

FACILITY PERMIT TO OPERATE

**US GOVT, VETERANS AFFAIRS MEDICAL CENTER
5901 E 7TH ST
LONG BEACH, CA 90822**

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 US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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**FACILITY PERMIT TO OPERATE
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SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: US GOVT, VETERANS AFFAIRS MEDICAL CENTER

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 5901 E 7TH ST
 LONG BEACH, CA 90822-5299

MAILING ADDRESS: 5901 7TH ST
 LONG BEACH, CA 90822-5299

RESPONSIBLE OFFICIAL: MICHAEL FISHER

TITLE: MEDICAL CENTER DIRECTOR

TELEPHONE NUMBER: (562) 826-5400

CONTACT PERSON: RICK BANFIELD

TITLE: ENGINEER

TELEPHONE NUMBER: (562) 826-8000

TITLE V PERMIT ISSUED: September 08, 2010

TITLE V PERMIT EXPIRATION DATE: September 07, 2015

| | |
|----------------|----------------|
| TITLE V | RECLAIM |
|----------------|----------------|

| | | |
|------------|---------------|----------------|
| YES | NOx: | NO |
| | SOx: | NO |
| | CYCLE: | 0 |
| | ZONE: | COASTAL |

**FACILITY PERMIT TO OPERATE
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SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
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SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)

**FACILITY PERMIT TO OPERATE
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SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

NONE

**FACILITY PERMIT TO OPERATE
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**Facility Equipment and Requirements
(Section D)**

This section consists of a table listing all permitted equipment at the facility, facility wide requirements, all individual Permits to Construct and Permits to Operate issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit and Rule 219-exempt equipment will list operating conditions including periodic monitoring requirements, and applicable emission limits and requirements that the equipment is subject to. Also included is the rule origin and authority of each emission limit and permit condition.

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PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AND PERMITS TO OPERATE AT THIS FACILITY:

| Application number | Permit to Operate number | Equipment description |
|---------------------------|---------------------------------|--|
| 213797 | D35143 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 213798 | D22276 | I C E (50-500 HP) EM ELEC GEN-DIESEL |
| 213800 | D28791 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 213804 | D22281 | I C E (50-500 HP) EM ELEC GEN-DIESEL |
| 213805 | D22282 | I C E (50-500 HP) EM ELEC GEN-DIESEL |
| 452849 | N18921 | GASOLINE STORAGE AND DISPENSING SYSTEM |
| 301007 | D91873 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 301008 | D91874 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 387099 | F49031 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 387100 | F49032 | I C E (50-500 HP) EM ELEC GEN DIESEL |
| 401098 | F52909 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 431729 | F83385 | SPRAY BOOTH |
| 503082 | G10076 | I C E (50-500 HP) EM ELEC GEN DIESEL |
| 516319 | G13922 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 516320 | G13993 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 560589 | G36224 | I C E (50-500 HP) EM ELEC GEN DIESEL |
| 560591 | G36225 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 560592 | G36226 | I C E (>500 HP) EM ELEC GEN DIESEL |
| 562448 | G36227 | BOILER (>20-50 MMBTU/HR) COMB GAS-DISTIL |
| 562449 | G36228 | BOILER (>20-50 MMBTU/HR) COMB GAS-DISTIL |
| 562450 | G32229 | BOILER (>20-50 MMBTU/HR) COMB GAS-DISTIL |
| 562451 | G36231 | SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR) |
| 562452 | G36233 | SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR) |
| 562453 | G36234 | SELECTIVE CATALYTIC REDUCTION SYSTEM (SCR) |

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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FACILITY WIDE CONDITION(S)

Condition(s):

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 RINGLEMANN 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]

2. THE OPERATOR SHALL USE PURCHASE ANY DIESEL FUEL UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPMV BY WEIGHT AS SUPPLIED BY THE SUPPLIER
[RULE 431.2]

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PERMIT TO OPERATE

**Permit No. D35143
A/N 213797**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL KTA-19-G1, S/N 37120235, TURBOCHARGED, AFTERCOOLED, 6 CYLINDERS, 560 BHP.

Conditions

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE 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 CONDITION AT ALL TIMES.
[RULE 204]
3. A TIMER SHALL BE INSTALLED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4)-MODELING AND OFFSETS, RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1470, RULE 1303 (a)(1)-BACT]
5. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. D22276
A/N 213798**

Equipment Description:

INTERNAL COMBUSTION ENGINE GENERAC DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 88A01051-S, SERIAL NO. 8609Z8, 4 CYLINDERS. FOUR CYCLE, NATURALLY ASPIRATED, 130 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
4. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303 (a)-BACT]
5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1470]
6. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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7. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
8. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
9. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Periodic Monitoring:

10. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

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

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PERMIT TO OPERATE

Permit No. D28791
A/N 213800

Equipment Description:

INTERNAL COMBUSTION ENGINE. CUMMINS DIESEL-FUELED. EMERGENCY ELECTRICAL GENERATION. MODEL NTA-855-G. SERIAL NO. 10794305, TURBOCHARGED. AFTERCOOLED, 6 CYLINDERS,. 655 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE 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 CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304 (a)-MODELING AND OFFSETS, RULE 1470]
5. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. D22281
A/N 213804

Equipment Description:

INTERNAL COMBUSTION ENGINE GENERAL MOTORS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 6150. SERIAL NO. 6A-86830, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 250 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
{RULE 1303 (a)(1)-BACT}
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1470, RULE 1110.2]
5. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Periodic Monitoring:

9. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETTABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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**Permit No. D22282
A/N 213805**

Equipment Description:

INTERNAL COMBUSTION ENGINE ALLIS-CHALMERS, DIESEL FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL NO. 25000, SERIAL NO. 2503562, 6 CYLINDERS, FOUR CYCLE, TURBOCHARGED, 445 BHP.

Conditions:

1. OPERATION OF THIS EQUIPMENT MUST BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT MUST BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.
[RULE 204]
3. THE IGNITION TIMING OF THIS ENGINE SHALL BE INSPECTED, ADJUSTED, AND CERTIFIED AT A MINIMUM OF ONCE EVERY THREE YEARS OF OPERATION. INSPECTIONS, ADJUSTMENTS, AND CERTIFICATIONS MUST BE PERFORMED BY A QUALIFIED MECHANIC AND DONE IN ACCORDANCE WITH THE ENGINE MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
[RULE 1303 (a)(1)-BACT]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1470]
5. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Periodic Monitoring:

9. THE OPERATOR SHALL INSTALL AND MAINTAIN A NON-RESETABLE ELAPSED TIME METER TO ACCURATELY INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 3004 (a)(4)]
10. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR.
[RULE 3004 (a)(4)]

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

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PERMIT TO OPERATE

**Permit No. N18921
A/N 452849**

Equipment Description:

FUEL STORAGE AND DISPENSING FACILITY CONSISTING OF:

1. 1- GASOLINE UNDERGROUND STORAGE TANK, 10,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM (VR-102-E), NOT METHANOL COMPATIBLE.
2. 1- METHANOL UNDERGROUND STORAGE TANK, 6,000-GALLON CAPACITY, EQUIPPED WITH PHASE I VAPOR RECOVERY SYSTEM (VR-102-E), 1 METHANOL COMPATIBLE.
3. 2- GASOLINE NOZZLES DISPENSING 2 PRODUCTS, EQUIPPED WITH PHASE II VAPOR RECOVERY SYSTEM, HEALY PHASE II EVR NOT INCLUDING ISD (VR-201-A).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT WAS ISSUED, UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. ALL PERMIT CONDITIONS APPLICABLE TO THE EQUIPMENT DESCRIBED IN THE PREVIOUS PERMIT TO CONSTRUCT/OPERATE N16871 SHALL REMAIN IN EFFECT UNTIL THE NEW OR MODIFIED EQUIPMENT IS CONSTRUCTED AND OPERATED AS DESCRIBED IN THIS NEW PERMIT. THIS PERMIT TO CONSTRUCT/OPERATE SHALL BECOME INVALID IF THE MODIFICATION AS DESCRIBED IN THE EQUIPMENT DESCRIPTION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE. IF THE MODIFICATION HAS NOT BEEN COMPLETED WITHIN ONE YEAR FROM THE ISSUE DATE OF THE PERMIT, A WRITTEN REQUEST SHALL BE SUBMITTED TO THE AQMD (ATTENTION: RANDY MATSUYAMA) TO REINSTATE THE PREVIOUSLY INACTIVATED PERMIT TO OPERATE. A NEW APPLICATION SHALL BE FILED IF THERE ARE PLANS TO CONTINUE WITH THE MODIFICATION. FURTHERMORE, THIS CONDITION DOES NOT ALLOW ANY TIME EXTENSIONS TO ANY MODIFICATIONS REQUIRED BY THE CALIFORNIA AIR RESOURCES BOARD OR AQMD.
[RULE 461]
4. EXCEPT FOR DIESEL TRANSFERS, PHASE I VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO STORAGE TANKS.
[RULE 461]

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5. EXCEPT FOR DIESEL TRANSFERS, PHASE II VAPOR RECOVERY SYSTEMS SHALL BE IN FULL OPERATION WHENEVER FUEL IS BEING TRANSFERRED INTO MOTOR VEHICLES, AS DEFINED IN RULE 461.
[RULE 461]
6. ALL PHASE I AND PHASE II VAPOR RECOVERY EQUIPMENT AT THIS FACILITY SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET ALL CALIFORNIA AIR RESOURCES BOARD CERTIFICATION REQUIREMENTS.
[RULE 461]
7. NEW EQUIPMENT INSTALLATIONS AND SUBSEQUENT SERVICE AND REPAIRS FOR ANY CERTIFIED COMPONENT FOR WHICH THIS PERMIT WAS ISSUED, SHALL ONLY BE PERFORMED BY A CURRENT AND CERTIFIED PERSON WHO HAS SUCCESSFULLY COMPLETED THE MANUFACTURER'S TRAINING COURSE. COMPLETION OF ANY AQMD TRAINING COURSE DOES NOT CONSTITUTE AS A SUBSTITUTE FOR THIS REQUIREMENT. PROOF OF SUCCESSFUL COMPLETION OF ANY MANUFACTURER TRAINING COURSE SHALL BE WITH THE MANUFACTURER.
[RULE 461]
8. AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO BACK-FILLING ANY UNDERGROUND STORAGE TANK OR PIPING, THE SCAQMD SHALL BE NOTIFIED BY E-MAIL AT R461BACKFILL@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTORS; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE BACK-FILLING PROCEDURE. THE BACK-FILLING PROCEDURE SHALL NOT COMMENCE UNTIL INSPECTED BY A DISTRICT REPRESENTATIVE.
[RULE 461]
9. DEPENDING ON THE SYSTEM CONFIGURATION, A LEAK RATE TEST OF DROP TUBE/DRAIN VALVE ASSEMBLY SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF BOTH THE DROP TUBE AND DRAIN VALVE SEAL OR A LEAK RATE TEST OF DROP TUBE OVERFILL PREVENTION DEVICE AND DRAIN VALVE SHALL BE CONDUCTED TO QUANTIFY THE PRESSURE INTEGRITY OF THE DROP TUBE OVERFILL PREVENTION DEVICE AND THE PRESSURE INTEGRITY OF THE SPILL CONTAINER DRAIN VALVE. EITHER TEST SHALL BE CONDUCTED AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH TEST PROCEDURE METHOD TP-201.1C OR TP-201.1D, RESPECTIVELY. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
10. A LEAK RATE AND CRACKING PRESSURE TEST OF PRESSURE/VACUUM RELIEF VENT VALVES SHALL BE CONDUCTED WITHIN THIRTY DAYS (30) AFTER THE START OF OPERATION OF THE OPW PHASE I EVR EQUIPMENT AND AT LEAST ONCE EVERY THREE (3) YEARS THEREAFTER TO DETERMINE THE PRESSURE AND VACUUM AT WHICH THE PRESSURE/VACUUM VENT VALVE ACTUATES, AND TO DETERMINE THE VOLUMETRIC LEAK RATE AT A GIVEN PRESSURE. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD TP-201.1E. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST. THIS TEST RESULT SHALL BE KEPT ON SITE FOR THREE (3) YEARS AND MADE AVAILABLE TO DISTRICT REPRESENTATIVES UPON

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REQUEST.
[RULE 461]

11. A STATIC TORQUE TEST OF ROTATABLE PHASE I ADAPTORS SHALL BE CONDUCTED TO QUANTIFY THE AMOUNT OF STATIC TORQUE REQUIRED TO START THE ROTATION OF THE ROTATABLE PHASE I ADAPTORS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEST PROCEDURE METHOD OUTLINED IN TP-201.1B AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

12. THE PHASE II VAPOR RECOVERY SYSTEM SHALL BE INSTALLED, OPERATED, AND MAINTAINED SUCH THAT THE MAXIMUM ALLOWABLE PRESSURE THROUGH THE RISER, AND UNDERGROUND PIPING DOES NOT EXCEED THE DYNAMIC BACK PRESSURE DESCRIBED BY THE CALIFORNIA AIR RESOURCES BOARD EXECUTIVE ORDER BY WHICH THE SYSTEM WAS CERTIFIED:

NITROGEN FLOWRATES
(CFH)
60

DYNAMIC BACK PRESSURE
(INCHES OF WATER)
0.50

DYNAMIC BACK PRESSURE TESTS SHALL BE CONDUCTED TO DETERMINE THE PHASE II SYSTEM VAPOR RECOVERY BACK PRESSURES. THE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE TP-201.4, METHODOLOGY 4; AS A PERFORMANCE TEST. THIS TEST SHALL BE A ONE-TIME TEST AND THE RESULTS KEPT PERMANENTLY ON SITE. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TESTS.
[RULE 461]

13. A STATIC PRESSURE LEAK DECAY TEST SHALL BE CONDUCTED TO DEMONSTRATE THAT THE STORAGE TANKS, THE REMOTE AND/OR NOZZLE VAPOR RECOVERY CHECK VALVES, ASSOCIATED VAPOR RETURN PIPING AND FITTINGS ARE FREE FROM VAPOR LEAKS. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH CARB TEST PROCEDURE METHOD TP-201.3 AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE, WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
14. A STATIC PRESSURE PERFORMANCE TEST FOR THE HEALY CLEAN AIR SEPARATOR USING BOTH THE VACUUM DECAY PROCEDURE AND THE POSITIVE PRESSURE PROCEDURE SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TIGHTNESS OF THE TANK PRESSURE MANAGEMENT SYSTEM. THESE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 4 OF CARB EXECUTIVE ORDER VR-201-A AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
15. A VAPOR TO LIQUID VOLUME RATIO TEST SHALL BE CONDUCTED TO QUANTIFY THE VAPOR TO LIQUID (V/L) VOLUMETRIC RATIO OF THE HEALY CLEAN AIR SEPARATOR SYSTEM. THE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH EXHIBIT 5 OF CARB EXECUTIVE ORDER

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VR-201-A AS A PERFORMANCE TEST AND AS A REVERIFICATION TEST. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]

16. A NOZZLE BAG TEST SHALL BE CONDUCTED ON THE HEALY PHASE II EVR NOZZLES TO VERIFY THE INTEGRITY OF THE VAPOR VALVE. THE TEST SHALL BE CONDUCTED ON ANY NEWLY INSTALLED OR REPLACED HEALY PHASE II EVR NOZZLES AND IN ACCORDANCE WITH EXHIBIT 7 OF CARB EXECUTIVE ORDER VR-201-A. RESULTS SHALL BE SUBMITTED TO THE AQMD, OFFICE OF ENGINEERING AND COMPLIANCE WITHIN SEVENTY-TWO (72) HOURS OF TEST.
[RULE 461]
17. THE AQMD SHALL BE NOTIFIED BY E-MAIL AT R461TESTING@AQMD.GOV OR BY FACSIMILE AT TELEPHONE NUMBER (909) 396-3606 AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO ANY OF THE ABOVE MENTIONED TESTING REQUIREMENTS. SUCH NOTIFICATION SHALL INCLUDE THE NAME OF THE OWNER OR OPERATOR; THE NAME OF THE CONTRACTOR; THE LOCATION OF THE FACILITY; AND THE SCHEDULED START AND COMPLETION DATES OF THE TESTS TO BE PERFORMED.
[RULE 461]
18. THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE PROVISION OF 40 CFR, SUBPART CCCCCC.
[40 CFR, SUBPART CCCCCC]

Periodic Monitoring:

19. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(C)(6) CONDUCT A SEMI-ANNUAL INSPECTION OF THE GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE FIRST INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C, THE SECOND INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT D, AND THE SUBSEQUENT INSPECTIONS SHALL ALTERNATE PROTOCOLS. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.
[RULE 3004 (a)(4)]

Emissions And Requirements:

20. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
 - VOC: RULE 461
 - VOC: RULE 1170
 - VOC 40 CFR 63, SUBPART CCCCCC

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PERMIT TO OPERATE

Permit No. D91873
A/N 301007

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. VTS-1710-GI, EMERGENCY ELECTRICAL GENERATION, DIESEL-FUELED, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 760 BHP.

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 CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIME METER SHALL BE MAINTAINED TO INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304 (a)(4), RULE 1110.2, RULE 1470]
5. 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 PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

- 9 THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. D91874
A/N 301008**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL NO. VTA-28-G2, EMERGENCY ELECTRICAL GENERATION, DIESEL-FUELED, 6 CYLINDERS, TURBOCHARGED, AFTERCOOLED, 900 BHP.

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 CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIME METER SHALL BE MAINTAINED TO INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304 (a)(4), RULE 1110.2, RULE 1470]
5. 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 PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. F49031
A/N 387099**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL KTA-38G1, SERIAL NO. 33124481, DIESEL FUEL, TWELVE CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 1135 B.H.P, DRIVING AN EMERGENCY STAND-BY 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 CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIME METER SHALL BE MAINTAINED TO INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[[RULE 1304 (a)(4), RULE 1110.2, RULE 1470]
5. 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 PRIOR TO THE CURRENT YEAR AND 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.

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[RULE 1304(b)(2), RULE 1110.2, RULE 1470]

6. THE OPERATION OF ENGINE BEYOND THE 50 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

Permit No. F49032
A/N 387100

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL LTA10-GI, SERIAL NO. 34984574, DIESEL FUEL, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 380 B.H.P, DRIVING AN EMERGENCY STAND-BY 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 CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIME METER SHALL BE MAINTAINED TO INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 30 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[RULE 1304 (a)(4), RULE 1110.2, RULE 1470]
5. 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 PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 30 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

9. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. F52909
A/N 401098**

Equipment Description:

INTERNAL COMBUSTION ENGINE, CUMMINS, MODEL QST30-G5, SERIAL NO. 37199012, DIESEL FUEL, 12 CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 1490 B.H.P, DRIVING AN EMERGENCY STAND-BY 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 CONDITION AT ALL TIMES.
[RULE 204]
3. A NON-RESETTABLE TIME METER SHALL BE MAINTAINED TO INDICATE THE ELAPSED OPERATING TIME OF THE ENGINE.
[RULE 1304 (a)(4), RULE 1110.2]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR WHICH INCLUDES NOT MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING.
[[RULE 1304 (a)(4), RULE 1110.2, RULE 1470]
5. 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 THREE CALENDAR YEARS PRIOR TO THE CURRENT YEAR AND 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 1304(b)(2), RULE 1110.2, RULE 1470]

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6. THE OPERATION OF ENGINE BEYOND THE 50 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 ELECTRICAL 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 1304(a)(1)-BACT, RULE 1470]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1304(a)(1)-BACT, RULE 1470]
8. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2 AND 1470.
[RULE 431.2, RULE 1470]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. F83385
A/N 431729**

Equipment Description:

SPRAY BOOTH, GREENHECK, MODEL PF-6-7-8, FLOOR TYPE, 6'-0" W.x 8'-0" L.x 7'-0" H., WITH TWELVE FILTERS, EACH 20" X 20" x 2" , AND ONE EXHAUST BLOWER, RATED AT ONE H.P.

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 CONDITION AT ALL TIMES.
[RULE 204]
3. THIS SPRAY BOOTH SHALL NOT BE OPERATED UNLESS ALL EXHAUST AIR PASSES THROUGH FILTER MEDIA AT LEAST TWO INCHES THICK.
[RULE 1303 (a), RULE 212(a)]
4. A GAUGE SHALL BE INSTALLED TO INDICATE THE STATIC PRESSURE DIFFERENTIAL ACROSS THE EXHAUST FILTERS. IN OPERATION, THE PRESSURE DIFFERENTIAL SHALL NOT EXCEED 0.25 INCH OF WATER.
[RULE 1303 (a), RULE 212(a)]
5. MATERIAL SAFETY DATA SHEETS FOR ALL COATINGS, SOLVENTS USED IN THIS EQUIPMENT SHALL BE KEPT CURRENT AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1136, 1171, RULE 1401, RULE 1303 (b)(2)]
6. COATINGS, ADHESIVE, REDUCERS, CLEAN-UP SOLVENTS AND ANY OTHER MATERIALS USED IN THIS EQUIPMENT AT THIS FACILITY SHALL NOT CONTAIN ANY COMPOUND IDENTIFIED AS CARCINOGENIC CONTAMINANTS IN RULE 1401, AS AMENDED ON MAY 3, 2003.
[RULE 1401]
7. THIS EQUIPMENT SHALL COMPLY WITH RULES 1136 AND 1171.
[RULE 1136 AND 1171]
8. THE OPERATOR SHALL COMPLY WITH RULE 109 (RECORDKEEPING FOR VOLATILE ORGANIC COMPOUND EMISSIONS).
[RULE 109]

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9. THE TOTAL QUANTITY OF COATINGS AND SOLVENTS USED IN THIS EQUIPMENT SHALL NOT EXCEED ONE GALLON IN ANY ONE DAY.
[RULE 1136, RULE 1303 (a)-BACT, RULE 1303 (b)(2)-OFFSETS]
10. THE OPEPATOR SHALL KEEP ADEQUATE RECORDS FOR THIS FACILITY TO VERIFY CALENDAR MONTHLY VOLATILE ORGANIC COMPOUND (VOC) EMISSIONS AND VOC CONTENT OF EACH COATING AS APPLIED (INCLUDING WATER AND EXEMPT COMPOUNDS). ALL RECORDS SHALL BE PREPARED IN A FORMAT WHICH IS ACCEPTABLE TO THE DISTRICT DURING THE PRECEDING 12 MONTHS.
[RULE 109, RULE 1303 (b)(2)]

Periodic Monitoring:

11. THE OPERATOR SHALL DETERMINE AND RECORD THE PRESSURE DROP ACROSS THE FILTER MEDIA ONCE EVERY WEEK.
[RULE 3004 (a)(4)]
12. THE OPERATOR SHALL PERFORM A WEEKLY INSPECTION OF THE EQUIPMENT AND FILTER MEDIA FOR LEAKS, BROKEN OR TORN FILTER MEDIA AND IMPROPERLY INSTALLED FILTER MEDIA. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):
- A. THE NAME OF THE PERSON PERFORMING THE INSPECTION AND/OR MAINTENANCE OF THE FILTER MEDIA;
 - B. THE DATE, TIME AND RESULTS OF THE INSPECTION; AND
 - C. THE DATE, TIME AND DESCRIPTION OF ANY MAINTENANCE OR REPAIRS RESULTING FROM THE INSPECTION.
- [RULE 3004 (a)(4)]

Emissions And Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: RULE 109
 - VOC: RULE 1136, SEE APPENDIX B FOR EMISSIONS LIMITS
 - VOC: RULE 1171, SEE APPENDIX B FOR EMISSIONS LIMITS
 - PM: RULE 481
 - PM: RULE 404, SEE APPENDIX B FOR EMISSIONS LIMITS

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PERMIT TO OPERATE

**Permit No. G10076
A/N 503082**

Equipment Description:

INTERNAL COMBUSTION ENGINE, MTU DETROIT DIESEL, MODEL 6063-HK36, DIESEL FUEL, SIX CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 760 B.H.P, 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 CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULES 431.2, RULE AND 1470.
[RULE 431.2, RULE 1470, 40 CFR 61.4207]
4. AN OPERATIONAL NON RESETTABLE TOTALIZING TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1304 (a)(4), RULE 1110.2, RULE 1470, 40 CFR 61.4209 (a)]
5. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1304 (a), RULE 1303 (b)(2), RULE 1110.2, RULE 1470, 40 CFR 61.4211 (f)]
6. THE OPERATION OF THE ENGINE BEYOND THE 50 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 ELECTRICAL 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 1470]

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7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
8. 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 MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION
[RULE 1304 (a), RULE 1110.2, RULE 1470, 40 CFR 61.4214 (b)]
9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- A. THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
 - B. THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST
[RULE 1110.2, RULE 1303 (b)(2)]
10. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]
11. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.
[40 CFR 60.4211(a)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

PM: RULE 1470

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PERMIT TO OPERATE

**Permit No. G13992
A/N 516319**

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 1, CATERPILLAR, MODEL 3516C-DITA, DIESEL FUEL, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 3622 B.H.P, WITH A DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT22-S-BITO-CS-RT AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2, 40 CFR 61.4207]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 61.4211 (f)]
5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES 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]

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6. AN OPERATIONAL NON-RESETTABLE ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 61.4209 (a)]
7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
8. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
 - a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470, 40 CFR 61.4214 (b)]
9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:

THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND

THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.

THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]
11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]
12. THE PRESSURE DROP DIFFERENTIAL ACROSS THE DIESEL PARTICULATE FILTER SHALL NOT EXCEED 20 INCHES W.C.
[RULE 1303 (a)]

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13. THE DATA LOGGING AND ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUTDOWN THE ENGINE OR SWITCH IT TO POWER DE-RATING MODE WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING SPECIFIED BY THE FILTER MANUFACTURER.
[RULE 1303 (a)]
14. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 464 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE OR 5 HOURS AT 572 DEGREE FAHRENHEIT AFTER EVERY 200 CONSECUTIVE HOURS BELOW 464 DEGREE FAHRENHEIT.
[RULE 1303 (a)]
15. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 720 CONSECUTIVE MINUTES.
[RULE 1303 (a)]
16. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]
17. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD ENGINE START-UPS OR WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM, WHICHEVER OCCURS FIRST. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]
18. AFTER EVERY 8,000 HOURS OF NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND, IF NECESSARY, REPLACE IT.
[RULE 1303 (a)]
19. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]
20. THE OPERATOR SHALL KEEP RECORDS OF ANY CORRECTIVE ACTION TAKEN AFTER THE BACKPRESSURE MONITOR HAS NOTIFIED THE OPERATOR THAT THE BACKPRESSURE LIMIT OF THE ENGINE IS APPROACHED.
[40 CFR 60.4214 (c)]
21. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST

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BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.
[40 CFR 60.4211(c)]

22. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.
[40 CFR 60.4211(a)]

Emissions And Requirements:

23. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. G13993
A/N 516320**

Equipment Description:

INTERNAL COMBUSTION ENGINE, NO. 2, CATERPILLAR, MODEL 3516C-DITA, DIESEL FUEL, SIXTEEN CYLINDERS, TURBOCHARGED AND AFTERCOOLED, RATED AT 3622 B.H.P, WITH A DIESEL PARTICULATE FILTER, JOHNSON MATTHEY, MODEL CRT22-S-BITO-CS-RT AND CRTDM DIAGNOSTIC MODULE AND DATA LOGGING AND ALARM SYSTEM, DRIVING AN EMERGENCY ELECTRICAL GENERATOR.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[204]
3. THIS ENGINE SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF RULE 431.2 AND RULE 1470.
[RULE 1470, RULE 431.2, 40 CFR 61.4207]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING AND NO MORE THAN 4.2 HOURS IN ANY ONE MONTH FOR MAINTENANCE AND TESTING.
[RULE 1110.2, RULE 1303 (a), 40 CFR 61.4211 (f)]
5. OPERATING BEYOND THE 50 HOURS PER YEAR ALLOTTED FOR MAINTENANCE AND TESTING PURPOSES 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]
6. AN OPERATIONAL NON-RESETTING ELAPSED TIME METER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 61.4209 (a)]

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7. 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 SO BY THE UTILITY OR THE GRID OPERATOR.
[RULE 1470]
8. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED, DOCUMENTING THE TOTAL TIME THE ENGINE IS OPERATED EACH MONTH AND SPECIFIC REASON FOR OPERATION AS:
- a. EMERGENCY USE.
 - b. MAINTENANCE AND TESTING.
 - c. OTHER (DESCRIBE THE REASON FOR OPERATING).
 - d. IN ADDITION, EACH TIME THE ENGINE IS MANUALLY STARTED, THE LOG SHALL INCLUDE THE DATE OF OPERATION, THE SPECIFIC REASON FOR OPERATION, AND THE TOTALIZING HOUR METER READING (IN HOURS AND TENTHS OF HOURS) AT THE BEGINNING AND END OF OPERATION.
[RULE 1303 (b)(2), RULE 1470, 40 CFR 61.4214 (b)]
9. ON OR BEFORE JANUARY 15TH OF EACH YEAR, THE OPERATOR SHALL RECORD IN THE ENGINE OPERATING LOG THE FOLLOWING:
- THE TOTAL HOURS OF OPERATION FOR THE PREVIOUS CALENDAR YEAR, AND
- THE TOTAL HOURS OF ENGINE OPERATION FOR MAINTENANCE AND TESTING FOR THE PREVIOUS CALENDAR YEAR.
- THE ENGINE OPERATING LOG SHALL BE RETAINED ON SITE FOR A MINIMUM OF FIVE CALENDAR YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR REPRESENTATIVE UPON REQUEST.
[RULE 1303 (b)(2)]
10. THIS ENGINE SHALL NOT BE OPERATED UNLESS ITS EXHAUST IS VENTED TO THE DIESEL PARTICULATE FILTER WHICH SHALL BE IN FULL OPERATION AND IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 1303 (a)]
11. THE OPERATOR SHALL NOT OPERATE THE DIESEL PARTICULATE FILTER SYSTEM WITHOUT AN CTRdm MODULE. THE MODULE CONSIST OF OPERATIONAL DATA LOGGING OF EXHAUST TEMPERATURE, BACKPRESSURE AND ALARM SYSTEM.
[RULE 1303 (a)]
12. THE PRESSURE DROP DIFFERENTIAL ACROSS THE DIESEL PARTICULATE FILTER SHALL NOT EXCEED 20 INCHES W.C.
[RULE 1303 (a)]
13. THE DATA LOGGING AND ALARM SYSTEM SHALL BE PROGRAMMED TO INTERFACE WITH THE ENGINE CONTROL SYSTEM TO AUTOMATICALLY SHUTDOWN THE ENGINE OR SWITCH IT TO POWER DE-RATING MODE WHENEVER THE BACKPRESSURE OF THE DIESEL PARTICULATE

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FILTER SYSTEM EXCEEDS THE MAXIMUM BACKPRESSURE SETTING SPECIFIED BY THE FILTER MANUFACTURER.

[RULE 1303 (a)]

14. THE DIESEL ENGINE SHALL OPERATE AT AN ENGINE DUTY CYCLE REQUIRED TO ACHIEVE 464 DEGREE FAHRENHEIT OR ABOVE IN THE EXHAUST GAS STREAM FOR 40% OF THE DUTY CYCLE OR 5 HOURS AT 572 DEGREE FAHRENHEIT AFTER EVERY 200 CONSECUTIVE HOURS BELOW 464 DEGREE FAHRENHEIT.
[RULE 1303 (a)]
15. THIS ENGINE SHALL NOT BE OPERATED IN IDLE MODE FOR MORE THAN 720 CONSECUTIVE MINUTES.
[RULE 1303 (a)]
16. THE TEMPERATURE OF THE ENGINE EXHAUST GAS AT THE INLET TO THE DIESEL PARTICULATE FILTER SYSTEM SHALL BE GREATER THAN OR EQUAL TO 464 DEGREES FAHRENHEIT EXCEPT DURING START-UP.
[RULE 1303 (a)]
17. THE OPERATOR SHALL REGENERATE THE DIESEL PARTICULATE FILTER AFTER EVERY 24 COLD ENGINE START-UPS OR WHENEVER WARNING SIGNAL IS RECEIVED FROM THE ALARM SYSTEM, WHICHEVER OCCURS FIRST. IN ORDER TO ACHIEVE FILTER REGENERATION, THE OPERATOR SHALL RUN THE ENGINE UNTIL THE EXHAUST TEMPERATURE EXCEEDS 464 DEGREES FAHRENHEIT AND THE BACKPRESSURE MONITORING SYSTEM INDICATES A NORMAL BACKPRESSURE READING.
[RULE 1303 (a)]
18. AFTER EVERY 8,000 HOURS OF NORMAL ENGINE OPERATION, THE OPERATOR SHALL INSPECT THE INTEGRITY OF THE FILTER AND, IF NECESSARY, REPLACE IT.
[RULE 1303 (a)]
19. THE OPERATOR SHALL KEEP RECORDS OF PARTICULATE FILTER INSPECTIONS, REPLACEMENTS AND MANUAL REGENERATIONS. THE OPERATOR SHALL MAINTAIN THESE RECORDS FOR A MINIMUM OF FIVE YEARS AND MAKE THEM AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 1303 (a)]
20. THE OPERATOR SHALL KEEP RECORDS OF ANY CORRECTIVE ACTION TAKEN AFTER THE BACKPRESSURE MONITOR HAS NOTIFIED THE OPERATOR THAT THE BACKPRESSURE LIMIT OF THE ENGINE IS APPROACHED.
[40 CFR 60.4214 (c)]
21. THE OPERATOR SHALL COMPLY WITH THE EMISSION STANDARDS SPECIFIED IN 40 CFR 60.4205(b) BY PURCHASING AN ENGINE CERTIFIED TO THE EMISSION STANDARDS IN 40 CFR 60.4205(b), AS APPLICABLE, FOR THE SAME MODEL YEAR AND MAXIMUM ENGINE POWER. THE ENGINE MUST BE INSTALLED AND CONFIGURED ACCORDING TO THE MANUFACTURER'S EMISSION RELATED SPECIFICATIONS.

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[40 CFR 60.4211(c)]

22. THE OPERATOR SHALL OPERATE AND MAINTAIN THE STATIONARY ENGINE AND CONTROL DEVICE ACCORDING TO THE MANUFACTURER'S WRITTEN EMISSION-RELATED INSTRUCTIONS (OR PROCEDURES DEVELOPED BY THE OPERATOR THAT ARE APPROVED BY THE ENGINE MANUFACTURER), CHANGE ONLY THOSE EMISSION-RELATED SETTINGS THAT ARE PERMITTED BY THE MANUFACTURER, AND MEET THE REQUIREMENTS OF 40 CFR 89, 94 AND/OR 1068, AS THEY APPLY.

[40 CFR 60.4211(a)]

Emissions And Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS

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PERMIT TO OPERATE

**Permit No. G36224
A/N 560589**

Equipment Description:

Internal combustion engine, building 125, Cummins, model no. QSB-G5 NR3, diesel-fueled, six cylinders, four cycle, turbocharged and aftercooled, rated at 324 bhp, with an diesel particulate filter, Johnson Matthey, model crt(+)-2-n-bitocs-6-lp and crtdm diagnostic module and data logging and alarm system, model crt, driving an emergency electrical generator.

Conditions:

1. Operation of this equipment shall be conducted in compliance 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 condition at all times.
[RULE 204]
3. This engine shall comply with all applicable requirements of Rule 431.2 and Rule 1470.
[RULE 1470, RULE 431.2]
4. This engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing.
[RULE 1110.2, RULE 1303 (a), RULE 1470, 40 CFR 60.4211 (f)]
5. This engine shall not be operated more than 8 hours in any one calendar month for maintenance and testing.
[Rule 1303 (b)(2), Rule 1313]
6. Operating beyond the 50 hours per year allotted for maintenance and testing purposes 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]
7. An operational non-resettable elapsed time meter shall be installed and maintained to indicate the engine elapsed operating time.
[RULE 1110.2, RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4209 (a)]
8. 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 by the utility or the grid operator.

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[RULE 1470]

9. An engine operating log shall be kept and maintained, documenting the total time the engine is operated each month and specific reason for operation as:

- A. Emergency use.
- B. Maintenance and testing.
- C. Other (describe the reason for operating).
- D. in addition, each time the engine is manually started, the log shall include the date of operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths of hours) at the beginning and end of operation.

[RULE 1303 (b)(2), RULE 1470, 40 CFR 60.4214 (b)]

10. On or before January 15th of each year, the operator shall record in the engine operating log the following:

- A. The total hours of operation for the previous calendar year, and
- B. The total hours of engine operation for maintenance and testing for the previous calendar year.
- C. The engine operating log shall be retained on site for a minimum of five calendar years and shall be made available to the executive officer or representative upon request.

[RULE 1303 (b)(2)]

11. This engine shall not be operated unless its exhaust is vented to the diesel particulate filter which shall be in full operation and in good operating condition at all times.

[RULE 1303(a)]

12. The operator shall not operate the diesel particulate filter system without a CTRdm module. The module consists of operational data logging of exhaust temperature, backpressure and alarm system.

[RULE 1303 (a), RULE 1470]

13. The maximum back pressure of the engine shall not exceed 40 inches W.C.

[RULE 1303 (a), Rule 1470]

14. The operator shall install and maintain a pressure gauge (display reading shall be readily available) to accurately indicate the back pressure of the engine (electronic display is acceptable). The display of the pressure gauge shall be in inches of water column (W.C.) or inches mercury (IN. HG).

[RULE 1303 (a), RULE 1470, 40 CFR 60.4209 (b)]

15. For filter regeneration, this engine must operate at the load level required to achieve 240 degrees Celsius for a minimum 40% of the engines operating time.

[RULE 1303 (a), Rule 1470]

16. This engine shall not be operated in idle mode for more than 720 consecutive minutes.

[RULE 1303 (a), Rule 1470]

17. The operator shall regenerate the diesel particulate filter whenever a warning signal is received from the alarm system. In order to achieve filter regeneration, the operator shall run the engine until the exhaust temperature exceeds 464 degrees Fahrenheit and the backpressure monitoring system indicates a normal backpressure reading.

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[Rule 1470, Rule 1303 (a)]

18. Regeneration of the catalyst shall be performed after 24 cold start-ups with 30-minute idle sessions.
[RULE 1470, Rule 1303 (a)]
19. After every six months or 1000 hours of normal engine operation, whichever is sooner, the operator shall inspect the integrity of the filter and determine if the filter needs to be cleaned.
[RULE 1470, Rule 1303 (a)]
20. Sulfur content of diesel fuel supplied to the engine shall not exceed 15 ppm by weight.
[RULE 1303 (a), RULE 431.2, Rule 1470, 40 CFR 60.4207 (b)]
21. Removal of the diesel particulate filter's filter media for cleaning may only occur under the following conditions:
 - A. The internal combustion engine shall not be operated for maintenance and testing or any other non-emergency use while the diesel particulate filter media is removed; and
 - B. The diesel particulate filter media shall be returned and re-installed within 10 working days from the date of removal; and
 - C. The owner or operator shall maintain records indicating the date(s) the diesel particulate filter media was removed for cleaning and the date(s) the filter media was re-installed. Records shall be retained for a minimum period of five years.
[RULE 1470]
22. The operator shall keep records of any corrective action taken after the backpressure monitor has notified the operator that the backpressure limit of the engine is approached
[40 CFR 60.4214 (c)]
23. The operator shall comply with the emission standards specified in 40 CFR 60.4205(b) by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission related specifications.
[40 CFR 60.4211(c)]
24. The operator shall operate and maintain the stationary engine and control device according to the manufacturer's written emission-related instructions (or procedures developed by the operator that are approved by the engine manufacturer), change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply.
[40 CFR 60.4211(a)]
25. Filter cleaning is required after 150 half-hour cold starts with associated regenerations or 1000 hours of emergency use. The CRTdM, which monitors engine exhaust back pressure and temperature will determine the actual cleaning interval and provide an alert when filter cleaning is required
[Rule 1470, Rule 1303 (a)].
26. The equipment shall comply with the CARB executive order de-08-009-06
[RULE 1470, Rule 1303 (a)]

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27. This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[RULE 205]

Emissions And Requirements:

28. This equipment is subject to the applicable requirements of the following rules and regulations:

| | |
|-----------------------|--|
| PM: | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| NO _x +VOC: | 4.8 G/BHP-HR, RULE 1303 (a), Rule 1703 (a), 40 CFR 60.4205 (b) |
| CO: | 2.6 G/BHP-HR, RULE 1703 (a), 40 CFR 60.4205 (b) |
| PM | 0.01 G/BHP-HR, RULE 1303 (a), RULE 1470, 40 CFR 60.4205 (b) |
| PM | 0.15 G/BHP-HR, 40 CFR 60.4205 (b) |

**FACILITY PERMIT TO OPERATE
US GOVT, VETERANS AFFAIRS MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. G36225
A/N 560591**

Equipment Description:

Internal combustion engine, building 133, Cummins, model no. QSXI5-G9, diesel-fueled, six cylinders, four cycle, turbocharged and aftercooled, rated at 755 bhp, with an diesel particulate filter, Johnson Matthey, model crt(+)-h-bito-cs-10-lp and crtdm diagnostic module and data logging and alarm system, model crt, driving an emergency electrical generator.

Conditions:

1. Operation of this equipment shall be conducted in compliance 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 condition at all times.
[Rule 204]
3. This engine shall comply with all applicable requirements of Rule 431.2 and Rule 1470.
[Rule 1470, Rule 431.2]
4. This engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing.
[Rule 1110.2, Rule 1303 (a), Rule 1470, 40 CFR 60.4211 (f)]
5. This engine shall not be operated more than 8 hours in any one calendar month for maintenance and testing.
[Rule 1313, Rule 1303 (b)(2)]
6. Operating beyond the 50 hours per year allotted for maintenance and testing purposes 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]
7. An operational non-resettable elapsed time meter shall be installed and maintained to indicate the engine elapsed operating time.
[Rule 1110.2, Rule 1303 (b)(2), Rule 1470, 40 CFR 60.4209 (a)]
8. 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 by the utility or the grid operator.

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

[Rule 1470]

9. An engine operating log shall be kept and maintained, documenting the total time the engine is operated each month and specific reason for operation as:
 - A. Emergency use.
 - B. Maintenance and testing.
 - C. Other (describe the reason for operating).
 - D in addition, each time the engine is manually started, the log shall include the date of operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths of hours) at the beginning and end of operation.
[Rule 1303 (b)(2), Rule 1470, 40 CFR 60.4214 (b)]

10. On or before January 15th of each year, the operator shall record in the engine operating log the following:
 - A. The total hours of operation for the previous calendar year, and
 - B. The total hours of engine operation for maintenance and testing for the previous calendar year.
 - C. The engine operating log shall be retained on site for a minimum of five calendar years and shall be made available to the executive officer or representative upon request.
[Rule1303 (b)(2)]

11. This engine shall not be operated unless its exhaust is vented to the diesel particulate filter which shall be in full operation and in good operating condition at all times.
[Rule 1303(a)]

12. The operator shall not operate the diesel particulate filter system without an CTRdm module. The module consists of operational data logging of exhaust temperature, backpressure and alarm system.
[Rule 1303 (a), Rule 1470]

13. The maximum back pressure of the engine shall not exceed 41 inches W.C.
[Rule 1303 (a), Rule 1470]

14. The operator shall install and maintain a pressure gauge (display reading shall be readily available) to accurately indicate the back pressure of the engine (electronic display is acceptable). The display of the pressure gauge shall be in inches of water column (W.C.) or inches mercury (IN. HG).
[RULE 1303 (a), RULE 1470, 40 CFR 60.4209 (b)]

15. For filter regeneration, this engine must operate at the load level required to achieve 240 degrees Celsius for a minimum 40% of the engines operating time.
[RULE 1303 (a), Rule 1470]

16. This engine shall not be operated in idle mode for more than 720 consecutive minutes.
[RULE 1303 (a), Rule 1470]

17. The operator shall regenerate the diesel particulate filter whenever a warning signal is received from the alarm system. In order to achieve filter regeneration, the operator shall run the engine until the exhaust temperature exceeds 464 degrees Fahrenheit and the backpressure monitoring system indicates a normal backpressure reading.

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[Rule 1470, Rule 1303 (a)]

18. Regeneration of the catalyst shall be performed after 24 cold start-ups with 30-minute idle sessions.
[Rule 1470, Rule 1303 (a)]
19. After every six months or 1000 hours of normal engine operation, whichever is sooner, the operator shall inspect the integrity of the filter and determine if the filter needs to be cleaned.
[Rule 1470, Rule 1303 (a)]
20. Sulfur content of diesel fuel supplied to the engine shall not exceed 15 ppm by weight.
[Rule 1303 (a), Rule 1470, RULE 431.2, 40 CFR 60.4207 (b)]
21. Removal of the diesel particulate filter's filter media for cleaning may only occur under the following conditions:
 - A. The internal combustion engine shall not be operated for maintenance and testing or any other non-emergency use while the diesel particulate filter media is removed; and
 - B. The diesel particulate filter media shall be returned and re-installed within 10 working days from the date of removal; and
 - C. The owner or operator shall maintain records indicating the date(s) the diesel particulate filter media was removed for cleaning and the date(s) the filter media was re-installed. Records shall be retained for a minimum period of five years.
[Rule 1470]
22. The operator shall keep records of any corrective action taken after the backpressure monitor has notified the operator that the backpressure limit of the engine is approached
[40 CFR 60.4214 (c)]
23. The operator shall comply with the emission standards specified in 40 CFR 60.4205(b) by purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission related specifications.
[40 CFR 60.4211(c)]
24. The operator shall operate and maintain the stationary engine and control device according to the manufacturer's written emission-related instructions (or procedures developed by the operator that are approved by the engine manufacturer), change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply.
[40 CFR 60.4211(a)]
25. Filter cleaning is required after 150 half-hour cold starts with associated regenerations or 1000 hours of emergency use. The CRTdM, which monitors engine exhaust back pressure and temperature will determine the actual cleaning interval and provide an alert when filter cleaning is required.
[Rule 1303 (a), Rule 1470]
26. The equipment shall comply with the CARB executive order de-08-009-06
[Rule 1470]

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

27. This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[RULE 205]

Emissions And Requirements:

28. This equipment is subject to the applicable requirements of the following rules and regulations:

| | |
|-----------------------|--|
| PM: | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.075 G/BHP-HR, RULE 1470 |
| NO _x +VOC: | 4.8 G/BHP-HR, RULE 1303 (a), Rule 1703 (a), 40 CFR 60.4205 (b) |
| CO: | 2.6 G/BHP-HR, RULE 1703 (a), 40 CFR 60.4205 (b) |
| PM | 0.011 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b) |
| PM | 0.15 G/BHP-HR, 40 CFR 60.4205 (b) |

**FACILITY PERMIT TO OPERATE
US GOVT, VETERANS AFFAIRS MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. G36226
A/N 560592**

Equipment Description:

Internal combustion engine, on site portable, Mitsubishi, model no. S6R-Y2PTAW-1, diesel-fueled, six cylinders, four cycle, turbocharged and aftercooled, rated at 918 bhp, with a diesel particulate filter, Miratech LTR model ltr20-20-10-xr1 and diagnostic module and data logging and alarm system, driving an emergency electrical generator.

Conditions:

1. Operation of this equipment shall be conducted in compliance 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 condition at all times.
[Rule 204]
3. This engine shall comply with all applicable requirements of rule 431.2 and rule 1470.
[Rule 1470, Rule 431.2]
4. This engine shall not be operated more than 200 hours in any one year, which includes no more than 50 hours in any one year for maintenance and testing.
[Rule 1110.2, Rule 1303 (a), Rule 1470, 40 CFR 60.4211 (f)]
5. This engine shall not be operated more than 8 hours in any one calendar month for maintenance and testing.
[Rule 1313, Rule 1303 (b)(2)]
6. Operating beyond the 50 hours per year allotted for maintenance and testing purposes 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]
7. An operational non-resettable elapsed time meter shall be installed and maintained to indicate the engine elapsed operating time.
[Rule 1110.2, Rule 1303 (b)(2), Rule 1470, 40 CFR 60.4209 (a)]
8. 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 by the utility or the grid operator.

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[RULE 1470]

9. An engine operating log shall be kept and maintained, documenting the total time the engine is operated each month and specific reason for operation as:
 - A. Emergency use.
 - B. Maintenance and testing.
 - C. Other (describe the reason for operating).
 - D. in addition, each time the engine is manually started, the log shall include the date of operation, the specific reason for operation, and the totalizing hour meter reading (in hours and tenths of hours) at the beginning and end of operation.
[Rule 1303 (b)(2), Rule 1470, 40 CFR 60.4214 (b)]

10. On or before January 15th of each year, the operator shall record in the engine operating log the following:
 - A. The total hours of operation for the previous calendar year, and
 - B. The total hours of engine operation for maintenance and testing for the previous calendar year.
 - C. The engine operating log shall be retained on site for a minimum of five calendar years and shall be made available to the executive officer or representative upon request.
[Rule 1303 (b)(2)]

11. This engine shall not be operated unless its exhaust is vented to the diesel particulate filter which shall be in full operation and in good operating condition at all times.
[Rule 1303(a)]

12. The operator shall not operate the diesel particulate filter system without a diagnostic module. The module consists of operational data logging of exhaust temperature, backpressure and alarm system.
[Rule 1303 (a), Rule 1470]

13. The maximum back pressure of the engine shall not exceed 24 inches W.C.
[Rule 1303 (a), Rule 1470]

14. The operator shall install and maintain a pressure gauge (display reading shall be readily available) to accurately indicate the back pressure of the engine (electronic display is acceptable). The display of the pressure gauge shall be in inches of water column (W.C.) or inches mercury (IN. HG).
[Rule 1303 (a), Rule 1470, 40 CFR 60.4209 (b)]

15. For filter regeneration, The minimum exhaust temperature of the engine shall operate at load level required to achieve 260 degrees Celsius for a minimum 45 minutes.
[RULE 1303 (a), Rule 1470]

16. This engine shall not be operated in idle mode for more than 720 consecutive minutes.
[RULE 1303 (a), Rule 1470]

17. Regeneration of the catalyst shall be performed after 18 cold start-ups and 40-minute idle sessions.
[RULE 1470, Rule 1303 (a)]

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18. After 2000 hours of normal engine operation, the operator shall inspect the integrity of the filter and determine if the filter needs to be cleaned.
[Rule 1470]
19. Sulfur content of diesel fuel supplied to the engine shall not exceed 15 ppm by weight.
[Rule 1303 (a), Rule 431.2, 40 CFR 60.4207 (b)]
20. Removal of the diesel particulate filter's filter media for cleaning may only occur under the following conditions:
 - A. The internal combustion engine shall not be operated for maintenance and testing or any other non-emergency use while the diesel particulate filter media is removed; and
 - B. The diesel particulate filter media shall be returned and re-installed within 10 working days from the date of removal; and
 - C. The owner or operator shall maintain records indicating the date(s) the diesel particulate filter media was removed for cleaning and the date(s) the filter media was re-installed. Records shall be retained for a minimum period of five years.
[RULE 1470]
21. The operator shall keep records of any corrective action taken after the backpressure monitor has notified the operator that the backpressure limit of the engine is approached
[40 CFR 60.4214 (c)]
22. The operator shall comply with the emission standards specified in 40 CFR 60.4205(b) BY purchasing an engine certified to the emission standards in 40 CFR 60.4205(b), as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's emission related specifications.
[40 CFR 60.4211(c)]
23. The operator shall operate and maintain the stationary engine and control device according to the manufacturer's written emission-related instructions (or procedures developed by the operator that are approved by the engine manufacturer), change only those emission-related settings that are permitted by the manufacturer, and meet the requirements of 40 CFR 89, 94 and/or 1068, as they apply.
[40 CFR 60.4211(a)]
24. This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[Rule 205]
25. The equipment shall comply with the CARB executive order DE-14-005
[Rule 1470]

Emissions And Requirements:

26. This equipment is subject to the applicable requirements of the following rules and regulations:

| | |
|-----|--|
| PM: | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.075 G/BHP-HR, RULE 1470 |

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

| | |
|-----------------------|--|
| NO _x +VOC: | 4.8 G/BHP-HR, RULE 1303 (a), Rule 1703 (a), 40 CFR 60.4205 (b) |
| CO: | 2.6 G/BHP-HR, RULE 1703 (a), 40 CFR 60.4205 (b) |
| PM | 0.016 G/BHP-HR, RULE 1303 (a), 40 CFR 60.4205 (b) |
| PM | 0.15 G/BHP-HR, 40 CFR 60.4205 (b) |

**FACILITY PERMIT TO OPERATE
US GOVT, VETERANS AFFAIRS MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. G36227
A/N 562448**

Equipment Description:

Boiler, no. 1, located at the physical plant, water tube, Simoneau, model type FX2-35, natural gas with fuel oil standby fuel, with one combustion low NOx burner, Webster, model HDSX, rated at 39,900,000 btu per, a 75 h.p. combustion air blower.

Conditions:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 202]
2. This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
3. This equipment while firing only on natural gas shall not be operated unless it is vented to an air pollution control system which is in full use and has been issued a permit by the executive officer.
[Rule 1303 (a)(1), Rule 1146]
4. This equipment shall comply with Rule 1146.
[Rule 1146]
5. The operator of this equipment shall comply with source testing requirements in subdivision (d)(6)—
compliance determination of Rule 1146.
[Rule 1146]
6. The operator of this equipment shall comply with periodic monitoring requirements of Rule 1146 (d)(8) and (d)(9).
[RULE 1146]
7. In addition to the periodic monitoring in Rule 1146, the operator of this equipment shall comply with the following:
 - A. Measure NOx with a portable combustion gas analyzer at least once each week of operation for the first calendar quarter after initial startup of the equipment or after occurrence of item D below. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
 - B. Provided measurements indicate NOx concentrations of 5 ppmv or less (at 3% O2), measure NOx with a portable combustion gas analyzer at least once each two weeks of operation for the second calendar quarter of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.

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- C. Provided measurements indicate NO_x concentrations of 5 ppmv or less (at 3% O₂), measure NO_x with a portable combustion gas analyzer at least once every calendar month of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
- D. If any single NO_x measurement indicates NO_x concentrations of greater than 5 ppmv (at 3% O₂), then restart the NO_x portable analyzer testing per section A of this permit condition, and report to the SCAQMD per Section K, condition 22.
- E. The portable combustion gas analyzer used for measuring the NO_x concentrations in this condition shall follow the "Protocol for Periodic Monitoring of Nitrogen Oxides, Carbon Monoxide, and Oxygen from Units Subject to South Coast Air Quality Management District Rules 1146 and 1146.1" per Rule 1146 section (d)(8).
[Rule 204, Rule 212 (a)]
8. This boiler shall emit no more than 5 ppm for Oxides of Nitrogen (NO_x) measured by volume on a dry basis at 3% oxygen averaged over a period of 15 consecutive minutes when firing on natural gas. This condition shall not apply during a cold start-up of the boiler not to exceed 120 minutes. A cold start is defined as the process to bring the boiler water temperature from ambient to an operating temperature of 338 F and 100 psi. A warm start is defined as the process to bring a warm boiler back to operating temperature of 328 F and 100 psi. Warm start will not exceed 30 minutes from the initial burner restart. The 5 ppmv NO_x shall apply in all cases when the boiler exhaust reaches 400 F or greater (as measured at the outlet of the SCR).
[RULE 1703(a)(2), RULE 1146]
9. Emissions of NO_x shall not exceed 40 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes whenever this equipment is fired with oil.
[RULE 1703(a)(2), Rule 1146]
10. Emissions of CO shall not exceed 100 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes.
[RULE 1703(a)(2)]
11. The boiler shall be fired on natural gas. Fuel oil use is restricted to periods of natural gas curtailment, natural gas supply emergencies, maintenance testing or periodic testing. Periodic testing of fuel oil shall not exceed a combined total of 48 hours during any one calendar year.
[Rule 1303 (a)(1), 40 CFR 63.11237]
12. Fuel oil supplied to the burner shall be no. 2 or a lighter grade as described by the latest ASTM specifications and shall contain less than 0.05 percent sulfur by weight if purchased prior to 6/1/04 and less than 15 ppm sulfur by weight if purchased on or after 6/1/04.
[Rule 431.2, 40 CFR 60.42c(D)]
13. Material safety data sheets (MSDS) for the fuel oil purchased in this equipment, the MSDS shall include the minimum information, name of oil supplier, the maximum sulfur content of the fuel oil. This information shall be kept current and made available to District personnel upon request.
[40 CFR 60.48c(f) , 40 CFR 60.42c(h)(1)]
14. The operator shall record and maintain the amount of natural gas combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request.
[40 CFR 60.48c(g)(2), Rule 1146, Rule 1303 (b)(2)]

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15. This boiler shall be equipped with a non-resettable, totalizing flow meter for each fuel to be burned.
[40 CFR 60.48c(g)(2), RULE 1313(g), , Rule 1303 (b)(2), RULE 1146]
16. Whenever the boiler is operated on fuel oil, monthly calendar and calendar year, records shall be maintained for the boiler and shall include the following. (1) the date. (2) the reason the boiler was operated on fuel oil. (3) the hours of operation on fuel oil (4) amount of fuel oil used. All records shall be, (1) recorded in a manner which has been approved in writing by the executive officer, (2) kept for at least five years, and (3) made available to SCAQMD personnel upon request.
[Rule 1146, 40 CFR 63.11237, 40 CFR 60.48c(g)(2)]
17. The operator shall record and maintain the amount of all fuel combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request.
[40 CFR 60.48c(g)(2)]
18. The operator shall limit the fuel usage to no more than 0.038 mmcf in any one hour.

For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1146]
19. The operator shall limit the fuel usage to no more than 28.27 mmcf in any one month.

For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1303 (b)(2), Rule 1313(g)]
20. For this equipment which will be a replacement, in whole or part, for an existing boiler on the same or contiguous property, a maximum of 90 days may be allowed as a start-up period for simultaneous operation of the subject sources.
Rule 1304 (a)(1), Rule 1313 (d)]
21. The owner or operator of the equipment shall conduct a source test under the following conditions:
 - A. Source testing shall be conducted within 180 days of start of boiler operations with SCR.
 - B. The source test shall be done to verify compliance with the 5 ppmv NH₃ slip, 5 PPMV NO_x firing on natural gas, 40 ppmv NO_x firing on fuel oil and 100 ppmv CO BACT limits.
 - C. The ammonia source tests shall be conducted in accordance with SCAQMD method 207.1 for ammonia slip
 - D. The NO_x and CO source tests shall be conducted in accordance with SCAQMD method 100.1.
 - E. The test shall be conducted for 15 minutes for each load, while firing natural gas and fuel oil at maximum, minimum and low firing rates.

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- F. Two complete copies of source test reports (include the application number and a copy of the permit in the report) shall be submitted to the district (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765). The results in writing shall be submitted within 45 days after the source test is completed. It shall include, but not limited to emissions rate in pounds per hour and concentration in ppmv at the outlet of the boiler.
 - G. A testing laboratory certified by the SCAQMD laboratory approval program (LAP) in the required test methods for criteria pollutant to be measured, and in compliance with District rule 304 (no conflict of interest) shall conduct the test
 - H. Sampling facilities shall comply with the SCAQMD "guidelines for construction of sampling and testing facilities", pursuant to Rule 217.
[Rule 1146, Rule 1303 (a)(1), Rule 1703 (a)(2)]
- 21 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[Rule 205]

Periodic Monitoring:

- 22 The operator shall conduct an inspection for visible emission from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall either:
- A. Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in the same fashion as deviations are required to be reported in section K of this permit; or
 - B. 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 SCAQMD.
- In addition, the operator shall keep the records in accordance with the recordkeeping requirements in section k of this permit and the following records:
- A. Stack or emission point identification;
 - B. Description of any corrective actions taken to abate visible emissions;
 - C. Date and time visible emission was abated; and
 - D. Visible emission observation recorded by a certified smoke reader.
[Rule 3004 (a)(4)]
- 23 If annual fuel oil usage exceeds 2,000,000 gallons in any one year, then the operator shall determine compliance with the particulate matter (pm) emission limit(s) by conducting a source test at least once every five years using SCAQMD method 5.2 . The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with rule 409 limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections e and k of this permit.

For the purpose of determining compliance with Rule 409 Limit, the emissions shall be measured and averaged over a 60 minute time period.

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The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage.

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

A. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

24. For units with a heat input greater than 10 mmbtu/hr and annual oil usage greater than 1,000,000 gallons or greater than 336 hours of operation, but do not exceed 2,000,000 gallons in any one year. The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage.

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

A. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

Emissions And Requirements:

25. This equipment is subject to the applicable requirements of the following Rules and Regulations:

CO: 2000 PPMV, Rule 407
SOX: 500 PPMV Fuel Oil, Rule 409
PM: 0.1 GR/SCF, Rule 409
CO: 400 PPMV, Rule 1146
NOX: 5 PPMV, Natural Gas, Rule 1146, Rule 1703(a)(2)
NOX: 40 PPMV Fuel Oil, Rule 1146, Rule 1703 (a)(2)
CO: 100 PPMV, Rule 1703 (a)(2)

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PERMIT TO OPERATE

Permit No. G36228
A/N 562449

Equipment Description:

Boiler, no. 2, located at the physical plant, water tube, Simoneau, model type FX2-35, natural gas with fuel oil standby fuel, with one combustion low NOx burner, Webster, model HDSX, rated at 39,900,000 btu per, a 75 h.p. combustion air blower.

Conditions:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 202]
2. This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
3. This equipment while firing only on natural gas shall not be operated unless it is vented to an air pollution control system which is in full use and has been issued a permit by the executive officer.
[Rule 1303 (a)(1), Rule 1146]
4. This equipment shall comply with Rule 1146.
[Rule 1146]
5. The operator of this equipment shall comply with source testing requirements in subdivision (d)(6)— compliance determination of Rule 1146.
[Rule 1146]
6. The operator of this equipment shall comply with periodic monitoring requirements of Rule 1146 (d)(8) and (d)(9).
[RULE 1146]
7. In addition to the periodic monitoring in Rule 1146, the operator of this equipment shall comply with the following:
 - A. Measure NOx with a portable combustion gas analyzer at least once each week of operation for the first calendar quarter after initial startup of the equipment or after occurrence of item D below. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
 - B. Provided measurements indicate NOx concentrations of 5 ppmv or less (at 3% O₂), measure NOx with a portable combustion gas analyzer at least once each two weeks of operation for the second calendar quarter of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.

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- C. Provided measurements indicate NO_x concentrations of 5 ppmv or less (at 3% O₂), measure NO_x with a portable combustion gas analyzer at least once every calendar month of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
 - D. If any single NO_x measurement indicates NO_x concentrations of greater than 5 ppmv (at 3% O₂), then restart the NO_x portable analyzer testing per section A of this permit condition, and report to the SCAQMD per Section K, condition 22.
 - E. The portable combustion gas analyzer used for measuring the NO_x concentrations in this condition shall follow the "Protocol for Periodic Monitoring of Nitrogen Oxides, Carbon Monoxide, and Oxygen from Units Subject to South Coast Air Quality Management District Rules 1146 and 1146.1" per Rule 1146 section (d)(8).
[Rule 204, Rule 212 (a)]
8. This boiler shall emit no more than 5 ppm for Oxides of Nitrogen (NO_x) measured by volume on a dry basis at 3% oxygen averaged over a period of 15 consecutive minutes when firing on natural gas. This condition shall not apply during a cold start-up of the boiler not to exceed 120 minutes. A cold start is defined as the process to bring the boiler water temperature from ambient to an operating temperature of 338 F and 100 psi. A warm start is defined as the process to bring a warm boiler back to operating temperature of 328 F and 100 psi. Warm start will not exceed 30 minutes from the initial burner restart. The 5 ppmv NO_x shall apply in all cases when the boiler exhaust reaches 400 F or greater (as measured at the outlet of the SCR).
[RULE 1703(a)(2), RULE 1146]
9. Emissions of NO_x shall not exceed 40 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes whenever this equipment is fired with oil.
[RULE 1703(a)(2), Rule 1146]
10. Emissions of CO shall not exceed 100 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes.
[RULE 1703(a)(2)]
11. The boiler shall be fired on natural gas. Fuel oil use is restricted to periods of natural gas curtailment, natural gas supply emergencies, maintenance testing or periodic testing. Periodic testing of fuel oil shall not exceed a combined total of 48 hours during any one calendar year.
[Rule 1303 (a)(1), 40 CFR 63.11237]
12. Fuel oil supplied to the burner shall be no. 2 or a lighter grade as described by the latest ASTM specifications and shall contain less than 0.05 percent sulfur by weight if purchased prior to 6/1/04 and less than 15 ppm sulfur by weight if purchased on or after 6/1/04.
[Rule 431.2, 40 CFR 60.42c(D)]
13. Material safety data sheets (MSDS) for the fuel oil purchased in this equipment, the MSDS shall include the minimum information, name of oil supplier, the maximum sulfur content of the fuel oil. This information shall be kept current and made available to District personnel upon request.
[40 CFR 60.48c(f) , 40 CFR 60.42c(h)(1)]
14. The operator shall record and maintain the amount of natural gas combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request.
[40 CFR 60.48c(g)(2), Rule 1146, Rule 1303 (b)(2)]

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15. This boiler shall be equipped with a non-resettable, totalizing flow meter for each fuel to be burned.
[40 CFR 60.48c(g)(2), RULE 1313(g), , Rule 1303 (b)(2), RULE 1146]
16. Whenever the boiler is operated on fuel oil, monthly calendar and calendar year, records shall be maintained for the boiler and shall include the following. (1) the date. (2) the reason the boiler was operated on fuel oil. (3) the hours of operation on fuel oil (4) amount of fuel oil used. All records shall be, (1) recorded in a manner which has been approved in writing by the executive officer, (2) kept for at least five years, and (3) made available to SCAQMD personnel upon request.
[Rule 1146, 40 CFR 63.11237, 40 CFR 60.48c(g)(2)]
17. The operator shall record and maintain the amount of all fuel combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request.
[40 CFR 60.48c(g)(2)]
18. The operator shall limit the fuel usage to no more than 0.038 mmcf in any one hour.

For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1146]
19. The operator shall limit the fuel usage to no more than 28.27 mmcf in any one month.

For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1303 (b)(2), Rule 1313(g)]
20. For this equipment which will be a replacement, in whole or part, for an existing boiler on the same or contiguous property, a maximum of 90 days may be allowed as a start-up period for simultaneous operation of the subject sources.
Rule 1304 (a)(1), Rule 1313 (d)]
21. The owner or operator of the equipment shall conduct a source test under the following conditions:
 - A. Source testing shall be conducted within 180 days of start of boiler operations with SCR.
 - B. The source test shall be done to verify compliance with the 5 ppmv NH₃ slip, 5 PPMV NO_x firing on natural gas, 40 ppmv NO_x firing on fuel oil and 100 ppmv CO BACT limits.
 - C. The ammonia source tests shall be conducted in accordance with SCAQMD method 207.1 for ammonia slip
 - D. The NO_x and CO source tests shall be conducted in accordance with SCAQMD method 100.1.
 - E. The test shall be conducted for 15 minutes for each load, while firing natural gas and fuel oil at maximum, minimum and low firing rates.

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- F. Two complete copies of source test reports (include the application number and a copy of the permit in the report) shall be submitted to the district (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765). The results in writing shall be submitted within 45 days after the source test is completed. It shall include, but not limited to emissions rate in pounds per hour and concentration in ppmv at the outlet of the boiler.
- G. A testing laboratory certified by the SCAQMD laboratory approval program (LAP) in the required test methods for criteria pollutant to be measured, and in compliance with District rule 304 (no conflict of interest) shall conduct the test
- H. Sampling facilities shall comply with the SCAQMD "guidelines for construction of sampling and testing facilities", pursuant to Rule 217.
[Rule 1146, Rule 1303 (a)(1), Rule 1703 (a)(2)]

- 22 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[Rule 205]

Periodic Monitoring:

- 23 The operator shall conduct an inspection for visible emission from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall either:
- C. Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in the same fashion as deviations are required to be reported in section K of this permit; or
 - D. 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 SCAQMD.

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

- E. Stack or emission point identification;
- F. Description of any corrective actions taken to abate visible emissions;
- G. Date and time visible emission was abated; and
- H. Visible emission observation recorded by a certified smoke reader.
[Rule 3004 (a)(4)]

- 24 If annual fuel oil usage exceeds 2,000,000 gallons in any one year, then the operator shall determine compliance with the particulate matter (pm) emission limit(s) by conducting a source test at least once every five years using SCAQMD method 5.2 . The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with rule 409 limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in sections e and k of this permit.

For the purpose of determining compliance with Rule 409 Limit, the emissions shall be measured and averaged over a 60 minute time period.

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The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage.

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

B. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

25. For units with a heat input greater than 10 mmbtu/hr and annual oil usage greater than 1,000,000 gallons or greater than 336 hours of operation, but do not exceed 2,000,000 gallons in any one year. The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage.

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

B. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

Emissions And Requirements:

26. This equipment is subject to the applicable requirements of the following Rules and Regulations:

CO: 2000 PPMV, Rule 407
SOX: 500 PPMV Fuel Oil, Rule 409
PM: 0.1 GR/SCF, Rule 409
CO: 400 PPMV, Rule 1146
NOX: 5 PPMV, Natural Gas, Rule 1146, Rule 1703(a)(2)
NOX: 40 PPMV Fuel Oil, Rule 1146, Rule 1703 (a)(2)
CO: 100 PPMV, Rule 1703 (a)(2)

**FACILITY PERMIT TO OPERATE
US GOVT, VETERANS AFFAIRS MEDICAL CENTER**

PERMIT TO OPERATE

**Permit No. G36229
A/N 562450**

Equipment Description:

Boiler, no. 3, located at the physical plant, water tube, Simoneau, model type FX2-35, natural gas with fuel oil standby fuel, with one combustion low NOx burner, Webster, model HXSX, rated at 39,900,000 btu per, a 75 h.p. combustion air blower.

Conditions:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
[Rule 202]
2. This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
3. This equipment while firing only on natural gas shall not be operated unless it is vented to an air pollution control system which is in full use and has been issued a permit by the executive officer.
[Rule 1303 (a)(1), Rule 1146]
4. This equipment shall comply with Rule 1146.
[Rule 1146]
5. The operator of this equipment shall comply with source testing requirements in subdivision (d)(6)—
compliance determination of Rule 1146.
[Rule 1146]
6. The operator of this equipment shall comply with periodic monitoring requirements of Rule 1146 (d)(8) and (d)(9).
[RULE 1146]
7. In addition to the periodic monitoring in Rule 1146, the operator of this equipment shall comply with the following:
 - A. Measure NOx with a portable combustion gas analyzer at least once each week of operation for the first calendar quarter after initial startup of the equipment or after occurrence of item D below. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
 - B. Provided measurements indicate NOx concentrations of 5 ppmv or less (at 3% O2), measure NOx with a portable combustion gas analyzer at least once each two weeks of operation for the second calendar quarter of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.

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- C. Provided measurements indicate NOx concentrations of 5 ppmv or less (at 3% O₂), measure NOx with a portable combustion gas analyzer at least once every calendar month of operation. The analyzer shall be maintained per manufacturer recommendations and calibrated before each use.
 - D. If any single NOx measurement indicates NOx concentrations of greater than 5 ppmv (at 3% O₂), then restart the NOx portable analyzer testing per section A of this permit condition, and report to the SCAQMD per Section K, condition 22.
 - E. The portable combustion gas analyzer used for measuring the NOx concentrations in this condition shall follow the "Protocol for Periodic Monitoring of Nitrogen Oxides, Carbon Monoxide, and Oxygen from Units Subject to South Coast Air Quality Management District Rules 1146 and 1146.1" per Rule 1146 section (d)(8).
[Rule 204, Rule 212 (a)]
8. This boiler shall emit no more than 5 ppm for Oxides of Nitrogen (NOx) measured by volume on a dry basis at 3% oxygen averaged over a period of 15 consecutive minutes when firing on natural gas. This condition shall not apply during a cold start-up of the boiler not to exceed 120 minutes. A cold start is defined as the process to bring the boiler water temperature from ambient to an operating temperature of 338 F and 100 psi. A warm start is defined as the process to bring a warm boiler back to operating temperature of 328 F and 100 psi. Warm start will not exceed 30 minutes from the initial burner restart. The 5 ppmv NOx shall apply in all cases when the boiler exhaust reaches 400 F or greater (as measured at the outlet of the SCR).
[RULE 1703(a)(2), RULE 1146]
9. Emissions of NOx shall not exceed 40 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes whenever this equipment is fired with oil.
[RULE 1703(a)(2), Rule 1146]
10. Emissions of CO shall not exceed 100 ppm referenced at 3% o₂ on a dry basis, averaged over a period of 15 consecutive minutes.
[RULE 1703(a)(2)]
- 10 The boiler shall be fired on natural gas. Fuel oil use is restricted to periods of natural gas curtailment, natural gas supply emergencies, maintenance testing or periodic testing. Periodic testing of fuel oil shall not exceed a combined total of 48 hours during any one calendar year.
[Rule 1303 (a)(1), 40 CFR 63.11237]
11. Fuel oil supplied to the burner shall be no. 2 or a lighter grade as described by the latest ASTM specifications and shall contain less than 0.05 percent sulfur by weight if purchased prior to 6/1/04 and less than 15 ppm sulfur by weight if purchased on or after 6/1/04.
[Rule 431.2, 40 CFR 60.42c(D)]
12. Material safety data sheets (MSDS) for the fuel oil purchased in this equipment, the MSDS shall include the minimum information, name of oil supplier, the maximum sulfur content of the fuel oil. This information shall be kept current and made available to District personnel upon request.
[40 CFR 60.48c(f) , 40 CFR 60.42c(h)(1)]
13. The operator shall record and maintain the amount of natural gas combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request.
[40 CFR 60.48c(g)(2), Rule 1146, Rule 1303 (b)(2)]

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- 14 This boiler shall be equipped with a non-resettable, totalizing flow meter for each fuel to be burned.
[40 CFR 60.48c(g)(2), RULE 1313(g), , Rule 1303 (b)(2), RULE 1146]
- 15 Whenever the boiler is operated on fuel oil, monthly calendar and calendar year, records shall be maintained for the boiler and shall include the following. (1) the date. (2) the reason the boiler was operated on fuel oil. (3) the hours of operation on fuel oil (4) amount of fuel oil used. All records shall be, (1) recorded in a manner which has been approved in writing by the executive officer, (2) kept for at least five years, and (3) made available to SCAQMD personnel upon request.
[Rule 1146, 40 CFR 63.11237, 40 CFR 60.48c(g)(2)]
- 16 The operator shall record and maintain the amount of all fuel combusted during each calendar month. The fuel usage records shall be kept for a period of five years and all records shall be made available to District personnel upon request
[40 CFR 60.48c(g)(2)]
17. The operator shall limit the fuel usage to no more than 0.038 mmcf in any one hour.
- For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1146]
18. The operator shall limit the fuel usage to no more than 28.27 mmcf in any one month.
- For the purpose of this condition, fuel usage shall be defined as the total natural gas usage of a single boiler. The operator shall maintain records in a manner approved by the District to demonstrate compliance with this condition.
[Rule 1303 (b)(2), Rule 1313(g)]
19. The operator shall retain all records required by permit for a period of five years and make all records available to District personnel upon request.
[Rule 1146, Rule 1303 (b)(2)]
20. For this equipment which will be a replacement, in whole or part, for an existing boiler on the same or contiguous property, a maximum of 90 days may be allowed as a start-up period for simultaneous operation of the subject sources.
Rule 1304 (a)(1), Rule 1313 (d)]
21. The owner or operator of the equipment shall conduct a source test under the following conditions:
- A. Source testing shall be conducted within 180 days of start of boiler operations with SCR.
 - B. The source test shall be done to verify compliance with the 5 ppmv NH₃ slip, 5 PPMV NO_x firing on natural gas, 40 ppmv NO_x firing on fuel oil and 100 ppmv CO BACT limits.
 - C. The ammonia source tests shall be conducted in accordance with SCAQMD method 207.1 for ammonia slip
 - D. The NO_x and CO source tests shall be conducted in accordance with SCAQMD method 100.1.

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- E. The test shall be conducted for 15 minutes for each load, while firing natural gas and fuel oil at maximum, minimum and low firing rates.
 - F. Two complete copies of source test reports (include the application number and a copy of the permit in the report) shall be submitted to the district (addressed to South Coast Air Quality Management District, P.O. Box 4941, Diamond Bar, CA 91765). The results in writing shall be submitted within 45 days after the source test is completed. It shall include, but not limited to emissions rate in pounds per hour and concentration in ppmv at the outlet of the boiler.
 - G. A testing laboratory certified by the SCAQMD laboratory approval program (LAP) in the required test methods for criteria pollutant to be measured, and in compliance with District rule 304 (no conflict of interest) shall conduct the test
 - H. Sampling facilities shall comply with the SCAQMD "guidelines for construction of sampling and testing facilities", pursuant to Rule 217.
[Rule 1146, Rule 1303 (a)(1), Rule 1703 (a)(2)]
- 22 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[Rule 205]

Periodic Monitoring:

- 23 The operator shall conduct an inspection for visible emission from all stacks and other emission points of this equipment whenever this equipment has combusted one million gallons of diesel fuel, to be counted cumulatively over a five year period. The inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall either:
- A. Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in the same fashion as deviations are required to be reported in section K of this permit; or
 - B. 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 SCAQMD.
- In addition, the operator shall keep the records in accordance with the recordkeeping requirements in section k of this permit and the following records:
- A. Stack or emission point identification;
 - B. Description of any corrective actions taken to abate visible emissions;
 - C. Date and time visible emission was abated; and
 - D. Visible emission observation recorded by a certified smoke reader.
[Rule 3004 (a)(4)]
- 24 If annual fuel oil usage exceeds 2,000,000 gallons in any one year, then the operator shall determine compliance with the particulate matter (pm) emission limit(s) by conducting a source test at least once every five years using SCAQMD method 5.2 . The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with rule 409 limit. The operator shall comply with all general testing, reporting, and

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recordkeeping requirements in sections e and k of this permit.

For the purpose of determining compliance with Rule 409 Limit, the emissions shall be measured and averaged over a 60 minute time period.

The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage.

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

A. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

25. For units with a heat input greater than 10 mmbtu/hr and annual oil usage greater than 1,000,000 gallons or greater than 336 hours of operation, but do not exceed 2,000,000 gallons in any one year. The operator shall conduct an annual maintenance inspection check of the operating pressure, temperature, air supply, vent, smoke spot, burner condition, heat-transfer surface condition, water treatment, blowdown and leakage

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

A. Date when annual maintenance inspection was conducted.
[RULE 3004 (a) (4)]

Emissions And Requirements:

26. This equipment is subject to the applicable requirements of the following Rules and Regulations:

CO: 2000 PPMV, RULE 407
SOX: 500 PPMV FUEL OIL, RULE 409
PM: 0.1 GR/SCF, RULE 409
CO: 400 PPMV, RULE 1146
NOX: 5 PPMV, NATURAL GAS, RULE 1146, RULE 1703(a)(2)
NOX: 40 PPMV FUEL OIL, RULE 1146, Rule 1703 (a)(2)
CO: 100 PPMV, RULE 1703 (a)(2)

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PERMIT TO OPERATE

Permit No. G36231
A/N 562451

Equipment Description:

Air pollution control system no. 1 consisting of:

1. Selective catalytic reduction, Pasasia, model custom, 4'-9" w. X 4'-9" l. X 9'-0"h., with a honeycomb type catalyst bed, haldor-topsoe, model dnx-1029, low temperature de-NOx type with two layers of scr bricks, 52 cubic feet.
2. Anhydrous ammonia dosing unit (feed forward), ammonia injectors, a gas mixer, and automatic anhydrous/NOx controller, an interconnecting anhydrous ammonia storage system
3. Anhydrous storage system (common) consisting of a maximum of not more than three gas cylinders, each 150 pounds capacity, located at this facility, with a total capacity not to exceed 500 pounds of anhydrous ammonia for the entire.
4. Exhaust system venting boiler no. 1.

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 202]
- 2) This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
- 3) The ammonia feed control system shall be in full operation whenever the SCR system is in operation.
[Rule 1303 (a)(1)]
4. When the boiler is fired on fuel oil the ammonia feed control system shall not be in operation.
[Rule 1303 (a)(1)]
- 5) Sampling ports shall be installed at the inlet and outlet of the selective catalytic reduction system.
[Rule 1303 (a)(1)]
- 6) The operator shall install and maintain a temperature gauge to accurately indicate the temperature of the exhaust at the outlet of the SCR reactor. The measuring device or gauge shall continuously measure the temperature, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the temperature.
[Rule 1303 (a)(1)]

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- 7) The anhydrous ammonia injection system shall be operated whenever the SCR outlet temperature is above 400 degrees Fahrenheit, except during start-ups not to exceed 120 minutes during a cold start and 30 minutes for a warm start.
[Rule 1303 (a)(1)]
- 8). The maximum outlet temperature of the SCR bed shall not exceed 650 degrees Fahrenheit.
[Rule 1303 (a)(1)]
- 9). The outlet temperature of the SCR bed shall be maintained at 400 degrees Fahrenheit or greater.
[Rule 1303 (a)(1)]
- 10) The ammonia concentration at the exit of the SCR unit shall not exceed 5 ppmv (NH₃) measured by volume on a dry basis at 3% oxygen over a 60 minute average corrected to 3% oxygen.
[Rule 1303 (a)(1), Rule 1401]
- 11) The operator shall install and maintain a pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column. The measuring device or gauge shall continuously measure the differential pressure, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the differential pressure.
[Rule 1303 (a)(1)]
- 12). The pressure drop across the SCR bed shall not exceed 2.5 inches W.C.
[Rule 1303 (a)(1)]
- 13) Anhydrous ammonia shall only be used from pre-packaged gas cylinders. The amount of anhydrous ammonia contained in an individual gas cylinder shall not exceed 150 pounds (+/- 15 pounds). Anhydrous ammonia shall not be transferred or stored in storage tanks at this facility. No more than a total of three 150 pound gas cylinders of anhydrous ammonia shall be on site at any one time not to exceed 500 pounds total at this facility. The operator shall keep records of the number of gas cylinders stored on site and to include invoices of gas deliveries. All records shall be retained for a period of five years and be made available to District personnel upon request.
[CEQA]
14. The operator shall install and maintain a flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia. The measuring device or gauge shall continuously measure the hourly throughput, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the hourly throughput. The ammonia injection rate shall not exceed 0.55 lb/hr.
[Rule 1303 (a)(1)]
- 15) The ammonia slip should be tested at least once per year and once every 3 months for the first year of operation. The ammonia slip test shall be done using SCAQMD approved test methods. Records of the ammonia slip test shall be kept for at least five years and be made available to District personnel upon request.
[Rule 1303 (a)(1)]
- 16 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[RULE 205]

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Emissions And Requirements:

17. This equipment is subject to the applicable requirements of the following Rules and Regulations:

NH3: 5 PPMV RULE 1303 (a)(1)

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PERMIT TO OPERATE

**Permit No. G36233
A/N 562452**

Equipment Description:

Air pollution control system no. 2 consisting of:

1. Selective catalytic reduction, Pasasia, model custom, 4'-9" w. X 4'-9" l. X 9'-0" h., with a honeycomb type catalyst bed, haldor-topsoe, model dnx-1029, low temperature de-NOx type with two layers of scr bricks, 52 cubic feet.
2. Anhydrous ammonia dosing unit (feed forward), ammonia injectors, a gas mixer, and automatic anhydrous/NOx controller, an interconnecting anhydrous ammonia storage system
3. Anhydrous storage system (common) consisting of a maximum of not more than 10 gas cylinders, each 50 pounds capacity, located at this facility, with a total capacity not to exceed 500 pounds of anhydrous ammonia for the entire facility.
4. Exhaust system venting boiler no. 2.

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 202]
- 2) This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
- 3) The ammonia feed control system shall be in full operation whenever the SCR system is in operation.
[Rule 1303 (a)(1)]
- 4) When the boiler is fired on fuel oil the ammonia feed control system shall not be in operation.
[Rule 1303 (a)(1)]
- 5) Sampling ports shall be installed at the inlet and outlet of the selective catalytic reduction system.
[Rule 1303 (a)(1)]
- 6) The operator shall install and maintain a temperature gauge to accurately indicate the temperature of the exhaust at the outlet of the SCR reactor. The measuring device or gauge shall continuously measure the temperature, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the temperature.
[Rule 1303 (a)(1)]

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- 7) The anhydrous ammonia injection system shall be operated whenever the SCR outlet temperature is above 400 degrees Fahrenheit, except during start-ups not to exceed 120 minutes during a cold start and 30 minutes for a warm start.
[Rule 1303 (a)(1)]
- 8). The maximum outlet temperature of the SCR bed shall not exceed 650 degrees Fahrenheit.
[Rule 1303 (a)(1)]
- 9). The outlet temperature of the SCR bed shall be maintained at 400 degrees Fahrenheit or greater.
[Rule 1303 (a)(1)]
- 10) The ammonia concentration at the exit of the SCR unit shall not exceed 5 ppmv (NH₃) measured by volume on a dry basis at 3% oxygen over a 60 minute average corrected to 3% oxygen.
[Rule 1303 (a)(1), Rule 1401]
- 11) The operator shall install and maintain a pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column. The measuring device or gauge shall continuously measure the differential pressure, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the differential pressure.
[Rule 1303 (a)(1)]
- 12). The pressure drop across the SCR bed shall not exceed 2.5 inches W.C.
[Rule 1303 (a)(1)]
- 13) Anhydrous ammonia shall only be used from pre-packaged gas cylinders. The amount of anhydrous ammonia contained in an individual gas cylinder shall not exceed 150 pounds (+/- 15 pounds). Anhydrous ammonia shall not be transferred or stored in storage tanks at this facility. No more than a total of three 150 pound gas cylinders of anhydrous ammonia shall be on site at any one time not to exceed 500 pounds total at this facility. The operator shall keep records of the number of gas cylinders stored on site and to include invoices of gas deliveries. All records shall be retained for a period of five years and be made available to District personnel upon request.
[CEQA]
14. The operator shall install and maintain a flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia. The measuring device or gauge shall continuously measure the hourly throughput, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the hourly throughput. The ammonia injection rate shall not exceed 0.55 lb/hr.
[Rule 1303 (a)(1)]
- 15) The ammonia slip should be tested at least once per year and once every 3 months for the first year of operation. The ammonia slip test shall be done using SCAQMD approved test methods, records of the ammonia slip test shall be kept for at least five years and be made available to District personnel upon request.
[Rule 1303 (a)(1)]
- 16 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[RULE 205]

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Emissions And Requirements:

17. This equipment is subject to the applicable requirements of the following Rules and Regulations:

NH3: 5 PPMV RULE 1303 (a)(1)

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PERMIT TO OPERATE

Permit No. G36234
A/N 562453

Equipment Description:

Air pollution control system no. 3 consisting of:

1. Selective catalytic reduction, Pasasia, model custom, 4'-9" w. X 4'-9" l. X 9'-0" h., with a honeycomb type catalyst bed, haldor-topsoe, model dnx-1029, low temperature de-NOx type with two layers of scr bricks, 52 cubic feet.
2. Anhydrous ammonia dosing unit (feed forward), ammonia injectors, a gas mixer, and automatic anhydrous/NOx controller, an interconnecting anhydrous ammonia storage system.
3. Anhydrous storage system (common) consisting of a maximum of not more than three gas cylinders, each 150 pounds capacity, located at this facility, with a total capacity not to exceed 500 pounds of anhydrous ammonia for the entire facility.
4. Exhaust system venting boiler no. 3.

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 202]
- 2) This equipment shall be properly maintained and kept in good operating condition at all times.
[Rule 202]
- 3) The ammonia feed control system shall be in full operation whenever the SCR system is in operation.
[Rule 1303 (a)(1)]
4. When the boiler is fired on fuel oil the ammonia feed control system shall not be in operation.
[Rule 1303 (a)(1)]
- 5) Sampling ports shall be installed at the inlet and outlet of the selective catalytic reduction system.
[Rule 1303 (a)(1)]
- 6) The operator shall install and maintain a temperature gauge to accurately indicate the temperature of the exhaust at the outlet of the SCR reactor. The measuring device or gauge shall continuously measure the temperature, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the temperature.
[Rule 1303 (a)(1)]

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- 7) The anhydrous ammonia injection system shall be operated whenever the SCR outlet temperature is above 400 degrees Fahrenheit.
[Rule 1303 (a)(1)]
- 8). The maximum outlet temperature of the SCR bed shall not exceed 650 degrees Fahrenheit.
[Rule 1303 (a)(1)]
- 9). The outlet temperature of the SCR bed shall be maintained at 400 degrees Fahrenheit or greater, except during start-ups not to exceed 120 minutes during a cold start and 30 minutes for a warm start.
[Rule 1303 (a)(1)]
- 10) The ammonia concentration at the exit of the SCR unit shall not exceed 5 ppmv (NH₃) measured by volume on a dry basis at 3% oxygen over a 60 minute average corrected to 3% oxygen.
[Rule 1303 (a)(1), Rule 1401]
- 11) The operator shall install and maintain a pressure gauge to accurately indicate the differential pressure across the SCR catalyst bed in inches of water column. The measuring device or gauge shall continuously measure the differential pressure, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the differential pressure.
[Rule 1303 (a)(1)]
- 12). The pressure drop across the SCR bed shall not exceed 2.5 inches W.C.
[Rule 1303 (a)(1)]
- 13) Anhydrous ammonia shall only be used from pre-packaged gas cylinders. The amount of anhydrous ammonia contained in an individual gas cylinder shall not exceed 150 pounds (+/- 15 pounds). Anhydrous ammonia shall not be transferred or stored in storage tanks at this facility. No more than a total of three 150 pound gas cylinders of anhydrous ammonia shall be on site at any one time not to exceed 500 pounds total at this facility. The operator shall keep records of the number of gas cylinders stored on site and to include invoices of gas deliveries. All records shall be retained for a period of five years and be made available to District personnel upon request
[CEQA]
14. The operator shall install and maintain a flow meter to accurately indicate the flow rate of the total hourly throughput of injected ammonia. The measuring device or gauge shall continuously measure the hourly throughput, be accurate to within plus or minus 5 percent, and be calibrated once every 12 months. The operator shall maintain monthly records of the hourly throughput. The ammonia injection rate shall not exceed 0.55 lb/hr.
[Rule 1303 (a)(1)]
- 15) The ammonia slip should be tested at least once per year and once every 3 months for the first year of operation. The ammonia slip test shall be done using SCAQMD approved test methods. Records of the ammonia slip test shall be kept for at least five years and be made available to District personnel upon request.
[Rule 1303 (a)(1)]
- 16 This permit shall expire if construction of the equipment is not completed within one year from (the date of issuance of this permit, date) unless an extension is granted by the executive officer.
[RULE 205]

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Emissions And Requirements:

17. This equipment is subject to the applicable requirements of the following Rules and Regulations:
NH3: 5 PPMV RULE 1303 (a)(1)

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS 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 COATING.

FOR OTHER 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 COATING.

[RULE 3004 (a) (4)]

Emissions And Requirements:

2. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS

Emissions And Requirements:

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

CR⁺⁶: RULE 1404

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, REFRIGERANT/RECOVERY

Emissions And Requirements:

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

REFRIGERANT: RULE 1415
REFRIGERANT: 40 CFR82 SUBPART F

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RULE 219 EQUIPMENT

Equipment Description:

RULE 219 EXEMPT EQUIPMENT, SOLVENT CLEANING

Emissions And Requirements:

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

VOC: RULE 1171

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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 SCAQMD. 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]

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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 SCAQMD 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 SCAQMD 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]

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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 SCAQMD, provide a source test protocol to SCAQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by SCAQMD. 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 SCAQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.

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- 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 SCAQMD 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, SCAQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, SCAQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182. [204]

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SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

NOT APPLICABLE

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

NOT APPLICABLE

**FACILITY PERMIT TO OPERATE
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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

NONE

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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.

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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)]

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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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 US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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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)]

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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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 US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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.

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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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- (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;

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- (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)]

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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 H07 | 1-6-2006 | Federally enforceable |
| RULE 1110.2 | 9-7-2012 | Non federally enforceable |
| RULE 1113 | 6-3-2011 | Federally enforceable |
| RULE 1113 | 9-6-2013 | Non federally enforceable |
| RULE 1136 | 6-14-1996 | Federally enforceable |
| RULE 1138 | 11-14-1997 | Federally enforceable |
| RULE 1146 | 11-1-2013 | Federally enforceable |
| RULE 1146 | 9-5-2008 | Non federally enforceable |
| RULE 1147 | 12-5-2008 | Non federally enforceable |
| RULE 1170 | 5-6-1988 | Non federally enforceable |
| RULE 1171 | 2-1-2008 | Federally enforceable |
| RULE 1171 | 5-1-2009 | Non federally enforceable |
| RULE 118 | 12-7-1995 | Non federally enforceable |
| RULE 1303(a)(1)-BACT | 5-10-1996 | 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 1313(g) | 12-7-1995 | Federally enforceable |
| RULE 1401 | 3-17-2000 | Non federally enforceable |
| RULE 1404 | 4-6-1990 | Non federally enforceable |
| RULE 1405 | 1-4-1991 | Non federally enforceable |
| RULE 1470 | 5-4-2012 | Non federally enforceable |

FACILITY PERMIT TO OPERATE US GOVT, VETERANS AFFAIRS MEDICAL CENTER

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| RULE SOURCE | Adopted/Amended Date | FEDERAL Enforceability |
|---|-----------------------------|-------------------------------|
| RULE 204 | 10-8-1993 | Federally enforceable |
| RULE 217 | 1-5-1990 | Federally enforceable |
| RULE 219 | 5-3-2013 | Non federally enforceable |
| RULE 219 | 9-4-1981 | Federally enforceable |
| RULE 2202 | 11-8-1996 | Non federally enforceable |
| RULE 3002 | 11-14-1997 | Federally enforceable |
| RULE 3003 | 11-14-1997 | Federally enforceable |
| RULE 3005 | 11-14-1997 | Federally enforceable |
| RULE 3007 | 10-8-1993 | Federally enforceable |
| RULE 301 | 6-6-2014 | Non federally enforceable |
| RULE 304 | 1-14-1982 | Non federally enforceable |
| RULE 402 | 5-7-1976 | Non federally enforceable |
| RULE 404 | 2-7-1986 | 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 431.2 | 5-4-1990 | Federally enforceable |
| RULE 431.2 | 9-15-2000 | Non federally enforceable |
| RULE 461, OPW Phase I EVR Conditions | 6-3-2005 | Federally enforceable |
| RULE 461, Universal Conditions | 3-7-2008 | Non federally enforceable |
| RULE 701 | 6-13-1997 | Federally enforceable |
| 40CFR 63SubpartCCCCC | 1-24-2011 | Federally enforceable |
| 40CFR 82 Subpart F | 6-25-2013 | Federally enforceable |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

Except as otherwise provided in Rule 1107

(1) VOC Content of Coatings

A person shall not apply to metal parts and products subject to the provisions of this rule any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below:

| VOC LIMITS | | | | | | | | |
|--------------------------------------|-----------|--------|---------|--------|---------|--------|---------|--------|
| Less Water and Less Exempt Compounds | | | | | | | | |
| Effective Dates | | | | | | | | |
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| General One-Component | 275 | 275 | 2.3 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| General Multi-Component | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Military Specification | 340 | 340 | 2.8 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Etching Filler | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Solar-Absorbent | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Heat-Resistant | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Extreme High-Gloss | 420 | 340 | 3.5 | 2.8 | 360 | 360 | 3.0 | 3.0 |
| Metallic | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

| VOC LIMITS | | | | | | | | |
|---|-----------|--------|---------|--------|---------|--------|---------|--------|
| Less Water and Less Exempt Compounds | | | | | | | | |
| Effective Dates, cont. | | | | | | | | |
| Coating | Air-Dried | | | | Baked | | | |
| | gm/l | | lb/gal | | gm/l | | lb/gal | |
| | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 | Current | 7/1/07 |
| Extreme Performance | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Prefabricated Architectural One-Component | 420 | 275 | 3.5 | 2.3 | 275 | 275 | 2.3 | 2.3 |
| Prefabricated Architectural Multi-Component | 420 | 340 | 3.5 | 2.8 | 275 | 275 | 2.3 | 2.3 |
| Touch Up | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Repair | 420 | 420 | 3.5 | 3.5 | 360 | 360 | 3.0 | 3.0 |
| Silicone Release | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Performance Architectural | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Camouflage | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Vacuum-Metalizing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Mold-Seal | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| High-Temperature | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Electric-Insulating Varnish | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pan Backing | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |
| Pretreatment Coatings | 420 | 420 | 3.5 | 3.5 | 420 | 420 | 3.5 | 3.5 |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1107 01-06-2006]

- (2) A person shall not use VOC-containing materials which have a VOC content of more than 200 grams per liter of material for stripping any coating governed by this rule.

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6) of Rule 1113, no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solicit the application of any architectural coating within the District:
 - (A) That is listed in the Table of Standards 1 and 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; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

TABLE OF STANDARDS 1 VOC LIMITS

**Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds**

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Bond Breakers | | 350 | | | |
| Clear Wood Finishes | | 275 | | | |
| Varnish | 350 | 275 | | | |
| Sanding Sealers | 350 | 275 | | | |
| Lacquer | | 275 | | | |
| Concrete-Curing Compounds | | 100 | | | |
| Concrete-Curing Compounds For Roadways and Bridges ³ | | 350 | | | |
| Concrete Surface Retarder | | 250 | | | 50 |
| Driveway Sealer | | 100 | | 50 | |
| Dry-Fog Coatings | | 150 | | | 50 |
| Faux Finishing Coatings | | | | | |
| Clear Topcoat | | 350 | | 200 | |
| Decorative Coatings | | 350 | | | 100 |
| Glazes | | 350 | | | |
| Japan | | 350 | | | |
| Trowel Applied Coatings | | 350 | | 150 | 50 |
| Fire-Proofing Coatings | | 350 | | | 150 |
| Flats | 250 | 50 | 50 | | |
| Floor Coatings | 100 | 50 | | | |
| Form Release Compound | | 250 | | | 100 |
| Graphic Arts (Sign) Coatings | | 500 | | | 150 |
| Industrial Maintenance (IM) Coatings | 420 | 100 | | | |
| High Temperature IM Coatings | | 420 | | | |
| Non-Sacrificial Anti-Graffiti Coatings | | 100 | | | |
| Zinc-Rich IM Primers | 340 | 100 | | | |
| Magnesite Cement Coatings | | 450 | | | |
| Mastic Coatings | | 300 | | | 100 |
| Metallic Pigmented Coatings | 500 | 500 | | | 150 |
| Multi-Color Coatings | | 250 | | | |
| Nonflat Coatings | 150 | 50 | | | |
| Pre-Treatment Wash Primers | | 420 | | | |
| Primers, Sealers, and Undercoaters | 200 | 100 | | | |
| Reactive Penetrating Sealers | | 350 | | | |
| Recycled Coatings | | 250 | | | |
| Roof Coatings | 250 | 50 | | | |
| Roof Coatings, Aluminum | | 100 | | | |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

| | | | | |
|------------------------------------|-----|-----|--|----|
| Roof Primers, Bituminous | 350 | 350 | | |
| Rust Preventative Coatings | 400 | 100 | | |
| Stone Consolidant | | 450 | | |
| Sacrificial Anti-Graffiti Coatings | | 100 | | 50 |
| Shellac | | | | |
| Clear | | 730 | | |
| Pigmented | | 550 | | |
| Specialty Primers | 350 | 100 | | |
| Stains | | 100 | | |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 06-03-2011]

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Stains, Interior | 250 | 250 | | | |
| Swimming Pool Coatings | | | | | |
| Repair | | 340 | | | |
| Other | | 340 | | | |
| Traffic Coatings | | 100 | | | |
| Waterproofing Sealers | 250 | 100 | | | |
| Waterproofing Concrete/Masonry Sealers | 400 | 100 | | | |
| Wood Preservatives | | 350 | | | |

1. The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
2. The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

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

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

| COLORANT | Limit ⁴ |
|---|--------------------|
| Architectural Coatings, excluding IM Coatings | 50 |
| Solvent-Based IM | 600 |
| Waterborne IM | 50 |

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

- (1) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, market, manufacture, blend, repackage, apply, store at a worksite, or solid the application of any architectural coating within in the District:
 - (A) That is listed in the Table of Standards 1 and 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; or
 - (B) That is not listed in the Table of Standards 1, and contains VOC (excluding any colorant added to tint bases) in excess of 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, until January 1, 2014, at which time the limit drops to 50 grams of VOC per liter of coating, less water, less exempt compounds (0.42 pounds per gallon).
- (2) No person within the District shall add colorant at the point of sale that is listed in the Table of Standards 2 and contains VOC in excess of the corresponding VOC limit specified in the Table of Standards 2, after the effective date specified.

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013] TABLE OF STANDARDS 1 VOC LIMITS

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

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|---|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Bond Breakers | | 350 | | | |
| Clear Wood Finishes | | 275 | | | |
| Varnish | 350 | 275 | | | |
| Sanding Sealers | 350 | 275 | | | |
| Lacquer | | 275 | | | |
| Concrete-Curing Compounds | | 100 | | | |
| Concrete-Curing Compounds For Roadways and Bridges ³ | | 350 | | | |
| Concrete Surface Retarder | | 250 | | | 50 |
| Driveway Sealer | | 100 | | 50 | |
| Dry-Fog Coatings | | 150 | | | 50 |
| Faux Finishing Coatings | | | | | |
| Clear Topcoat | | 350 | | 200 | 100 |
| Decorative Coatings | | 350 | | | |
| Glazes | | 350 | | | |
| Japan | | 350 | | | |
| Trowel Applied Coatings | | 350 | | 150 | 50 |
| Fire-Proofing Coatings | | 350 | | | 150 |
| Flats | 250 | 50 | 50 | | |
| Floor Coatings | 100 | 50 | | | |
| Form Release Compound | | 250 | | | 100 |
| Graphic Arts (Sign) Coatings | | 500 | | | 150 |
| Industrial Maintenance (IM) Coatings | 420 | 100 | | | |
| High Temperature IM Coatings | | 420 | | | |
| Non-Sacrificial Anti-Graffiti Coatings | | 100 | | | |
| Zinc-Rich IM Primers | | 100 | | | |
| Magnesite Cement Coatings | | 450 | | | |
| Mastic Coatings | | 300 | | | 100 |
| Metallic Pigmented Coatings | 500 | 500 | | | 150 |
| Multi-Color Coatings | | 250 | | | |
| Nonflat Coatings | 150 | 50 | | | |
| Pre-Treatment Wash Primers | | 420 | | | |
| Primers, Sealers, and Undercoaters | | 100 | | | |
| Reactive Penetrating Sealers | | 350 | | | |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

| | | | | | |
|------------------------------------|-----|-----|--|----|--|
| Recycled Coatings | | 250 | | | |
| Roof Coatings | | 50 | | | |
| Roof Coatings, Aluminum | | 100 | | | |
| Roof Primers, Bituminous | | 350 | | | |
| Rust Preventative Coatings | 400 | 100 | | | |
| Sacrificial Anti-Graffiti Coatings | | 100 | | 50 | |
| Shellac | | | | | |
| Clear | | 730 | | | |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1113 09-06-2013]

| COATING CATEGORY | Ceiling Limit ¹ | Current Limit ² | Effective Date | | |
|--|----------------------------|----------------------------|----------------|--------|--------|
| | | | 7/1/08 | 1/1/12 | 1/1/14 |
| Pigmented | | 550 | | | |
| Specialty Primers | | 100 | | | |
| Stains | 350 | 100 | | | |
| Stains, Interior | 250 | 250 | | | |
| Stone Consolidant | | 450 | | | |
| Swimming Pool Coatings | | | | | |
| Repair | | 340 | | | |
| Other | | 340 | | | |
| Traffic Coatings | | 100 | | | |
| Waterproofing Sealers | | 100 | | | |
| Waterproofing Concrete/Masonry Sealers | | 100 | | | |
| Wood Preservatives | | 350 | | | |

- 1 The specified ceiling limits are applicable to products sold under the Averaging Compliance Option.
- 2 The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.
3. Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

TABLE OF STANDARDS 1 (cont.) VOC LIMITS

Grams of VOC Per Liter of Material

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

TABLE OF STANDARDS 2 VOC LIMITS FOR COLORANTS

Grams of VOC Per Liter of Colorant Less Water and Less Exempt Compounds

| COLORANT ADDED TO | Limit ⁴ |
|---|--------------------|
| Architectural Coatings, excluding IM Coatings | 50 |
| Solvent-Based IM | 600 |
| Waterborne IM | 50 |

4. Effective January 1, 2014.

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1136 06-14-1996]

Except as otherwise provided in Rule 1136

- (a) The operator shall not apply any coating to a wood product which has a VOC content, including any VOC-containing material added to the original coating supplied by the manufacturer, which exceeds the applicable limit specified below:

(1)

VOC LIMITS

Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

| <u>COATING</u> | <u>Current Limit</u> | | <u>On and After</u> |
|--|----------------------|------------------|---------------------|
| | <u>I</u> | or | <u>7/1/2005</u> |
| | <u>II</u> | | |
| Clear Sealers | 550 (4.6) [1.39] | 680 (5.7) [3.36] | 275 (2.3) [0.36] |
| Clear Topcoat | 550 (4.6) [1.37] | 275 (2.3) [0.35] | 275 (2.3) [0.35] |
| Pigmented Primers, Sealers & Undercoats | 550 (4.6) [1.06] | 600 (5.0) [1.08] | 275 (2.3) [0.21] |
| Pigmented Topcoats | 550 (4.6) [1.10] | 275 (2.3) [0.25] | 275 (2.3) [0.25] |

The operator shall use coatings on a wood product that comply with either all VOC limits in column I or all VOC limits in column II. The operator that applies a primer, sealer or undercoat, but not a topcoat, to a wood product, shall be subject to column I for that wood product.

- (2) Notwithstanding the requirements of clause (a)(1), an operator that applies a topcoat and a primer, sealer or undercoat to a shutter may, until July 1, 2005, choose to comply with the VOC limits specified below for that shutter:

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1136 06-14-1996]

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

COATING

| | |
|--|------------------|
| Clear Sealers | 275 (2.3) [0.36] |
| Clear Topcoat | 680 (5.7) [2.99] |
| Pigmented Primers, Sealers & Undercoats | 275 (2.3) [0.33] |
| Pigmented Topcoats | 600 (5.0) [1.38] |

(3)

VOC LIMITS

Grams Per Liter, (lb/gal) of Coating, [lbs VOC/lb of solids],
Less Water and Less Exempt Compounds

On and After

COATING

| | <u>Current Limit</u> | <u>7/1/2005</u> |
|-----------------------------------|----------------------|------------------|
| Barrier Coat - Plastic Components | 760 (6.3) [3.9] | 275 (2.3) [0.28] |
| Composite Wood Edge Filler | 550 (4.6) [1.15] | 275 (2.3) [0.31] |
| Extreme Performance Coatings | 420 (3.5) [0.51] | 275 (2.3) [0.33] |
| Fillers | 500 (4.2) [0.66] | 275 (2.3) [0.18] |
| High-Solid Stains | 550 (4.6) [1.23] | 350 (2.9) [0.42] |
| Inks | 500 (4.2) [0.96] | 500 (4.2) [0.96] |
| Mold-Seal Coatings | 750 (6.3) [4.2] | 750 (6.3) [4.2] |
| Multi-Colored Coatings | 685 (5.7) [2.6] | 275 (2.3) [0.33] |

VOC LIMITS

Grams Per Liter (lb/gal) of Material

On and After

COATING

| | <u>Current Limit</u> | <u>7/1/2005</u> |
|---|----------------------|-----------------|
| Low-Solids Barrier Coat - Plastic Components | 760 (6.3) | 120 (1.0) |
| Low-Solid Stains, Toners, and Washcoats | 480 (4.0) | 120 (1.0) |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS

[RULE 1136 06-14-1996]

Any coating subject to this rule that meets any of the three VOC limit formats (grams per liter, lb/gal, or lbs VOC/lb of solids) is in compliance with this subparagraph.

- (4) The VOC limit for japan coatings is 700 grams per liter of coatings, less water and exempt compounds, as applied.
- (b) A person shall not use a stripper on wood products unless:
 - (1) it contains less than 350 grams of VOC per liter of material; or
 - (2) the VOC composite vapor pressure is 2 mm Hg (0.04 psia) or less at 20°C (68°F).

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

(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* | EFFECTIVE 1/1/2009 |
|---|------------------------|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY | VOC g/l (lb/gal) | 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 US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

| SOLVENT CLEANING ACTIVITY (cont.) | CURRENT LIMITS* | EFFECTIVE 1/1/2008* | EFFECTIVE 1/1/2009 |
|---|------------------------|------------------------|------------------------|
| | VOC g/l (lb/gal) | 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 | 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 US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 02-01-2008]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2008* | EFFECTIVE 1/1/2009 |
|--|------------------------|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | 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) | 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 US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

(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 1/1/2010 |
|--|------------------------|------------------------|
| 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 US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|---|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | 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 | 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 | 100 (0.83) | |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 1171 05-01-2009]

| | CURRENT LIMITS* | EFFECTIVE 1/1/2010 |
|--|------------------------|------------------------|
| SOLVENT CLEANING ACTIVITY (cont.) | VOC g/l (lb/gal) | VOC g/l (lb/gal) |
| (B) Removable Press Components | 25 (0.21) | |
| (v) Screen Printing | 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.

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APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, particulate matter in excess of the concentration at standard conditions, shown in Table 404(a).

Where the volume discharged is between figures listed in the Table, the exact concentration permitted to be discharged shall be determined by linear interpolation.

For the purposes of this rule, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

TABLE 404(a)

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|-------------------|--|--------------------------|--|-------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| 25 or less | 883 or less | 450 | 0.196 | 900 | 31780 | 118 | 0.0515 |
| 30 | 1059 | 420 | .183 | 1000 | 35310 | 113 | .0493 |
| 35 | 1236 | 397 | .173 | 1100 | 38850 | 109 | .0476 |
| 40 | 1413 | 377 | .165 | 1200 | 42380 | 106 | .0463 |
| 45 | 1589 | 361 | .158 | 1300 | 45910 | 102 | .0445 |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|--|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 50 | 1766 | 347 | .152 | 1400 | 49440 | 100 | .0437 |
| 60 | 2119 | 324 | .141 | 1500 | 52970 | 97 | .0424 |
| 70 | 2472 | 306 | .134 | 1750 | 61800 | 92 | .0402 |
| 80 | 2825 | 291 | .127 | 2000 | 70630 | 87 | .0380 |
| 90 | 3178 | 279 | .122 | 2250 | 79460 | 83 | .0362 |
| 100 | 3531 | 267 | .117 | 2500 | 88290 | 80 | .0349 |
| 125 | 4414 | 246 | .107 | 3000 | 105900 | 75 | .0327 |
| 150 | 5297 | 230 | .100 | 4000 | 141300 | 67 | .0293 |
| 175 | 6180 | 217 | .0947 | 5000 | 176600 | 62 | .0271 |
| 200 | 7063 | 206 | .0900 | 6000 | 211900 | 58 | .0253 |
| 250 | 8829 | 190 | .0830 | 8000 | 282500 | 52 | .0227 |
| 300 | 10590 | 177 | .0773 | 10000 | 353100 | 48 | .0210 |
| 350 | 12360 | 167 | .0730 | 15000 | 529700 | 41 | .0179 |
| 400 | 14130 | 159 | .0694 | 20000 | 706300 | 37 | .0162 |
| 450 | 15890 | 152 | .0664 | 25000 | 882900 | 34 | .0148 |

FACILITY PERMIT TO OPERATE US GOVT. VETERANS AFFAIRS MEDICAL CENTER

APPENDIX B: RULE EMISSION LIMITS [RULE 404 02-07-1986]

| Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | | Volume Discharged Calculated as Dry Gas At Standard Conditions | | Maximum Concentration of Particulate Matter Allowed in Discharged Gas Calculated as Dry Gas at Standard Conditions | |
|--|--------------------------------|--|--------------------------|--|--------------------------------|---|-----------------------------|
| | | Milligrams per Cubic Meter | Grains per Cubic Foot | | | Milligrams per Cubic Meter | Grains per Cubic Foot |
| Cubic meters Per Minute | Cubic feet Per Minute | | | Cubic meters Per Minute | Cubic feet Per Minute | | |
| 500 | 17660 | 146 | .0637 | 30000 | 1059000 | 32 | .0140 |
| 600 | 21190 | 137 | .0598 | 40000 | 1413000 | 28 | .0122 |
| 700 | 24720 | 129 | .0563 | 50000 | 1766000 | 26 | .0114 |
| 800 | 28250 | 123 | .0537 | 70000 or more | 2472000 or more | 23 | .0100 |

