

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY (IEUA), RP-5

PERMIT TO CONSTRUCT/OPERATE

**Permit No. TBD
A/N 489261**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. QST30-G5 NR2, SERIAL NUMBER 37235929, DIESEL FUELED, 1490 BHP, 12 CYLINDERS, FOUR CYCLES, TURBOCHARGED, AFTERCOOLED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 6 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
[RULE 1110.2, 1303-BACT, 1304(a) (4)-MODELING AND OFFSET EXEMPTIONS, 1470]
4. OPERATION BEYOND THE 6 HOURS PER YEAR 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 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 1303- BACT, 1470]
5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1303-BACT, 1470]
6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2; 1303-BACT, 1304(a) (4)-MODELING AND OFFSET EXEMPTIONS]

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7. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
- A. EMERGENCY USE HOURS OF OPERATION
 - B. MAINTENANCE AND TESTING HOURS
 - C. OTHER OPERATING HOURS (DESCRIBE THE REASON FOR OPERATION)

IN ADDITION, 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 AND SHALL 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, 1303-BACT, 1304(a) (4)-MODELING AND OFFSET EXEMPTIONS, 1470]

8. THIS ENGINE SHALL NOT BE OPERATED FOR MAINTENANCE AND TESTING AT THE SAME DAY WHEN OTHER DIESEL FUELED EMERGENCY ENGINES AT THIS FACILITY (PERMITTED UNDER A/N NOS. 475166 AND 489264) ARE OPERATED FOR MAINTENANCE AND TESTING PURPOSES. A SPECIFIC DAILY LOG ENTRY SHALL BE KEPT TO INDICATE THE ENGINE OPERATING TIME FOR MAINTENANCE AND TESTING.
[RULE 1303-OFFSETS]
9. THE SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THIS ENGINE SHALL NOT EXCEED 15 PPM (0.0015%) BY WEIGHT.
[RULE 1470]
10. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, 1470]

Emissions And Requirements:

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|------------|--|
| PM: | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.15 gm/bhp-hr, RULE 1470 |
| PM: | 0.15 gm/bhp-hr, RULE 1303 – BACT |
| NOx +NMHC: | 4.8 g/bhp-hr, RULE 1303-BACT, 1470 |
| CO: | 2.6 g/bhp-hr, RULE 1303-BACT, 1470 |

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INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. QST30-G5 NR2, SERIAL NUMBER 37236081, DIESEL FUELED, 1490 BHP, 12 CYLINDERS, FOUR CYCLES, TURBOCHARGED, AFTERCOOLED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR (LOCATED AT REGIONAL PLANT NO. 5, SOLIDS HANDLING FACILITY).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THIS ENGINE SHALL NOT BE OPERATED MORE THAN A TOTAL OF 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 6 HOURS FOR MAINTENANCE AND PERFORMANCE TESTING.
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4. OPERATION BEYOND THE 6 HOURS PER YEAR 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 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 1303- BACT, 1470]
5. THIS ENGINE SHALL NOT BE USED AS PART OF AN INTERRUPTIBLE SERVICE CONTRACT IN WHICH A FACILITY RECEIVES A PAYMENT OR REDUCED RATES IN RETURN FOR REDUCING ELECTRIC LOAD ON THE GRID WHEN REQUESTED TO DO SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1303-BACT, 1470]
6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2; 1303-BACT, 1304(a) (4)-MODELING AND OFFSET EXEMPTIONS]

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[RULE 1110.2, 1303-BACT, 1304(a) (4)-MODELING AND OFFSET EXEMPTIONS, 1470]

8. THIS ENGINE SHALL NOT BE OPERATED FOR MAINTENANCE AND TESTING AT THE SAME DAY WHEN OTHER DIESEL FUELED EMERGENCY ENGINES AT THIS FACILITY (PERMITTED UNDER A/N NOS. 475166 AND 489264) ARE OPERATED FOR MAINTENANCE AND TESTING PURPOSES. A SPECIFIC DAILY LOG ENTRY SHALL BE KEPT TO INDICATE THE ENGINE OPERATING TIME FOR MAINTENANCE AND TESTING.

[RULE 1303-OFFSETS]

9. THE SULFUR CONTENT OF DIESEL FUEL SUPPLIED TO THIS ENGINE SHALL NOT EXCEED 15 PPM (0.0015%) BY WEIGHT.

[RULE 1470]

10. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.

[RULE 431.2, 1470]

Emissions And Requirements:

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.15 gm/bhp-hr, RULE 1470
PM:	0.15 gm/bhp-hr, RULE 1303 – BACT
NOx +NMHC:	4.8 g/bhp-hr, RULE 1303-BACT, 1470
CO:	2.6 g/bhp-hr, RULE 1303-BACT, 1470