



## FACILITY PERMIT TO OPERATE

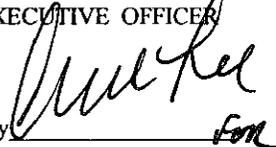
**INLAND EMPIRE UTL AGEN, A MUN WATER DIS  
2450 PHILADELPHIA AVE  
ONTARIO, CA 91761**

### 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   
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Deputy Executive Officer  
Engineering & Compliance



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

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**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, copies of all individual 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. Also included is the rule origin and authority of each emission limit and permit condition.



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMITTED EQUIPMENT LIST**

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

<b>Application No.</b>	<b>Permit No.</b>	<b>Equipment description</b>	<b>Page No.</b>
02723E	E04946	FLARE, ENCLOSED LANDFILL/DIGESTER GAS	4
235084	R-D33657	ICE (>500 HP) EMERGENCY ELEC. GEN DIESEL	5
299058	R-D87103	ICE (>500 HP) EMERGENCY ELEC. GEN DIESEL	7
299059	R-D87104	ICE (>500 HP) EMERGENCY ELEC. GEN DIESEL	9
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501289	G30587	SEWAGE TREATMENT (>5 MGD) AEROBIC	13
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**NOTE:** 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.



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**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 MONITOR FOR TOTAL SULFUR CONCENTRATION USING COLORIMETRIC TUBES, OR OTHER ALTERNATIVE METHOD APPROVED BY THE EXECUTIVE OFFICER, ON A DAILY BASIS AND RECORD THE SULFUR CONTENT ALONG WITH THE MAXIMUM DAILY DIGESTER GAS PRODUCTION RATE. THE RESULTS SHALL BE MAINTAINED ON SITE. IN ADDITION, EACH QUARTER, SCAQMD 307-91 ANALYSIS SHOULD BE PERFORMED TO VERIFY AND COMPARE THE COLORIMETRIC OR ALTERNATIVE METHOD RESULTS. AN ANNUAL SUMMARY REPORT SHOULD BE SUBMITTED TO THE SCAQMD BY FEBRUARY 1 OF EACH NEW YEAR.  
[RULE 431.1]
3. THE FACILITY SHALL EMIT LESS THAN 5 POUNDS PER DAY TOTAL SULFUR COMPOUNDS, CALCULATED AS H<sub>2</sub>S, FROM THE BURNING OF GASEOUS FUELS OTHER THAN NATURAL GAS.  
[RULE 431.1, RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT. ON OR AFTER JUNE 1, 2004, A PERSON SHALL NOT PURCHASE ANY DIESEL FUEL FOR STATIONARY SOURCE APPLICATION IN THE DISTRICT, UNLESS THE FUEL IS LOW SULFUR DIESEL FOR WHICH THE SULFUR CONTENT SHALL NOT EXCEED 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.  
[RULE 431.2]



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. E04946  
A/N 02723E**

**Equipment Description and Conditions:**

WASTE GAS FLARE ASSEMBLY, VAREC MODEL 239, WITH A 6" GAS BURNER, RATED AT 13,000,000 BTU/HR.

**Emissions and Requirements:**

1. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
CO: 2000 PPMV, RULE 407  
PM: 0.1 gr/scf, RULE 409  
PM: RULE 404



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. R-D33657  
A/N 235084**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, CATERPILLAR, DIESEL-FUELED, EMERGENCY ELECTRICAL GENERATION, MODEL 3412TA, TURBOCHARGED, AFTERCOOLED, 12 CYLINDERS 895 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 AND MAINTAINED SO AS TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1304(a)(4)-Modeling and Offset Exemption]
4. THIS ENGINE SHALL NOT BE OPERATED MORE THAN 199 HOURS IN ANY ONE YEAR.  
[RULE 1303(a)(1)-BACT]
5. A DAILY LOG LISTING THE ENGINE OPERATING TIME, IN HOURS, SHALL BE KEPT. THE LOG SHALL BE MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1)-BACT, RULE 1304(a)(4)- Modeling and Offset Exemption]
6. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO STANDARD TIMING.  
[RULE 1303(a)(1)-BACT]
7. THIS ENGINE SHALL NOT BE USED IN CONJUNCTION WITH ANY UTILITY VOLUNTARY DEMAND REDUCTION PROGRAM.  
[RULE 1304(a)(4)- Modeling and Offset Exemption]
8. EXCEPT FOR MAINTENANCE TESTING PURPOSES, THIS ENGINE SHALL ONLY OPERATE DURING UTILITY POWER FAILURE PERIODS.  
[RULE 1304(a)(4)- Modeling and Offset Exemption]

**THIS PERMIT TO OPERATE R-D33657 SUPERSEDES PERMIT TO OPERATE D33657 ISSUED 11/06/1990**



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### 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  
PM: RULE 1470



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. R-D87103  
A/N 299058**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, NO. 1, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3512 DITA (1250 KW), 1801 BHP, DIESEL-FUELED, 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. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1304(a)(4)- Modeling and Offset Exemption]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1303(a)(1)-BACT]
6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1304(a)(4)- Modeling and Offset Exemption]
7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN REQUIREMENTS TO COMPLY WITH SCAQMD CERTIFIED EQUIPMENT.  
[RULE 1303(a)(1)-BACT]

**THIS PERMIT TO CONSTRUCT/OPERATE R-D87103 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE D87103 ISSUED 12/14/1994.**



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### Emissions and Requirements:

8. 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



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. R-D87104  
A/N 299059**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, NO. 2, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3512 DITA (1250 KW), 1801 BHP, DIESEL-FUELED, 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. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1304(a)(4)- Modeling and Offset Exemption]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1303(a)(1)-BACT]
6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1304(a)(4)- Modeling and Offset Exemption]
7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN REQUIREMENTS TO COMPLY WITH SCAQMD CERTIFIED EQUIPMENT.  
[RULE 1303(a)(1)-BACT]

**THIS PERMIT TO CONSTRUCT/OPERATE R-D87104 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE D87104 ISSUED 12/14/1994.**



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### Emissions and Requirements:

8. 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



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. R-D87105  
A/N 299060**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, NO. 3, CATERPILLAR, 12 CYLINDERS, TURBOCHARGED, AFTERCOOLED, MODEL NO. 3512 DITA (1250 KW), 1801 BHP, DIESEL-FUELED, 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. A TIMER SHALL BE MAINTAINED TO INDICATE THE ENGINE ELAPSED OPERATING TIME.  
[RULE 1110.2, RULE 1304(a)(4)- Modeling and Offset Exemption]
4. OPERATION OF THIS ENGINE FOR MAINTENANCE TESTING SHALL NOT EXCEED 0.5 HOUR A WEEK.  
[RULE 1303(a)(1)-BACT]
5. THE OPERATING TIME OF THIS ENGINE SHALL NOT EXCEED 199 HOURS IN ANY ONE YEAR.  
[RULE 1303(a)(1)-BACT]
6. AN ENGINE OPERATING LOG LISTING THE DATE OF OPERATION, THE ELAPSED TIME, IN HOURS, AND THE REASON FOR OPERATION SHALL BE KEPT AND MAINTAINED ON FILE FOR A MINIMUM OF FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1304(a)(4)- Modeling and Offset Exemption]
7. THE FUEL INJECTION TIMING OF THIS ENGINE SHALL BE SET AND MAINTAINED AT 4 DEGREES RETARDED RELATIVE TO PRODUCTION TIMING AS ESTABLISHED BY CATERPILLAR IN PRODUCT NEWS BULLETIN REQUIREMENTS TO COMPLY WITH SCAQMD CERTIFIED EQUIPMENT.  
[RULE 1303(a)(1)-BACT]

**THIS PERMIT TO CONSTRUCT/OPERATE R-D87105 SUPERSEDES PERMIT TO CONSTRUCT/OPERATE D87105 ISSUED 9/17/1996.**



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**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

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**Emissions and Requirements:**

8. 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



**FACILITY PERMIT TO OPERATE  
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**PERMIT TO OPERATE**

**Permit No. G30587  
A/N 501289**

**Equipment Description:**

WASTEWATER TREATMENT PLANT (REGIONAL PLANT NO. 1), 44 MGD CAPACITY, CONSISTING OF:

**A. PRIMARY TREATMENT:**

1. HEADWORKS WITH FOUR CLIMBER SCREENS, A CONVEYOR, AN AERATED GRIT CHAMBER, 50'-0" L. X 20'-0" W. X 15'-0" D, WITH TWO 5 HP BLOWERS, A PISTA GRIT CHAMBER, TWO GRIT SEPARATORS, AND A RAG COMPACTOR.
2. FERRIC CHLORIDE STORAGE AND INJECTION FACILITY, 13,000 GALLON CAPACITY.
3. SODIUM HYPOCHLORITE STORAGE AND INJECTION FACILITY FOR ALTERNATE USE WITH HYDROGEN PEROXIDE.
4. TEN PRIMARY CLARIFIERS, RECTANGULAR, EACH 175' L. X 20'-0" W. X 13'-0" D., WITH FIVE SLUDGE COLLECTORS, TEN SCUM REMOVERS AND ASSOCIATED SLUDGE/SCUM PUMPS.
5. THREE EQUALIZATION LAGOONS, PRIMARY EFFLUENT, ONE LAGOON 5,800,000 GALLON CAPACITY WITH TWO SURFACE AERATORS, ONE LAGOON 6,200,000 GALLON CAPACITY WITH TWO SURFACE AERATORS, AND ONE LAGOON 10,300,000 GALLON CAPACITY.
6. TWO PRIMARY CLARIFIERS, 100' DIA. X 9'-0" D.

**B. SECONDARY TREATMENT:**

7. INTERMEDIATE PUMP STATION, WITH FIVE PUMPS, 75 HP EACH, AND FIVE PUMPS, 60 HP EACH.
8. SIX AERATION BASINS, EACH 252'-6" L. X 67'-0" W. X 18'-5" D., WITH DIFFUSED AIR PANEL AERATORS, AND A BLOWER BUILDING WITH FOUR BLOWERS, 700 HP EACH, WITH ASSOCIATED PUMPS AND MIXERS.
9. SIX SECONDARY CLARIFIERS, FOUR 120' DIA. X 14'-0" D., AND TWO 130' DIA. X 14'-0" D., EACH WITH SLUDGE COLLECTOR.

**C. SOLIDS HANDLING:**

10. THREE DISSOLVED AIR FLOTATION (DAF) THICKENERS, EACH WITH SURFACE SCUM COLLECTOR, WITH THREE RECIRCULATION PUMPS, 75 EACH.
12. SLUDGE GRAVITY THICKENER, 70' DIA. X 14'-0" D.
13. SLUDGE BLENDING TANK (ALSO KNOWN AS ACID MANURE DIGESTER- AMD), 14'-3" L. X 20'-0" W. X 31'-0" H.



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14. TWO DIGESTERS, ANAEROBIC, FLOATING ROOF, EACH 65' DIA. X 30'-0" D.
15. FIVE DIGESTERS, ANAEROBIC, FIXED ROOF, TWO 65' DIA. X 30'-0" D., AND ONE 80' DIA. X 30'-0" D., AND TWO 90' DIA. X 33'-6" D.
16. DIGESTER GAS COLLECTION SYSTEM WITH THREE DIGESTER GAS COMPRESSORS, 125 HP EACH.
17. TWO DIGESTER GAS SULFUR REMOVAL TREATMENT SYSTEMS (IRON SPONGE).
18. CENTRIFUGE SLUDGE DEWATERING FACILITY WITH FOUR CENTRIFUGES, EIGHT SLUDGE SCREW CONVEYORS, CENTRIFUGE DISCHARGE CHUTES, CENTRATE WET WELL, PLANT DRAIN WET WELL, TWO SLUDGE STORAGE SILOS.
19. SLUDGE GRAVITY THICKENER, 40'-6" DIA. X 12' D.
- D. TERTIARY TREATMENT:**
20. TWO FLOCCULATION BASINS, EACH WITH FOUR FLOCCULATORS.
21. TWO SETTLING BASINS, EACH WITH TWO SLUDGE COLLECTORS.
22. TWENTY-SIX DUAL MEDIA FILTERS, ANTHRACITE COAL AND SAND, EACH 300 SQUARE FEET SURFACE AREA.
23. THREE CHLORINE CONTACT BASINS, SERPENTINE TYPE.
24. THREE SODIUM HYPOCHLORITE (SHC) STORAGE TANKS, EACH 10,000 GALLON CAPACITY.
25. DECHLORINATION FACILITY WITH TWO 12,500 GALLON SODIUM BISULFATE SOLUTION STORAGE TANKS, SIX SBS METERING PUMPS, AND TWO SUBMERGED DIFFUSERS LOCATED IN THE CHLORINE CONTACT BASINS.
26. RECYCLED WATER PUMP STATION.

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



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4. HEADWORKS AND CLIMBER SCREENS SHALL NOT BE OPERATED UNLESS IT IS VENTED TO AIR POLLUTION CONTROL (APC) SYSTEM WHICH IS IN FULL OPERATION AND HAS A VALID PERMIT TO CONSTRUCT OR OPERATE ISSUED BY THE SCAQMD.  
[RULE 204]
5. THE DAILY TOTAL FLOW, IN MILLION GALLONS PER DAY (MGD), OF WASTEWATER PROCESSED BY THIS TREATMENT PLANT SHALL BE MEASURED AND RECORDED.  
[RULE 1303(b)(2)-Offsets]
6. THE DAILY QUANTITY OF WASTEWATER, AVERAGED ON A CALENDAR MONTH, TREATED BY THIS PLANT SHALL NOT EXCEED FORTY-FOUR (44) MILLION GALLONS PER DAY, EXCEPT DURING WET WEATHER PERIODS AND EMERGENCY PERIODS INVOLVING PUBLIC HEALTH AND SAFETY.  
[RULE 1303(b)(2)- Offsets]
7. FATS, OILS, AND GREASE (FOG), MANURE, AND FOOD WASTE SHALL NOT BE DIGESTED IN THIS EQUIPMENT.  
[RULE 204]
8. A TOTALIZING FLOW METER SHALL BE INSTALLED TO MEASURE THE AMOUNT OF DIGESTER GAS COMBUSTED DAILY.  
[RULE 1303(b)(2)- Offsets]
9. TOTAL SULFUR CONTENT OF THE DIGESTER GAS, WITH RESPECTIVE DAILY DIGESTER GAS FLOW RATE, SHALL BE MONITORED AND RECORDED ON A DAILY BASIS.  
[RULE 431.1]
10. ALL OF THE DIGESTER GAS PRODUCED AT THIS FACILITY SHALL BE TREATED IN THE DIGESTER GAS SULFUR REMOVAL TREATMENT SYSTEM AND COMBUSTED IN EQUIPMENT WHICH HAVE VALID PERMITS TO CONSTRUCT OR OPERATE, EXCEPT DURING MAINTENANCE WORK OR CLEANING OF THE DIGESTERS AND RELATED DIGESTER GAS SYSTEM WHICH MAY REQUIRE ISOLATION OF THE DIGESTER GAS LINE.  
[RULE 204, RULE 1303(a)(1)-BACT]
11. ALL SLUDGE SHALL BE PIPED AND STORED IN AN ENCLOSED MANNER TO PREVENT THE RELEASE OF AIR CONTAMINANTS UNTIL AFTER IT IS DEWATERED.  
[RULE 204, RULE 402]
12. THE CENTRIFUGE SLUDGE DEWATERING FACILITY SHALL ONLY BE OPERATED WHEN THE EXHAUST FROM THIS FACILITY IS VENTED TO AN AIR POLLUTION CONTROL (APC) SYSTEM WITH A VALID PERMIT TO CONSTRUCT OR OPERATE.  
[RULE 204]
13. THE SLUDGE STORAGE SILOS SHALL BE VENTED TO AN AIR POLLUTION CONTROL (APC) SYSTEM WITH A VALID PERMIT TO CONSTRUCT OR OPERATE WHEN SLUDGE IS STORED IN THE SILO(S).  
[RULE 204]



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14. ALL DEWATERED SLUDGE SHALL BE CONVEYED IN AN ENCLOSED CONVEYOR UNTIL DEPOSITED INTO THE TRANSPORT BIN. WHENEVER THE BIN IS FILLED AND WHEN DEWATERING IS NOT BEING PERFORMED, THE BIN SHALL BE COMPLETELY COVERED TO PREVENT THE RELEASE OF AIR CONTAMINANTS.  
[RULE 204, RULE 402]
  
15. ALL RECORDS AS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED FOR 5 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
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**Permit No. G30588  
A/N 501290**

**Equipment Description:**

**AIR POLLUTION CONTROL SYSTEM CONSISTING OF:**

1. BIOFILTER NO. 1 (PHASE IA), CUSTOM MADE, 76'-0" W. X 86'-0" L. X 5'-6" H., OVERALL DIMENSIONS, APPROXIMATELY 6,536 SQUARE FEET SURFACE AREA, WITH A MINIMUM 6' DEPTH OF BIOFILTER MEDIA, PLENUM LAYER CONTAINING WASHED GRAVEL WITH INCOMING FOUL AIR DISTRIBUTION DUCTS, AND SURFACE IRRIGATION SYSTEM WITH TEN (10) WATER SPRINKLERS.
2. EXHAUST SYSTEM WITH TOTAL OF 22,570 CUBIC FEET PER MINUTE FOUL AIR (PHASE IA) FROM THE FOLLOWING PROCESS AREAS:
  - A. SLUDGE GRAVITY THICKENERS.
  - B. CENTRIFUGE SLUDGE DEWATERING BUILDING AND SLUDGE SILOS.

**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 EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.  
[RULE 204]
4. THIS EQUIPMENT SHALL BE OPERATED WHENEVER THE EQUIPMENT IT VENTS IS IN OPERATION, HOWEVER, THIS EQUIPMENT MAY BE SHUT DOWN FOR A PERIOD NOT EXCEEDING 96 HOURS FOR MAINTENANCE. EACH SHUTDOWN MUST BE RECORDED WITH DATE, TIME, DURATION AND PURPOSE OF THE SHUTDOWN.
5. WHEN THE EQUIPMENT IS SHUT DOWN FOR MAINTENANCE, PERIMETER MONITORING SHALL BE PERFORMED DOWN WIND OF THE VENT SOURCE(S) AND IN THE DIRECTION OF THE RESIDENTIAL AREAS AT LEAST ONCE EVERY 4 HOURS FROM 6:30 A.M. TO 4 P.M. UNTIL THE BIOFILTER IS IN OPERATION.
6. THE OPERATOR SHALL KEEP RECORDS OF MAINTENANCE PERFORMED ON THE BIOFILTER.



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

7. THE CONCENTRATIONS OF HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE BIOFILTER SURFACE SHALL BE MEASURED ON A MONTHLY BASIS, USING A PORTABLE ANALYZER, COLORIMETRIC DETECTOR TUBES, OR OTHER METHOD APPROVED BY THE EXECUTIVE OFFICER. THE MEASUREMENTS SHALL BE TAKEN FROM AT LEAST TEN EVENLY SPACED POINTS ON EACH ACTIVE CELL. MONITORING RECORDS SHALL BE KEPT AND MAINTAINED ON FILE.
  
8. ONCE EVERY SIX MONTHS, SMOKE TESTS SHALL BE CONDUCTED TO ENSURE EVEN DISTRIBUTION OF FOUL AIR THROUGH THE BIOFILTER SYSTEM.  
[RULE 204]
  
9. EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

AMMONIA	4.44 PPMV	0.22 LBS/HR
TOTAL SULFUR AS H <sub>2</sub> S	0.25 PPMV	0.02 LBS/HR.

[RULE 1401, RULE 402]
  
10. ALL RECORDS AS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED FOR 5 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. G30585  
A/N 509268**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BIOFILTER NO. 2 (PHASE IB), CUSTOM MADE, QUARTER CIRCLE SHAPE, WITH AN APPROXIMATELY 9,293 SQUARE FEET SURFACE AREA, CONTAINING APPROXIMATELY 5' DEEP BIOFILTER MEDIA LAYER, PLENUM LAYER CONTAINING INCOMING FOUL AIR DISTRIBUTION DUCTS, AND SURFACE IRRIGATION SYSTEM WITH FOURTEEN (14) WATER SPRINKLERS.
2. EXHAUST SYSTEM WITH A TOTAL OF 28,750 CUBIC FEET PER MINUTE FOUL AIR (PHASE IB) FROM THE FOLLOWING PROCESS AREAS:
  - A. HEADWORKS.
  - B. COVERED PRIMARY CLARIFIERS AND INFLUENT/EFFLUENT CHANNELS.
  - C. INTERMEDIATE PUMP STATION.

**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]
4. THIS EQUIPMENT SHALL OPERATE CONTINUOUSLY EXCEPT WHEN MAINTENANCE IS REQUIRED. WHENEVER MAINTENANCE IS PERFORMED, THE PROCESS AREAS SERVED BY THIS EQUIPMENT SHALL BE VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL OPERATION AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.  
[RULE 204]
5. THE OPERATOR SHALL KEEP RECORDS OF MAINTENANCE PERFORMED ON THE BIOFILTER.  
[RULE 204]
6. SAMPLING/TESTING PORT(S) SHALL BE PROVIDED AT THE BIOFILTER FOUL AIR INLET LINE, ADEQUATELY SPACED DOWNSTREAM AND UPSTREAM OF ANY FLOW DISTURBANCE AS PER DISTRICT GUIDELINE AND AT 90 DEGREES APART, AND SHALL CONSIST OF ADEQUATE SIZE WELDED NIPPLES WITH CAPS.  
[RULE 217]



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

7. THE CONCENTRATION OF AMMONIA AND HYDROGEN SULFIDE (H<sub>2</sub>S) EMISSIONS AT THE BIOFILTER SURFACE SHALL BE MEASURED ON A MONTHLY BASIS USING A PORTABLE ANALYZER, COLORIMETRIC DETECTOR TUBES, OR OTHER METHOD APPROVED BY THE EXECUTIVE OFFICER. THE MEASUREMENTS SHALL BE TAKEN FROM AT LEAST TEN EVENLY SPACED POINTS ON EACH ACTIVE CELL (REPRESENTATIVE OF THE ENTIRE SURFACE OF EACH CELL). MONITORING RECORDS SHALL BE KEPT AND MAINTAINED ON FILE.  
[RULE 402, RULE 1303(a)(1)-BACT]
8. ONCE EVERY SIX MONTHS, SMOKE TESTS SHALL BE CONDUCTED TO ENSURE EVEN DISTRIBUTION OF FOUL AIR THROUGH THE BIOFILTER SYSTEM.  
[RULE 204]
9. EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

AMMONIA	4 PPMV	0.3 LBS/HR
TOTAL SULFUR AS H <sub>2</sub> S	0.5 PPMV	0.075 LBS/HR

  
[RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]
10. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 204]



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. G30586  
A/N 509269**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, VERTICAL CENTRIFUGAL, PACKED TOWER, NaOH/NaOCL SOLUTION, 5'-0" DIA. X 25'-0" H., 8,000 CFM CAPACITY.
2. EXHAUST SYSTEM WITH A 15 H.P. BLOWER VENTING THE FOLLOWING PROCESS AREAS,
  - A. HEADWORKS.
  - B. COVERED PRIMARY CLARIFIERS AND INFLUENT/EFFLUENT CHANNELS.
  - C. INTERMEDIATE PUMP STATION.

**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]
4. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THIS AIR POLLUTION CONTROL SYSTEM SHALL BE MEASURED AND RECORDED AT LEAST ONCE PER DAY WHEN IN OPERATION.  
[RULE 402]
5. THE CONCENTRATION OF SULFUR COMPOUNDS MEASURED AS HYDROGEN SULFIDE (H<sub>2</sub>S) AT THE OUTLET OF THIS AIR POLLUTION CONTROL SYSTEM SHALL NOT EXCEED 1.0 PARTS PER MILLION VOLUME.  
[RULE 402]
6. THE PROCESS AREAS SERVED BY THIS EQUIPMENT SHALL BE VENTED TO AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL OPERATION AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.  
[RULE 204]



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

7. A FLOW METER INDICATING IN GALLONS PER MINUTE SHALL BE INSTALLED IN THE FRESH WATER MAKE-UP LINE ATTACHED TO THE SCRUBBER.  
[RULE 204]
8. A FLOW INDICATING DEVICE SHALL BE INSTALLED AND MAINTAINED INDICATING GALLONS PER MINUTE (GPM) IN THE SCRUBBER SOLUTION RECIRCULATION LINE. NOT LESS THAN 120 GALLONS PER MINUTE OF SOLUTION SHALL BE RECIRCULATED THROUGH EACH RECIRCULATION LINE THROUGH THE SCRUBBER WHEN THE SCRUBBER IS IN OPERATION. IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF A FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (GPM) CORRESPONDING TO THE PRESSURE READING. THE FLOW RATE SHALL BE MEASURED AND RECORDED AT EACH MONITORING EVENT, UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER.  
[RULE 204]
9. SODIUM HYDROXIDE AND SODIUM HYPOCHLORITE USAGE SHALL BE MAINTAINED. STORAGE TANK FILLING LOGS OR PURCHASE ORDERS FOR THE TANK SOLUTIONS MAY BE USED TO ESTIMATE THE DAILY USAGE.  
[RULE 204]
10. A GAUGE SHALL BE INSTALLED AND MAINTAINED TO INDICATE, IN INCHES OF WATER COLUMN, THE DIFFERENTIAL PRESSURE DROP ACROSS PACKED BED OF THE ODOR SCRUBBER. THE DIFFERENTIAL PRESSURE DROP ACROSS PACKED BED OF THE ODOR SCRUBBER SHALL BE MEASURED AND RECORDED ON A DAILY BASIS WHEN IN OPERATION. THE PRESSURE DROP READING SHALL NOT EXCEED 0.18 INCHES OF WATER COLUMN.  
[RULE 204]
11. A PH INDICATING DEVICE SHALL BE INSTALLED IN EACH SCRUBBER SOLUTION RECIRCULATION TANK TO MONITOR THE SCRUBBER SOLUTION. THE PH OF THE RECIRCULATING SCRUBBER SOLUTION SHALL BE MAINTAINED BETWEEN 9.0 AND 10.5 WHEN THE SCRUBBER IS IN OPERATION. THE PH OF THE SCRUBBING SOLUTION SHALL BE MEASURED AND RECORDED ON A DAILY BASIS WHEN IN OPERATION.  
[RULE 204]
12. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT ON FILE FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 204]

### Emissions and Requirements:

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

PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. G21889  
A/N 533317**

**Equipment Description:**

BOILER NO. 1, HURST, FIRETUBE TYPE, MODEL S45-X-250-60W, 10,500,000 BTU PER HOUR, DIGESTER OR NATURAL GAS FIRED, WITH A LOW NOX BURNER, POWER FLAME, MODEL NVCR7-GG-30.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED ON DIGESTER GAS OR NATURAL GAS ONLY.  
[RULE 204, RULE 1146]
4. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF RULE 431.1 AND RULE 1146.  
[RULE 431.1, RULE 1146]
5. A NON-RESETTABLE, TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO MEASURE AND RECORD THE FUEL USAGE IN CUBIC FEET, FOR EACH TYPE OF FUEL USED.  
[RULE 204, RULE 1146]
6. WHEN IN OPERATION, TOTAL HEAT INPUT FOR THIS EQUIPMENT SHALL NOT EXCEED 10.5 MMBTU/HR. A MONTHLY LOG SHALL BE KEPT INDICATING THE TOTAL HOURS OF OPERATION AND THE TOTAL HEATING VALUE (BTU) OF FUEL GAS BURNED IN THIS EQUIPMENT BASED ON THE RECORDED TOTALIZED FLOW (SCF) AND THE BTU CONTENT OF THE FUEL.  
[RULE 204]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT AN INITIAL SOURCE TEST AND SUBSEQUENT SOURCE TESTS ONCE EVERY THREE YEARS THEREAFTER, UNDER THE FOLLOWING CONDITIONS AND PER RULE 1146:
  - A. TESTING SHALL BE CONDUCTED BY AN APPROVED CONTRACTOR UNDER THE SCAQMD LABORATORY APPROVAL PROGRAM AND IN COMPLIANCE WITH SCAQMD RULE 304 (NO CONFLICT OF INTEREST).



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

- B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD AND SHALL BE APPROVED BY SCAQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST AND DESCRIPTIONS OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
- C. SOURCE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND AVERAGE LOADS FOR EACH FUEL (DIGESTER GAS AND NATURAL GAS). THE SAMPLING TIME AT EACH LOAD SHALL BE FOR A MINIMUM OF 15 CONSECUTIVE MINUTES.
- D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO SCAQMD WITHIN 60 DAYS OF TESTING. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- I. FUEL FLOW RATE FOR EACH FUEL.
  - II. FLUE GAS FLOW RATE FOR EACH FUEL.
  - III. METHANE CONTENT FOR DIGESTER GAS (SINGLE LOAD).
  - IV. TOTAL NON-METHANE ORGANICS FOR DIGESTER GAS (SINGLE LOAD INITIAL TEST ONLY) AND EXHAUST GAS (MAX LOAD INITIAL TEST ONLY).
  - V. SPECIATED TRACE ORGANICS FOR DIGESTER GAS (SINGLE LOAD INITIAL TEST ONLY) AND EXHAUST GAS (MAX LOAD INITIAL TEST ONLY).
  - VI. TOTAL PARTICULATES FOR EXHAUST GAS (INITIAL TEST ONLY).
  - VII. OXIDES OF NITROGEN FOR EXHAUST GAS.
  - VIII. CARBON MONOXIDE FOR EXHAUST GAS.
  - IX. CARBON DIOXIDE FOR EXHAUST GAS.
  - X. OXYGEN FOR EXHAUST GAS.
  - XI. HIGHER HEATING VALUE FOR DIGESTER GAS (SINGLE LOAD).
  - XII. TOTAL SULFUR CONTENT, AS H<sub>2</sub>S, PPMV FOR DIGESTER GAS (SINGLE LOAD).
- [RULE 404, RULE 1146, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401]
8. THE OWNER OR OPERATOR SHALL CHECK NOX AND CO EMISSIONS WITH A PORTABLE NOX, CO AND O<sub>2</sub> ANALYZER ACCORDING TO THE SCAQMD APPROVED PROTOCOL FOR RULE 1146 BY A DISTRICT APPROVED TRAINED AND CERTIFIED PERSON AT LEAST MONTHLY OR EVERY 750 UNIT OPERATING HOURS, WHICHEVER OCCURS LATER. IF A UNIT IS IN COMPLIANCE FOR THREE CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT SHALL BE CHECKED QUARTERLY OR EVERY 2,000 UNIT OPERATING HOURS, WHICHEVER OCCURS LATER, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.  
[RULE 1146]
9. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 1146]



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### 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
  - PM: 0.1 GRAIN/SCF @ 12% CO<sub>2</sub>, RULE 409
  - CO: 400 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1146
  - CO: 400 PPMV @ 3% O<sub>2</sub>, DRY BASIS OR 0.30 LBS/MMBTU FOR NATURAL GAS, RULE 1146
  - CO: 100 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1303-BACT
  - CO: 50 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR NATURAL GAS, RULE 1303-BACT
  - NO<sub>x</sub>: 30 PPMV @ 3% O<sub>2</sub>, DRY BASIS, RULE 1146
  - NO<sub>x</sub>: 15 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1146 (EFFECTIVE 1/1/2015)
  - NO<sub>x</sub>: 9 PPMV @ 3% O<sub>2</sub>, DRY BASIS OR 0.011 LBS/MMBTU FOR NATURAL GAS, RULE 1146 (EFFECTIVE 1/1/2013)
  - NO<sub>x</sub>: 30 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1303-BACT
  - NO<sub>x</sub>: 12 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR NATURAL GAS, RULE 1303-BACT



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**PERMIT TO OPERATE**

**Permit No. G21890  
A/N 533318**

**Equipment Description:**

BOILER NO. 2, HURST, FIRETUBE TYPE, MODEL S45-X-250-60W, 10, 500,000 BTU PER HOUR, DIGESTER OR NATURAL GAS FIRED, WITH A LOW NOX BURNER, POWER FLAME, MODEL NVCR7-GG-30.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITIONS AT ALL TIMES.  
[RULE 204]
3. THIS EQUIPMENT SHALL BE FIRED ON DIGESTER GAS OR NATURAL GAS ONLY.  
[RULE 204, RULE 1146]
4. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF RULE 431.1 AND RULE 1146.  
[RULE 431.1, RULE 1146]
5. A NON-RESETTABLE, TOTALIZING FUEL METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO MEASURE AND RECORD THE FUEL USAGE IN CUBIC FEET, FOR EACH TYPE OF FUEL USED.  
[RULE 204, RULE 1146]
6. WHEN IN OPERATION, TOTAL HEAT INPUT FOR THIS EQUIPMENT SHALL NOT EXCEED 10.5 MMBTU/HR. A MONTHLY LOG SHALL BE KEPT INDICATING THE TOTAL HOURS OF OPERATION AND THE TOTAL HEATING VALUE (BTU) OF FUEL GAS BURNED IN THIS EQUIPMENT BASED ON THE RECORDED TOTALIZED FLOW (SCF) AND THE BTU CONTENT OF THE FUEL.  
[RULE 204]
7. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT AN INITIAL SOURCE TEST AND SUBSEQUENT SOURCE TESTS ONCE EVERY THREE YEARS THEREAFTER, UNDER THE FOLLOWING CONDITIONS AND PER RULE 1146:
  - A. TESTING SHALL BE CONDUCTED BY AN APPROVED CONTRACTOR UNDER THE SCAQMD LABORATORY APPROVAL PROGRAM AND IN COMPLIANCE WITH SCAQMD RULE 304 (NO CONFLICT OF INTEREST).



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- B. A SOURCE TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD AND SHALL BE APPROVED BY SCAQMD BEFORE THE TEST COMMENCES. THE PROTOCOL SHALL INCLUDE PROPOSED OPERATING CONDITIONS OF THE EQUIPMENT DURING THE TEST AND DESCRIPTIONS OF ALL SAMPLING AND ANALYTICAL PROCEDURES TO BE USED.
- C. SOURCE TESTS SHALL BE PERFORMED WHEN THE BOILER IS OPERATING AT MAXIMUM, MINIMUM AND AVERAGE LOADS FOR EACH FUEL (DIGESTER GAS AND NATURAL GAS). THE SAMPLING TIME AT EACH LOAD SHALL BE FOR A MINIMUM OF 15 CONSECUTIVE MINUTES.
- D. TWO COPIES OF THE SOURCE TEST RESULTS SHALL BE SUBMITTED TO SCAQMD WITHIN 60 DAYS OF TESTING. THE REPORT SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- I. FUEL FLOW RATE FOR EACH FUEL.
  - II. FLUE GAS FLOW RATE FOR EACH FUEL.
  - III. METHANE CONTENT FOR DIGESTER GAS (SINGLE LOAD).
  - IV. TOTAL NON-METHANE ORGANICS FOR DIGESTER GAS (SINGLE LOAD INITIAL TEST ONLY) AND EXHAUST GAS (MAX LOAD INITIAL TEST ONLY).
  - V. SPECIATED TRACE ORGANICS FOR DIGESTER GAS (SINGLE LOAD INITIAL TEST ONLY) AND EXHAUST GAS (MAX LOAD INITIAL TEST ONLY).
  - VI. TOTAL PARTICULATES FOR EXHAUST GAS (INITIAL TEST ONLY).
  - VII. OXIDES OF NITROGEN FOR EXHAUST GAS.
  - VIII. CARBON MONOXIDE FOR EXHAUST GAS.
  - IX. CARBON DIOXIDE FOR EXHAUST GAS.
  - X. OXYGEN FOR EXHAUST GAS.
  - XI. HIGHER HEATING VALUE FOR DIGESTER GAS (SINGLE LOAD).
  - XII. TOTAL SULFUR CONTENT, AS H<sub>2</sub>S, PPMV FOR DIGESTER GAS (SINGLE LOAD).
- [RULE 404, RULE 1146, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401]
8. THE OWNER OR OPERATOR SHALL CHECK NOX AND CO EMISSIONS WITH A PORTABLE NOX, CO AND O<sub>2</sub> ANALYZER ACCORDING TO THE SCAQMD APPROVED PROTOCOL FOR RULE 1146 BY A DISTRICT APPROVED TRAINED AND CERTIFIED PERSON AT LEAST MONTHLY OR EVERY 750 UNIT OPERATING HOURS, WHICHEVER OCCURS LATER. IF A UNIT IS IN COMPLIANCE FOR THREE CONSECUTIVE REQUIRED EMISSION CHECKS, WITHOUT ANY ADJUSTMENTS TO THE OXYGEN SENSOR SET POINTS, THEN THE UNIT SHALL BE CHECKED QUARTERLY OR EVERY 2,000 UNIT OPERATING HOURS, WHICHEVER OCCURS LATER, UNTIL THERE IS AN EMISSION CHECK INDICATING NONCOMPLIANCE.
- [RULE 1146]
9. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF FIVE YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
- [RULE 1146]



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### 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
  - PM: 0.1 GRAIN/SCF @ 12% CO<sub>2</sub>, RULE 409
  - CO: 400 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1146
  - CO: 400 PPMV @ 3% O<sub>2</sub>, DRY BASIS OR 0.30 LBS/MMBTU FOR NATURAL GAS, RULE 1146
  - CO: 100 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1303-BACT
  - CO: 50 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR NATURAL GAS, RULE 1303-BACT
  - NO<sub>x</sub>: 30 PPMV @ 3% O<sub>2</sub>, DRY BASIS, RULE 1146
  - NO<sub>x</sub>: 15 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1146 (EFFECTIVE 1/1/2015)
  - NO<sub>x</sub>: 9 PPMV @ 3% O<sub>2</sub>, DRY BASIS OR 0.011 LBS/MMBTU FOR NATURAL GAS, RULE 1146 (EFFECTIVE 1/1/2013)
  - NO<sub>x</sub>: 30 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR DIGESTER GAS, RULE 1303-BACT
  - NO<sub>x</sub>: 12 PPMV @ 3% O<sub>2</sub>, DRY BASIS FOR NATURAL GAS, RULE 1303-BACT



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**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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**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, BOILER, WITH RATED HEAT INPUT STARTING AT 75,000 BTU/HR UP TO AND INCLUDING 2 MMBTU/HR.

**Emissions and Requirements:**

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

PM: 0.1 gr/scf, RULE 409  
CO: 2000 PPMV, RULE 407



## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN, A MUN WATER DIST

### RULE 219 EQUIPMENT

#### Equipment Description:

RULE 219 EXEMPT EQUIPMENT, ABRASIVE BLASTING EQUIPMENT, GLOVE-BOX, < 53 FT<sup>3</sup>, WITH DUST FILTER.

#### Periodic Monitoring:

1. THE OPERATOR SHALL PERFORM AN ANNUAL 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)]
2. THE OPERATOR SHALL DISCHARGE DUST COLLECTED IN THIS EQUIPMENT ONLY INTO CLOSED CONTAINERS.  
[RULE 3004(a)(4)]
3. THE OPERATOR SHALL CONDUCT AN INSPECTION FOR VISIBLE EMISSIONS FROM ALL STACKS AND OTHER EMISSION POINTS OF THIS EQUIPMENT WHENEVER THERE IS A PUBLIC COMPLAINT OF VISIBLE EMISSIONS, WHENEVER VISIBLE EMISSIONS ARE OBSERVED, AND ON AN ANNUAL BASIS, AT LEAST, UNLESS THE EQUIPMENT DID NOT OPERATE DURING THE ENTIRE ANNUAL PERIOD. THE ROUTINE ANNUAL INSPECTION SHALL BE CONDUCTED WHILE THE EQUIPMENT IS IN OPERATION AND DURING DAYLIGHT HOURS. IF ANY VISIBLE EMISSIONS (NOT INCLUDING CONDENSED WATER VAPOR) ARE DETECTED, THE OPERATOR SHALL TAKE CORRECTIVE ACTION(S) THAT ELIMINATES THE VISIBLE EMISSIONS WITHIN 24 HOURS AND REPORT THE VISIBLE EMISSIONS AS A POTENTIAL DEVIATION IN ACCORDANCE WITH THE REPORTING REQUIREMENTS IN SECTION K OF THIS PERMIT. THE OPERATOR SHALL KEEP THE RECORDS IN ACCORDANCE WITH THE RECORDKEEPING REQUIREMENTS IN SECTION K OF THIS PERMIT AND THE FOLLOWING RECORDS:
  - A. STACK OR EMISSION POINT IDENTIFICATION;
  - B. DESCRIPTION OF ANY CORRECTIVE ACTIONS TAKEN TO ABATE VISIBLE EMISSIONS; AND
  - C. DATE AND TIME VISIBLE EMISSION WAS ABATED.  
[RULE 3004(a)(4)]



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**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

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**Emissions and Requirements:**

4. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATION:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 405, SEE APPENDIX B FOR EMISSION LIMITS
  - PM: RULE 1140, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL UNHEATED, NON-CONVEYORIZED

**Emissions and Requirements:**

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

VOC: RULE 1122

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIST**

**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, FIRE EXTINGUISHING EQUIPMENT

**Emissions and Requirements:**

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

HALON:           RULE 1418



**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTIL AGEN, A MUN WATER DIS**

**Section H: Permit to Construct and Temporary Permit to Operate**

NONE



South Coast Air Quality Management District  
21865 Copley Drive, Diamond Bar, CA 91765-4178

