FACILITY PERMIT TO OPERATE

EASTERN MUNICIPAL WATER DISTRICT
17140 KITCHING ST
MORENO VALLEY, CA 92551

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

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

FACILITY PERMIT TO OPERATE
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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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Permit to Construct and Temporary Permit to Operate
(Section H)

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are 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 AT THIS FACILITY:

Application number	Equipment Description	Page Number
474814	SEWAGE TREATMENT (> 5 MG/D) ANAEROBIC	3
499768	FLARE, ENCLOSED LANDFILL/DIGESTER GAS	7
499769	I C E (>500 HP) EM ELEC DIESEL	11

NOTE: EQUIPMENT LISTED ABOVE 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 WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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PERMIT TO CONSTRUCT

GRANTED AS OF: August 28, 2009
A/N 474814

Equipment Description:

ALTERATION OF PERMIT TO OPERATE G1450 (APPL.NO.455648):

SEWAGE TREATMENT PLANT, 17.1 MGD CAPACITY, CONSISTING OF:

I. PRELIMINARY TREATMENT PROCESS COMPRISED OF:

1. ONE 22-MGD INFLUENT PUMP STATION VENTED TO ODOR CONTROL EQUIPMENT CONSISTING OF:
   A. FOUR BAR SCREENS
   B. ONE GRIT CHAMBER, 18' DIA. X 18' H.

II. CONVENTIONAL ACTIVATED SLUDGE (ANAEROBIC) PLANT NO.1, 10 MGD CAPACITY CONSISTING OF:

1. SIX GRIT CHAMBERS, EACH 12' L. X 9' W. X 10' D.
2. EIGHT PRIMARY CLARIFIERS, EACH 65' L. X 15' W. X 10' D.
3. SIX AERATION BASINS, EACH 150' L. X 30' W. X 15' D.
4. SIX SECONDARY CLARIFIERS, EACH 88' L. X 16' W. X 10' D.
5. EIGHT SECONDARY CLARIFIERS, EACH 84' L. X 12' W. X 10' D.
6. TWO DISSOLVED AIR FLOATATION TANKS, EACH 30' DIA. X 6' D.
7. ONE INFLUENT EQUALIZATION BASIN, 150' L. x 150' W. x 15' D.

III. AEROBIC SEWAGE TREATMENT, PLANT NO. 2 CONSISTING OF:

1. ANOXIC ZONE 1, 0.3 MG CAPACITY.
2. AEROBIC ZONE 1, 0.49 MG CAPACITY.
3. ANOXIC ZONE 2, 0.22 MG CAPACITY.
4. AEROBIC ZONE 2, 0.77 MG CAPACITY.
5. ANOXIC ZONE 3, 0.4 MG CAPACITY.
6. AEROBIC ZONE 3, 0.54 MG CAPACITY.
7. TWO SECONDARY CLARIFIERS, 125'-0" DIA. X 14'-0" H.

IV. TERTIARY SEWAGE TREATMENT PLANT CONSISTING OF:

1. TWO FLOW EQUALIZATION BASINS, 2.4 MILLION GALLON TOTAL CAPACITY.
2. ONE FLOCCULATION BASIN, 43,758 GALLONS CAPACITY.
3. TWELVE TERTIARY FILTERS, SAND BED TYPE, EACH WITH 200 SQ.FT. FILTER AREA.
4. ONE CHLORINE INJECTION/SPLITTER BOX.
5. TWO CHLORINE CONTACT BASINS, FIVE PASS, EACH 110'-0" L X 64'-0" W. X 11'-0" D. WITH TOTAL OF 16 MILLION GALLONS CAPACITY.

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6. ONE TERTIARY EFFLUENT PUMP STATION.
7. TWO 30-TON CHLORINE COMPRESSED LIQUID/GAS STORAGE VESSELS VENTED TO AN EMERGENCY VENTILATION AND CONTROL SYSTEM (RULE 219 (d)(9) EXEMPT).

V. SEWAGE SLUDGE HANDLING AND STORAGE FACILITY CONSISTING OF:

1. FOUR FIXED ROOF ANAEROBIC DIGESTERS, EACH 48'-0" DIA. X 22'-0" D
2. ONE FIXED ROOF ANAEROBIC DIGESTER, 75'-0" X 29'-0" H.
3. ONE ENCLOSED, BELOW GRADE, SLUDGE HOLDING TANK, 35'-0" DIA. X 15'-0" D., VENTED TO DIGESTER GAS COLLECTION SYSTEM.
4. ONE DIGESTER GAS STORAGE SPHERE, 35'-0" DIA. AND 22,449 CUBIC FEET CAPACITY
5. TWO FILTER BELT PRESSES, ENCLOSED AND ASSOCIATED POLYMER SYSTEM, VENTED TO ODOR CONTROL EQUIPMENT.
6. ONE SLUDGE OFFLOADING STATION WITH ASSOCIATED CONVEYOR SYSTEM.
7. EIGHTEEN SEWAGE SLUDGE DRYING BEDS, EACH 100' L. X 40' W. X 1' D.
8. BOILER, NATURAL GAS-FIRED, RALPH B. CARTER CO., MODEL NO. H1500C41-GX, 1.5 MMBTU/HR (RULE 219 EXEMPT)
9. THREE ROTARY DRUM THICKENERS, 240 GALLON PER MINUTE CAPACITY.
10. ONE CENTRIFUGE

VI. TREATED SEWAGE EFFLUENT EVAPORATION/PERCOLATION STORAGE PONDS CONSISTING OF:

1. TWO EVAPORATION/PERCOLATION EFFLUENT STORAGE PONDS, EACH 31.0 MG CAPACITY, 670'-0" ' L. X 326' W. X 375'-0" W. X 21'-0" D.
2. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 30 MG CAPACITY, 662'-0" L. X 353'-0" W. X 22'-0" D.
3. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 31 MG CAPACITY, 662'-0" L. X 353'-0" W. X 22'-0" D.
4. TWO EVAPORATION/PERCOLATION EFFLUENT STORAGE PONDS, EACH 12.65 MG CAPACITY, 370'-0" L. X 331'-0" W. X 22'-0" D. (EXISTING- NO CHANGE)
5. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 12.23 MG CAPACITY, 362'-0" L. X 329'-0" W. X 22'-0" D.
6. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 12.01 MG CAPACITY, 359'-0" L. X 327'-0" W. X 22'-0" D.
7. ONE L-SHAPED EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 44.20 MG CAPACITY, 1,080'-0" L. X 250'-0" W. X 745'-0" L. X 413'-0" W. X 335'-0" L. X 663'-0" W. X 22' -0" D.
8. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 12.30 MG CAPACITY, 357'-0" L. X 335'-0" W. X 22'-0" D.
9. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 11.99 MG CAPACITY, 363'-0" L. X 323'-0" W. X 22' -0"D.
10. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 11.62 MG CAPACITY, 356'-0" L. X 321'-0" W. X 22' -0"D.
11. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 15.16 MG CAPACITY, 391'-0" L. X 363'-0" W. X 22'-0" D.
12. ONE EVAPORATION/PERCOLATION EFFLUENT STORAGE POND, 15.00 MG CAPACITY, 393'-0" L. X 358'-0" W. X 22'-0" D.

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VII. STORM WATER POND

1. ONE STORM WATER COLLECTION POND,358'-0" X 344'-0" L. X 20'-0" D.

BY THE ADDITION OF:

1. ONE GRIT CHAMBER, VORTEX, 18'-0" DIA. (Preliminary Treatment)
2. TWO SECONDARY CLARIFIERS, EACH 125'-0" DIA. X 14'-0" D. (Plant 2)
3. ONE DIGESTER, ACID PHASE, 4 CHAMBERS, EACH 20'-0" W. X 20'-0" L. X 21'-0" H. (Sludge Handling and Storage)
4. ONE DIGESTER, METHANE-PHASE, 70'-0" DIA. X 29'-0" H. (Sludge Handling and Storage)
5. TWO DIGESTED SLUDGE STORAGE TANKS, 48'-0" DIA. X 18'-0" H. (Sludge Handling and Storage)
6. ONE LOW PRESSURE DIGESTER GAS STORAGE TANK, 7,500 CUBIC FEET CAPACITY. (Sludge Handling and Storage)
7. ONE FERRIC ACID STORAGE TANK, 2,600 GALLON CAPACITY
8. FOUR TERTIARY FILTERS, ROTARY DISC CLOTH, EACH 636 SQ.FT. (Tertiary Sewage Treatment)
9. SLUDGE OVERFLOW STORAGE TANK (CONVERTED FROM SLUDGE HOLDING TANKS (VI)(3)
10. ONE CHLORINE CONTACT BASIN, FIVE PASS, EACH 110'-0" L. X 64'-0" W. X 11'-0" D. WITH TOTAL CAPACITY OF 8 MG.

BY THE REMOVAL OF:

1. TWO DIGESTERS, METHANE-PHASE, 48'-0" DIA. X 21'-0" H.
2. ONE DIGESTED SLUDGE STORAGE TANKS, 30'-0" DIA. X 14'-6" H.

AND BY THE INCREASE OF INFLUENT FLOW CAPACITY TO 17.4 MGD (EXCEPT DURING WET WEATHER CONDITIONS)

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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]

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4. THE MAXIMUM DAILY INFLUENT WASTEWATER TREATED BY THIS EQUIPMENT, ON AN ANNUAL BASIS, SHALL NOT EXCEED 17.4 MILLION GALLONS PER DAY (MGD), EXCEPT DURING WET WEATHER CONDITIONS.
[RULE 1303]

5. HEADWORKS AND DIGESTER GAS SHALL ONLY BE VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL OPERATION AND WHICH HAS BEEN ISSUED AN OPERATING PERMIT BY THE SCAQMD.
[RULE 1303]

6. ALL SLUDGE SHALL BE PIPED AND STORED IN AN ENCLOSED MANNER TO PREVENT THE RELEASE OF AIR CONTAMINANTS UNTIL AFTER IT IS DEWATERED.
[RULE 1303]

7. AT LEAST ONE SAMPLE OF THE TREATED DIGESTER GAS DOWNSTREAM OF THE GAS PURIFIER SHALL BE ANALYZED DAILY FOR H2S AND RECORDED. ANALYTICAL METHOD SHALL BE APPROVED BY THE EXECUTIVE OFFICER.
[RULE 431.1]

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PERMIT TO CONSTRUCT

GRANTED AS OF: January 1, 2010
A/N 499768

Equipment Description:

DIGESTER GAS FLARING SYSTEM CONSISTING OF:

1. HYDROGEN SULFIDE REMOVAL VESSEL.
2. SEDIMENT TRAP.
3. FLAME ARRESTER
4. ENCLOSED FLARE, BEKAERT, MODEL CEB 50, 1,700,000 BTU/HR, 1'- 5" DIA. X 14'-0" H.

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 EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]

4. THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK WHENEVER THE FLARE IS IN OPERATION.
[RULE 1303]

5. AT LEAST TWO (2) SAMPLING PORTS SHALL BE PROVIDED IN THE FLARE STACK AT LEAST ONE-HALF DUCT DIAMETER UPSTREAM OF THE FLARE OUTLET, 90 DEGREES APART. EACH SAMPLING PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ALL PORTS SHALL BE PROPERLY CENTERED. AN EQUIVALENT METHOD OF EMISSION SAMPLING MAY BE USED UPON APPROVAL BY THE EXECUTIVE OFFICER. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED WITHIN 48 HOURS NOTICE BY SCAQMD.
[RULE 217]

6. A SAMPLING PORT SHALL BE INSTALLED AT THE INLET GAS LINE TO THE FLARE TO ALLOW THE COLLECTION OF A DIGESTER GAS SAMPLE.
[RULE 217]

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7. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES F, AS MEASURED BY AN APPROVED TEMPERATURE INDICATOR, SHALL BE MAINTAINED WITHIN 28 INCHES OF THE MESH BURNER.
[RULE 1303]

8. THE FLARE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUT-DOWN SYSTEM WITH A FAILURE ALARM, WHICH HAS BEEN APPROVED BY THE SCAQMD, TO AUTOMATICALLY ISOLATE THE FLARE FROM THE DIGESTER GAS SUPPLY LINE, SHUT OFF THE BLOWER AND IMMEDIATELY NOTIFY A RESPONSIBLE PARTY OF THE SHUT-DOWN.
[RULE 1303]

9. THE AUTOMATIC SHUT-DOWN SAFETY SYSTEM SHALL BE TESTED MONTHLY FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303]

10. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE DIGESTER GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE QUANTITY OF DIGESTER GAS (IN SCFM) BEING BURNED IN THE FLARE.
[RULE 1303]

11. THE TOTAL VOLUME OF DIGESTER GAS BURNED IN THE FLARE SHALL NOT EXCEED 95 STANDARD CUBIC FEET PER MINUTE.
[RULE 1303]

12. THE HEAT INPUT THROUGH THE FLARE SHALL NOT EXCEED 1.7 MILLION BTU'S PER HOUR.
[RULE 1303]

13. WEEKLY READINGS OF BTU CONTENT OF THE GAS AT THE INLET TO THE FLARE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE SCAQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 1303]

14. ALL DIGESTER GAS COLLECTED SHALL BE DIRECTED EITHER TO THE FLARE FOR COMBUSTION OR TO A TREATMENT FACILITY WHICH HAS A VALID PERMIT TO CONSTRUCT OR OPERATE, AS APPLICABLE, FROM THE SCAQMD.
[RULE 1303]

15. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303]

16. THE MAXIMUM FLARE SKIN TEMPERATURE AT ANY LOCATION SHALL NOT EXCEED 250 DEGREES F.
[RULE 1303]

17. OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF ANY RAW DIGESTER GAS INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF RAW DIGESTER GAS SHALL BE REPORTED TO THE SCAQMD WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 217]

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18. WITHIN 180 DAYS OF INITIAL START-UP, UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER, THE APPLICANT SHALL CONDUCT PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN THIRTY (30) DAYS AFTER TESTING. WRITTEN NOTICE OF THE TEST SHALL BE PROVIDED TO THE SCAQMD TEN (10) DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST SIXTY (60) DAYS PRIOR TO THE START OF TESTS.

    THE TEST SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET GAS TO THE FLARE AND THE FLARE EXHAUST FOR:

    A. METHANE
    B. TOTAL NON-METHANE ORGANICS
    C. OXIDES OF NITROGEN (EXHAUST ONLY)
    D. CARBON MONOXIDE (EXHAUST ONLY)
    E. TOTAL (PM10) PARTICULATES (EXHAUST ONLY)
    F. HYDROGEN SULFIDE (INLET ONLY)
    G. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED)(INLET ONLY)
    H. CARBON DIOXIDE
    I. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO, ACETYLENE, ACROLEIN, BENZENE, CHLOROBENZENE, CHLOROFORM, DICHLOROBENZENE, 1,2-DICHLOROETHANE, FORMALDEHYDE, TETRACHLOROETHYLENE, TOLUENE, 1,1,1-TRICHLOROETHANE, TRICHLOROETHYLENE, VINYL CHLORIDE, AND XYLENE ISOMERS (EXHAUST ONLY)
    J. OXYGEN
    K. NITROGEN
    L. MOISTURE CONTENT
    M. TEMPERATURE
    N. FLOW RATE
    O. BTU VALUE

    [RULE 1303]

19. APPLICANT SHALL PERFORM A FULL RISK ASSESSMENT ON THE EMISSIONS FROM THE FLARE WITHIN NINETY (90) DAYS AFTER REQUEST FROM THE SCAQMD IF THE SOURCE TEST RESULTS SHOW THE EMISSIONS ARE GREATER THAN THAT CALCULATED UNDER THE PERMIT TO CONSTRUCT EVALUATION.
    [RULE 1401]

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20. APPLICANT SHALL SUBMIT FINAL DESIGN SPECIFICATIONS AND DIMENSIONS IN SUFFICIENT DETAIL TO DEMONSTRATE COMPLIANCE WITH FOLLOWING REQUIREMENTS. FOLLOWING SUBMITTAL, WRITTEN APPROVAL OF SUCH SPECIFICATIONS AND PLANS SHALL BE OBTAINED FROM SCAQMD PRIOR TO STARTING CONSTRUCTION.

    A. SEDIMENT KNOCKOUT TANK, MAKE, MODEL NO., AND EFFICIENCY.
    B. BLOWER MAKE AND MODEL NO.
    C. FLAME ARRESTOR MAKE AND MODEL NO.
    D. FLARE MAKE, MODEL NO., DIAMETER, HEIGHT, FLOW RATE, VELOCITY, COMBUSTION
    E. AIR AND TEMPERATURE CONTROL SYSTEM, AUTOMATIC NOTIFICATION SYSTEM,
    F. GUARANTEED EMISSION RATES OF NOX AND CO, AND GUARANTEED DESTRUCTION RATES OF NMHC AND TOXICS.
    G. DISTANCE FROM MESH BURNER TO TEMPERATURE MEASURING DEVICE.

    [RULE 1401]

21. THE CONCENTRATION OF H2S IN THE TREATED DIGESTER GAS VENTED TO THE FLARE SHALL NOT EXCEED 40 PPM
    [RULE 431.1]

Emissions and Requirements:

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

PM:	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS	
PM:	0.1	GR/SCF, RULE 409
PM10:	26	LBS/MMCF, RULE 1303
NOX:	0.25	LB/MMBTU, RULE 1303
VOC:	0.005	LBS/MMBTU, RULE 1303
CO:	0.06	LBS/MMBTU RULE 1303
CO:	2000	PPMV, RULE 407

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PERMIT TO CONSTRUCT

GRANTED AS OF: January 1, 2010
A/N 499769

Equipment Description:

INTERNAL COMBUSTION ENGINE, DETROIT DIESEL, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL T1238A36, 2328 BHP, DIESEL FUELED, DRIVING AN EMERGENCY ELECTRICAL GENERATOR, OR AN EQUIVALENT SCAQMD CERTIFIED EQUIPMENT.

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 TOTALIZING TIMER SHALL BE INSTALLED AND MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.
[RULE 1110.2, 40CFR Subpart IIII]

4. AN ENGINE OPERATING LOG SHALL BE KEPT AND MAINTAINED ON FILE TO RECORD WHEN THIS ENGINE IS STARTED MANUALLY. THE LOG SHALL LIST THE DATE OF OPERATION, THE TIMER READING IN HOURS AT THE BEGINNING AND END OF OPERATION, AND THE REASON FOR OPERATION FOR A MINIMUM OF THREE YEARS FROM THE DATE OF ENTRY AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. THE TOTAL HOURS OF OPERATION (INCLUDING HOURS FOR MANUAL AND AUTOMATIC OPERATION) SHALL BE RECORDED SOMETIME DURING THE FIRST 15 DAYS OF JANUARY OF EACH YEAR.
[RULE 1110.2, RULE 1470]

5. THIS ENGINE SHALL NOT OPERATE MORE THAN 200 HOURS IN ANY ONE YEAR, WHICH INCLUDES NO MORE THAN 4.2 HOURS IN ANY ONE MONTH AND 50 HOURS IN ANY ONE YEAR FOR MAINTENANCE AND TESTING
[RULE 1470]

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6. OPERATION BEYOND THE 50 HOURS PER YEAR ALLOCATED FOR ENGINE MAINTENANCE AND TESTING SHALL BE ALLOWED ONLY IN THE EVENT OF A LOSS OF GRID POWER OR UP TO 30 MINUTES PRIOR TO A ROTATING OUTAGE, PROVIDED THAT THE UTILITY DISTRIBUTION COMPANY HAS ORDERED ROTATING OUTAGES IN THE CONTROL AREA WHERE THE ENGINE IS LOCATED OR HAS INDICATED THAT IT EXPECTS TO ISSUE 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. THE OPERATOR SHALL USE ONLY DIESEL FUEL WITH A SULFUR CONTENT THAT DOES NOT EXCEED 15 PPM BY WEIGHT.
[RULE 431.2, RULE 1470]

8. THE OPERATOR SHALL PROVIDE THE FINAL EQUIPMENT SPECIFICATIONS, AND EMISSION CERTIFICATIONS, MORE THAN 30 DAYS PRIOR TO INSTALLATION.
[RULE 204]

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	
PM10:	0.12	G/BHP-HR, RULE 1303
PM10:	0.15	G/BHP-HR, 40CFR Subpart IIII
NOX:	4.0	G/BHP-HR, RULE 1303, 40CFR Subpart IIII
VOC:	0.19	G/BHP-HR, RULE 1303, 40CFR Subpart IIII
CO:	0.82	G/BHP-HR, RULE 1303
CO:	2.61	G/BHP-HR, 40CFR Subpart IIII