative method for VOC compliance determination does not mean that it is more accurate than AQMD Method 25.3, nor does it mean that it may be used in lieu of AQMD Method 25.3 without prior approval except for the determination of compliance with the VOC BACT level of 2.0 ppmv calculated as carbon for natural gas fired turbines.

Because the VOC BACT level was set using data derived from various source test results, this alternate VOC compliance method provides a fair comparison and represents the best sampling and analysis technique for this purpose at this time.

**FACILITY PERMIT TO OPERATE
 SO CAL EDISON CO**

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

The test results shall be reported with two significant digits.

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

[Devices subject to this condition : D1]

D29.2 The operator shall conduct source test(s) for the pollutant(s) identified below.

| Pollutant(s) to be tested | Required Test Method(s) | Averaging Time | Test Location |
|---------------------------|------------------------------------------------|----------------|-------------------|
| NH3 emissions | District method 207.1 and 5.3 or EPA method 17 | 1 hour | Outlet of the SCR |

The test shall be conducted and the results submitted to the District within 45 days after the test date. The AQMD shall be notified of the date and time of the test at least 7 days prior to the test.

The test shall be conducted at least quarterly during the first twelve months of operation and at least annually thereafter. The NOx concentration, as determined by the CEMS, shall be simultaneously recorded during the ammonia slip test. If the CEMS is inoperable, a test shall be conducted to determine the NOx emissions using District Method 100.1 measured over a 60 minute averaging time period.

The test shall be conducted to demonstrate compliance with the Rule 1303 concentration limit.

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

[Devices subject to this condition : D1]

D29.3 The operator shall conduct source test(s) for the pollutant(s) identified below.

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

| Pollutant(s) to be tested | Required Test Method(s) | Averaging Time | Test Location |
|---------------------------|--------------------------|----------------------------------|-------------------|
| SOX emissions | Approved District method | District-approved averaging time | Fuel Sample |
| VOC emissions | Approved District method | 1 hour | Outlet of the SCR |
| PM10 emissions | Approved District method | District-approved averaging time | Outlet of the SCR |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

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

The test shall be conducted in accordance with AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when this equipment is operating at 100 percent load.

The test shall be conducted for compliance verification of the BACT VOC 2.0 ppmv limit.

For natural gas fired turbines only, VOC compliance shall be demonstrated as follows: a) Stack gas samples are extracted into Summa canisters maintaining a final canister pressure between 400-500 mm Hg absolute, b) Pressurization of canisters are done with zero gas analyzed/certified to contain less than 0.05 ppmv total hydrocarbon as carbon, and c) Analysis of canisters are per EPA Method TO-12 (with pre concentration) and temperature of canisters when extracting samples for analysis is not below 70 deg F.

The use of this alternative method for VOC compliance determination does not mean that it is more accurate than AQMD Method 25.3, nor does it mean that it may be used in lieu of AQMD Method 25.3 without prior approval except for the determination of compliance with the VOC BACT level of 2.0 ppmv calculated as carbon for natural gas fired turbines.

Because the VOC BACT level was set using data derived from various source test results, this alternate VOC compliance method provides a fair comparison and represents the best sampling and analysis technique for this purpose at this time. The test results shall be reported with two significant digits.

[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]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[Devices subject to this condition : D1]

D29.4 The operator shall conduct source test(s) for the pollutant(s) identified below.

| Pollutant(s) to be tested | Required Test Method(s) | Averaging Time | Test Location |
|---------------------------|--------------------------|----------------|---------------|
| NOX emissions | District method 100.1 | 1 hour | Outlet |
| CO emissions | District method 100.1 | 1 hour | Outlet |
| VOC emissions | Approved District method | 1 hour | Outlet |

The test shall be conducted after AQMD approval of the source test protocol, but no later than 180 days after initial start-up. The AQMD shall be notified of the date and time of the test at least 10 days prior to the test.

The test shall be conducted to determine the oxygen levels in the exhaust. In addition, the tests shall measure the fuel flow rate (CFH), the flue gas flow rate, and the engine output in hp.

The test shall be conducted in accordance with AQMD approved test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the proposed test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the turbine during the tests, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of Rule 304, and a description of all sampling and analytical procedures.

The test shall be conducted when this equipment is operating at a load of 100 percent.

The test shall be conducted The test shall be conducted for compliance verification of the NOx, CO, and VOC BACT limit.

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

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

[Devices subject to this condition : D7]

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

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

NOx and CO concentration in ppmv.

Concentrations shall be corrected to 15 percent oxygen on a dry basis. The CEMS shall be installed and operating no later than 90 days after initial startup of the turbine, in accordance with an approved AQMD Rule 218 CEMS plan application. The operator shall not install the CEMS prior to receiving initial approval from AQMD.

The CEMS will convert the actual NOx and CO concentrations to mass emission rates (lbs/hr) and record the hourly emission rates on a continuous basis.

The CEMS shall be installed and operated to measure the NOx and CO concentration over a 15 minute, or more frequent, averaging time period.

The CEMS shall convert the actual CO concentrations to mass emission rates (lbs/hr) using the equation below and record the hourly emission rates on a continuous basis.

CO Emission Rate, lbs/hr = $K * C_{co} * F_d [20.9 / (20.9\% - \%O_2 d)] [(Q_g * HHV) / 10E6]$,
where

1. $K = 7.267 * 10^{-8}$ (lbs/scf)/ppm
2. C_{co} = Average of 4 consecutive 15 min. average CO concentrations, ppm
3. $F_d = 8710$ dscf/MMBTU natural gas
4. $\%O_2, d$ = Hourly average % by volume O2 dry, corresponding to C_{co}
5. Q_g = Fuel gas usage during the hour, scf/hr
6. HHV = Gross high heating value of the fuel gas, BTU/scf

When the measured O2 concentration is > 19 percent, a default of 19 percent O2 shall be used in the calculation of NOx and CO mass emissions

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 218, 8-7-1981; RULE 218, 5-14-1999]

[Devices subject to this condition : D1]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to the SCR and oxidation catalyst whenever the turbine is in operation.

Ammonia injection shall commence once the exhaust temperature into the SCR catalyst has reached 540 degrees F

[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]

E144.1 The operator shall vent this equipment, during filling, only to the vessel from which it is being filled.

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

[Devices subject to this condition : D9]

E162.1 The operator shall use this equipment only during utility failure periods, except for maintenance purposes.

[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996; RULE 1401, 3-4-2005]

[Devices subject to this condition : D7]

E179.1 For the purpose of the following condition number(s), continuously record shall be defined as recording at least once every hour and shall be calculated upon the average of the continuous monitoring for that hour.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Condition Number D 12- 2

Condition Number D 12- 6

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

[Devices subject to this condition : C4]

E179.2 For the purpose of the following condition number(s), continuous monitoring shall be defined as measuring at least once every month and shall be calculated based upon the average of the continuous monitoring for that month.

Condition Number D 12- 4

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

[Devices subject to this condition : C4]

E193.1 The operator shall upon completion of construction, operate and maintain this equipment according to the following specifications:

In accordance with all mitigation measures stipulated in the Negative Declaration prepared for this project (CEQA State Clearinghouse No. TBD).

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : D1, C3, C4, D7, D9]

E193.3 The operator shall operate and maintain this equipment according to the following specifications:

The TA Luft carburetor settings shall be maintained at all times

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

[Devices subject to this condition : D7]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

H. Applicable Rules

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

| Contaminant | Rule | Rule/Subpart |
|-------------|------------------|--------------|
| SOX | 40CFR60, SUBPART | KKKK |
| NOX | 40CFR60, SUBPART | KKKK |

[40CFR 60 Subpart KKKK, 7-6-2006]

[Devices subject to this condition : D1]

K. Record Keeping/Reporting

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

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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

Source test results shall be submitted to the District no later than 60 days after the source test was conducted.

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

Emission data shall be expressed in terms of mass rate (lbs/hr). In addition, solid PM emissions, if required to be tested, shall also be reported in terms of grains per DSCF.

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.

Source test results shall also include the oxygen levels in the exhaust, fuel flow rate (CFH), the flue gas temperature, and the generator power output (MW) under which the test was conducted.

[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]

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

Commissioning hours and type of control and fuel use

Date and time of each start-up and shutdown

Natural gas fuel use after the commissioning period and prior to CEMS certification

CEMS minute data during start up and shutdown

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

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 : D1]

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

Date of operation, the elapsed time, in hours, and the reason for operation.
Records shall be kept and maintained on file for a minimum of two years and made available to district personnel upon request

**[RULE 1110.2, 6-3-2005; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;
RULE 1401, 3-4-2005]**

[Devices subject to this condition : D7]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

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 SO CAL EDISON CO

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)]

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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 SO CAL EDISON CO

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)]

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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 SO CAL EDISON CO

SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency¹ 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]

¹ "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.

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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.

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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 SO CAL EDISON CO

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)]

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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.

| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|--------------------------------------------|-----------------------------|-------------------------------|
| RULE 1110.2 | 6-3-2005 | Non federally enforceable |
| RULE 1113 | 11-8-1996 | Federally enforceable |
| RULE 1113 | 6-9-2006 | Non federally enforceable |
| RULE 1171 | 11-7-2003 | Federally enforceable |
| RULE 1171 | 7-14-2006 | 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)(1)-Modeling | 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 1304(a)-Modeling and Offset Exemption | 6-14-1996 | Federally enforceable |
| RULE 1401 | 3-4-2005 | Non federally enforceable |
| RULE 1415 | 10-14-1994 | Non federally enforceable |
| RULE 1470 | 11-3-2005 | Non federally enforceable |
| RULE 212 | 11-14-1997 | Non federally enforceable |
| RULE 212 | 12-7-1995 | Federally enforceable |
| RULE 218 | 5-14-1999 | Federally enforceable |
| RULE 218 | 8-7-1981 | Federally enforceable |
| RULE 3002 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 3-16-2001 | Non federally enforceable |

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| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|------------------------------------------|-----------------------------|-------------------------------|
| 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 401 | 11-9-2001 | Non federally enforceable |
| RULE 401 | 3-2-1984 | 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 431.1 | 6-12-1998 | Federally enforceable |
| RULE 431.2 | 5-4-1990 | Federally enforceable |
| RULE 431.2 | 9-15-2000 | Non federally enforceable |
| RULE 475 | 10-8-1976 | Federally enforceable |
| RULE 475 | 8-7-1978 | Non federally enforceable |
| CA PRC CEQA | 11-23-1970 | Non federally enforceable |
| 40CFR 60 Subpart GG | 2-24-2006 | Federally enforceable |
| 40CFR 60 Subpart KKKK | 7-6-2006 | Federally enforceable |
| 40CFR 68 - Accidental Release Prevention | 5-24-1996 | Federally enforceable |
| 40CFR 72 - Acid Rain Provisions | 11-24-1997 | Federally enforceable |
| 40CFR 82 Subpart F | 5-14-1993 | Federally enforceable |

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

NONE

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

- (1) Except as provided in paragraphs (c)(2), (c)(3), and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, or solicit the application of, any architectural coating 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, or manufacture, blend, or repackage such a coating for use within the District.
- (2) Except as provided in paragraphs (c)(3) and (c)(4) of Rule 1113, the operator shall not supply, sell, offer for sale, apply, solicit the application of, 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.

TABLE OF STANDARDS

VOC LIMITS

Grams of VOC Per Liter of Coating, Less Water And Less Exempt Compounds

| COATING | Limit* | Effective Date of Adoption | Effective 1/1/1998 | Effective 1/1/1999 | Effective 7/1/2001 | Effective 1/1/2005 | Effective 7/1/2008 |
|------------------------------------|--------|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Bond Breakers | 350 | | | | | | |
| Clear Wood Finishes | | | | | | | |
| Varnish | 350 | | | | | | |
| Sanding Sealers | 350 | | | | | | |
| Lacquer | 680 | | 550 | | | 275 | |
| Concrete-Curing Compounds | 350 | | | | | | |
| Dry-Fog Coatings | 400 | | | | | | |
| Fire-proofing Exterior Coatings | 350 | 450 | | 350 | | | |
| Fire-Retardant Coatings | | | | | | | |
| Clear | 650 | | | | | | |
| Pigmented | 350 | | | | | | |
| Flats | 250 | | | | 100 | | 50 |
| Graphic Arts (Sign) Coatings | 500 | | | | | | |

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 11-08-1996]

| | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|--|
| Industrial Maintenance | | | | | | |
| Primers and Topcoats | | | | | | |
| Alkyds | 420 | | | | | |
| Catalyzed Epoxy | 420 | | | | | |
| Bituminous Coatings | 420 | | | | | |
| Materials | | | | | | |
| Inorganic Polymers | 420 | | | | | |
| Vinyl Chloride Polymers | 420 | | | | | |
| Chlorinated Rubber | 420 | | | | | |
| Acrylic Polymers | 420 | | | | | |
| Urethane Polymers | 420 | | | | | |
| Silicones | 420 | | | | | |
| Unique Vehicles | 420 | | | | | |
| Japans/Faux Finishing | 350 | 700 | | 350 | | |
| Coatings | | | | | | |
| Magnesite Cement Coatings | 600 | | | 450 | | |
| Mastic Coatings | 300 | | | | | |
| Metallic Pigmented Coatings | 500 | | | | | |
| Multi-Color Coatings | 420 | | 250 | | | |
| Pigmented Lacquer | 680 | | 550 | | 275 | |
| Pre-Treatment Wash Primers | 780 | | | | | |
| Primers, Sealers, and | 350 | | | | | |
| Undercoaters | | | | | | |
| Quick-Dry Enamels | 400 | | | | | |
| Roof Coatings | 300 | | | | | |
| Shellac | | | | | | |
| Clear | 730 | | | | | |
| Pigmented | 550 | | | | | |
| Stains | 350 | | | | | |
| Swimming Pool Coatings | | | | | | |
| Repair | 650 | | | | | |
| Other | 340 | | | | | |
| Traffic Coatings | 250 | | 150 | | | |
| Waterproofing Sealers | 400 | | | | | |
| 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

TABLE OF STANDARDS (cont.)

VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

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APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-09-2006]

- (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 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 SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-09-2006] 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 | 7/1/09 |
| 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 | | | | | | | |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-09-2006]

| 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 |
| Multi-Color Coatings | 420 | 250 | | | | | | |
| Nonflat Coatings | 250 | | 150 | | | 50 | | |
| 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 Concrete/Masonry Sealers | 400 | | | | | 100 | | |
| Wood Preservatives | | | | | | | | |
| Below-Ground | 350 | | | | | | | |
| Other | 350 | | | | | | | |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-09-2006]

- * 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.

TABLE OF STANDARDS (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

| COATING | Limit |
|--------------------|-------|
| Low-Solids Coating | 120 |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

(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:

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|--------------------------------------------------------------------------------------------------------------------|------------------------|
| | VOC g/l (lb/gal) |
| (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 | 500 (4.2) |
| (iii) Medical Devices & Pharmaceuticals | 800 (6.7) |
| (B) Repair and Maintenance Cleaning | |
| (i) General | 25 (0.21) |
| (ii) Electrical Apparatus Components & Electronic Components | 900 (7.5) |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 11-07-2003]

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|-------------------------------------------------------------|------------------------|
| | VOC g/l (lb/gal) |
| (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 | 550 (4.6) |
| (D) Cleaning of Ink Application Equipment | |
| (i) General | 25 (0.21) |
| (ii) Flexographic Printing | 25 (0.21) |
| (iii) Gravure Printing | |
| (A) Publication | 750 (6.3) |
| (B) Packaging | 25 (0.21) |
| (iv) Lithographic or Letter Press Printing | |

**FACILITY PERMIT TO OPERATE
 SO CAL EDISON CO**

**APPENDIX B: RULE EMISSION LIMITS
 [RULE 1171 11-07-2003]**

| SOLVENT CLEANING ACTIVITY | CURRENT LIMITS |
|-------------------------------------------------------------------------------------------|------------------------|
| | VOC g/l (lb/gal) |
| (A) Roller Wash – Step 1 | 600 (5.0) |
| (B) Roller Wash-Step 2, Blanket Wash, & On-Press Components | 800 (6.7) |
| (C) Removable Press Components | 25 (0.21) |
| (v) Screen Printing | 750 (6.3) |
| (vi) Ultraviolet Ink/ Electron Beam Ink Application Equipment (except screen printing) | 800 (6.7) |
| (vii) Specialty Flexographic Printing | 600 (5.0) |
| (E) Cleaning of Polyester Resin Application Equipment | 25 (0.21) |

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 07-14-2006]

(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:

| | CURRENT LIMITS* | EFFECTIVE 1/1/2008 |
|--------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| SOLVENT CLEANING ACTIVITY | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (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 SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 07-14-2006]

| SOLVENT CLEANING ACTIVITY (cont.) | CURRENT LIMITS* | EFFECTIVE 1/1/2008 |
|-------------------------------------------------------------|------------------------|------------------------|
| | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (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 ¹ | 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 SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 07-14-2006]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2008 |
|----------------------------------------------------------------------------------------------|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (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) | 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 SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

1. A Title V permit revision is not required for emission increases that are authorized by allowances acquired under the Acid Rain Program, provided that the increases do not trigger a Title V permit revision under any other applicable requirement. [70.6 (a)(4)(ii)]

Monitoring Requirements

2. The owners and operators and, to the extent applicable, the designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR Parts 74, 75, and 76. [40 CFR 72.50, 72.31, 72.9(b)(1)]
3. The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the acid rain emissions limitations and emissions reduction requirements for sulfur dioxide (SO₂) under the Acid Rain Program. [40 CFR 72.9(b)(2), 40 CFR 75.2]
4. The requirements of 40 CFR Parts 74 and 75 shall not affect the responsibility of the operator to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements and other provisions of this permit. [40 CFR 72.9(b)(3), 40 CFR 72.5]

Sulfur Dioxide Requirements

5. The owners and operators of each source and each affected unit at the source shall:
 - (A) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR Part 73, Section 73.34(C)) not less than the total annual emissions of SO₂ for the previous calendar year from the unit; and, [40 CFR 72.9(c)(i)],
 - (B) Comply with the applicable acid rain emissions limitations for SO₂. [40 CFR 72.9(c)(ii)]
6. Each ton of SO₂ emitted in excess of the acid rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 72.9(g)(7)]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

7. SO₂ allowances shall be held in, deducted from, or transferred among allowance tracking system accounts in accordance with the Acid Rain Program. [40 CFR 72.9(g)(4)]
8. A SO₂ allowance shall not be deducted in order to comply with the requirements under paragraph 41(A) of the SO₂ requirements prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(g)(5)]
9. An affected unit shall be subject to the SO₂ requirements under the Acid Rain Program as follows:[40 CFR 72.6(a)]
 - (A) Starting January 1, 2000, an affected unit under 40 CFR Part 72, Section 72.6(a)(2); or [40 CFR 72.6(a)(2)]
 - (B) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR Part 72, Section 72.6(a)(3). [40CFR 72.6(a)(3)]
10. An allowance allocated by the EPA administrator under the Acid Rain Program is a limited authorization to emit SO₂ in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the acid rain permit application, the acid rain permit, or the written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72.9 (c)(6)]
11. An allowance allocated by the EPA Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72.9(c)(7)]

Excess Emissions Requirements

12. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77. [40 CFR 72.9(e)]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

13. The owners and operators of an affected unit that has excess emissions in any calendar year shall: [40 CFR 72.9(e)(2)]
- (A) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and [40 CFR 72.9(e)(2)(i)]
- (B) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77. [40 CFR 72.9(e)(2)(ii)]

Recordkeeping and Reporting Requirements

14. Unless otherwise provided, the owners and operators of the source and each affected unit at the source that are subject to the acid rain provisions under Title IV shall keep on site at the source each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the EPA Administrator or the Executive Officer: [40 CFR 72.9(f)(1)]
- (A) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site at the source beyond such five year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative; [40 CFR 72.9(f)(1)(i)]
- (B) All emissions monitoring information, in accordance with 40 CFR Part 75; [40 CFR 72.9(f)(1)(ii)]
- (C) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and, [40 CFR 72.9(f)(1)(iii)]
- (D) Copies of all documents used to complete an acid rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)(1)(iv)]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

15. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72 Subpart I and 40 CFR Part 75. [40 CFR 72.9(f)(2)]

Liability

16. Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to Section 113(c) of the Act. [40 CFR 72.9 (g)(1)]
17. Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to Section 113(c) of the Act and 18 U.S.C. 1001. [40 CFR 72.9 (g)(2)]
18. No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect. [40 CFR 72.9 (g)(3)]
19. Each affected source and each affected unit shall meet the requirements of the Acid Rain Program. [40 CFR 72.9 (g)(4)]
20. Any provision of the Acid Rain Program that applies to an affected source (including a provision applicable to the designated representative of an affected source) shall also apply to the owners and operators of such source and of the affected units at the source. [40 CFR 72.9 (g)(5)]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

21. Any provision of the Acid Rain Program that applies to an affected unit (including a provision applicable to the designated representative of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR Part 72, Section 72.44 (Phase II repowering extension plans) and 40 CFR Part 76, Section 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR Part 75, Sections 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative. [40 CFR 72.9 (g)(6)]
22. Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act. [40 CFR 72.9 (g)(7)]

Effect on Other Authorities

23. No provision of the Acid Rain Program, an acid rain permit application, an acid rain permit, or a written exemption under 40 CFR Part 72, Sections 72.7, 72.8, or 72.14 shall be construed as: [40 CFR 72.9 (h)]

(A) Except as expressly provided in Title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an affected source or affected unit from compliance with any other provision of the Act, including the provisions of Title I of the Act relating to applicable National Ambient Air Quality Standards or state implementation plans; [40 CFR 72.9 (h)(1)]

(B) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act; [40 CFR 72.9 (h)(2)]

FACILITY PERMIT TO OPERATE SO CAL EDISON CO

APPENDIX B: RULE EMISSION LIMITS [40CFR 72 - Acid Rain Provisions 11-24-1997]

(C) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law; [40 CFR 72.9 (h)(3)]

(D) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or, [40 CFR 72.9 (h)(4)]

(E) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established. [40 CFR 72.9 (h)(5)]



South Coast Air Quality Management District

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

NOTICE OF PROPOSED RENEWAL TITLE V PERMIT

The South Coast Air Quality Management District (AQMD) is proposing to renew the existing Title V permit previously issued to the facility listed below:

Facility Locations and Contact Person

SOUTHERN CALIFORNIA EDISON, CENTER
10601 E Firestone Blvd.
Norwalk, CA 90650
Facility ID 17104

Contact Person:

Kishore Billapati
Environmental Specialist
7301 Fenwick Lane
Westminster, CA 92683

The facility operates 1 natural gas fired turbine along with auxiliary equipment in the production of electrical power.

Pursuant to Title V of the federal Clean Air Act and the AQMD Rule 3004(f), a Title V permit shall expire five years from the date of issuance unless such permit has been renewed. Accordingly, this facility has submitted a Title V renewal application and requested the AQMD to renew their Title V permits. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to this facility.

The proposed permit is available for public review at the AQMD, 21865 Copley Dr., Diamond Bar, CA, and at the Santa Fe Springs City Library, 11700 Telegraph Road, Santa Fe Springs, CA

90670. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call the AQMD's Title V hotline at (909) 396-3013. Written comments should be submitted to Mr. Chris Perri, Air Quality Engineer, 21865 Copley Drive, Diamond Bar, CA 91765-4178. Comments must be received by April 30, 2012. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request the AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Chris Perri at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the Internet at <http://www.aqmd.gov/titlev>. Requests for public hearings are due by April 13, 2012. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Title V Permit Summary

| | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------|-------|
| AQMD Facility ID: | 17104 | Company Name: | SCE, CENTER SUBSTATION | | |
| Equipment Location: | 10601 FIRESTONE BLVD, NORWALK, CA 90650 | | | SIC Code: 4911 | |
| Permit Revision #: | Revision Date: | Facility Permit Section(s) Affected: | | | |
| Application #(s): | 526861 | Application Submittal Date(s): | 08/31/11 | | |
| AQMD Contact Person: | CHRIS PERRI | Phone #: | (909) 396- 2696 | | |
| | | E-Mail Address: | cperri@aqmd.gov | | |
| Project Description: This is an existing facility applying for a renewal to their Title V permit. The facility produces electrical power for the State of California. This facility operates 1 natural gas fired turbine equipped with an SCR and oxidation catalyst. There is also 1 natural gas fired emergency generator engine, 1 diesel fired emergency generator, and an aqueous ammonia storage tank. The approximate total facility generating capacity is 49 MWs. | | | | | |
| Permit Type: <input type="checkbox"/> Initial Title V Permit <input type="checkbox"/> Significant Revision <input checked="" type="checkbox"/> Permit Renewal | | | | | |
| Permit Features: <input type="checkbox"/> Federally Enforceable Emission Cap For Exemption From Certain NESHAP Requirements <input type="checkbox"/> Permit Shield Applies <input type="checkbox"/> Permit Contains Conditions Allowing Emission Trading <input type="checkbox"/> Alternative Operating Scenario <input type="checkbox"/> Permit Streamlines Overlapping or Outdated Requirements <input type="checkbox"/> Other _____ <input type="checkbox"/> Source Out of Compliance With Applicable Requirements and/or Operating Under a Variance | | | | | |
| Toxic Air Contaminant Emissions (TAC) - Annual Reported Emissions for Reporting Year: 2010 | | <input type="checkbox"/> No TACs Reported <input checked="" type="checkbox"/> The Following TACs Were Reported: | | Emissions (lbs/yr): | |
| | | AMMONIA | | 592 | |
| | | BENZENE | | 0.923 | |
| | | FORMALDEHYDE | | 18 | |
| | | NAPHTHALENE | | 0.102 | |
| | | PAH | | 0.079 | |
| | | 1,3 BUTADIENE | | 0.168 | |
| Health Risk From Toxic Air Contaminants: <input type="checkbox"/> Health Risk Reduction Plan in Force (AQMD Rule 1402) (date): _____ <input type="checkbox"/> Health Risk Assessment Required for this Permit Action (AQMD Rule 1401) <input checked="" type="checkbox"/> Facility is Subject to Review by the Air Toxics Information and Assessment Act (AB2588) <input type="checkbox"/> Facility Determined to be Exempt from AB2588 Requirements <input checked="" type="checkbox"/> AQMD is Tracking Status of Facility under AB2588 <input type="checkbox"/> Health Risk Assessment Submitted to AQMD and Is Being Reviewed <input type="checkbox"/> Final Facility Health Risk Approved Cancer Risk = _____ Acute Hazard Index = _____ Chronic Hazard Index = _____ | | | | | |
| Criteria Pollutant Emissions Annual Reported Emissions (tons/year) for Reporting Year: 2010 | | <input checked="" type="checkbox"/> NOx | 0.641 | <input checked="" type="checkbox"/> PM | 0.359 |
| | | <input checked="" type="checkbox"/> CO | 0.357 | <input checked="" type="checkbox"/> SOx | 0.022 |
| | | <input checked="" type="checkbox"/> VOC | 0.112 | <input type="checkbox"/> Other: | _____ |
| Compliance History: <input checked="" type="checkbox"/> Citizen Complaints Filed in Last Two Calendar Years (0) <input checked="" type="checkbox"/> Notices to Comply Issued in Last Two Calendar Years (0) <input checked="" type="checkbox"/> Notices of Violation Issued in Last Two Calendar Years (0) | | | | | |
| Comments: | | | | | |

South Coast Air Quality Management District

Statement of Basis

Proposed Title V Renewal Permit

| | |
|---------------------------------------|------------------------------------------------------|
| Facility Name: | Southern California Edison, Center Substation |
| Facility ID: | 17104 |
| SIC Code: | 4911 |
| Equipment Location: | 10601 Firestone Blvd Norwalk, CA 90650 |
| Application #(s): | 526861 |
| Application Submittal Date(s): | 08/31/11 |
| AQMD Contact Person: | Chris Perri, Air Quality Engineer |
| Phone Number: | (909) 396-2696 |
| E-Mail Address: | cperri@aqmd.gov |

1. Introduction and Scope of Permit

Title V is a national operating permit program for air pollution sources. Facilities subject to Title V must obtain a Title V permit and comply with specific Title V procedures to modify the permit. This permit replaces the facility's other existing permits. Title V does not necessarily include any new requirements for reducing emissions. It does, however, include new permitting, noticing, record keeping, and reporting requirements.

Pursuant to Title V of the federal Clean Air Act and AQMD Rule 3004(f), a Title V permit shall expire five years after the date of issuance, unless such permit has been renewed. Accordingly, each facility is required to submit a Title V renewal application and request that the AQMD renew their Title V permit. The proposed permit incorporates updates to the facility information provided in the facility's Title V renewal application and all rules and regulations that are currently applicable to the facility.

The AQMD implements Title V through Regulation XXX – Title V Permits, adopted by the AQMD Governing Board in order to comply with EPA's requirement that local air permitting authorities develop a Title V program. Regulation XXX was developed with the participation of the public and affected facilities through a series of public workshops, working group meetings, public hearings and other meetings.

The Title V major source threshold for a particular pollutant depends on the attainment status of the pollutant. NO₂, SO₂, CO, and lead are in attainment with federal standards. The status for

PM-10 is serious nonattainment. The status for ozone is currently extreme nonattainment. For the South Coast Air Basin (SOCAB) the threshold levels are as follows:

| Pollutant | SOCAB Major Source Thresholds |
|---------------------|-------------------------------|
| VOC | 10 |
| NOx | 10 |
| SOx | 100 |
| CO | 50 |
| PM-10 | 70 |
| Single HAP | 10 |
| Combination of HAPS | 25 |

A Title V permit is proposed to be issued to cover the operations of SCE, Barre Substation, 8662 Cerritos Ave, Stanton. This facility is subject to Title V requirements because the gas turbine is greater than 25 MW and is subject to Acid Rain. The facility is not a major source of either criteria pollutants or HAPs.

2. Facility Description

This is an existing facility that is in the business of producing electrical power. The facility operates 1 gas turbine generator to produce power for use in the State of California. The turbine's maximum rating is 49 MW and it is fired on natural gas exclusively. The turbine employs water injection and SCR for NOx control, and an oxidation catalyst for CO control. The equipment was constructed with BACT at the time the original permit to construct was issued in 2007. The NOx BACT limit is 2.5 ppmv, the CO BACT limit is 6.0 ppmv, the VOC BACT limit is 2.0 ppmv, and the ammonia slip limit is 5 ppmv, all on a 1 hour average basis. There is also 1 natural gas fired emergency generator engine, rated at 924 hp, 1 diesel fired emergency generator, rated at 377 bhp, and a 10,500 gallon aqueous ammonia storage tank at the facility

3. Construction and Permitting History

The gas turbine generator at this facility received its initial permit in on April 7, 2007. Construction was complete on the unit in the summer of 2007, and first fire was around July 21 of that year. There have been 2 de minimis significant revisions to the permit since its original construction permit was issued. The first was in 2008 to address start up limits, equipment description, and hours of operation for the turbine and emergency generator. The second was in 2009 to allow an exemption from BACT during black start testing of the turbine as required by Cal-ISO.

4. Regulatory Applicability Determinations

Applicable legal requirements for this facility are required to be identified in the Title V permit (for example, Section D, E, and H of the proposed Title V permit). Applicability determinations

(i.e., determinations made by the District with respect to what legal requirements apply to a specific piece of equipment, process, or operation) can be found in the Engineering Evaluations.

The following summarizes the key rules that apply to the major equipment at this site:

Gas Turbine

218 – Continuous Emission Monitoring
401 – Visible Emissions
402 - Nuisance
407 – Liquid and Gaseous Air Contaminants (CO and SO₂ emissions)
409 – Combustion Contaminants (PM emissions)
431.1 – Sulfur Content of Natural Gas (SO_x emissions)
475 – Electric Power Generating Equipment (PM emissions)
Regulation XIII – BACT (NO_x, CO, ROG, PM₁₀, SO_x, NH₃)
Regulation XXX – Title V
40CFR 60 Subpart KKKK (Federal New Source Performance Standards)
40CFR 72 – Acid Rain

Natural Gas Emergency Engine

401 – Visible Emissions
402 – Nuisance
431.1 – Sulfur Content of Natural Gas (SO_x)
Regulation XIII – BACT (NO_x, CO, ROG, PM₁₀, SO_x)
Regulation XXX – Title V

Diesel Emergency Engine

401 – Visible Emissions
402 - Nuisance
404 – Particulate Matter (PM)
431.2 – Sulfur Content of Liquid Fuels (SO_x)
Rule 1470 – Air Toxic Control Measure
Regulation XXX – Title V

The facility is not a major source of HAPs and therefore is not subject to any MACT standards. Total potential HAP emissions are less than 1 tpy, and there is no single HAP over 600 lbs/yr (not including ammonia). There are no area source MACT standards which apply to this facility.

NSPS requirements of 40CFR Part 60 subpart KKKK apply to the gas turbine. Under subpart KKKK, the NO_x is limited to 25 ppm, and the SO_x is limited to 0.9 lbs/MWh discharge, or 0.060 lbs/mmbtu potential in the fuel. There is a requirement to measure the water to fuel ratio and the fuel consumption rate, or alternatively, the unit can use a NO_x and O₂ CEMS. Also, daily monitoring of the sulfur content of the fuel is required if the fuel limit is selected. However, if the operator can provide supplier data showing the sulfur content of the fuel is less than 20 grains/100cf (for natural gas), then daily fuel monitoring is not required.

The equipment complies with the NOx limit since the BACT limit is lower. With the use of natural gas fuel exclusively, the equipment complies with the SOx limit. The equipment also uses continuous monitoring for NOx and CO. Therefore, the equipment complies with the requirements of Subpart KKKK.

CFR Parts 72-78 (Acid Rain) requirements apply to the turbine. Under the Acid Rain regulations, SO2 emissions from the unit are required to be offsets with SO2 allowances. In order to determine the amount of SO2 emitted from the turbine, the SO2 emissions are required to be monitored through use of fuel gas meters and gas constituent analyses, or, if fired with pipeline quality natural gas, as in the case of this facility, a default emission factor of 0.0006 lbs/mmBtu is allowed. SO2 mass emissions are to be recorded every hour. NOx and O2 must be monitored with CEMS in accordance with the specifications of Part 75. Under this program, NOx and SOx emissions will be reported directly to the U.S. EPA.

Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64 do not apply to the turbine because it is not a major source of criteria pollutants.

The permit terms and conditions may be found in Section D of the Title V permit.

5. Monitoring and Operational Requirements

Applicable monitoring and operational requirements for which the facility is required to comply are identified in the Title V permit (for example, Section D, J, and K, and Appendix B). Discussion of any applicable monitoring and operational requirements can be found in the Engineering Evaluations. All periodic monitoring requirements were developed using strict adherence to the following applicable guidance documents: SCAQMD Periodic Monitoring Guidelines for Title V Facilities (November 1997), CAPCOA/CARB/EPA region IX Periodic Monitoring Recommendations for Generally Applicable Requirements in SIP (June 1999), and CAPCOA/CARB/EPA Region IX Recommended Periodic Monitoring for Generally Applicable Grain Loading Standards in the SIP: Combustion Sources (July 2001).

Under the Acid Rain program, the turbine is required to maintain a CEMS for NOx emissions, measure the exhaust O2, and report mass emissions directly to EPA. Also under Acid Rain (and Subpart KKKK), the plant is allowed to report SOx emissions based on an emission factor since natural gas is used exclusively. Under SCAQMD BACT requirements, the turbine is required to maintain a NOx and CO CEMS for determination of compliance with the BACT concentrations and mass emission limits for these pollutants.

6. Permit Features

Permit Shield

A permit shield is an optional part of a Title V permit that gives the facility explicit protection from requirements that may be incorrectly specified in the permit. A permit shield is a provision in a permit that states that compliance with the conditions contained in the permit shall be deemed compliance with all identified regulatory requirements. To incorporate a permit shield into the Title V permit involves submission of applications for change of conditions for each

equipment affected by the permit shield. Permit shields are addressed in Rule 3004 (c). This facility has not applied for a permit shield.

Streamlining Requirements

Some emission units may be subject to multiple requirements which are closely related or redundant. The conditions may be streamlined to simplify the permit conditions and compliance. Emission limits, work practice standards, and monitoring, recordkeeping, and reporting requirements may be streamlined. Compliance with a streamlined condition will be deemed compliance with the underlying requirements whether or not the emission unit is actually in compliance with the specific underlying requirement. This facility has not applied for any streamlined conditions.

7. Summary of Emissions and Health Risks

Criteria Pollutant Emissions (tons/year) Annual Reported Emissions for Reporting Period 2010

| Pollutant | Emissions (tons/year) |
|-----------|-----------------------|
| NOx | 0.641 |
| CO | 0.357 |
| VOC | 0.112 |
| PM | 0.359 |
| SOx | 0.022 |

Toxic Air Contaminants Emissions (TAC) Annual Reported Emissions for Reporting Period 2010

| The Following TACs Were Reported | Emissions (lbs/yr) |
|------------------------------------------|--------------------|
| 1,3 Butadiene | 0.168 |
| Ammonia | 592 |
| Benzene | 0.923 |
| Formaldehyde | 18 |
| Naphthalene | 0.102 |
| Polynuclear aromatic hydrocarbons (PAHs) | 0.079 |

Health Risk from Toxic Air Contaminants

The facility is subject to review by the Air Toxics Information and Assessment Act (AB2588). The facility is not currently defined as high risk, and therefore is not required to perform a Health Risk Assessment at this time.

8. Compliance History

As noted, the facility has been in operation since about 2007. The facility has been subject to both self-reporting requirements and AQMD inspections. The facility has had 0 citizen

complaints filed, 0 NoticeS to Comply issued, and 0 Notices of Violation issued in the last two calendar years.

9. Compliance Certification

By virtue of the Title V permit application and renewal of this permit, the reporting frequency for compliance certification for the facility shall be annual.



South Coast Air Quality Management District

Form 400-A

Application Form for Permit or Plan Approval

List only one piece of equipment or process per form.

Mail To: SCAQMD P.O. Box 4944 Diamond Bar, CA 91765-0944 Tel: (909) 396-3385 www.aqmd.gov

Section A - Operator Information
1. Facility Name (Business Name of Operator to Appear on the Permit): Southern California Edison Company
2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): 017104
3. Owner's Business Name (If different from Business Name of Operator):

Section B - Equipment Location Address
4. Equipment Location Is: Fixed Location
10601 E. Firestone Blvd.
Norwalk, CA 90650
Kishore Billapati, Envr. Spec.
(714) 379-7919, (714) 895-0259
E-Mail: Kishore.Billapati@SCE.com
Section C - Permit Mailing Address
5. Permit and Correspondence Information:
7301 Fenwick Lane - Peaker and Solar Generation Division
Westminster, CA 92683
Kishore Billapati, Envr. Spec.
(714) 379-7919, (714) 895-0259
E-Mail: Kishore.Billapati@SCE.com

Section D - Application Type
6. The Facility Is: In Title V
7. Reason for Submitting Application (Select only ONE):
7a. New Equipment or Process Application:
7b. Facility Permits: Title V Application or Amendment (Also submit Form 500-A1)
7c. Equipment or Process with an Existing/Previous Application or Permit:
Existing or Previous Permit/Application
If you checked any of the items in 7c., you MUST provide an existing Permit or Application Number.

8a. Estimated Start Date of Construction (mm/dd/yyyy):
8b. Estimated End Date of Construction (mm/dd/yyyy):
8c. Estimated Start Date of Operation (mm/dd/yyyy):
9. Description of Equipment or Reason for Compliance Plan (list applicable rule): Title V Permit Renewal
10. For identical equipment, how many additional applications are being submitted with this application?
11. Are you a Small Business as per AQMD's Rule 102 definition?
12. Has a Notice of Violation (NOV) or a Notice to Comply (NC) been issued for this equipment? If Yes, provide NOV/NC#:

Section E - Facility Business Information
13. What type of business is being conducted at this equipment location? Electric Power Generation
14. What is your business primary NAICS Code? (North American Industrial Classification System) 221112
15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator?
16. Are there any schools (K-12) within 1000 feet of the facility property line?

Section F - Authorization/Signature
I hereby certify that all information contained herein and information submitted with this application are true and correct.
17. Signature of Responsible Official: Russ W. Krieger
18. Title of Responsible Official: V.P., Power Production
19. I wish to review the permit prior to issuance. (This may cause a delay in the application process.)
20. Print Name: Russ W. Krieger
21. Date: 8/26/14
22. Do you claim confidentiality of data? (If Yes, see instructions.)

23. Check List:
[X] Authorized Signature/Date [X] Form 400-CEQA [] Supplemental Form(s) (ie., Form 400-E-xx) [X] Fees Enclosed
AQMD USE ONLY: APPLICATION TRACKING # 52606141, CHECK # 95432, AMOUNT RECEIVED \$ 7926.96, PAYMENT TRACKING #, VALIDATION 8/31/14
DATE, APP DATE, APP REG, CLASS I III, BASIC CONTROL, EQUIPMENT CATEGORY CODE 555002, TEAM E, ENGINEER, REASON/ACTION TAKEN

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