



South Coast
Air Quality Management District
 Engineering Division
 Application Processing & Calculations

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APPL NO. 562528--31	DATE 7/30/2014
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CHANGE OF CONDITIONS EVALUATION

APPLICANT:

Southern California Edison
 2492 West San Bernardino Ave
 Redlands, CA 92374

EQUIPMENT LOCATION:

2492 West San Bernardino Ave
 Redlands, CA 92374

EQUIPMENT DESCRIPTION:

Section D of the RECLAIM/Title V Permit, ID# 160437

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions and Requirements	Conditions
System 1: GAS TURBINES, POWER GENERATION					
SELECTIVE CATALYTIC REDUCTION, NO. 3-1, WITH 2750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 25 FT 6 IN; HEIGHT: 72 FT; LENGTH: 1 FT 6 IN, WITH A/N: 366151 562528 AMMONIA INJECTION, INJECTION GRID	C24	D18		NH3: 5PPM (4) [RULE 1303]	A195.4, D12.3 , D12.4 , D12.5, D29.3, E179.1, E179.2
SELECTIVE CATALYTIC REDUCTION, NO. 3-2, WITH 2750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 25 FT 6 IN; HEIGHT: 72 FT; LENGTH: 1 FT 6 IN, WITH A/N: 366152 562529 AMMONIA INJECTION, INJECTION GRID	C33	D27		NH3: 5PPM (4) [RULE 1303]	A195.4, D12.3 , D12.4 , D12.5, D29.3, E179.1, E179.2



Equipment	ID No.	Connected To	RECLAIM Source Type Monitoring Unit	Emissions and Requirements	Conditions
System 1: GAS TURBINES, POWER GENERATION					
SELECTIVE CATALYTIC REDUCTION, NO. 4-1, WITH 2750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 25 FT 6 IN; HEIGHT: 72 FT; LENGTH: 1 FT 6 IN, WITH A/N: 366453 <u>562530</u> AMMONIA INJECTION, INJECTION GRID	C42	D36		NH3: 5PPM (4) [RULE 1303]	A195.4, <u>D12.3</u> , <u>D12.4</u> , D12.5, D29.3, E179.1, E179.2
SELECTIVE CATALYTIC REDUCTION, NO. 4-2, WITH 2750 CUBIC FEET OF TOTAL CATALYST VOLUME, WIDTH: 25 FT 6 IN; HEIGHT: 72 FT; LENGTH: 1 FT 6 IN, WITH A/N: 366454 <u>562531</u> AMMONIA INJECTION, INJECTION GRID	C51	D45		NH3: 5PPM (4) [RULE 1303]	A195.4, <u>D12.3</u> , <u>D12.4</u> , D12.5, D29.3, E179.1, E179.2

BACKGROUND and DISCUSSION:

SCE, Mountainview has requested a revision to their permit to address two issues.

1. Revise Conditions D12.3 and D12.4 to require calibration of the monitoring device every 13 months (instead of 12 months) and,
2. Update the Responsible Official to Henry Martinez, VP of Power Production

Conditions D12.3 and D12.4 require calibration of the ammonia flow meter and SCR thermocouple every 12 months. SCE is requesting to allow 13 months between calibrations which would give them the flexibility in scheduling their plant outage. SCE maintains 2 sets of ammonia flow meters and thermocouples. The units are changed out every fall with pre calibrated spares that are stored on site. Although the units are only in service for 1 year at a time, there is some storage time between calibration and installation which puts the actual calibration at closer to 13 months apart. The facility provided a letter from the supplier and certifier of the meters which indicates that the storage does not alter the calibration characteristics.

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The requested modification is considered a Title V 'minor permit revision', and the proposed permit is required to be forwarded to EPA for a 45 day review and comment period. There is no impact on emissions as a result of the requested permit revision under this application.

RECOMMENDATION:

After the 45 day EPA review and comment period, a Permit to Operate is recommended to modify conditions D12.3 and D12.4 and update the Responsible Official.

CONDITIONS:

D12.3

The operator shall install and maintain a(n) continuous monitoring system to accurately indicate the ammonia injection rate of the ammonia 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 ~~±2~~ **13** months.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; 40CFR 52.21 - PSD, 6-19-1978]

[Devices subject to this condition : C24, C33, C42, C51]

D12.4

The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature in the SCR catalyst.

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 ~~±2~~ **13** months.

[RULE 2005, 4-20-2001; RULE 2005, 5-6-2005; 40CFR 52.21 - PSD, 6-19-1978]

[Devices subject to this condition : C24, C33, C42, C51]