

## **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 \_\_\_\_\_  
Mohsen Nazemi, P.E.  
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  
 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** INLAND EMPIRE UTL AGEN, A MUN WATER DIS

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 2450 PHILADELPHIA AVE  
 ONTARIO, CA 91761

**MAILING ADDRESS:** PO BOX 9020  
 CHINO HILLS, CA 91709

**RESPONSIBLE OFFICIAL:** JOSEPH GRINDSTAFF

**TITLE:** INTERIM GENERAL MANAGER

**TELEPHONE NUMBER:** (909) 993-1730

**CONTACT PERSON:** CHRIS BERCH

**TITLE:** PLANNING & ENVIRON. COMPLIANCE  
 MANAGER

**TELEPHONE NUMBER:** (909) 993-1762

**INITIAL TITLE V PERMIT ISSUED:** August 01, 2008

**TITLE V PERMIT EXPIRATION DATE:** July 31, 2013

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>NO</b>
	<b>SOx:</b>	<b>NO</b>
	<b>CYCLE:</b>	<b>0</b>
	<b>ZONE:</b>	<b>INLAND</b>

**FACILITY PERMIT TO OPERATE  
INLAND EMPIRE UTL AGEN, A MUN WATER DIS  
SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

NOT APPLICABLE

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

**SECTION C: FACILITY PLOT PLAN**

(TO BE DEVELOPED)

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

**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
299060	R-D87105	ICE (>500 HP) EMERGENCY ELEC. GEN DIESEL	11
316409	F00087	SCRUBBER, PARTICULATES VENTING M.S.	13
323773	R-F53212	ICE (>500 HP) DIGESTER GAS	14
323774	R-F53220	ICE (>500 HP) DIGESTER GAS	16
442162	F78934	SEWAGE TREATMENT (>5 MGD) AEROBIC	18
533317	G21889	BOILER (5-20 MMBTU/HR) OTHER FUEL	21
533318	G21890	BOILER (5-20 MMBTU/HR) OTHER FUEL	24

**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]
5. THE FACILITY SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF 40 CFR 63 SUBPART ZZZZ.  
[40 CFR 63 SUBPART ZZZZ]
6. THE OPERATOR OF ANY STATIONARY ENGINE FIRED BY DIGESTER GAS (BIOGAS) SHALL OPERATE THE ENGINE IN A MANNER THAT THE FACILITY MONTHLY AVERAGE BIOGAS USAGE IS 90% OR MORE, BASED ON THE HIGHER HEATING VALUE OF THE FUELS USED, OR AS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER PURSUANT TO RULE 1110.2.  
[RULE 1110.2]

**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.**

## 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. F00087  
A/N 316409**

**Equipment Description:**

AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. SCRUBBER, VERTICAL CENTRIFUGAL, PACKED TOWER, NaOH/NaOCL SOLUTION, 5'-0" DIA. X 25'-0" H., 8000 CFM CAPACITY.
2. EXHAUST SYSTEM WITH A 15 H.P. BLOWER VENTING THE HEADWORKS AREA.

**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 CONCENTRATION OF HYDROGEN SULFIDE IN THE SCRUBBER EXHAUST SHALL BE MEASURED AND RECORDED AT LEAST ONCE PER DAY.  
[RULE 402]
4. THE CONCENTRATION OF SULFUR COMPOUNDS, CALCULATED AS HYDROGEN SULFIDE, IN THE SCRUBBER EXHAUST SHALL NOT EXCEED 1.0 PPMV.  
[RULE 402]
5. 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:**

6. 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  
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**PERMIT TO OPERATE**

**Permit No. R-F53212  
A/N 323773**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, NO.1, WAUKESHA, MODEL NO. 8L-AT27GL, SERIAL NO. C-93914/1, FOUR CYCLE, LEAN BURN, TURBOCHARGED, AFTERCOOLED, FIRED WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLENDED FUEL, WITH NATURAL GAS/AIR BLEND AS AN EMERGENCY FUEL, 1988 BHP, DRIVING A 1400 KW 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. THIS EQUIPMENT SHALL BE FIRED ONLY WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLENDED FUEL (MINIMUM 60% DIGESTER GAS), OR WITH NATURAL GAS/AIR BLEND AS AN EMERGENCY FUEL WITH AN EQUIVALENT HEATING VALUE (610 BTU/SCF) FOR THE FUEL OR FUEL BLEND.  
[RULE 1303(a)(1)-BACT, RULE 1401]
4. A NON-RESETTABLE TIME METER SHALL BE INSTALLED TO INDICATE, IN CUMULATIVE HOURS, THE NUMBER OF HOURS THE ENGINE IS OPERATED ON SPECIFIC FUEL OR FUEL BLEND USED. RECORDS FOR THE OPERATING HOURS USING EACH FUEL SHALL BE KEPT AND MAINTAINED ON FILE.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 3004(a)(4)]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL PROVISIONS OF RULE 1110.2 INCLUDING THE INSTALLATION AND OPERATION OF A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY THE EXECUTIVE OFFICER TO MEASURE THE IN-STACK CONCENTRATION OF NITROGEN OXIDES (NOX), AND OXYGEN (O2).  
[RULE 1110.2]
6. A FUEL METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE ENGINE TO INDICATE THE FUEL USAGE IN CUBIC FEET AND FUEL USAGE SHALL BE RECORDED.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401, RULE 1110.2]

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7. THE MAXIMUM AMOUNT OF HEAT INPUT OF THE FUEL BURNED IN THIS ENGINE SHALL NOT EXCEED 13.8 MMBTU PER HOUR. THIS SHALL BE CALCULATED BASED ON HOURLY FUEL USAGE RATE AND AVERAGE MONTHLY HEAT CONTENT (BTU/CUBIC FEET) OF THE FUEL.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401]
8. AN OPERATING RECORD OF THE EQUIPMENT (WHICH SHALL INCLUDE DATES, TOTAL HOURS OF OPERATION, FUEL CONSUMPTION FOR EACH FUEL, AND REASON THE ENGINE OPERATED ON NATURAL GAS/AIR MIXTURE) SHALL BE MAINTAINED AND KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 1303, RULE 1110.2]
9. THE EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	PPMV @ 15% O2	LB/HR
NOx	40	2.2
CO	300	11
ROG	75	1.5
PM10		0.3

[RULE 1303(a)(1)-BACT, RULE 1303 (b)(1) & RULE 1303(b)(2)- Modeling and Offsets]

**THIS PERMIT TO OPERATE R-F53212 SUPERSEDES PERMIT TO OPERATE F53212 ISSUED 6/27/2002.**

### Periodic Monitoring:

10. THE OPERATOR SHALL PERFORM A TEST, AT LEAST ONCE EVERY FIVE YEARS, TO DETERMINE THE MASS EMISSIONS FROM THE ENGINE OF THE POLLUTANTS (NO<sub>x</sub>, CO, ROG, AND PM10). THE TEST SHALL BE PERFORMED IN ACCORDANCE WITH SCAQMD TEST METHODS AT THE ENGINE'S MAXIMUM ACHIEVABLE OPERATING LEVEL. WRITTEN NOTIFICATION OF THE DATE OF THE TEST SHALL BE SUBMITTED TO SCAQMD, TOXICS AND WASTE MANAGEMENT TEAM, WITHIN 10 DAYS OF TESTING. A WRITTEN REPORT OF THE RESULTS SHALL BE SUBMITTED TO SCAQMD, TOXICS AND WASTE MANAGEMENT TEAM WITHIN 60 DAYS OF THE DATE OF THE TESTS.  
[RULE 3004(a)(4)]

### Emissions and Requirements:

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

CO: 2000 PPM, RULE 1110.2  
ROG: 250 PPM, RULE 1110.2  
PM: RULE 404. SEE APPENDIX B FOR EMISSION LIMITS  
NO<sub>x</sub>: 36 PPM, RULE 1110.2

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

**PERMIT TO OPERATE**

**Permit No. R-F53220  
A/N 323774**

**Equipment Description:**

INTERNAL COMBUSTION ENGINE, NO.2, WAUKESHA, MODEL NO. 8L-AT27GL, SERIAL NO. C-93914/2, FOUR CYCLE, LEAN BURN, TURBOCHARGED, AFTERCOOLED, FIRED WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLENDED FUEL, WITH NATURAL GAS/AIR BLEND AS AN EMERGENCY FUEL, 1988 BHP, DRIVING A 1400 KW 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. THIS EQUIPMENT SHALL BE FIRED ONLY WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLENDED FUEL (MINIMUM 60% DIGESTER GAS) , OR WITH NATURAL GAS/AIR BLEND AS AN EMERGENCY FUEL WITH AN EQUIVALENT HEATING VALUE (610 BTU/SCF) FOR THE FUEL OR FUEL BLEND.  
[RULE 1303(a)(1)-BACT, RULE 1401]
4. A NON-RESETTABLE TIME METER SHALL BE INSTALLED TO INDICATE, IN CUMULATIVE HOURS, THE NUMBER OF HOURS THE ENGINE IS OPERATED ON SPECIFIC FUEL OR FUEL BLEND USED. RECORDS FOR THE OPERATING HOURS USING EACH FUEL SHALL BE KEPT AND MAINTAINED ON FILE.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 3004(a)(4)]
5. THIS EQUIPMENT SHALL COMPLY WITH ALL PROVISIONS OF RULE 1110.2 INCLUDING THE INSTALLATION AND OPERATION OF A CONTINUOUS EMISSIONS MONITORING SYSTEM (CEMS) APPROVED BY THE EXECUTIVE OFFICER TO MEASURE THE IN-STACK CONCENTRATION OF NITROGEN OXIDES (NOX), AND OXYGEN (O2).  
[RULE 1110.2]
6. A FUEL METER SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE ENGINE TO INDICATE THE FUEL USAGE IN CUBIC FEET AND FUEL USAGE SHALL BE RECORDED.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401, RULE 1110.2]

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

7. THE MAXIMUM AMOUNT OF HEAT INPUT OF THE FUEL BURNED IN THIS ENGINE SHALL NOT EXCEED 13.8 MMBTU PER HOUR. THIS SHALL BE CALCULATED BASED ON HOURLY FUEL USAGE RATE AND AVERAGE MONTHLY HEAT CONTENT (BTU/CUBIC FEET) OF THE FUEL.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401]
8. AN OPERATING RECORD OF THE EQUIPMENT (WHICH SHALL INCLUDE DATES, TOTAL HOURS OF OPERATION, FUEL CONSUMPTION FOR FUEL, AND REASON THE ENGINE OPERATED ON NATURAL GAS/AIR MIXTURE) SHALL BE MAINTAINED AND KEPT FOR AT LEAST TWO YEARS AND MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.  
[RULE 1303, RULE 1110.2]

9. THE EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING LIMITS:

POLLUTANT	PPMV @ 15% O2	LB/HR
NOx	40	2.2
CO	300	11
ROG	75	1.5
PM10		0.3

[RULE 1303(a)(1)-BACT, RULE 1303 (b)(1) & RULE 1303(b)(2)- Modeling and Offsets]

**THIS PERMIT TO OPERATE R-F53220 SUPERSEDES PERMIT TO OPERATE F53220 ISSUED 6/27/2002.**

### Periodic Monitoring:

10. THE OPERATOR SHALL PERFORM A TEST, AT LEAST ONCE EVERY FIVE YEARS, TO DETERMINE THE MASS EMISSIONS FROM THE ENGINE OF THE POLLUTANTS (NOx, CO, ROG AND PM10). THE TEST SHALL BE PERFORMED IN ACCORDANCE WITH SCAQMD TEST METHODS AT THE ENGINE'S MAXIMUM ACHIEVABLE OPERATING LEVEL. WRITTEN NOTIFICATION OF THE DATE OF THE TEST SHALL BE SUBMITTED TO SCAQMD, TOXICS AND WASTE MANAGEMENT TEAM, WITHIN 10 DAYS OF TESTING. A WRITTEN REPORT OF THE RESULTS SHALL BE SUBMITTED TO SCAQMD, TOXICS AND WASTE MANAGEMENT TEAM WITHIN 60 DAYS OF THE DATE OF THE TESTS.  
[RULE 3004(a)(4)]

### Emissions and Requirements:

11. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- CO: 2000 PPM, RULE 1110.2  
ROG: 250 PPM, RULE 1110.2  
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
NOx: 36 PPM, RULE 1110.2

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

### PERMIT TO OPERATE

Permit No. F78934  
A/N 442162

#### 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 40-HP BLOWERS, A PISTA GRIT CHAMBER, TWO GRIT SEPARATORS, AND A RAG COMPACTOR.
2. FERRIC CHLORIDE STORAGE AND INJECTION FACILITY, 6000 GALLON CAPACITY.
3. TEN PRIMARY CLARIFIERS, RECTANGULAR, EACH 100' L. X 20'-0" W. X 9'-0" D., WITH FIVE SLUDGE COLLECTORS, FIVE SCUM REMOVERS AND ASSOCIATED SLUDGE PUMP AND CENTRIFUGAL PUMPS.
4. THREE EQUALIZATION LAGOONS, PRIMARY EFFLUENT, EACH 12,200,000 GALLON CAPACITY WITH TWO SURFACE AERATORS.

#### B. SECONDARY TREATMENT:

5. TWO PRIMARY CLARIFIERS, 100' DIA. X 9'-0" D.
6. TWELVE AERATION BASINS, EACH 60'-0" L. X 120'-0" W. X 17'-10" D., WITH DIFFUSED AIR PANEL AERATORS, AND A BLOWER BUILDING WITH THREE 700 HP BLOWERS.
7. SIX SECONDARY CLARIFIERS, FOUR 120' DIA. X 14'-0" D., AND TWO 130' DIA. X 14'-0" D., EACH WITH 1.0 - HP SLUDGE COLLECTOR.
8. SODIUM HYPOCHLORITE STORAGE AND INJECTION FACILITY FOR ALTERNATE USE WITH HYDROGEN PEROXIDE.
9. THREE ANOXIC BASINS (SIX ANOXIC ZONES), EACH 236'-2" L. X 21'-0" W. X 20'-0" D, WITH ASSOCIATED MIXERS AND RECYCLE PUMPS.

#### C. SOLIDS HANDLING:

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

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

13. TWO DIGESTERS, ANAEROBIC, FLOATING ROOF, EACH 65' DIA. X 30'-0" D.
  14. 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.
  15. SLUDGE DEWATERING FACILITY WITH FOUR FILTER BELT PRESSES, SLUDGE BELT CONVEYOR, AND A SLUDGE STORAGE HOPPER.
  16. ONE FERRIC CHLORIDE STORAGE TANK, 13,000 GALLON CAPACITY, WITH THREE INJECTION PUMPS.
  17. TWO BELT PRESS FILTRATE TREATMENT PROCESS TANKS ("DODA" PROCESS), EACH 40'-6" DIA. X 33'-10" D.
- D. TERTIARY TREATMENT:**
18. TWO FLOCCULATION BASINS, EACH WITH FOUR FLOCCULATORS.
  19. TWO SETTLING BASINS, EACH WITH TWO SLUDGE COLLECTORS.
  20. TWENTY-SIX DUAL MEDIA FILTERS, ANTHRACITE COAL AND SAND, EACH 300 FT<sup>2</sup> SURFACE AREA.
  21. THREE CHLORINE CONTACT BASINS, SERPENTINE TYPE.
  22. THREE SODIUM HYPOCHLORITE (SHC) STORAGE TANKS, EACH 10,000 GALLON CAPACITY.
  23. DECHLORINATION FACILITY WITH TWO 12,500 GALLON SODIUM BISULFATE SOLUTION STORAGE TANKS, FOUR ABS METERING PUMPS, AND TWO SUBMERGED DIFFUSERS LOCATED IN THE CHLORINE CONTACT BASINS.

**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 AN AIR POLLUTION CONTROL SYSTEM WHICH IS IN FULL OPERATION AND GOVERNED BY A VALID PERMIT TO CONSTRUCT/ OPERATE ISSUED BY THE SCAQMD.  
[RULE 402]
5. THE DAILY TOTAL INFLUENT FLOW, IN MILLION GALLONS PER DAY (MGD), TO THE WASTEWATER TREATMENT PLANT SHALL BE MEASURED AND RECORDED.  
[RULE 1303(b)(2)-OFFSET]
6. THE DAILY INFLUENT FLOW TO THE WASTEWATER TREATMENT PLANT SHALL NOT EXCEED 44 MGD EXCEPT DURING WET WEATHER PERIODS.  
[RULE 1303(b)(2)-OFFSET]
7. A TOTALIZING FLOW METER SHALL BE INSTALLED TO MEASURE THE AMOUNT OF DIGESTER GAS CONSUMED DAILY.  
[RULE 1303(b)(2)-OFFSET]
8. 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]
9. ALL OF THE DIGESTER GAS PRODUCED AT THIS FACILITY SHALL BE INCINERATED IN THE FACILITY FLARE(S), ENGINE(S) OR BOILER(S) 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 1303(a)(1)-BACT]

**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).

## 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

### 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

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

### **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)]

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

### **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 UTL AGEN, A MUN WATER DIS**

### **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 AQMD. 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]

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

### **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 AQMD 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 AQMD 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 (SO<sub>2</sub>) 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 (CO<sub>2</sub>) at standard conditions and averaged over a minimum of 15 consecutive minutes. [409]

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

### 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 (O<sub>2</sub>) 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 AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. 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 AQMD rules or equipment-specific conditions. The report shall contain the following information: [204]
  - a. The results of the source test.

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

### **SECTION E: ADMINISTRATIVE CONDITIONS**

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

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

**SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

NOT APPLICABLE

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

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

NOT APPLICABLE

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

**Permit to Construct and Temporary Permit to Operate  
(Section H)**

This section consists of a table listing all equipment with 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 is the rule origin and authority of each emission limit and permit condition.

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

### PERMITTED EQUIPMENT LIST

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

<b>Application No.</b>	<b>Equipment description</b>	<b>Page No.</b>
428126	BIOFILTER (>100 CFM)	3
436134	BIOFILTER (>100 CFM), NO. 2	7
501289	SEWAGE TREATMENT (>5 MGD) ANAEROBIC	10
501290	BIOFILTER (>100 CFM) (Supersedes A/N 428126)	14

**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 UTIL AGEN, A MUN WATER DIS**

**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]
5. THE FACILITY SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF 40 CFR 63 SUBPART ZZZZ. [40 CFR 63 SUBPART ZZZZ]
6. THE OPERATOR OF ANY STATIONARY ENGINE FIRED BY DIGESTER GAS (BIOGAS) SHALL OPERATE THE ENGINE IN A MANNER THAT THE FACILITY MONTHLY AVERAGE BIOGAS USAGE IS 90% OR MORE, BASED ON THE HIGHER HEATING VALUE OF THE FUELS USED, OR AS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER PURSUANT TO RULE 1110.2. [RULE 1110.2]

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

**PERMIT TO CONSTRUCT**

**Granted as of 8/18/2004  
A/N 428126**

**Equipment Description:**

**AIR POLLUTION CONTROL SYSTEM CONSISTING OF:**

1. BIOFILTER (PHASE IA), CUSTOM MADE, 76'-0" W. X 86'-0" L. X 5'-6" H., OVERALL DIMENSIONS, APPROXIMATELY 6,536 SQUARE FEET SURFACE AREA, CONTAINING 0.5 FT. WOOD CHIP BASE LAYER, 4' DEEP BIOFILTER MEDIA LAYER AND 0.5 FT. WOOD SHIP COVER LAYER, PLENUM LATER 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 DEWATERING BUILDING,
  - B. EXISTING GRAVITY THICKENER, AND
  - C. SIDE STREAM TREATMENT PROCESS ("DODA" TANK NO. 1, NO. 2, AND DIVERSION STRUCTURE).

**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 PERMIT SHALL EXPIRE IF CONSTRUCTION OF THE EQUIPMENT IS NOT COMPLETED WITHIN ONE YEAR FROM THE DATE OF ISSUANCE OF THIS PERMIT UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]
5. SAMPLING/TESTING PORT(S) SHALL BE PROVIDED AT THE BIOFILTER FOUL AIR INLET LINE, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE, AT 90 DEGREES APART, AND SHALL CONSIST OF ADEQUATE SIZE WELDED NIPPLES WITH CAPS.  
[RULE 217]

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

6. THE CONCENTRATION OF AMMONIA AND HYDROGEN SULFIDE (H<sub>2</sub>S) EMISSIONS FROM THE BIOFILTER SURFACE SHALL BE MEASURED DAILY FOR THE FIRST 3 WEEKS, WEEKLY FOR 2 MONTHS AND ON A MONTHLY BASIS THEREAFTER, USING PORTABLE ANALYZERS OR COLORIMETRIC DETECTOR TUBES IN A MANNER APPROVED BY THE EXECUTIVE OFFICER. THE MEASUREMENTS SHALL BE TAKEN FROM A MINIMUM OF SIX POINTS ON EACH ACTIVE CELL (REPRESENTATIVE OF THE ENTIRE SURFACE OF EACH CELL). MONITORING RECORDS SHALL BE KEPT AND MAINTAINED ON FILE.  
[RULE 402]
7. ONCE EVERY SIX MONTHS, SMOKE TESTS SHALL BE CONDUCTED TO ENSURE EVEN DISTRIBUTION OF FOUL AIR THROUGH THE BIOFILTER SYSTEM.  
[RULE 204]
8. THE OWNER OF OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE PERFORMANCE TEST UNDER THE FOLLOWING CONDITIONS:
  - I. THE TESTS SHALL BE CONDUCTED AND WRITTEN REPORT SUBMITTED TO THE SCAQMD WITHIN 60 DAYS AFTER ACHIEVING DESIGN FLOW RATES AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP.
  - II. THE TESTS SHALL DETERMINE THE OVERALL CONTROL EFFICIENCY (WEIGHT %) OF THE BIOFILTER SYSTEM FOR H<sub>2</sub>S, AMMONIA, TOTAL NON METHANE ORGANIC COMPOUNDS (TNMOC), AND SPECIATED ORGANICS, AND THEIR RESPECTIVE CONCENTRATIONS, IN PPMV, AND EMISSIONS TO ATMOSPHERE, IN LBS/HR.
  - III. A TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD NO LATER THAN 45 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER BEFORE THE TEST COMMENCES. THE SCAQMD SHALL BE NOTIFIED 7 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. AT A MINIMUM, THE TEST PROTOCOL SHALL INCLUDE THE FOLLOWING:
    - A. A DESCRIPTION OF THE EQUIPMENT TESTED. INCLUDE A PROCESS SCHEMATIC INDICATING SAMPLING LOCATIONS/PORTS, SAMPLING DUCT/STACK DIMENSIONS ALONG WITH UPSTREAM AND DOWNSTREAM FLOW DISTURBANCES (E.G. ELBOWS, TEES AND FANS).
    - B. A BRIEF PROCESS DESCRIPTION.
    - C. OPERATING CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING FLOW RATE, TEMPERATURE, PRESSURE, AND THROUGHPUT.
    - D. A DESCRIPTION OF THE SAMPLING AND ANALYTICAL METHODS FOR EACH CONSTITUENT MEASURED.
    - E. COMPLETE CALCULATIONS FOR FLOW RATES, CONCENTRATIONS, EMISSION RATES AND EFFICIENCIES.
    - F. A DESCRIPTION OF THE CALIBRATION AND QUALITY ASSURANCE PROCEDURES.

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

G. A STATEMENT DETERMINING THAT THE TESTING LABORATORY QUALIFIES AS AN "INDEPENDENT TESTING LABORATORY" UNDER RULE 304 (NO CONFLICT OF INTEREST) AND SIGNED BY THE RESPONSIBLE AUTHORITY.

H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 1303(a)(1)-BACT]

9. EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

AMMONIA	5 PPMV	0.3 LBS/HR
TOTAL SULFUR AS H <sub>2</sub> S	2 PPMV	0.2 LBS/HR.

[RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]

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

**PERMIT TO CONSTRUCT**

**Granted as of 1/13/2005  
A/N 436134**

**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 0.5 FT. WOOD CHIP BASE LAYER, 4' DEEP BIOFILTER MEDIA LAYER AND 0.5 FT. WOOD SHIP COVER LAYER, PLENUM LAYER CONTAINING INCOMING FOUL AIR DISTRIBUTION DUCTS, AND SURFACE IRRIGATION SYSTEM WITH FOURTEEN (14) WATER SPRINKLERS.
2. EXHAUST SYSTEM WITH TOTAL OF 28,750 CUBIC FEET PER MINUTE FOUL AIR (PHASE IB) FROM THE FOLLOWING PROCESS AREAS,
  - A. HEADWORKS
  - B. COVERED PRIMARY CLARIFIERS
  - C. INTERMEDIATE 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]
4. 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 UTIL AGEN, A MUN WATER DIS

5. THE CONCENTRATION OF AMMONIA AND HYDROGEN SULFIDE (H<sub>2</sub>S) EMISSIONS FROM THE BIOFILTER SURFACE SHALL BE MEASURED DAILY FOR THE FIRST 3 WEEKS, WEEKLY FOR 2 MONTHS AND ON A MONTHLY BASIS THEREAFTER, USING PORTABLE ANALYZERS OR COLORIMETRIC DETECTOR TUBES IN A MANNER APPROVED BY THE EXECUTIVE OFFICER. THE MEASUREMENTS SHALL BE TAKEN FROM SEVERAL 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]
6. ONCE EVERY SIX MONTHS, SMOKE TESTS SHALL BE CONDUCTED TO ENSURE EVEN DISTRIBUTION OF FOUL AIR THROUGH THE BIOFILTER SYSTEM.  
[RULE 204]
7. THE OWNER OF OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE PERFORMANCE TEST UNDER THE FOLLOWING CONDITIONS:
  - I. THE TESTS SHALL BE CONDUCTED AND WRITTEN REPORT SUBMITTED TO THE SCAQMD WITHIN 60 DAYS AFTER ACHIEVING DESIGN FLOW RATES AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP.
  - II. THE TESTS SHALL DETERMINE THE OVERALL CONTROL EFFICIENCY (WEIGHT %) OF THE BIOFILTER SYSTEM FOR H<sub>2</sub>S, AMMONIA, TOTAL NON METHANE ORGANIC COMPOUNDS (TNMOC), AND SPECIATED ORGANICS, AND THEIR RESPECTIVE CONCENTRATIONS, IN PPMV, AND EMISSIONS TO ATMOSPHERE, IN LBS/HR.
  - III. A TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD NO LATER THAN 45 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER BEFORE THE TEST COMMENCES. THE SCAQMD SHALL BE NOTIFIED 7 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. AT A MINIMUM, THE TEST PROTOCOL SHALL INCLUDE THE FOLLOWING:
    - A. A DESCRIPTION OF THE EQUIPMENT TESTED. INCLUDE A PROCESS SCHEMATIC INDICATING SAMPLING LOCATIONS/PORTS, SAMPLING DUCT/STACK DIMENSIONS ALONG WITH UPSTREAM AND DOWNSTREAM FLOW DISTURBANCES (E.G. ELBOWS, TEES AND FANS).
    - B. A BRIEF PROCESS DESCRIPTION.
    - C. OPERATING CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING FLOW RATE, TEMPERATURE, PRESSURE, AND THROUGHPUT.
    - D. A DESCRIPTION OF THE SAMPLING AND ANALYTICAL METHODS FOR EACH CONSTITUENT MEASURED.
    - E. COMPLETE CALCULATIONS FOR FLOW RATES, CONCENTRATIONS, EMISSION RATES AND EFFICIENCIES.
    - F. A DESCRIPTION OF THE CALIBRATION AND QUALITY ASSURANCE PROCEDURES.

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

G. A STATEMENT DETERMINING THAT THE TESTING LABORATORY QUALIFIES AS AN "INDEPENDENT TESTING LABORATORY" UNDER RULE 304 (NO CONFLICT OF INTEREST) AND SIGNED BY THE RESPONSIBLE AUTHORITY.

H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 1303(a)(1)-BACT]

8. EMISSIONS FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:

AMMONIA	4 PPMV	0.3 LBS/HR
TOTAL SULFUR AS H2S	1 PPMV	0.15 LBS/HR.

[RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]

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

### PERMIT TO CONSTRUCT

Granted as of 11/17/2009  
A/N 501289

#### Equipment Description:

MODIFICATIONS OF THE EXISTING 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 BLOWERS, A PISTA GRIT CHAMBER, TWO GRIT SEPARATORS, AND A RAG COMPACTOR.
2. FERRIC CHLORIDE STORAGE AND INJECTION FACILITY, 6000 GALLON CAPACITY.
3. TEN PRIMARY CLARIFIERS, RECTANGULAR, EACH 100' L. X 20'-0" W. X 9'-0" D., WITH FIVE SLUDGE COLLECTORS, FIVE SCUM REMOVERS AND ASSOCIATED SLUDGE PUMP AND CENTRIFUGAL PUMPS.
4. THREE EQUALIZATION LAGOONS, PRIMARY EFFLUENT, EACH 12,200,000 GALLON CAPACITY WITH TWO SURFACE AERATORS.
5. TWO PRIMARY CLARIFIERS, 100' DIA. X 9'-0" D.

#### B. SECONDARY TREATMENT:

6. TWELVE AERATION BASINS, EACH 60'-0" L. X 120'-0" W. X 17'-10" D., WITH DIFFUSED AIR PANEL AERATORS, AND A BLOWER BUILDING WITH THREE BLOWERS.
7. SIX SECONDARY CLARIFIERS. FOUR 120' DIA. X 14'-0" D., AND TWO 130' DIA. X 14'-0" D., EACH WITH SLUDGE COLLECTOR.
8. SODIUM HYPOCHLORITE STORAGE AND INJECTION FACILITY FOR ALTERNATE USE WITH HYDROGEN PEROXIDE.
9. THREE ANOXIC BASINS (SIX ANOXIC ZONES). EACH 236'-2" L. X 21'-0" W. X 20'-0" D, WITH ASSOCIATED MIXERS AND RECYCLE PUMPS.

#### C. SOLIDS HANDLING:

10. THREE DISSOLVED AIR FLOTATION (DAF) THICKENERS, EACH WITH SURFACE SCUM COLLECTOR AND BOTTOM SLUDGE COLLECTOR.
11. SLUDGE GRAVITY THICKENER, 70' DIA. X 14'-0" D.

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12. SLUDGE BLENDING TANK (ALSO KNOWN AS ACID MANURE DIGESTER- AMD), 14'-3" L. X 20'-0" W. X 31'-0" H.
13. TWO DIGESTERS, ANAEROBIC, FLOATING ROOF, EACH 65' DIA. X 30'-0" D.
14. 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.
15. SLUDGE DEWATERING FACILITY WITH FOUR FILTER BELT PRESSES, A SLUDGE BELT CONVEYOR, AND A SLUDGE STORAGE HOPPER.
16. ONE FERRIC CHLORIDE STORAGE TANK, 13,000 GALLON CAPACITY, WITH THREE INJECTION PUMPS.
17. TWO BELT PRESS FILTRATE TREATMENT PROCESS TANKS ("DODA" PROCESS), EACH 40'-6" DIA. X 33'-10" D.

**D. TERTIARY TREATMENT:**

18. TWO FLOCCULATION BASINS, EACH WITH FOUR FLOCCULATORS.
19. TWO SETTLING BASINS, EACH WITH TWO SLUDGE COLLECTORS.
20. TWENTY-SIX DUAL MEDIA FILTERS, ANTHRACITE COAL AND SAND, EACH 300 FT<sup>2</sup> SURFACE AREA.
21. THREE CHLORINE CONTACT BASINS, SERPENTINE TYPE.
22. THREE SODIUM HYPOCHLORITE (SHC) STORAGE TANKS, EACH 10,000-GALLON CAPACITY.
23. DECHLORINATION FACILITY WITH TWO 12,500 GALLON SODIUM BISULFATE SOLUTION STORAGE TANKS, FOUR ABS METERING PUMPS, AND TWO SUBMERGED DIFFUSERS LOCATED IN THE CHLORINE CONTACT BASINS.

**ALTERATION OF ITEMS 15, 17 & 23:**

15. BELT PRESS SLUDGE DEWATERING FACILITY WITH FOUR FILTER BELT PRESSES, A SLUDGE BELT CONVEYOR, AND A SLUDGE STORAGE HOPPER.
17. TWO BELT PRESS FILTRATE/CENTRATE TREATMENT PROCESS TANKS ("DODA" PROCESS), EACH 40'-6" DIA. X 33'-10" D.
23. DECHLORINATION FACILITY WITH TWO 12,500 GALLON SODIUM BISULFATE SOLUTION STORAGE TANKS, FOUR SBS METERING PUMPS, AND TWO SUBMERGED DIFFUSERS LOCATED IN THE CHLORINE CONTACT BASINS.

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

**AND ADDITION OF:**

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.

**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. HEADWORKS AND CLIMBER SCREENS SHALL NOT BE OPERATED UNLESS IT IS VENTED TO 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 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 FLOW OF WASTEWATER PROCESSED BY THIS PLANT SHALL NOT EXCEED 44 MGD EXCEPT DURING WET WEATHER PERIODS.  
[RULE 1303(b)(2)- Offsets]
7. A TOTALIZING FLOW METER SHALL BE INSTALLED TO MEASURE THE AMOUNT OF DIGESTER GAS CONSUMED DAILY.  
[RULE 1303(b)(2)- Offsets]
8. THE BELT PRESS SLUDGE DEWATERING FACILITY AND THE CENTRIFUGE SLUDGE DEWATERING FACILITY SHALL NOT OPERATE SIMULTANEOUSLY.  
[RULE 1303(b)(2)- Offsets, RULE 204]
9. THE SLUDGE STORAGE SILOS SHALL BE VENTED ONLY TO AN AIR POLLUTION CONTROL DEVICE (APC) WITH A VALID PERMIT TO CONSTRUCT OR OPERATE WHEN SLUDGE IS STORED IN THE SILO(S).  
[RULE 204]
10. 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]

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11. ALL OF THE DIGESTER GAS PRODUCED AT THIS FACILITY SHALL BE 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 1303(a)(1)-BACT]
12. 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]
13. THE SLUDGE DEWATERING FACILITIES (BELT PRESS OR CENTRIFUGE) SHALL ONLY BE OPERATED WHEN THE EXHAUST FROM THESE FACILITIES ARE VENTED ONLY TO AN AIR POLLUTION CONTROL DEVICE (APC) WITH A VALID PERMIT TO CONSTRUCT OR OPERATE.  
[RULE 204]
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 INLAND EMPIRE UTIL AGEN, A MUN WATER DIS

### PERMIT TO CONSTRUCT

Granted as of 11/17/2009  
A/N 501290

#### Equipment Description:

MODIFICATION OF THE EXISTING AIR POLLUTION CONTROL SYSTEM CONSISTING OF:

1. BIOFILTER (PHASE IA), CUSTOM MADE, 76'-0" W. X 86'-0" L. X 5'-6" H., OVERALL DIMENSIONS, APPROXIMATELY 6,536 SQUARE FEET SURFACE AREA, CONTAINING 0.5 FT. WOOD CHIP BASE LAYER, 4' DEEP BIOFILTER MEDIA LAYER AND 0.5 FT. WOOD CHIP COVER LAYER, PLENUM LATER 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 DEWATERING BUILDING
  - B. EXISTING GRAVITY THICKENER
  - C. SIDE STREAM TREATMENT PROCESS ("DODA" TANK NO. 1, NO. 2, AND DIVERSION STRUCTURE).

BY ADDITION OF:

- D. THE CENTRIFUGE SLUDGE DEWATERING BUILDING AND SILOS EXHAUST TO THE BIOFILTER.

#### 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. THE BIOFILTER SHALL NOT VENT BOTH THE BELT PRESS SLUDGE DEWATERING FACILITY AND THE CENTRIFUGE SLUDGE DEWATERING FACILITY SIMULTANEOUSLY.  
[RULE 204]

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

5. SAMPLING/TESTING PORT(S) SHALL BE PROVIDED AT THE BIOFILTER FOUL AIR INLET LINE, 8-10 DUCT DIAMETERS DOWNSTREAM AND 2 DUCT DIAMETERS UPSTREAM OF ANY FLOW DISTURBANCE, AT 90 DEGREES APART, AND SHALL CONSIST OF ADEQUATE SIZE WELDED NIPPLES WITH CAPS.  
[RULE 217]
6. THE CONCENTRATION OF AMMONIA AND HYDROGEN SULFIDE (H<sub>2</sub>S) EMISSIONS FROM THE BIOFILTER SURFACE SHALL BE MEASURED DAILY FOR THE FIRST 3 WEEKS, WEEKLY FOR 2 MONTHS AND ON A MONTHLY BASIS THEREAFTER, USING PORTABLE ANALYZERS OR COLORIMETRIC DETECTOR TUBES IN A MANNER APPROVED BY THE EXECUTIVE OFFICER. THE MEASUREMENTS SHALL BE TAKEN FROM A MINIMUM OF SIX POINTS ON EACH ACTIVE CELL (REPRESENTATIVE OF THE ENTIRE SURFACE OF EACH CELL). MONITORING RECORDS SHALL BE KEPT AND MAINTAINED ON FILE.  
[RULE 402]
7. ONCE EVERY SIX MONTHS, SMOKE TESTS SHALL BE CONDUCTED TO ENSURE EVEN DISTRIBUTION OF FOUL AIR THROUGH THE BIOFILTER SYSTEM.  
[RULE 204]
8. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT A SOURCE PERFORMANCE TEST WHILE THE CENTRIFUGE DEWATERING BUILDING IS IN OPERATION UNDER THE FOLLOWING CONDITIONS:
  - I. THE TESTS SHALL BE CONDUCTED AND WRITTEN REPORT SUBMITTED TO THE SCAQMD WITHIN 60 DAYS AFTER ACHIEVING DESIGN FLOW RATES AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP.
  - II. THE TESTS SHALL DETERMINE THE OVERALL CONTROL EFFICIENCY (WEIGHT %) OF THE BIOFILTER SYSTEM FOR H<sub>2</sub>S, AMMONIA, TOTAL NON METHANE ORGANIC COMPOUNDS (TNMOC), AND SPECIATED ORGANICS, AND THEIR RESPECTIVE CONCENTRATIONS, IN PPMV, AND EMISSIONS TO ATMOSPHERE, IN LBS/HR.
  - III. A TEST PROTOCOL SHALL BE SUBMITTED TO SCAQMD NO LATER THAN 45 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER BEFORE THE TEST COMMENCES. THE SCAQMD SHALL BE NOTIFIED 7 DAYS PRIOR TO TESTING SO THAT AN OBSERVER MAY BE PRESENT. AT A MINIMUM, THE TEST PROTOCOL SHALL INCLUDE THE FOLLOWING:
    - A. A DESCRIPTION OF THE EQUIPMENT TESTED. INCLUDE A PROCESS SCHEMATIC INDICATING SAMPLING LOCATIONS/PORTS, SAMPLING DUCT/STACK DIMENSIONS ALONG WITH UPSTREAM AND DOWNSTREAM FLOW DISTURBANCES (E.G. ELBOWS, TEES AND FANS).
    - B. A BRIEF PROCESS DESCRIPTION.
    - C. OPERATING CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING FLOW RATE, TEMPERATURE, PRESSURE, AND THROUGHPUT.

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- D. A DESCRIPTION OF THE SAMPLING AND ANALYTICAL METHODS FOR EACH CONSTITUENT MEASURED.
- E. COMPLETE CALCULATIONS FOR FLOW RATES, CONCENTRATIONS, EMISSION RATES AND EFFICIENCIES.
- F. A DESCRIPTION OF THE CALIBRATION AND QUALITY ASSURANCE PROCEDURES.
- G. A STATEMENT DETERMINING THAT THE TESTING LABORATORY QUALIFIES AS AN "INDEPENDENT TESTING LABORATORY" UNDER RULE 304 (NO CONFLICT OF INTEREST) AND SIGNED BY THE RESPONSIBLE AUTHORITY.
- H. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.

[RULE 204]

10. ALL RECORDS AS REQUIRED BY THIS PERMIT SHALL BE MAINTAINED FOR 5 YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.

[RULE 204]

11. 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]

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

### **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.

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

## SECTION J: AIR TOXICS [40CFR 63 Subpart ZZZZ, #1 03-09-2011]

### NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS: STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES

The owner/operator of stationary Reciprocating Internal Combustion Engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator shall comply with the applicable requirements as specified in 63.6603 including but not limited to the following:

#### **Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions**

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
11. Non-emergency, non-black start landfill or digester gas-fired stationary RICE.	a. Change oil and filter every 1,440 hours of operation or annually, whichever comes first; <sup>1</sup> b. Inspect spark plugs every 1,440 hours of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 1,440 hours of operation or annually, whichever comes first, and replace as necessary.	

<sup>1</sup>Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

2. The owner/operator shall comply with the applicable general requirements as specified in 63.6605.
3. The owner/operator shall comply with the applicable monitoring, installation, collection, operation, and maintenance requirements specified in 63.6625.
4. The owner/operator shall demonstrate continuous compliance with the applicable emission limitations and operating limitations specified in 63.6640 including but not limited to the following:
  - (a) You must demonstrate continuous compliance with each emission limitation and operating limitation according to methods specified in Table 6 to this subpart.

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**SECTION J: AIR TOXICS  
 [40CFR 63 Subpart ZZZZ, #1 03-09-2011]**

**Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices**

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

<b>For each . . .</b>	<b>Complying with the requirement to . . .</b>	<b>You must demonstrate continuous compliance by . . .</b>
existing non-emergency landfill or digester gas stationary SI RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

- The owner/operator shall comply with the applicable record keeping requirements specified in 63.6655 and 63.6660.

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

### SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS:  
 STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES

The owner/operator of existing emergency stationary Reciprocating Internal Combustion Engines (RICE) located at an area source of hazardous air pollutant (HAP) emissions shall comply with the applicable requirements of 40 CFR 63 Subpart ZZZZ including but not limited to the following:

1. The owner/operator shall comply with the applicable requirements as specified in 63.6603 including but not limited to the following:

**Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions**

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
4. Emergency stationary CI RICE and black start stationary CI RICE. <sup>2</sup>	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; <sup>1</sup>	
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
5. Emergency stationary SI RICE; black start stationary SI RICE. <sup>2</sup>	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; <sup>1</sup>	
	b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

<sup>1</sup>Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

<sup>2</sup>If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law

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### SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

2. The owner/operator shall comply with the applicable general requirements as specified in 63.6605.
3. The owner/operator shall comply with the applicable monitoring, installation, collection, operation, and maintenance requirements specified in 63.6625.
4. The owner/operator shall demonstrate continuous compliance with the applicable emission limitations and operating limitations specified in 63.6640 including but not limited to the following:
  - (a) You must demonstrate continuous compliance with each emission limitation and operating limitation according to methods specified in Table 6 to this subpart.

**Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices**

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

(c) you must operate the emergency stationary RICE according to the requirements in paragraphs (i) through (iii) of this section. Any operation other than emergency operation, maintenance and

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### SECTION J: AIR TOXICS [40CFR 63SubpartZZZZ 03-09-2011]

testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (i) through (iii) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (i) through (iii) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(iii) You may operate your emergency stationary RICE up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph (iii), as long as the power provided by the financial arrangement is limited to emergency power.

5. The owner/operator shall comply with the applicable record keeping requirements specified in 63.6655 and 63.6660.

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

### **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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

### **SECTION K: TITLE V Administration**

#### **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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS

### SECTION K: TITLE V Administration

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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

### **SECTION K: TITLE V Administration**

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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS

### SECTION K: TITLE V Administration EMERGENCY PROVISIONS

17. An emergency<sup>1</sup> 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]

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<sup>1</sup> "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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

### **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.

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

### SECTION K: TITLE V Administration

- (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;

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

### **SECTION K: TITLE V Administration**

- (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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS

### 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.

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 109	5-2-2003	Federally enforceable
RULE 1107	1-6-2006	Federally enforceable
RULE 1107	11-4-2005	Non federally enforceable
RULE 1110.2	2-1-2008	Federally enforceable
RULE 1110.2	9-7-2012	Non federally enforceable
RULE 1113	6-3-2011	Non federally enforceable
RULE 1113	7-13-2007	Federally enforceable
RULE 1122	10-1-2004	Federally enforceable
RULE 1122	5-1-2009	Non federally enforceable
RULE 1136	6-14-1996	Federally enforceable
RULE 1140	2-1-1980	Federally enforceable
RULE 1140	8-2-1985	Non federally enforceable
RULE 1145	12-4-2009	Non federally enforceable
RULE 1145	2-14-1997	Federally enforceable
RULE 1146	11-17-2000	Federally enforceable
RULE 1146	9-5-2008	Non federally enforceable
RULE 1146.2	1-7-2005	Non federally enforceable
RULE 1146.2	5-5-2006	Federally enforceable
RULE 1151	12-11-1998	Federally enforceable
RULE 1151	12-2-2005	Non federally enforceable
RULE 1171	2-1-2008	Federally enforceable
RULE 1171	5-1-2009	Non federally enforceable

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

**SECTION K: TITLE V Administration**

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 1179	3-6-1992	Federally enforceable
RULE 118	12-7-1995	Non federally enforceable
RULE 1303(a)(1)-BACT	12-6-2002	Non federally enforceable
RULE 1303(a)(1)-BACT	5-10-1996	Federally enforceable
RULE 1303(b)(1)-Modeling	12-6-2002	Non federally enforceable
RULE 1303(b)(1)-Modeling	5-10-1996	Federally enforceable
RULE 1303(b)(2)-Offset	12-6-2002	Non 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 1304(c)-Offset Exemption	6-14-1996	Federally enforceable
RULE 1401	9-10-2010	Non federally enforceable
RULE 1415	12-3-2010	Non federally enforceable
RULE 1418	9-10-1999	Non federally enforceable
RULE 1470	5-4-2012	Non federally enforceable
RULE 204	10-8-1993	Federally enforceable
RULE 217	1-5-1990	Federally enforceable
RULE 219	6-1-2007	Non federally enforceable
RULE 219	9-4-1981	Federally enforceable
RULE 3002	11-14-1997	Federally enforceable
RULE 3002	11-5-2010	Non federally enforceable
RULE 3003	11-14-1997	Federally enforceable
RULE 3003	11-5-2010	Non federally enforceable
RULE 3004(a)(4)-Periodic Monitoring	12-12-1997	Federally enforceable
RULE 3005	11-14-1997	Federally enforceable
RULE 3005	11-5-2010	Non federally enforceable
RULE 3007	10-8-1993	Federally enforceable
RULE 301	6-1-2012	Non federally enforceable
RULE 304	6-1-2012	Non federally enforceable
RULE 306	6-1-2012	Non federally enforceable
RULE 401	11-9-2001	Non federally enforceable

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

### SECTION K: TITLE V Administration

<b>RULE SOURCE</b>	<b>Adopted/Amended Date</b>	<b>FEDERAL Enforceability</b>
RULE 401	3-2-1984	Federally enforceable
RULE 402	5-7-1976	Non federally enforceable
RULE 404	2-7-1986	Federally enforceable
RULE 405	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 431.1	6-12-1998	Federally enforceable
RULE 431.2	5-4-1990	Federally enforceable
RULE 431.2	9-15-2000	Non federally enforceable
RULE 481	1-11-2002	Federally enforceable
RULE 701	6-13-1997	Federally enforceable
40CFR 63SubpartZZZZ	3-9-2011	Federally enforceable
40CFR 63SubpartZZZZ_01	3-9-2011	Federally enforceable

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

**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN  
PERMIT PURSUANT TO RULE 219**

NONE

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
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  
 INLAND EMPIRE UTL AGEN. A MUN WATER DIS**

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

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
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  
INLAND EMPIRE UTL AGEN. A MUN WATER DIS**

**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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-04-2005]

Except as otherwise provided in Rule 1107

(c) Requirements

2) 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:

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 1107 11-04-2005]

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
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

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

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1107 11-04-2005]**

<b>VOC LIMITS</b>								
<b>Less Water and Less Exempt Compounds</b>								
<b>Effective Dates, cont.</b>								
<b>Coating</b>	<b>Air-Dried</b>				<b>Baked</b>			
	<b>gm/l</b>		<b>lb/gal</b>		<b>gm/l</b>		<b>lb/gal</b>	
	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>	<b>Current</b>	<b>7/1/07</b>
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

- (3) 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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS**

### **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  
 INLAND EMPIRE UTL AGEN. A MUN WATER DIS**

**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 <sup>1</sup>	Current Limit <sup>2</sup>	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 <sup>3</sup>		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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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  
 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

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

COATING CATEGORY	Ceiling Limit <sup>1</sup>	Current Limit <sup>2</sup>	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 <sup>4</sup>
Architectural Coatings, excluding IM Coatings	50
Solvent-Based IM	600
Waterborne IM	50

4. Effective January 1, 2014.

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]**

- (1) Except as provided in paragraphs (c)(2), (c)(3), (c)(4), and specified coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage any architectural coating for use in the District which, at the time of sale or manufacture, contains more than 250 grams of VOC per liter of coating (2.08 pounds per gallon), less water, less exempt compounds, and less any colorant added to tint bases, and no person shall apply or solicit the application of any architectural coating within the District that exceeds 250 grams of VOC per liter of coating as calculated in this paragraph.
- (2) Except as provided in paragraphs (c)(3), (c)(4), and designated coatings averaged under (c)(6), no person shall supply, sell, offer for sale, manufacture, blend, or repackage, for use within the District, any architectural coating listed in the Table of Standards which 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, and no person shall apply or solicit the application of any architectural coating within the District that exceeds the VOC limit as specified in this paragraph. No person shall apply or solicit the application within the District of any industrial maintenance coatings, except anti-graffiti coatings, for residential use or for use in areas such as office space and meeting rooms of industrial, commercial or institutional facilities not exposed to such extreme environmental conditions described in the definition of industrial maintenance coatings; or of any rust-preventative coating for industrial use, unless such a rust preventative coating complies with the Industrial Maintenance Coating VOC limit specified in the Table of Standards.

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007] TABLE OF STANDARDS VOC LIMITS

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

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Bond Breakers	350							
Clear Wood Finishes	350					275		
Varnish	350					275		
Sanding Sealers	350					275		
Lacquer	680	550			275			
Clear Brushing Lacquer	680				275			
Concrete-Curing Compounds	350						100	
Concrete-Curing Compounds For Roadways and Bridges**	350							
Dry-Fog Coatings	400						150	
Fire-Proofing Exterior Coatings	450	350						
Fire-Retardant Coatings***								
Clear	650							
Pigmented	350							
Flats	250	100						50
Floor Coatings	420		100			50		
Graphic Arts (Sign) Coatings	500							
Industrial Maintenance (IM) Coatings	420			250		100		
High Temperature IM Coatings			420					
Zinc-Rich IM Primers	420		340			100		
Japans/Faux Finishing Coatings	700	350						
Magnesite Cement Coatings	600	450						
Mastic Coatings	300							
Metallic Pigmented Coatings	500							
Multi-Color Coatings	420	250						
Nonflat Coatings	250		150			50		

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 1113 07-13-2007]

COATING CATEGORY	Ceiling Limit*	Current Limit	Effective Date					
			1/1/03	1/1/04	1/1/05	7/1/06	7/1/07	7/1/08
Nonflat High Gloss	250		150				50	
Pigmented Lacquer	680	550			275			
Pre-Treatment Wash Primers	780		420					
Primers, Sealers, and Undercoaters	350		200			100		
Quick-Dry Enamels	400		250			150	50	
Quick-Dry Primers, Sealers, and Undercoaters	350		200			100		
Recycled Coatings			250					
Roof Coatings	300		250		50			
Roof Coatings, Aluminum	500				100			
Roof Primers, Bituminous	350		350					
Rust Preventative Coatings	420		400			100		
Shellac								
Clear	730							
Pigmented	550							
Specialty Primers	350					250	100	
Stains	350		250				100	
Stains, Interior	250							
Swimming Pool Coatings								
Repair	650		340					
Other	340							
Traffic Coatings	250	150					100	
Waterproofing Sealers	400		250			100		
Waterproofing	400					100		
Concrete/Masonry Sealers								
Wood Preservatives								
Below-Ground	350							
Other	350							

\* The specified limits remain in effect unless revised limits are listed in subsequent columns in the Table of Standards.

\*\* Does not include compounds used for curbs and gutters, sidewalks, islands, driveways and other miscellaneous concrete areas.

\*\*\* The Fire-Retardant Coating category will be eliminated on January 1, 2007 and subsumed by the coating category for which they are formulated.

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

**APPENDIX B: RULE EMISSION LIMITS  
[RULE 1113 07-13-2007]**

**TABLE OF STANDARDS (cont.)  
VOC LIMITS**

**Grams of VOC Per Liter of Material**

COATING	Limit
Low-Solids Coating	120

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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)

<u>COATING</u>	<b>VOC LIMITS</b>			
	Grams Per Liter (lb/gal) of Coating, [lbs VOC/lb of solids], Less Water and Less Exempt Compounds			
	<u>Current Limit</u>		<u>On and After</u> <u>7/1/2005</u>	
	I	or	II	
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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS

### 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

<u>COATING</u>	<u>Current Limit</u>	<u>On and After 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

<u>COATING</u>	<u>Current Limit</u>	<u>On and After 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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

### **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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 02-01-1980]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 on the Ringelmann 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 (1)(A).
  
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 1 on the Ringelmann 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 (2)(A).

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1140 08-02-1985]**

- (1) The operator shall not, if he complies with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 2 on the Ringelmann 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 (1)(A).
- (2) The operator shall not, if he is not complying with an applicable performance standard in section (b)(4) of Rule 1140, discharge into the atmosphere from any abrasive blasting 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 as No. 1 on the Ringelmann 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 (2)(A).

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 1145 12-04-2009]

Except as otherwise provided in Rule 1145, no person shall apply on plastics, rubber, leather, or glass any coatings which are applied with a VOC content in excess of the limits listed in the Table of Standards.

### TABLE OF STANDARDS

<b>VOC LIMITS</b>		
<b>LESS WATER AND LESS EXEMPT COMPOUNDS</b>		
COATING CATEGORIES	g/L	lbs/gal
Electrical dissipating and shock free coatings	360	3.0
Extreme performance two-component coatings	420	3.5
General one-component coatings	120	1.0
General two-component coatings	120	1.0
Leather antique coatings	156	1.3
Leather color coatings	60	0.5
Leather sealer coatings	60	0.5
Leather stain coatings	216	1.8
Leather top coatings	120	1.0
Metallic coatings	420	3.5
Military specification one-component coatings	340	2.8
Military specification two-component coatings	420	3.5
Mirror backing curtain coated coatings	500	4.2
Mirror backing rolled coated coatings	312	2.6
Mold seal coatings	750	6.3
Multi-color coatings	680	5.7
Refrigerated glass door coatings	480	4.0
Optical coatings	50	0.4
Vacuum metalizing coatings	800	6.7

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 1145 02-14-1997]

Except as otherwise provided in Rule 1145, the operator shall not apply on plastics, glass, or rubber any coatings which are applied with a VOC content in excess of the limits specified below:

#### COATING

#### VOC LIMITS Less Water and Less Exempt Compounds

	Current		On and After 1-1-98	
	<u>g/L</u>	<u>lbs/gal</u>	<u>g/L</u>	<u>lbs/gal</u>
General Coatings				
One-component	275	2.3	275	2.3
Two-component	420	3.5	420	3.5
Military Spec. Coating				
One-component	340	2.8	340	2.8
Two-component	420	3.5	420	3.5
Multi-Colored Coatings	685	5.7	685	5.7
Mold Seal Coatings	750	6.3	750	6.3
Vacuum Metalizing Coatings	800	6.7	800	6.7
Mirror Backing				
Curtain Coated	500	4.2	500	4.2
Roll Coated	430	3.6	430	3.6
Optical Coatings	800	6.7	800	6.7
Electric Dissipating Coatings and Shock-				
Free Coatings	800	6.7	360	3.0
Metallic Coatings	420	3.5	420	3.5

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]

Except as otherwise provided in Rule 1151

(1) VOC Content of Coatings

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) Group I Vehicles and Equipment

The operator who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

**TABLE 1**

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

<u>COATING</u>	On and After	
	<u>December 12, 1998</u>	
	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5
Primer/Primer Surfacer/ Primer Sealer	250	2.1
Topcoats		
General	340	2.8
Metallic/Iridescent	340*	2.8*
Multi-Colored	685	5.7
Multistage	340*	2.8*
Specialty Coating	840	7.0

\*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobil equipment will be 3.5 lb/gal (less water and exempt compounds).

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]

(B) Group II Vehicles

The operator who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

**TABLE 2**

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

COATING	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
	Pretreatment	780	6.5	780	6.5	780
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day <sup>1</sup>	540	4.5	420 <sup>1</sup>	3.5	420	3.5
< 2 gal/day <sup>2</sup>	540	4.5	540 <sup>2</sup>	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

<sup>1</sup> On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

<sup>2</sup> Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-11-1998]**

(2) Exempt Compounds

The operator shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

The operator shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-02-2005]**

**The following limits of this rule shall sunset on June 30, 2008, and the limits specified in Appendix A shall become effective on July 1, 2008.**

Except as otherwise provided in Rule 1151

(1) **VOC Content of Coatings**

A person shall not apply a coating to Group I vehicles and equipment, and Group II vehicles, or their parts and components, which has a VOC content which exceeds the limits contained in subparagraphs (1)(A) and (1)(B). Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment, or parts and components.

(A) **Group I Vehicles and Equipment**

A person who applies coatings to Group I vehicles and equipment, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 1.

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

**APPENDIX B: RULE EMISSION LIMITS  
 [RULE 1151 12-02-2005]**

**TABLE 1**

<b><u>COATING</u></b>		<b>VOC LIMITS</b>		Liter of Coating,
		<b>Grams Per</b>		
		<b><u>Less Water and Exempt Compounds</u></b>		
		<b>On</b>	<b>and After</b>	
		<b>December 12, 1998</b>		
		<b><u>g/L</u></b>	<b><u>lb/gal</u></b>	
Pretreatment		780	6.5	
Primer/Primer	Surfacer/	250	2.1	
Primer Sealer				
Topcoats				
General		340	2.8	
Metallic/Iridescent		340*	2.8*	
Multi-Colored		685	5.7	
Multistage		340*	2.8*	
Specialty Coating		840	7.0	

\*The VOC limits for Metallic/Iridescent and Multistage topcoats for spot repairs on Group I vehicles and mobile equipment will be 3.5 lb/gal (less water and exempt compounds).

**(B) Group II Vehicles**

A person who applies coatings to Group II vehicles, or their parts or components, shall not apply a coating which has a VOC content in excess of the limits in Table 2.

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-02-2005]

**TABLE 2**

COATING	<b>VOC Limits</b>					
	Grams Per Liter of Coating, Less Water and Exempt Compounds					
	On and After December 12, 1998		On and After July 1, 1999		On and After October 1, 1999	
	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>	<u>g/L</u>	<u>lb/gal</u>
Pretreatment	780	6.5	780	6.5	780	6.5
Primer/Primer Surfacer	250	2.1	250	2.1	250	2.1
Primer Sealer	340	2.8	340	2.8	340	2.8
Topcoats						
General	420	3.5	420	3.5	420	3.5
Metallic/Iridescent	420	3.5	420	3.5	420	3.5
Multi-Colored	685	5.7	685	5.7	685	5.7
Multistage System						
≥ 2 gal/day <sup>1</sup>	540	4.5	420 <sup>1</sup>	3.5	420	3.5
< 2 gal/day <sup>2</sup>	540	4.5	540 <sup>2</sup>	4.5	420	3.5
Multi-Colored Multistage	420	3.5	420	3.5	420	3.5
Specialty Coating	840	7.0	840	7.0	840	7.0

<sup>1</sup> On and after July 1, 1999, any person who uses two gallons or more of combined basecoat and clearcoat, as applied, on any given day shall comply with the 420 g/L (3.5 lb/gal) limit.

<sup>2</sup> Any person who uses less than two gallons of combined basecoat and clearcoat, as applied, on each day up to September 30, 1999 shall comply with the 3.5 lb/gal limit on and after October 1, 1999.

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-02-2005]**

(2) Exempt Compounds

A person shall not apply a coating which contains any Group II exempt compounds as defined in Rule 102 except for methylene chloride; carbon tetrachloride; perchloroethylene; or cyclic, branched, or linear, completely methylated siloxanes (VMS).

(3) Carcinogenic Materials

A person shall not apply the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

### **Appendix A**

**Effective July 1, 2008, the emission limits specified in this appendix shall become effective and replace the limits specified above**

Except as otherwise provided in Rule 1151

- (1) A person shall not apply any coating to a vehicle, mobile equipment, or associated parts or components, that have a VOC content in excess of the limits contained in Table A of this paragraph. Compliance with the VOC limits shall be based on VOC content, including any VOC material added to the original coating supplied by the manufacturer, less water and exempt compounds, as applied to the vehicle, mobile equipment or parts and components.

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-02-2005]

**Table A – Coating Categories and VOC limits**

Coating Categories	VOC Limits Less Water and Less Exempt Compounds					
	Effective Dates					
	July 1, 2008		January 1, 2009		January 1, 2010	
	g/L	lb/gal	g/L	lb/gal	g/L	lb/gal
Adhesion Promoter					540	4.5
Clear Coating	250	2.1				
Color Coating	420	3.5				
Multi-Color Coating			680	5.7		
Pretreatment Coating			660	5.5		
Primer					250	2.1
Single-Stage Coating					340	2.8
Temporary Protective Coating			60	0.5		
Truck Bed Liner Coating			310	2.6		
Underbody Coating			430	3.6		
Uniform Finishing Coating			540	4.5		
Any other coating type			250	2.1		

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

### **APPENDIX B: RULE EMISSION LIMITS [RULE 1151 12-02-2005]**

- (1) **Most Restrictive VOC Limit**  
If any representation on information on the container of any automotive coating, or any label or sticker affixed to the container, or in any sales, advertising, or technical literature supplied by a person that indicates that the coating meets the definition of or is recommended for use for more than one of the coating categories listed in paragraph (1), then the lowest VOC content limit shall apply.
- (2) **VOC Limits Compliance Dates**  
The VOC limits in effect as of December 2, 2005 shall be applicable until superceded by the VOC limits and effectives dates in Table A of paragraph (1).
- (3) **Exempt Compounds**  
A person shall not manufacture, sell, offer for sale, distribute for use in the District, or apply any coating which contains any Group II Exempt Compounds as defined in Rule 102.
- (4) **Carcinogenic Materials**  
A person shall not manufacture the coatings in which cadmium or hexavalent chromium was introduced as a pigment or as an agent to impart any property or characteristic to the coatings during manufacturing, distribution, or use of the applicable coatings.

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
<b>(A) Product Cleaning During Manufacturing Process Or Surface Preparation For Coating, Adhesive, Or Ink Application</b>			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		
(iii) Medical Devices & Pharmaceuticals	800 (6.7)		
<b>(B) Repair and Maintenance Cleaning</b>			
(i) General	25 (0.21)		
(ii) Electrical Apparatus Components & Electronic Components	100 (0.83)		

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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 INLAND EMPIRE UTL AGEN, A MUN WATER DIS

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2008*</b>	<b>EFFECTIVE 1/1/2009</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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:

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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)	

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

	<b>CURRENT LIMITS*</b>	<b>EFFECTIVE 1/1/2010</b>
<b>SOLVENT CLEANING ACTIVITY (cont.)</b>	<b>VOC g/l (lb/gal)</b>	<b>VOC g/l (lb/gal)</b>
(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.

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

### 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  
 INLAND EMPIRE UTL AGEN, A MUN WATER DIS**

**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	
Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot	Cubic meters Per Minute	Cubic feet Per Minute	Milligrams per Cubic Meter	Grains per Cubic Foot
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 INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### 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

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

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

The operator shall not discharge into the atmosphere from this equipment, solid particulate matter including lead and lead compounds in excess of the rate shown in Table 405(a).

Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge 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 405(a)**

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
100 or  less	220 or less	0.450	0.99	9000	19840	5.308	11.7
150	331	0.585	1.29	10000	22050	5.440	12.0
200	441	0.703	1.55	12500	27560	5.732	12.6
250	551	0.804	1.77	15000	33070	5.982	13.2
300	661	0.897	1.98	17500	38580	6.202	13.7
350	772	0.983	2.17	20000	44090	6.399	14.1
400	882	1.063	2.34	25000	55120	6.743	14.9
450	992	1.138	2.51	30000	66140	7.037	15.5
500	1102	1.209	2.67	35000	77160	7.296	16.1
600	1323	1.340	2.95	40000	88180	7.527	16.6

## FACILITY PERMIT TO OPERATE INLAND EMPIRE UTL AGEN. A MUN WATER DIS

### APPENDIX B: RULE EMISSION LIMITS [RULE 405 02-07-1986]

Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All Points of Process		Process Weight Per Hour		Maximum Discharge Rate Allowed for Solid Particulate Matter (Aggregate Discharged From All points of Process	
Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour	Kilograms Per Hour	Pounds Per Hour
700	1543	1.461	3.22	45000	99210	7.738	17.1
800	1764	1.573	3.47	50000	110200	7.931	17.5
900	1984	1.678	3.70	60000	132300	8.277	18.2
1000	2205	1.777	3.92	70000	154300	8.582	18.9
1250	2756	2.003	4.42	80000	176400	8.854	19.5
1500	3307	2.206	4.86	90000	198400	9.102	20.1
1750	3858	2.392	5.27	100000	220500	9.329	20.6
2000	4409	2.563	5.65	125000	275600	9.830	21.7
2250	4960	2.723	6.00	150000	330700	10.26	22.6
2500	5512	2.874	6.34	175000	385800	10.64	23.5
2750	6063	3.016	6.65	200000	440900	10.97	24.2
3000	6614	3.151	6.95	225000	496000	11.28	24.9
3250	7165	3.280	7.23	250000	551200	11.56	25.5
3600	7716	3.404	7.50	275000	606300	11.82	26.1
4000	8818	3.637	8.02	300000	661400	12.07	26.6
4500	9921	3.855	8.50	325000	716500	12.30	27.1
5000	11020	4.059	8.95	350000	771600	12.51	27.6
6000	13230	4.434	9.78	400000	881800	12.91	28.5
7000	15430	4.775	10.5	450000	992100	13.27	29.3
8000	17640	5.089	11.2	500000 or more	1102000 or more	13.60	30.0