

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: INTERNAL COMBUSTION					
System 1: POWER GENERATION					
INTERNAL COMBUSTION ENGINE, UNIT NO. 7, DIESEL FUEL, EMD, MODEL 16-567-C, WITH TURBOCHARGER, 1500 HP WITH A/N: 483412 GENERATOR, 1000 KW	D1	C54 C76	NOX: MAJOR SOURCE**	CO: 23 PPMV (8) [40CFR 63SubpartZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A195.8, A195.10, D29.2, D29.4, D29.5, D90.1, D323.2, E73.1, E193.3, H23.3, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #7, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 7 FT 7 IN WITH A/N: 402942 UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #7 TANK, DAY TANK #7, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C54	D1		NH3: 10 PPMV (5) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N: 402942	C76	D1			D12.6, D12.7

* (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.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, UNIT NO. 8, DIESEL FUEL, EMD, MODEL 16-567-D4, TWO CYCLE, LEAN BURN, WITH TURBOCHARGER, 2150 HP WITH A/N: 483413 GENERATOR, 1500 KW	D2	C59 C77	NOX: MAJOR SOURCE**	CO: 23 PPMV (8) [40CFR 63SubpartZZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A195.8, A195.10, D29.2, D29.4, D29.5, D90.1, D323.2, E73.1, E193.3, H23.3, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #8, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 7 FT 7 IN WITH A/N: 405151 UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #8 TANK, DAY TANK #8, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C59	D2		NH3: 10 PPMV (5) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N: 405151	C77	D2			D12.6, D12.7

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, UNIT NO. 10, DIESEL FUEL, EMD, MODEL 16-645-E1, WITH TURBOCHARGER, 1575 HP WITH A/N: 483414 GENERATOR, 1125 KW	D3	C55 C78	NOX: MAJOR SOURCE**	CO: 23 PPMV (8) [40CFR 63SubpartZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A195.8, A195.10, D29.2, D29.4, D29.5, D90.1, D323.2, E73.1, E193.3, H23.3, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #10, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 7 FT 7 IN WITH A/N: 403322 TANK, DAY TANK #10, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #10	C55	D3		NH3: 10 PPMV (5B) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N: 403322	C78	D3			D12.6, D12.7

- * (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

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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: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, UNIT NO. 12, DIESEL FUEL, EMD, MODEL 12-645-E4, WITH TURBOCHARGER, 2200 HP WITH A/N: 483415 GENERATOR, 1500 KW	D5	C56 C79	NOX: MAJOR SOURCE**	CO: 23 PPMV (8) [40CFR 63SubpartZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A195.8, A195.10, D29.2, D29.4, D29.5, D90.1, D323.2, E73.1, E193.3, H23.3, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #12, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 7 FT 7 IN WITH A/N: 402940 UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #12 TANK, DAY TANK #12, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C56	D5		NH3: 10 PPMV (5) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N: 402940	C79	D5			D12.6, D12.7

- | | |
|---|---|
| <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 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: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, UNIT NO. 14, DIESEL FUEL, GENERAL MOTORS, MODEL S16-645-E1, 16 CYLINDERS, WITH TURBOCHARGER, 1950 HP WITH A/N: 483416 GENERATOR, 1400 KW	D6	C57 C80	NOX: MAJOR SOURCE**	CO: 23 PPMV (8) [40CFR 63SubpartZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; PM: (9) [RULE 404, 2-7-1986]; VOC: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A195.8, A195.10, D29.2, D29.4, D29.5, D90.1, D323.2, E71.1, E73.1, E193.3, H23.3, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #14, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 7 FT 7 IN WITH A/N: 403321 UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #14 TANK, DAY TANK #14, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C57	D6		NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N: 403321	C80	D6			D12.6, D12.7

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process I: INTERNAL COMBUSTION					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, DIESEL FUEL, CUMMINS, MODEL QSL9-G3, 19.2 GAL/HR MAX FUEL USE, WITH AFTERCOOLER, TURBOCHARGER, 399 BHP A/N: 514970	D81		NOX: PROCESS UNIT**	CO: 2.6 GRAM/BHP-HR DIESEL (4) [RULE 1703(a)(2) - PSD-BACT, 10-7-1988]; NOX: 125.4 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005]; NOX + ROG: 3 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1) -BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 1703(a)(2) - PSD-BACT, 10-7-1988; RULE 2005, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM10: 0.15 GRAM/BHP-HR DIESEL (4) [RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1) -BACT, 12-6-2002]	C1.4, D12.1, E116.1, H23.4, K67.7
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, UNIT NO. 15, DIESEL FUEL, EMD, MODEL 16-710G4B, TWO CYCLE, WITH AFTERCOOLER, TURBOCHARGER, 3900 HP WITH A/N: GENERATOR, 2800 KW	D42	C58 C82	NOX: MAJOR SOURCE**	CO: 23 PPMV DIESEL (8) [40CFR 63SubpartZZZ, 3-9-2011]; CO: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; NOX: 2.13 lbs/net MWH DIESEL (5) [RULE 2009.1, 5-11-2001]; NOX: 51 PPMV DIESEL (4) [RULE 2005, 10-15-1993; RULE 2005, 4-9-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: 30 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A63.1, A63.2, A99.1, A195.7, A195.9, A195.10, D29.2, D29.3, D29.5, D323.2, E73.1, H23.3, K40.2

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

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: INTERNAL COMBUSTION					
SELECTIVE CATALYTIC REDUCTION, UNIT #15, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 8 FT 9 IN WITH A/N: UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #15 TANK, DAY TANK #15, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C58	D42		NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, E193.1
CO OXIDATION CATALYST A/N:	C82	D42			D12.6, D12.7
Process 2: PETROLEUM STORAGE					
STORAGE TANK, FIXED ROOF, UNHEATED, NO. T3, DIESEL FUEL, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 418879	D74				B59.1, C1.3, E193.2, K67.5
STORAGE TANK, FIXED ROOF, UNHEATED, NO. T4, DIESEL FUEL, 3000 BBL; DIAMETER: 30 FT ; HEIGHT: 24 FT A/N: 426363	D75				B59.1, C1.3, K67.5
Process 3: ORGANIC CHEMICAL STORAGE					

- * (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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: ORGANIC CHEMICAL STORAGE					
STORAGE TANK, PRESSURIZED, NO. 605940, PROPANE, 30000 GALS; DIAMETER: 9 FT ; LENGTH: 65 FT 11.38 IN A/N:	D11				C1.1, C157.1, E57.1, K67.1
STORAGE TANK, PRESSURIZED, NO. 605939, PROPANE, 30000 GALS; DIAMETER: 9 FT ; LENGTH: 65 FT 11.38 IN A/N:	D12				C1.1, C157.1, E57.1, K67.1
STORAGE TANK, PRESSURIZED, NO. 605938, PROPANE, 30000 GALS; DIAMETER: 9 FT ; LENGTH: 65 FT 11.38 IN A/N:	D13				C1.1, C157.1, E57.1, K67.1
STORAGE TANK, PRESSURIZED, NO. 605937, PROPANE, 30000 GALS; DIAMETER: 9 FT ; LENGTH: 65 FT 11.38 IN A/N:	D14				C1.1, C157.1, E57.1, K67.1
STORAGE TANK, FIXED ROOF, NO. 1, 32.5 PERCENT AQUEOUS UREA, 10000 GALS; DIAMETER: 13 FT 6 IN; HEIGHT: 12 FT A/N: 403321	D72				
STORAGE TANK, FIXED ROOF, NO. 2, 32.5 PERCENT AQUEOUS UREA, 10000 GALS; DIAMETER: 13 FT 6 IN; HEIGHT: 12 FT A/N: 403321	D73				
Process 6: Rule 219 Exempt Equipment Subject to a Source-Specific Rule					

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| <ul style="list-style-type: none"> * (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 | <ul style="list-style-type: none"> (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 |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE 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 6: Rule 219 Exempt Equipment Subject to a Source-Specific Rule					
RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, <= 53 FT3, WITH DUST FILTER	E48			PM: (9) [RULE 1140, 2-1-1980; RULE 1140, 8-2-1985; RULE 404, 2-7-1986; RULE 405, 2-7-1986]	D322.1, D381.1, E102.1, K67.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E49			ROG: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	K67.3
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E50			ROG: (9) [RULE 1171, 11-7-2003; RULE 1171, 2-1-2008]	H23.1

- * (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

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**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
D1	1	1	1
D2	2	1	1
D3	3	1	1
D5	4	1	1
D6	5	1	1
D11	8	3	0
D12	8	3	0
D13	8	3	0
D14	8	3	0
D42	6	1	1
E48	9	6	0
E49	9	6	0
E50	9	6	0
C54	1	1	1
C55	3	1	1
C56	4	1	1
C57	5	1	1
C58	7	1	1
C59	2	1	1
D72	8	3	0
D73	8	3	0
D74	7	2	0
D75	7	2	0
C76	1	1	1
C77	2	1	1
C78	3	1	1
C79	4	1	1
C80	5	1	1
D81	6	1	1
C82	7	1	1

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

FACILITY CONDITIONS

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

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

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

[RULE 401, 3-2-1984; RULE 401, 9-11-1998]

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

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

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

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

[RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

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

CONTAMINANT	EMISSIONS LIMIT
ROG	Less than or equal to 11.2 LBS PER DAY
SOX	Less than or equal to 32.9 LBS PER DAY
PM10	Less than or equal to 44.4 LBS PER DAY
CO	Less than or equal to 206.1 LBS PER DAY

The limits for ROG, CO, and PM10 shall be verified using the latest source test results for each pollutant in lbs/hr multiplied by actual number of hours the unit has operated each day

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D42]

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

CONTAMINANT	EMISSIONS LIMIT
PM	Less than or equal to 5.32 TONS IN ANY ONE YEAR

The limit shall be verified by using the results from the latest source test for PM emissions and either the total annual fuel use or the total annual hours of operation for the unit. 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 1401, 3-7-2008]

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

[Devices subject to this condition : D42]

- A99.1 The 51 PPM NOX emission limit(s) shall not apply during start up or shutdown periods. Each start up shall not exceed 60 minutes and each shutdown shall not exceed 15 minutes. There shall be no more than 720 start ups per year. NOx emissions for the 60 minutes which includes a start up shall not exceed 25 lbs.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D42]

- A195.2 The 10 PPMV NH3 emission limit(s) is averaged over 60 minutes at 15 percent O2 dry. The operator shall calculate and continuously record the NH3 slip concentration using the following equations.

$$\text{NH}_3(\text{ppmv}) = [a - b * c / 1E6] (1 - d) * 1E6 / b$$

a = NH3 (urea) injection rate (lb/hr) * 34 lb NH3 / 60 lb urea / 17 (lb/lb-mole),
b = dry exhaust gas flow rate (lb/hr) / 29 (lb/lb-mole),
c = change in measured NOx across the SCR, ppmv at 15 percent O2, and
d = 50 percent assumed NH3 oxidation efficiency.

The operator shall install and maintain a NOx analyzer, or other method as approved by the AQMD to measure the SCR inlet NOx ppm accurate to within +/- 5 percent calibrated at least once every 12 months.

The operator shall use the method described above 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 determination without corroborative data using an approved reference test method for the determination of ammonia.

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

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:

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

A195.7 The 2.13 LBS/MW-HR NOX emission limit(s) is averaged over 1 year.

1. To demonstrate compliance with the Nox emission rate for Device D42, the facility permit holder shall comply with the following:

(a) Determine the NOx emissions from the device pursuant to Rule 2012 including any required data substitution.

(b) For each quarter starting from the fourth quarter of compliance year 2001, report the quarterly NOx emissions and the energy produced in megawatts-hour for the quarter from this device. The report shall be filed along with the Quarterly Certificate of Emission Report (QCER) as required by Rule 2004.

2. The SCR control equipment shall be capable of achieving a NOx reduction of at least 70%.

[RULE 2004, 5-11-2001; RULE 2009.1, 5-11-2001]

[Devices subject to this condition : D42]

A195.8 The 7.5 LBS/MW-HR NOX emission limit(s) is averaged over 1 calendar year. The limit is calculated based on the total mass NOx emitted from Units 7, 8, 10, 12, 14, and 15 combined.

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:

1. To demonstrate compliance with the Nox emission rate, the facility permit holder shall comply with the following:

1. a) Determine the mass NOx emissions from the all engines pursuant to Rule 2012 including any required data substitution
2. b) For each quarter, report the quarterly NOx emissions and the energy produced in megawatts-hour for the quarter from all engines. The report shall be filed along with the Quarterly Certificate of Emission Report (QCER) as required by Rule 2004

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007; RULE 2009.1, 5-11-2001]

[Devices subject to this condition : D1, D2, D3, D5, D6]

A195.9 The 51 PPM NOX emission limit(s) is averaged over 60 minutes at 15 percent O2, dry.

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 51 PPM 60 minute average (One-Hour Block Average) NOX emissions Limit is calculated by averaging four consecutive valid 15-minute averaging periods produced by the CEMS in a one-hour period at 15 percent O₂, dry. At least 1 minute of valid data is required for each 15-minute period.

An exemption from the 51 ppm One-Hour Block Average NO_x Limit shall apply no more than 5 times per calendar year, provided that a 40 ppm, at 15 percent O₂, dry, Three-Hour Block Average NO_x Limit is met.

The 40 ppm Three-Hour Block Average NO_x Limit is calculated by averaging 12 consecutive valid 15-minute averaging periods in a three-hour period that includes the one-hour period during which the 51 ppm One-Hour Block Average is exceeded. At least 1 minute of valid data is required for each 15-minute period. If the daily calibration check occurs during any of the twelve periods (periods 1-12), that period may be excluded and a 13th 15-minute period may be added (period 0 or 13).

All other valid 15 minute average periods included within the definitions of the One-Hour Block Average NO_x Limit and the Three-Hour Block Average NO_x Limit, including periods within those definitions with data substitution, shall be used to calculate the averages.

Notwithstanding the clock-hour requirements of Rule 2012, or the definition of One-Hour Block Average NO_x Limit in this condition, the NO_x emissions from the unit shall comply with BACT Limit for the 60 minute period beginning after the end of each start up, and for the 60 minute period beginning 15 minutes before the end of each shutdown. The average shall be based on four valid 15-minute periods, with at least 1 minute of valid data in each period.

The operator shall also show compliance with the BACT Limit for the overlapping clock-hour average in a start up or shutdown situation.

The operator shall keep minute data for at least 60 minutes after the end of a start up and at least 60 minutes prior to the start of a shutdown, and use the average of the data to show compliance with the 60-Minute BACT Limit averaged as defined above. Any data substitution during these 60 minute periods shall be used in the calculation of

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 average.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D42]

A195.10 The 23 PPMV CO emission limit(s) is averaged over 1 hour at 15%O₂, dry.

This limit shall take effect no later than May 3, 2013..

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

B. Material/Fuel Type Limits

B59.1 The operator shall only use the following material(s) in this device :

diesel fuel meeting the requirements of Rule 431.2

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

[Devices subject to this condition : D74, D75]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the number of turnovers to no more than 45 in any one year.

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

[Devices subject to this condition : D11, D12, D13, D14]

C1.3 The operator shall limit the throughput to no more than 3000000 gallon(s) per year.

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

[Devices subject to this condition : D74, D75]

C1.4 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

The 200 hours per year shall include no more than 50 hours in any one year for maintenance and testing purposes.

The operation of the engine beyond the 50 hr/yr allotted for engine maintenance and 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 grid operator or electric utility 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 1110.2, 7-9-2010; RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;
RULE 1470, 6-1-2007]**

[Devices subject to this condition : D81]

C157.1 The operator shall install and maintain a pressure relief valve set at 232 psig.

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 402, 5-7-1976]

[Devices subject to this condition : D11, D12, D13, D14]

D. Monitoring/Testing Requirements

D12.1 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, 7-9-2010; **RULE 1304(c)-Offset Exemption, 6-14-1996; RULE 2012, 12-5-2003**]

[Devices subject to this condition : D81]

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the engine 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.

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

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flow rate of the urea injection system.

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 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]

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

D12.5 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the the SCR catalyst bed in inches 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]

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

D12.6 The operator shall install and maintain a(n) differential pressure gauge to accurately indicate the differential pressure across the oxidation catalyst bed in inches of water column.

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 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.

The pressure drop across the catalyst shall not be greater than 2 inches more than the pressure drop measure during the initial performance test.

For the purposes of this condition, continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour

The gauge shall be installed and operating no later than May 3, 2013.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : C76, C77, C78, C79, C80, C82]

D12.7 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature at the inlet of the oxidation catalyst.

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 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.

The temperature of the exhaust entering the catalyst shall be between 450 and 1350 degrees F

For the purposes of this condition, continuously record shall be defined as recording at least once every hour and shall be calculated based upon the average of the continuous monitoring for that hour

The gauge shall be installed and operating no later than May 3, 2013.

[40CFR 63SubpartZZZZ, 3-9-2011]

[Devices subject to this condition : C76, C77, C78, C79, C80, C82]

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 serving this equipment

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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

The test shall be conducted at least quarterly during the first 12 months of operation of the SCR, and at least annually thereafter.

The test shall be conducted to determine the NH₃ emissions at the outlet using the specified method measured over a 60 minute averaging time period. The NO_x 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 NO_x emissions using District method 100.1.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the District within 45 days after the test date.

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

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

D29.3 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
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	District method 5.2	1 hour	Outlet of the SCR serving this equipment
CO emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment

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 test shall be conducted at least once every year for PM and ROG, and at least once every 2 years for CO, or in accordance with Rule 1110.2, whichever is more stringent

The test shall be conducted to determine compliance with the A63.1 limits. Test results in lbs/hr or lbs/1000 gallons shall be used in conjunction with either the hours of operation or the fuel use data to calculate the daily and annual emissions of these pollutants

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 generating output in MW. The test shall be conducted when the unit is operating at 80% of full load or greater (less than full load test results will be prorated to full load).

The NO_x concentration, as determined by the CEMS, shall be simultaneously recorded during the ROG and CO test. If the CEMS is inoperable, a test shall be conducted to determine the NO_x emissions using District Method 100.1 measured over a 60 minute averaging time period

The test shall be conducted in accordance with AQMD approved 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 lab certifying that it meets the criteria of R304, and a description of all sampling and analytical procedures

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

[Devices subject to this condition : D42]

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

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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

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
CO emissions	District method 100.1	30 minutes	Outlet of the SCR serving this equipment
VOC emissions	Approved District method	30 minutes	Outlet of the SCR serving this equipment

The test shall be conducted at least once every 2 years or 8,760 operating hours, whichever comes first

The test shall be conducted to verify compliance with Rule 1110.2 limits

[RULE 1110.2, 2-1-2008; RULE 1110.2, 9-7-2012]

[Devices subject to this condition : D1, D2, D3, D5, D6]

D29.5 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
CO emissions	EPA Test Method 10 or District Method 100.1	1 hour	Outlet of the SCR serving this equipment

The test shall be conducted at least once every 3 years or 8,760 operating hours, whichever comes first

The test shall be conducted to verify compliance with 40 CFR 63 subpart ZZZZ limit

The initial test shall be performed no later than May 3, 2013.

[40CFR 63SubpartZZZZ, 3-9-2011]

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:

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

D90.1 The operator shall monitor the power output of the engine generator according to the following specifications:

The operator shall install and maintain a device to accurately indicate the net power output of the engine generator. The data will be used to calculate the emissions in lbs/MWh

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

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

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007; RULE 2009.1, 5-11-2001]

[Devices subject to this condition : D1, D2, D3, D5, D6]

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

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

[Devices subject to this condition : E48]

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:

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

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

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

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

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

FACILITY PERMIT TO OPERATE 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 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

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

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

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

[Devices subject to this condition : E48]

E. Equipment Operation/Construction Requirements

E57.1 The operator shall vent this equipment to the unloading barge whenever the tank is being filled.

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

[Devices subject to this condition : D11, D12, D13, D14]

E71.1 The operator shall not operate this equipment if the fuel injection timing is not set and maintained at top dead center.

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

[Devices subject to this condition : D6]

E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use urea injection during start ups when the exhaust temperature at the inlet of the SCR reactor is less than 550 Deg F, not to exceed 1 hour:

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 402, 5-7-1976]

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

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

[Devices subject to this condition : E48]

E116.1 This engine shall not be used as part of a demand response program using interruptible service contract in which a facility receives a payment or reduced rates in return for reducing its electric load on the grid when requested to do so by the utility or the grid operator.

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 1470, 6-1-2007]

[Devices subject to this condition : D81]

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.

Condition Number D 12- 3

Condition Number D 12- 4

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

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

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

Condition Number D 12- 5

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

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

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

In accordance with all mitigation measures, as well as all design and operational representations, stipulated in the CEQA document that was prepared for this project by the South Coast AQMD (SCH No. 2003031050)

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:

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : C54, C55, C56, C57, C58, C59]

E193.2 The operator shall restrict the operation of this equipment as follows:

No later than 90 days after completion of construction of Tank T3 (device D74), existing Tank T1 (device D9) shall be shutdown and its operating permit surrendered to the AQMD.

[RULE 1304(c)-Offset Exemption, 6-14-1996]

[Devices subject to this condition : D74]

E193.3 The operator shall operate and maintain this equipment as follows:

In accordance with the Settlement Agreement (SA) between SCE and SCAQMD dated March 19, 2009

The following is a reminder of the upcoming terms of the SA: SCE shall commence operation of a battery and microturbines by December 31, 2011, or request a 1 year extension. Within 30 days of commencement of operation of the battery and microturbines, SCE shall submit the 'Second Set of Applications'. SCE may also choose not to install a battery and microturbines, and instead pay a penalty or replace an engine

[H&S 44300, 7-1-1988]

[Devices subject to this condition : D1, D2, D3, D5, D6]

H. Applicable Rules

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:

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

Contaminant	Rule	Rule/Subpart
ROG	District Rule	1122

[RULE 1122, 7-11-1997]

[Devices subject to this condition : E50]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

These engines operating with SCR, are exempt from the PM standards of this rule

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
H2S	District Rule	431.2

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 1470, 6-1-2007; RULE 431.2, 9-15-2000]

[Devices subject to this condition : D81]

K. Record Keeping/Reporting

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

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 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 engine fuel , exhaust gas rate, and engine and generator output under which the test was conducted.

In addition, NO_x emission data shall be expressed in terms of lbs/MW-hr

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D1, D2, D3, D5, D6, D42]

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:

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

throughput records

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

[Devices subject to this condition : D11, D12, D13, D14]

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

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

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

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

[Devices subject to this condition : E49]

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:

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

the date, time and description of any maintenance or repairs resulting from the inspection

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

[Devices subject to this condition : E48]

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

MONTHLY FUEL TRANSFER TO THIS TANK

Date of construction completion for Tank T4, and Tank T3

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

[Devices subject to this condition : D74, D75]

K67.7 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:

An engine operating log listing on a monthly basis the emergency use hours of operation, maintenance and testing hours of operation, and any other hours of use with a description of the reason for operation. Additionally, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of operation

The log shall be kept for a minimum of five calendar years prior to the current year and be made available to District personnel upon request. The total hours of operation for the previous calendar year shall be recorded sometime during the first 15 days of January of each year

[RULE 1110.2, 7-9-2010; **RULE 1304(a)-Modeling and Offset Exemption, 6-14-1996;**
RULE 1470, 6-1-2007]

[Devices subject to this condition : D81]

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: INTERNAL COMBUSTION					
System 1: POWER GENERATION					
INTERNAL COMBUSTION ENGINE, LEAN BURN, NON-EMERGENCY, UNIT NO. 15, DIESEL FUEL, EMD, MODEL 16-710G4B, TWO CYCLE, WITH AFTERCOOLER, TURBOCHARGER, 3900 HP WITH A/N: 483417 Permit to Construct Issued: 06/23/09 GENERATOR, 2800 KW	D42	C58	NOX: MAJOR SOURCE**	CO: 2000 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]; NOX: 2.13 lbs/net MWH DIESEL (5) [RULE 2009.1, 5-11-2001]; NOX: 51 PPMV DIESEL (4) [RULE 2005, 10-15-1993; RULE 2005, 4-9-1999]; PM: (9) [RULE 404, 2-7-1986]; ROG: 250 PPMV DIESEL (5) [RULE 1110.2, 2-1-2008]	A63.1, A63.2, A99.1, A195.7, A195.9, D29.1, D29.2, D29.3, D323.2, D425.1, E51.1, E71.2, E73.1, E193.3, H23.3, I331.1, K40.2
SELECTIVE CATALYTIC REDUCTION, UNIT #15, JOHNSON MATTHEY, METAL MONOLITH VANADIA/TITANIA, 1000.5 CU.FT.; WIDTH: 4 FT ; HEIGHT: 6 FT 6 IN; LENGTH: 8 FT 9 IN WITH A/N: 405147 Permit to Construct Issued: 08/05/03 UREA INJECTION SYSTEM, AQUEOUS UREA INJECTION GRID #15 TANK, DAY TANK #15, AQUEOUS UREA, 150 GALS; LENGTH: 3 FT ; WIDTH: 3 FT	C58	D42		NH3: 10 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	A195.2, D12.3, D12.4, D12.5, E179.1, E179.2, 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
D42	1	1	1
C58	1	1	1

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, 9-11-1998]

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

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

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

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

[RULE 431.2, 9-15-2000]

DEVICE CONDITIONS

A. Emission Limits

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

CONTAMINANT	EMISSIONS LIMIT
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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:

ROG	Less than or equal to 11.2 LBS PER DAY
SOX	Less than or equal to 32.9 LBS PER DAY
PM10	Less than or equal to 44.4 LBS PER DAY
CO	Less than or equal to 206.1 LBS PER DAY

The limits for ROG, CO, and PM10 shall be verified using the latest source test results for each pollutant in lbs/hr multiplied by actual number of hours the unit has operated each day

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D42]

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

CONTAMINANT	EMISSIONS LIMIT
PM	Less than or equal to 5.32 TONS IN ANY ONE YEAR

The limit shall be verified by using the results from the latest source test for PM emissions and either the total annual fuel use or the total annual hours of operation for the unit. 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 1401, 3-7-2008]

[Devices subject to this condition : D42]

A99.1 The 51 PPM NOX emission limit(s) shall not apply during start up or shutdown periods. Each start up shall not exceed 60 minutes and each shutdown shall not exceed 15 minutes. There shall be no more than 720 start ups per year. NOx emissions for the 60 minutes which includes a start up shall not exceed 25 lbs.

[RULE 2005, 5-6-2005]

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 : D42]

A195.2 The 10 PPMV NH₃ emission limit(s) is averaged over 60 minutes at 15 percent O₂ dry. The operator shall calculate and continuously record the NH₃ slip concentration using the following equations.

$$\text{NH}_3(\text{ppmv}) = [a - b * c / 1E6] (1 - d) * 1E6 / b$$

a = NH₃ (urea) injection rate (lb/hr) * 34 lb NH₃ / 60 lb urea / 17 (lb/lb-mole), b = dry exhaust gas flow rate (lb/hr) / 29 (lb/lb-mole), c = change in measured NO_x across the SCR, ppmv at 15 percent O₂, and d = 50 percent assumed NH₃ oxidation efficiency.

The operator shall install and maintain a NO_x analyzer, or other method as approved by the AQMD to measure the SCR inlet NO_x ppm accurate to within +/- 5 percent calibrated at least once every 12 months.

The operator shall use the method described above 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 determination without corroborative data using an approved reference test method for the determination of ammonia.

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

[Devices subject to this condition : C58]

A195.7 The 2.13 LBS/MW-HR NO_x emission limit(s) is averaged over 1 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:

1. To demonstrate compliance with the Nox emission rate for Device D42, the facility permit holder shall comply with the following:

(a) Determine the NOx emissions from the device pursuant to Rule 2012 including any required data substitution.

(b) For each quarter starting from the fourth quarter of compliance year 2001, report the quarterly NOx emissions and the energy produced in megawatts-hour for the quarter from this device. The report shall be filed along with the Quarterly Certificate of Emission Report (QCER) as required by Rule 2004.

2. The SCR control equipment shall be capable of achieving a NOx reduction of at least 70%.

[RULE 2004, 5-11-2001; RULE 2009.1, 5-11-2001]

[Devices subject to this condition : D42]

A195.9 The 51 PPM NOX 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:

The 51 PPM 60 minute average (One-Hour Block Average) NOX emissions Limit is calculated by averaging four consecutive valid 15-minute averaging periods produced by the CEMS in a one-hour period at 15 percent O₂, dry. At least 1 minute of valid data is required for each 15-minute period.

An exemption from the 51 ppm One-Hour Block Average NO_x Limit shall apply no more than 5 times per calendar year, provided that a 40 ppm, at 15 percent O₂, dry, Three-Hour Block Average NO_x Limit is met.

The 40 ppm Three-Hour Block Average NO_x Limit is calculated by averaging 12 consecutive valid 15-minute averaging periods in a three-hour period that includes the one-hour period during which the 51 ppm One-Hour Block Average is exceeded. At least 1 minute of valid data is required for each 15-minute period. If the daily calibration check occurs during any of the twelve periods (periods 1-12), that period may be excluded and a 13th 15-minute period may be added (period 0 or 13).

All other valid 15 minute average periods included within the definitions of the One-Hour Block Average NO_x Limit and the Three-Hour Block Average NO_x Limit, including periods within those definitions with data substitution, shall be used to calculate the averages.

Notwithstanding the clock-hour requirements of Rule 2012, or the definition of One-Hour Block Average NO_x Limit in this condition, the NO_x emissions from the unit shall comply with BACT Limit for the 60 minute period beginning after the end of each start up, and for the 60 minute period beginning 15 minutes before the end of each shutdown. The average shall be based on four valid 15-minute periods, with at least 1 minute of valid data in each period.

The operator shall also show compliance with the BACT Limit for the overlapping clock-hour average in a start up or shutdown situation.

The operator shall keep minute data for at least 60 minutes after the end of a start up and at least 60 minutes prior to the start of a shutdown, and use the average of the data to show compliance with the 60-Minute BACT Limit averaged as defined above. Any data substitution during these 60 minute periods shall be used in the

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:

calculation of the average.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D42]

D. Monitoring/Testing Requirements

D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature of the engine 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.

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

[Devices subject to this condition : C58]

D12.4 The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the flow rate of the urea injection system.

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]

[Devices subject to this condition : C58]

D12.5 The operator shall install and maintain a(n) pressure gauge to accurately indicate the differential pressure across the the SCR catalyst bed in inches water column.

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 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]

[Devices subject to this condition : C58]

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 serving this equipment
CO emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment
SOX emissions	District method 6.1	1 hour	Outlet of the SCR serving this equipment
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	Approved District method	District-approved averaging time	Outlet of the SCR serving this equipment
NH3 emissions	District method 207.1 and 5.3 or EPA method	1 hour	Outlet of the SCR serving this equipment

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 District shall be notified of the date and time of the test at least 10 days prior to the test

The test(s) shall be conducted after approval of the test protocol, but no later than 180 days after initial start-up of the internal combustion engine(s) with SCR.

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

The test shall be conducted when the equipment is operating at loads of 100, 75, and 50 percent of maximum load

The test shall be conducted in accordance with a AQMD approved source test protocol. The protocol shall be submitted to the AQMD engineer no later than 45 days before the test date and shall be approved by the AQMD before the test commences. The test protocol shall include the proposed operating conditions of the ICE(s) during the test, the identity of the testing lab, a statement from the testing lab certifying that it meets the criteria of R304, and a description of all sampling and analytical procedures.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D42]

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 serving this equipment

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 quarterly during the first 12 months of operation of the SCR, and at least annually thereafter.

The test shall be conducted to determine the NH₃ emissions at the outlet using the specified method measured over a 60 minute averaging time period. The NO_x 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 NO_x emissions using District method 100.1.

The test shall be conducted when the equipment is operating at 80 percent load or greater.

The test shall be conducted and the results submitted to the District within 45 days after the test date.

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

[Devices subject to this condition : D42]

D29.3 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
ROG emissions	Approved District method	1 hour	Outlet of the SCR serving this equipment
PM emissions	District method 5.2	1 hour	Outlet of the SCR serving this equipment
CO emissions	District method 100.1	1 hour	Outlet of the SCR serving this equipment

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 year for PM and ROG, and at least once every 2 years for CO, or in accordance with Rule 1110.2, whichever is more stringent

The test shall be conducted to determine compliance with the A63.1 limits. Test results in lbs/hr or lbs/1000 gallons shall be used in conjunction with either the hours of operation or the fuel use data to calculate the daily and annual emissions of these pollutants

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 generating output in MW. The test shall be conducted when the unit is operating at 80% of full load or greater (less than full load test results will be prorated to full load).

The NO_x concentration, as determined by the CEMS, shall be simultaneously recorded during the ROG and CO test. If the CEMS is inoperable, a test shall be conducted to determine the NO_x emissions using District Method 100.1 measured over a 60 minute averaging time period

The test shall be conducted in accordance with AQMD approved 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 lab certifying that it meets the criteria of R304, and a description of all sampling and analytical procedures

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

[Devices subject to this condition : D42]

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:

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

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

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

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

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

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

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 : D42]

- D425.1 The operator shall have the existing NOx CEMS monitoring this device reevaluated by the District by submitting a CEMS application. If the CEMS is not recertified within 90 days of the start-up of this device, the facility permit holder shall calculate and report NOx emissions in accordance with Rule 2012, Appendix A, Chapter 2, Paragraph (B) (17)-Recertification Requirements.

[RULE 2012, 3-16-2001; **RULE 2012, 12-5-2003**]

[Devices subject to this condition : D42]

E. Equipment Operation/Construction Requirements

- E51.1 The following condition number(s) shall not apply if all of the requirements stated below are met:

Condition number 63-1

Requirement number 1: startup, not to exceed 1 hour

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D42]

- E71.2 The operator shall not operate this equipment if engine #11 is not shutdown, and the Permit to Operate surrendered to the District..

[**RULE 1303(b)(2)-Offset, 5-10-1996**]

[Devices subject to this condition : D42]

- E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use urea injection during start ups when the exhaust temperature at the inlet of the SCR reactor is less than 550 Deg F, not to exceed 1 hour:

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 402, 5-7-1976**]

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 : D42]

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.

Condition Number D 12- 3

Condition Number D 12- 4

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

[Devices subject to this condition : C58]

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

Condition Number D 12- 5

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

[Devices subject to this condition : C58]

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

In accordance with all mitigation measures, as well as all design and operational representations, stipulated in the CEQA document that was prepared for this project by the South Coast AQMD (SCH No. 2003031050)

[CA PRC CEQA, 11-23-1970]

[Devices subject to this condition : C58]

E193.3 The operator shall operate and maintain 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:

In accordance with the Settlement Agreement (SA) between SCE and SCAQMD dated March 19, 2009

The following is a reminder of the upcoming terms of the SA: SCE shall commence operation of a battery and microturbines by December 31, 2011, or request a 1 year extension. Within 30 days of commencement of operation of the battery and microturbines, SCE shall submit the 'Second Set of Applications'. SCE may also choose not to install a battery and microturbines, and instead pay a penalty or replace an engine

[H&S 44300, 7-1-1988]

[Devices subject to this condition : D42]

H. Applicable Rules

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

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470

These engines operating with SCR, are exempt from the PM standards of this rule

[RULE 1470, 6-1-2007]

[Devices subject to this condition : D42]

I. Administrative

I331.1 The conditions and requirements for this device in Section H shall take effect, and shall supersede those in Section D, when the modifications authorized in Section H are completed. The operator shall notify the AQMD when the modifications are completed.

[RULE 202, 5-7-1976]

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 : D42]

K. Record Keeping/Reporting

K40.2 The operator shall provide to the District a source test report in accordance with the following specifications:

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 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 engine fuel , exhaust gas rate, and engine and generator output under which the test was conducted.

In addition, NO_x emission data shall be expressed in terms of lbs/MW-hr

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

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 2005, 4-9-1999; RULE 2005, 4-20-2001]

[Devices subject to this condition : D42]