

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

Facility Equipment and Requirements (Section D)

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

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMITTED EQUIPMENT LIST

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

Application No.	Permit No.	Equipment Description	Page No.
357035	G17081	SEWAGE TREATMENT (>5 MGD) AEROBIC	4
357036	G17082	BIOFILTER (>100 CFM)	6
388295	F72330	BIOFILTER (>100 CFM)	7
388300	F72331	DAIRY MANURE PROCESSING PLANT	9
433177	F71712	STORAGE TANK DIGESTER GAS	12
475166	F96118	I C E (50-500 HP) EMERGENCY ELEC. GEN-DIESEL	13
489261	G2898	I C E (>500 HP) EMERGENCY ELEC. GEN-DIESEL	15
489264	G2899	I C E (>500 HP) EMERGENCY ELEC. GEN-DIESEL	17

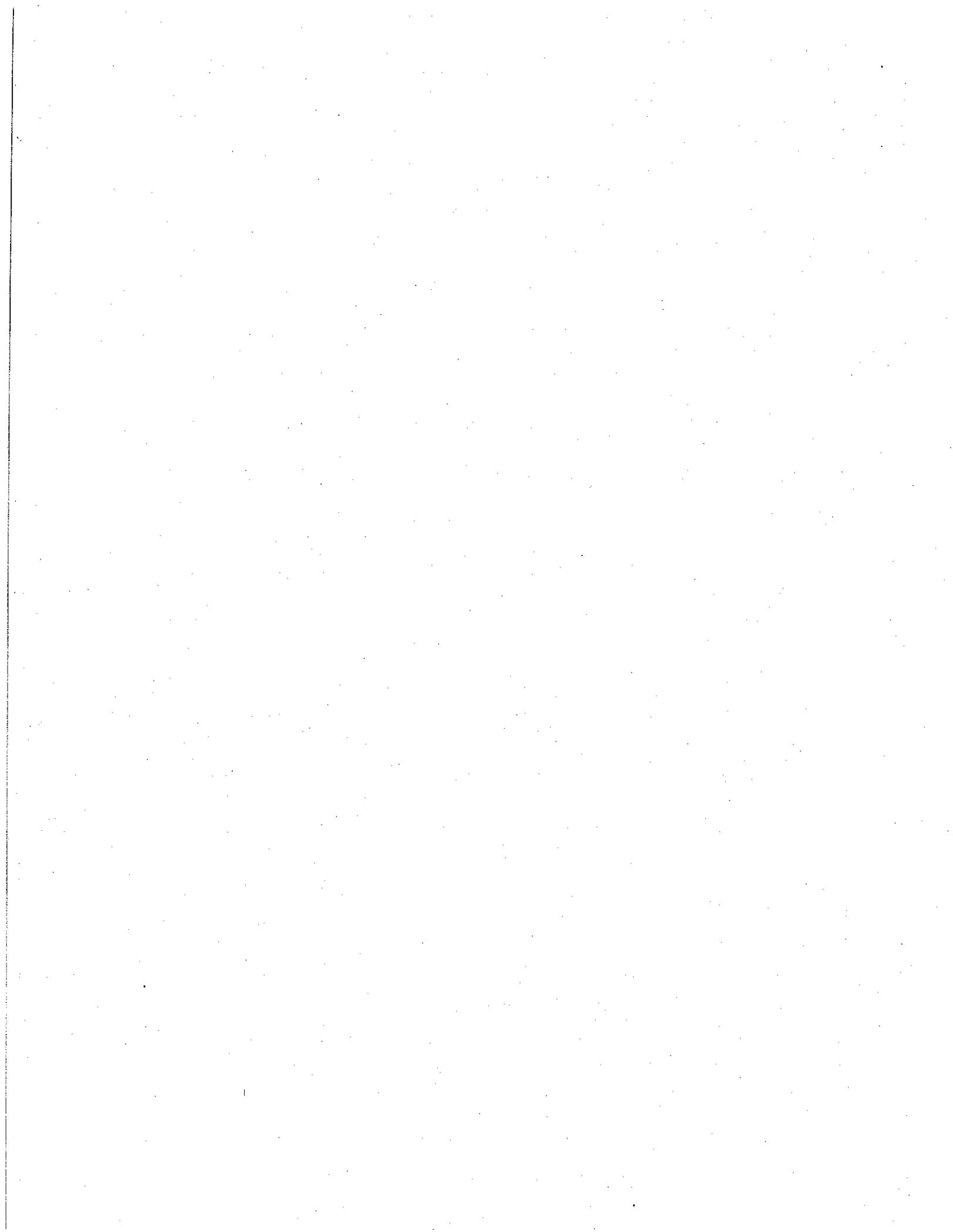
NOTE: EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

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. THIS FACILITY SHALL NOT EMIT TOTAL SULFUR COMPOUNDS AT 5 POUNDS PER DAY OR MORE, CALCULATED AS HYDROGEN SULFIDE. IF THIS LIMIT IS EXCEEDED AT ANY ONE DAY, THE OPERATOR SHALL NOT USE DIGESTER GAS CONTAINING SULFUR COMPOUNDS IN EXCESS OF 40 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED DAILY, OR 40 PPMV AND 500 PPMV WITH A AN AVERAGING PERIOD OF MONTHLY AND 15 MINUTES, OR IN ACCORDANCE WITH THE ALTERNATIVE MONITORING PLAN APPROVED BY SCAQMD IN ACCORDANCE WITH RULE 431.1.
[RULE 431.1]
3. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
[RULE 431.2]
4. THE OWNER OR OPERATOR SHALL COMPLY WITH ALL APPLICABLE CONTENTS OF THE ADDENDUM, MITIGATION MEASURES STIPULATED IN THE STATEMENT OF FINDINGS AND STATEMENT OF OVERRIDING CONSIDERATIONS WHICH ARE PART OF THE CERTIFIED FACILITIES MASTER PLANS PROGRAM ENVIRONMENTAL IMPACT REPORT (FMP PEIR).
[RULE 204]



FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

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

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included is the rule origin and authority of each emission limit and permit condition.

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMITTED EQUIPMENT LIST

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

Application No.	Equipment Description	Page No.
448345	FLARE, ENCLOSED LFG/DG, (SHF)	4
449064	BOILER (<5 MMBTU/HR) OTHER FUEL	8
449065	BOILER (<5 MMBTU/HR) OTHER FUEL	11
449691	I C E (>500 HP) OTHER FUEL-REEP,	14
449694	I C E (>500 HP) OTHER FUEL-REEP,	18
451067	DAIRY MANURE PROCESSING PLANT, supersedes Permit F72331, A/N 388300	22
530245	FOOD WASTE AND DAIRY MANURE PROCESSING PLANT, supersedes A/N 451067	27
536396	I C E (>500 HP) OTHER FUEL-REEP, supersedes A/N 449691	33
536397	I C E (>500 HP) OTHER FUEL-REEP, supersedes A/N 449694	38
536399	AIR POLLUTION CONTROL SYSTEM, BIOFILTER (> 100 CFM), supersedes Permit F72330, A/N 388295	43
536401	DIGESTED EFFLUENT LIQUID WASTE PROCESSING	47

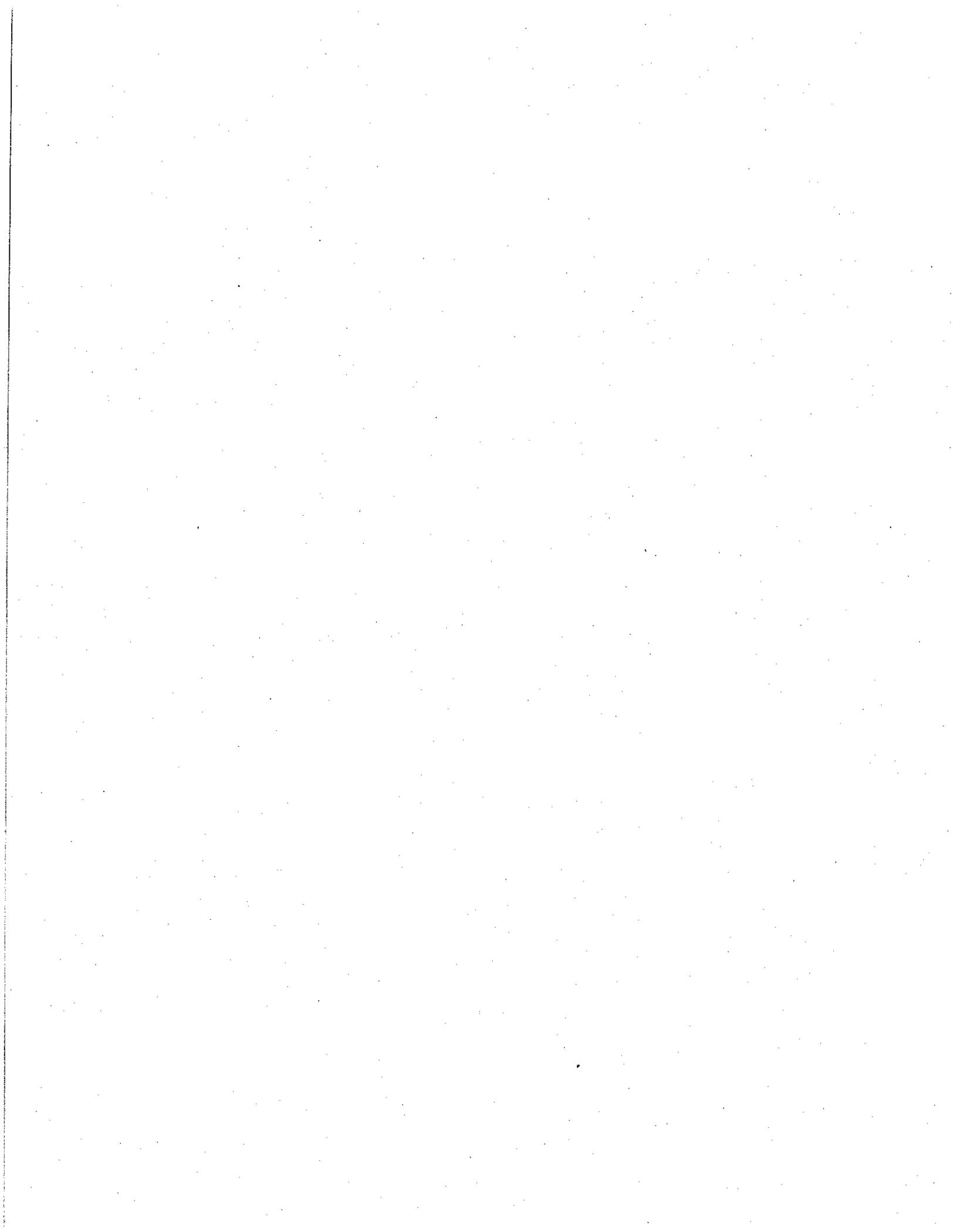
NOTE: EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT OR PERMITS TO OPERATE WILL NOT BE FOUND IN THIS TITLE V PERMIT.

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

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. THIS FACILITY SHALL NOT EMIT TOTAL SULFUR COMPOUNDS AT 5 POUNDS PER DAY OR MORE, CALCULATED AS HYDROGEN SULFIDE. IF THIS LIMIT IS EXCEEDED AT ANY ONE DAY, THE OPERATOR SHALL NOT USE DIGESTER GAS CONTAINING SULFUR COMPOUNDS IN EXCESS OF 40 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED DAILY, OR 40 PPMV AND 500 PPMV WITH A AN AVERAGING PERIOD OF MONTHLY AND 15 MINUTES, OR IN ACCORDANCE WITH THE ALTERNATIVE MONITORING PLAN APPROVED BY SCAQMD IN ACCORDANCE WITH RULE 431.1.
[RULE 431.1]
3. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 15 PPM BY WEIGHT AS SUPPLIED BY THE SUPPLIER.
[RULE 431.2]
4. THE OWNER OR OPERATOR SHALL COMPLY WITH ALL APPLICABLE CONTENTS OF THE ADDENDUM, MITIGATION MEASURES STIPULATED IN THE STATEMENT OF FINDINGS AND STATEMENT OF OVERRIDING CONSIDERATIONS WHICH ARE PART OF THE CERTIFIED FACILITIES MASTER PLANS PROGRAM ENVIRONMENTAL IMPACT REPORT (FMP PEIR).
[RULE 204]



FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMIT TO CONSTRUCT

A/N 530245
Granted as of TBD

Equipment Description:

MODIFICATION TO THE FOOD WASTE AND DAIRY MANURE PROCESSING OPERATIONS UNDER A/N 451067 TO CONSIST OF:

1. WEIGH STATION TRUCK SCALES.
2. LIQUID FOOD WASTE HANDLING SYSTEM, INCLUDING:
 - A. FOUR (4) FOOD WASTE STORAGE TANKS, 15,000 GALLON CAPACITY EACH, VENTED TO AN AIR POLLUTION CONTROL SYSTEM (BIOFILTER) VIA THE RECEIVING AND DEWATERING BUILDING.
 - B. ASSOCIATED SUMP, FEED PUMPS AND VACUUM TRUCK CONNECTIONS.
3. FOOD WASTE AND MANURE RECEIVING AND DEWATERING BUILDING, WITH FOUR (4) ROLL UP DOORS, VENTED TO AN AIR POLLUTION CONTROL SYSTEM (BIOFILTER), INCLUDING:
 - A. FOOD WASTE AND MANURE RECEIVING AND STORAGE AREA.
 - B. FOOD WASTE AND MANURE CLIMBING SCREEN.
 - C. TWO (2) CONCRETE RECEIVING PITS/STORAGE/MIX TANKS, BELOW GROUND LEVEL, 95,000 GALLONS EACH, WITH RECIRCULATING SYSTEM AND ASSOCIATED PUMPS.
 - D. SLUDGE CAKE STORAGE.
4. PRIMARY FOOD WASTE AND MANURE DIGESTER SYSTEM CONSISTING OF:
 - A. TWO (2) DIGESTERS, ANAEROBIC, CONICAL ROOF, EACH 62' DIA. X APPROXIMATELY 55' H., WITH ASSOCIATED AGITATORS, FEED PUMPS, EFFLUENT LINES, AND FOAM SUPPRESSION SYSTEM.
 - B. OPTIONAL ACTIVATED CARBON VESSEL(S) VENTING THE DIGESTERS' PRESSURE RELIEF VALVES.
 - C. TWO (2) SHELL AND TUBE HEAT EXCHANGERS.
5. FOOD WASTE AND WET MANURE PLUG-FLOW MIX DIGESTER TANK, CONCRETE, 195' L. X 60' W. X 14' D., BELOW GROUND LEVEL, WITH A GAS-TIGHT CONCRETE COVER, WITH ASSOCIATED MIXERS, CIRCULATION AND EFFLUENT PUMPS, FOAM SUPPRESSION SYSTEM, AND FIVE (5) SHELL AND TUBE HEAT EXCHANGERS.

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6. DIGESTER GAS HANDLING SYSTEM WITH ASSOCIATED PUMPS, PIPING, AND WATER TRAPS, CONSISTING OF:
 - A. DIGESTER GAS HOLDER (GAS BAG), 424 CUBIC FEET.
 - B. PRIMARY IRON SPONGE DESULFURIZATION SYSTEM WITH TWO IRON SPONGE VESSELS WITH DEMISTER (NEAR CONICAL ROOF DIGESTERS).
 - C. TWO (2) SECONDARY OPTIONAL IRON SPONGE VESSELS WITH DEMISTER (NEAR PLUG FLOW DIGESTER).
 - D. CONDENSATE KNOCK OUT TANK(S).
 - E. TWO (2) LOW PRESSURE DIGESTER GAS TANKS, 1,000 CUBIC FEET EACH.
 - F. GAS BLOWERS, WITH DEMISTER, SUPPLYING DIGESTER GAS FOR BOILERS, STAND-BY FLARE, OR OTHER PERMITTED COMBUSTION EQUIPMENT.
 - G. CONDENSATE KNOCK OUT TANK(S).
 - H. THREE (3) HIGH PRESSURE GAS COMPRESSORS, FOR IC ENGINES.
 - I. TWO (2) DIGESTER GAS TANKS, 4,120 CUBIC FEET EACH, FOR THE IC ENGINES.
7. STORAGE TANK, DIGESTED SOLID EFFLUENT, BELOW GROUND LEVEL, 53,957 GALLONS.
8. DIGESTER SOLIDS DEWATERING SYSTEM (CONTAINED INSIDE THE FOOD WASTE AND MANURE RECEIVING AND DEWATERING BUILDING) CONSISTING OF:
 - A. TWO (2) FOOD WASTE/MANURE PUMPS.
 - B. POLYMER FEED AND CONTROL SYSTEM, TO MAINTAIN WATER FLOW RATE AND SELECTED DILUTE POLYMER CONCENTRATION IN FEED SOLUTION.
 - C. TWO (2) ROTARY PRESSES.
 - D. TWO (2) FLOCCULATORS, WITH SUMP PUMP.
 - E. TWO POLYMER TANKS.
 - F. ONE SCREW CONVEYOR FOR DISCHARGE AND A LOADING CONVEYOR.
9. STORAGE TANK, FILTRATE, 140,000 GALLON CAPACITY, TO BE DISCHARGED TO INLAND EMPIRE BRINE LINE (IEBL) PREVIOUSLY KNOWN AS SANTA ANA RIVER INTERCEPTOR (SARI).
10. SLUDGE CAKE (BIOSOLIDS) FROM DEWATERING EQUIPMENT FOR REMOVAL TO COMPOSTING OR OTHER FACILITY.

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Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THIS 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. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH RULE 1127.
[RULE 1127]
6. THIS FACILITY SHALL NOT ACCEPT OR PROCESS GREATER THAN A COMBINED TOTAL OF 705 WET SHORT TONS PER DAY OF FOOD WASTE AND MANURE.
[RULE 204]
7. THIS FACILITY SHALL NOT ACCEPT OR PROCESS GREATER THAN 615 WET SHORT TONS PER DAY OF FOOD WASTE AND 90 WET SHORT TONS PER DAY OF MANURE. THE WASTE WEIGHT AND TYPE SHALL BE RECORDED ON A DAILY BASIS.
[RULE 204]
8. THE RAW DIGESTER GAS SHALL NOT EXCEED 1400 PPM HYDROGEN SULFIDE CONCENTRATION. IN LIEU OF COMPLYING WITH THE 1400 PPM HYDROGEN SULFIDE CONCENTRATION LIMIT, THE OWNER AND OPERATOR SHALL NOT CONDUCT ANAEROBIC DIGESTION IN THE PLUG-FLOW MIX DIGESTER TANK AND SHALL INSTALL AND MAINTAIN A ACTIVATED CARBON VESSEL(S) WHICH SHALL BE USED TO VENT ANY DIGESTER GAS RELEASED FROM THE DIGESTERS PRESSURE RELIEF VALVES.

THE OWNER OR OPERATOR SHALL SUBMIT FINAL INSTALLATION SPECIFICATIONS, CAPACITY, AND DIMENSIONS IN SUFFICIENT DETAIL OF THE ACTIVATED CARBON VESSEL(S) WITHIN 30 DAYS OF INSTALLATION.
[RULE 204, RULE 402]
9. THE FOOD WASTE AND MANURE TO BE PROCESSED AT THE FOOD WASTE AND MANURE PROCESSING FACILITY SHALL BE TRANSPORTED IN ENCLOSED TANKER TRAILERS TO PREVENT ANY FUGITIVE ODOR EMISSIONS DURING TRANSPORT, LOADING OR DELIVERY. EXTERIOR OF SUCH DELIVERY TANKER TRAILERS SHALL BE CLEAN, INCLUDING TIRES, PRIOR TO THE TRANSPORT.
[RULE 204, RULE 402]

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10. ALL DOORS AND OPENINGS TO THE FOOD WASTE AND MANURE RECEIVING AND SLUDGE DEWATERING BUILDING SHALL REMAIN CLOSED EXCEPT DURING SPECIFIC ACTIVITIES WHICH REQUIRE DOORS TO BE OPEN, INCLUDING LOADING AND UNLOADING, ENTRY AND EGRESS.
[RULE 204, RULE 402]
11. THE FOOD WASTE AND DAIRY MANURE RECEIVING AND DEWATERING BUILDING, DIGESTED EFFLUENT WASTEWATER TREATMENT SYSTEM, AND FOUR 15,000 GALLON FOOD WASTE TANKS WHEN IN OPERATION SHALL BE VENTED ONLY TO AN AIR POLLUTION CONTROL SYSTEM (BIOFILTER) WHICH IS IN GOOD OPERATING CONDITION, IN FULL OPERATION, AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.
[RULE 1303(a)(1) – BACT]
12. SCREENING EQUIPMENT SHALL BE VENTED DIRECTLY TO THE AIR POLLUTION CONTROL SYSTEM WHICH IS IN GOOD OPERATING CONDITION, IN FULL OPERATION, AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.
[RULE 204, RULE 402]
13. ANY SOLID WASTE MATERIAL GENERATED DURING FOOD WASTE AND MANURE SCREENING PROCESS SHALL BE STORED IN DUMPSTERS WITH TIGHT LIDS OR SHALL HAVE ODOR CONTROLS INSTALLED TO PREVENT RELEASE OF ODORS TO ATMOSPHERE.
[RULE 402]
14. FOOD WASTE AND MANURE RECEIVING TANKS SHALL BE COVERED AT ALL TIMES EXCEPT DURING SPECIFIC ACTIVITIES WHICH REQUIRE COVERS TO BE OPEN DURING PERIODIC INSPECTIONS AND CLEANING, AND VENTED TO THE AIR POLLUTION CONTROL SYSTEM WHICH IS IN GOOD OPERATING CONDITION, IN FULL OPERATION, AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.
[RULE 204, RULE 402]
15. THE TOTAL WEIGHT OF THE INFLUENT FOOD WASTE AND DAIRY MANURE LOADS SHALL BE WEIGHED UPON ENTRY TO THE FACILITY AND RECORDED ON A DAILY BASIS.
[RULE 204]
16. THE TOTAL GALLONS OF FOOD WASTE PUMPED FROM THE FOUR FOOD WASTE TANKS INTO THE DIGESTERS SHALL BE MEASURED BY FLOW METER(S) AND RECORDED ON A DAILY BASIS.
[RULE 204]
17. THE TOTAL SOLIDS WEIGHT OF FOOD WASTE AND MANURE DELIVERED TO THE FACILITY SHALL BE WEIGHED, ANALYZED, AND RECORDED ON A DAILY BASIS.
[RULE 204]

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18. DIGESTER GAS (BIOGAS) PRODUCED, SHALL BE SAMPLED, ANALYZED, AND RESULTS RECORDED ON A MONTHLY BASIS, AND DURING ANY ACCIDENTAL DIGESTER GAS RELEASE EVENT, WITHIN 24 HOURS, FOR BTU CONTENT, TOTAL REDUCED SULFUR AS H₂S (PPMV), AND VOLATILE ORGANICS SPECIATED (ONLY DURING THE FIRST MONTH OF OPERATION UNDER THIS PERMIT). AFTER ONE YEAR OF OPERATION UNDER THIS PERMIT, THE OWNER OR OPERATOR MAY REQUEST IN WRITING FOR LESS FREQUENT SAMPLING AND ANALYSIS OF THE DIGESTER GAS.
[RULE 204, RULE 431.1]
19. THE SLUDGE CAKE PRODUCED BY DEWATERING PROCESS SHALL BE REMOVED ON A DAILY BASIS AND EITHER STORED ONSITE IN TIGHTLY CLOSED CONTAINERS OR LOADED AND TRANSPORTED IN AN ENCLOSED TRUCK. LOADED TRUCK TRAILERS SHALL RESIDE INSIDE THE MANURE RECEIVING AND SLUDGE DEWATERING BUILDING AT ALL TIMES, PRIOR TO LEAVING THE FACILITY. NO MORE THAN TWO (2) COVERED TRAILERS, CONTAINING THE SLUDGE CAKE OR EMPTY, STORED ONSITE AT ANY ONE TIME. PRIOR TO LEAVING THE FACILITY, THE EXTERIOR OF THE TRUCK, INCLUDING TIRES, SHALL BE CLEANED.
[RULE 402]
20. ALL OF THE DIGESTER GAS PRODUCED AT THIS FACILITY SHALL BE COMBUSTED IN THE FACILITY FLARE(S), ENGINE(S), BOILER(S), OR OTHER COMBUSTION EQUIPMENT WHICH HAVE EITHER VALID PERMITS TO CONSTRUCT OR OPERATE OR EQUIPMENT WHICH HAVE BEEN DETERMINED TO BE RULE 219 EXEMPT.
[RULE 204, RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]
21. OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF RAW BIOGAS INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION OF THIS EQUIPMENT RESULTING IN THE EMISSION OF RAW BIOGAS SHALL BE REPORTED TO THE DISTRICT IN ACCORDANCE WITH RULE 430, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 402, RULE 430, RULE 1401]
22. THE OPERATOR SHALL PERFORM AMBIENT AIR MONITORING USING A MONITORING SYSTEM IN ACCORDANCE WITH THE FOLLOWING:
 - A. THE OPERATOR SHALL COMPLY WITH AN AMBIENT AIR HYDROGEN SULFIDE MONITORING PROTOCOL APPROVED IN WRITING BY AQMD.
 - B. A MONITORING PROTOCOL DESCRIBING THE USE AND SPECIFICATIONS OF A MONITORING SYSTEM SHALL BE SUBMITTED TO AQMD FOR APPROVAL NO LATER THAN 60 DAYS AFTER THE DATE OF ISSUE OF THIS PERMIT TO CONSTRUCT.
 - C. THE MONITORING SYSTEM SHALL CONSIST OF AT LEAST TWO (2) SEPARATE MONITORING STATIONS AT SPECIFIC LOCATIONS PER THE APPROVED MONITORING PROTOCOL.
 - D. EACH MONITORING STATION SHALL CONTINUOUSLY MEASURE AND RECORD THE HYDROGEN SULFIDE CONCENTRATION AND MONITORS SHALL BE EQUIPPED WITH AUDIBLE AND VISIBLE ALARM SYSTEM.

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- E. THE MONITORING SYSTEM SHALL BE IN FULL OPERATION UPON COMMENCING OPERATION OF THE EQUIPMENT DESCRIBED IN THIS PERMIT TO CONSTRUCT.
 - F. THE DATA PRODUCED BY THE MONITORING SYSTEM SHALL BE RETAINED FOR AT LEAST FIVE YEARS, AND BE MADE AVAILABLE UPON REQUEST BY AQMD PERSONNEL.
 - G. THE OPERATOR SHALL INVESTIGATE AND REPORT TO AQMD, FOLLOWING THE PROCEDURES OF RULE 430 BREAKDOWN, ANY AMBIENT AIR MONITORING RESULT THAT EXCEEDS 0.03 PPMV HYDROGEN SULFIDE IN AIR AT ANY MONITOR.
[RULE 204, RULE 402, RULE 1401]
23. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMIT TO CONSTRUCT

A/N 536396
Granted as of TBD

Equipment Description:

MODIFICATION TO THE COGENERATION SYSTEM UNDER A/N 449691 TO CONSIST OF:

1. BLENDED FUEL GAS STORAGE TANK (DIGESTER GAS, DIGESTER GAS/NATURAL GAS).
2. INTERNAL COMBUSTION ENGINE, NO. 1, CATERPILLAR, MODEL NO. G3608, FOUR CYCLE, 8 CYLINDERS, LEAN BURN, TURBOCHARGED, AFTERCOOLED, FIRED WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLEND, 2131 BHP, WITH HEAT RECOVERY SILENCER UNIT AND DRIVING A 1.5 MW ELECTRICAL GENERATOR.
3. HEAT EXCHANGERS, PUMPS, AIR COMPRESSORS, ORGANIC RANKINE CYCLE (ORC) SYSTEM, THERMAL ENERGY STORAGE AND ABSORPTION CHILLER SYSTEM, AND ORC BY-PASS.
4. EXHAUST STACK, 2'- 6" DIA. X 43' H. MINIMUM (COMMON TO ENGINE NO. 1 AND 2).

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. THIS ENGINE SHALL BE FIRED ONLY ON DIGESTER GAS AND DIGESTER GAS/NATURAL GAS BLEND FUEL, EXCEPT DURING INITIAL COMMISSIONING UTILIZING NATURAL GAS NOT TO EXCEED 150 OPERATING HOURS. THE OWNER OR OPERATOR SHALL NOTIFY SCAQMD 48 HOURS PRIOR TO THE START OF ENGINE COMMISSIONING.
[RULE 1110.2]

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6. THE MONTHLY AVERAGE DIGESTER GAS USAGE BY THE DIGESTER GAS ENGINES SHALL BE 90% OR MORE, BASED ON THE HIGHER HEATING VALUE OF THE FUELS USED. THE CALCULATION OF THE MONTHLY FACILITY DIGESTER GAS USE PERCENTAGE MAY EXCLUDE NATURAL GAS FIRED DURING ANY ELECTRICAL OUTAGE AT THE FACILITY AND A STAGE 2 OR HIGHER ELECTRICAL EMERGENCIES CALLED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION.
[RULE 1110.2]
7. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE ENGINE TO INDICATE AND RECORD THE FUEL USAGE IN CUBIC FEET, FOR EACH TYPE OF FUEL OR FUEL BLEND USED.
[RULE 204, RULE 1110.2]
8. SAMPLING PORT SHALL BE INSTALLED FOR THE INLET GAS LINE TO THE ENGINE TO ALLOW THE COLLECTION OF A FUEL GAS OR FUEL BLEND SAMPLES.
[RULE 204]
9. THE TOTAL HEAT INPUT OF GASEOUS FUEL, OR FUEL BLEND, BURNED IN THIS ENGINE SHALL NOT EXCEED 15.1 MM BTU PER HOUR. A LOG SHALL BE KEPT INDICATING THE TOTAL HEATING VALUE OF FUEL GAS, OR FUEL BLEND, BURNED IN THIS ENGINE BASED ON THE RECORDED FLOW RATE (SCFM) AND THE LATEST WEEKLY BTU CONTENT READING.
[RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]
10. WEEKLY READINGS OF THE BTU CONTENT OF FUEL GAS (BTU/SCF) AT THE INLET TO THE ENGINE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE SCAQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 204]
11. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF THE DAY.
[RULE 204]
12. THE ENGINE SHALL HAVE AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME FOR EACH FUEL OR FUEL BLEND BURNED.
[RULE 1110.2]
13. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
 - A. TOTAL HOURS OF OPERATION.
 - B. THE NUMBER OF HOURS THE ENGINE IS OPERATED ON SPECIFIC FUEL OR FUEL BLENDS USED AND THE FUEL USED.
 - C. FUEL CONSUMPTION OF EACH FUEL TYPE.
 - D. CUMULATIVE HOURS OF OPERATION OF THE ENGINE SINCE THE LAST SOURCE TEST.[RULE 204, RULE 1110.2]

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14. THE OWNER OR OPERATOR SHALL PROVIDE 100% BACKUP CONTROL FOR THE FUEL GAS OR FUEL BLEND NOT UTILIZED BY THE ENGINE(S) AND FUEL GAS SHALL BE DIRECTED TO THE FLARE FOR COMBUSTION OR ANY OTHER COMBUSTION OR PROCESSING FACILITY, WHICH IS IN FULL USE, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED AND HAS BEEN ISSUED A VALID PERMIT BY THE SCAQMD.
[RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]
15. OPERATION OF THIS ENGINE SHALL NOT RESULT IN THE RELEASE OF RAW FUEL GAS, OR FUEL BLEND, INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF FUEL GAS SHALL BE REPORTED PURSUANT TO RULE 430 REQUIREMENTS AND DIRECTLY TO THE SCAQMD MANAGER OF THE REFINERY AND WASTE MANAGEMENT TEAM WITHIN ONE HOUR AFTER OCCURRENCE, OR WITHIN ONE HOUR OF THE TIME THE OPERATING PERSONNEL KNEW OR REASONABLY SHOULD HAVE KNOWN OF THE OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 402, RULE 430, RULE 1401]
16. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF RULE 1110.2, RULE 431.1, AND 40 CFR 63 SUBPART ZZZZ.
[RULE 1110.2, RULE 431.1, 40CFR63 SUBPART ZZZZ]
17. ADEQUATE NUMBER OF SAMPLING PORTS AND WELDED NIPPLES WITH CAPS, WITH ITS SAFE ACCESS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK IN ACCORDANCE WITH RULE 217 AND SCAQMD'S APPROVAL.
[RULE 217]
18. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEASURE THE ENGINE EXHAUST CONCENTRATION FOR NO_x AND O₂, ON A DRY BASIS. IN ADDITION, THE SYSTEM SHALL CONVERT THE ACTUAL NO_x CONCENTRATION TO A CORRECTED NO_x CONCENTRATION AT 15% O₂ AND CONTINUOUSLY RECORD THE STACK NO_x CONCENTRATION AT 15% O₂. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SCAQMD RULE 218. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM SHALL BE APPROVED IN WRITING BY THE EXECUTIVE OFFICER. AN ALTERNATIVE OR PREDICTIVE EMISSIONS MONITORING SYSTEM (PEMS) MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.
[RULE 218, RULE 1110.2]
19. THE OPERATOR SHALL COMPLY WITH THE REPORTING REQUIREMENTS OF RULE 1110.2(f)(1)(H)(i) THROUGH (iii) – AMENDED 9/7/2012, PERTAINING TO ANY EQUIPMENT BREAKDOWN THAT RESULTS IN EMISSIONS IN EXCESS OF RULE OR PERMIT EMISSION LIMITS.
[RULE 1110.2]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

20. WITHIN 60 DAYS AFTER ACHIEVING THE MAXIMUM FUEL GAS FLOW RATE, AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP UNDER THIS PERMIT, UNLESS OTHERWISE APPROVED, AND AT LEAST ONCE EVERY TWO (2) YEARS THEREAFTER, OR EVERY 8,760 OPERATING HOURS WHICHEVER OCCURS FIRST, UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER, THE APPLICANT SHALL CONDUCT PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. RELATIVE ACCURACY TESTS REQUIRED BY RULE 218.1 OR 40 CFR 75 SUBPART E WILL SATISFY THE NON-INITIAL SOURCE TESTING REQUIREMENT FOR THOSE POLLUTANTS MONITORED BY A CEMS. THE SOURCE TEST FREQUENCY MAY BE REDUCED TO ONCE EVERY THREE YEARS IF THE ENGINE HAS OPERATED LESS THAN 2,000 HOURS SINCE THE LAST SOURCE TEST. WRITTEN NOTICE OF THE PERFORMANCE TESTS SHALL BE PROVIDED TO THE SCAQMD 10 DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS, BY AN INDEPENDENT TESTING LABORATORY UNDER RULE 304 (NO CONFLICT OF INTEREST), SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 45 DAYS PRIOR TO START OF THE TESTS. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET FUEL GAS (INCLUDING BTU/SCF, SILOXANES), AND THE ENGINE EXHAUST FOR:

- A. HYDROCARBONS (METHANE AND NON-METHANE, INITIAL TEST ONLY).
- B. CARBON MONOXIDE (EXHAUST ONLY).
- C. OXIDES OF NITROGEN (EXHAUST ONLY).
- D. CARBON DIOXIDE.
- E. TOTAL PARTICULATES (EXHAUST ONLY, INITIAL TEST ONLY).
- F. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED, INLET ONLY).
- G. ALDEHYDES (EXHAUST ONLY, INITIAL TEST ONLY).
- H. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO, BENZENE, CHLOROBENZENE, 1,2-DICHLOROETHANE, 1,1-DICHLOROETHENE, DICHOLOROMETHANE, TETRACHLOROETHYLENE, TETRACHLOROMETHANE, TOLUENE, 1,1,1-TRICHLOROETHANE, TRICHLOROETHYLENE, TRICHLOROMETHANE, VINYL CHLORIDE, AND XYLENE ISOMERS (INITIAL TEST ONLY).
- I. OXYGEN.
- J. NITROGEN.
- K. MOISTURE CONTENT.
- L. TEMPERATURE.
- M. FLOW RATE.

THE REPORT SHALL ALSO PRESENT THE EMISSIONS DATA IN UNITS OF POUNDS PER HOUR (LB/HR), GRAMS/BHP-HR, POUNDS PER MILLION BTU (LB/MMBTU), AND PARTS PER MILLION (PPMV) ON A DRY BASIS AT 15% O₂ (CO, NO_x, AND TNMHC). ALSO PROVIDE ENGINE'S DEMONSTRATED EFFICIENCY AT FULL LOAD WITHOUT CONSIDERATION OF ANY DOWNSTREAM ENERGY RECOVERY FROM THE ACTUAL HEAT RATE, IN BTU/KW-HR, CORRECTED TO THE HIGHER HEATING VALUE (HHV) OF THE FUEL (OR FUEL BLEND).
[RULE 404, RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

21. EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING:

CONTAMINANT	LBS/HR
CO	9.86
NOX (AS NO2)	2.35
PM10	0.23
ROG (AS CH4)	1.01
SOX (AS SO2)	0.20

[RULE 404, RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]

22. INLAND EMPIRE UTILITIES AGENCY (IEUA) SHALL CALCULATE THE MAXIMUM INDIVIDUAL CANCER RISK (MICR), ACUTE HAZARD INDEX (HIA) AND CHRONIC HAZARD INDEX (HIC), BASED ON THE SOURCE TESTS RESULTS, USING AQMD PUBLISHED "RISK ASSESSMENT PROCEDURES FOR RULES 1401 AND 212" (VERSION 7.0), TO DETERMINE THE COMPLIANCE WITH RULE 1401. RESULTS SHALL BE SUBMITTED TO AQMD.
[RULE 1401]
23. ALL RECORDS SHALL BE KEPT AND MAINTAINED FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004]

Emissions and Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
CO: 2000 PPMV, @ 15% O2, DRY, RULE 1110.2
ROG: 250 PPMV, @ 15% O2, DRY, RULE 1110.2
NOx: 36 PPMV, @ 15% O2, DRY, RULE 1110.2
CO: 2.1 G/BHP-HR, MAJOR SOURCE - LAER
ROG: 0.216 G/BHP-HR, MAJOR SOURCE - LAER
NOx: 0.50 G/BHP-HR, <0.53 G/BHP-HR - LAER

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMIT TO CONSTRUCT

A/N 536397
Granted as of TBD

Equipment Description:

MODIFICATION TO THE COGENERATION SYSTEM UNDER A/N 449691 TO CONSIST OF:

1. BLENDED FUEL GAS STORAGE TANK (DIGESTER GAS, DIGESTER GAS/NATURAL GAS).
2. INTERNAL COMBUSTION ENGINE, NO. 2, CATERPILLAR, MODEL NO. G3608, FOUR CYCLE, 8 CYLINDERS, LEAN BURN, TURBOCHARGED, AFTERCOOLED, FIRED WITH DIGESTER GAS OR DIGESTER GAS/NATURAL GAS BLEND, 2131 BHP, WITH HEAT RECOVERY SILENCER UNIT AND DRIVING A 1.5 MW ELECTRICAL GENERATOR.
3. HEAT EXCHANGERS, PUMPS, AIR COMPRESSORS, ORGANIC RANKINE CYCLE (ORC) SYSTEM, THERMAL ENERGY STORAGE AND ABSORPTION CHILLER SYSTEM, AND ORC BY-PASS.
4. EXHAUST STACK, 2'- 6" DIA. X 43' H. MINIMUM (COMMON TO ENGINE NO. 1 AND 2).

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. THIS ENGINE SHALL BE FIRED ONLY ON DIGESTER GAS AND DIGESTER GAS/NATURAL GAS BLEND FUEL, EXCEPT DURING INITIAL COMMISSIONING UTILIZING NATURAL GAS NOT TO EXCEED 150 OPERATING HOURS. THE OWNER OR OPERATOR SHALL NOTIFY SCAQMD 48 HOURS PRIOR TO THE START OF ENGINE COMMISSIONING.
[RULE 1110.2]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

6. THE MONTHLY AVERAGE DIGESTER GAS USAGE BY THE DIGESTER GAS ENGINES SHALL BE 90% OR MORE, BASED ON THE HIGHER HEATING VALUE OF THE FUELS USED. THE CALCULATION OF THE MONTHLY FACILITY DIGESTER GAS USE PERCENTAGE MAY EXCLUDE NATURAL GAS FIRED DURING ANY ELECTRICAL OUTAGE AT THE FACILITY AND A STAGE 2 OR HIGHER ELECTRICAL EMERGENCIES CALLED BY THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION.
[RULE 1110.2]
7. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED AND MAINTAINED IN THE FUEL SUPPLY LINE TO THE ENGINE TO INDICATE AND RECORD THE FUEL USAGE IN CUBIC FEET, FOR EACH TYPE OF FUEL OR FUEL BLEND USED.
[RULE 204, RULE 1110.2]
8. SAMPLING PORT SHALL BE INSTALLED FOR THE INLET GAS LINE TO THE ENGINE TO ALLOW THE COLLECTION OF A FUEL GAS OR FUEL BLEND SAMPLES.
[RULE 204]
9. THE TOTAL HEAT INPUT OF GASEOUS FUEL, OR FUEL BLEND, BURNED IN THIS ENGINE SHALL NOT EXCEED 15.1 MM BTU PER HOUR. A LOG SHALL BE KEPT INDICATING THE TOTAL HEATING VALUE OF FUEL GAS, OR FUEL BLEND, BURNED IN THIS ENGINE BASED ON THE RECORDED FLOW RATE (SCFM) AND THE LATEST WEEKLY BTU CONTENT READING.
[RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]
10. WEEKLY READINGS OF THE BTU CONTENT OF FUEL GAS (BTU/SCF) AT THE INLET TO THE ENGINE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE SCAQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 204]
11. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF THE DAY.
[RULE 204]
12. THE ENGINE SHALL HAVE AN OPERATIONAL NON-RESETTABLE TOTALIZING TIME METER TO DETERMINE THE ENGINE ELAPSED OPERATING TIME FOR EACH FUEL OR FUEL BLEND BURNED.
[RULE 1110.2]
13. AN ENGINE OPERATING LOG SHALL BE MAINTAINED WHICH ON A MONTHLY BASIS SHALL LIST ALL ENGINE OPERATIONS IN EACH OF THE FOLLOWING AREAS:
 - A. TOTAL HOURS OF OPERATION.
 - B. THE NUMBER OF HOURS THE ENGINE IS OPERATED ON SPECIFIC FUEL OR FUEL BLENDS USED AND THE FUEL USED.
 - C. FUEL CONSUMPTION OF EACH FUEL TYPE.
 - D. CUMULATIVE HOURS OF OPERATION OF THE ENGINE SINCE THE LAST SOURCE TEST.[RULE 204, RULE 1110.2]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

14. THE OWNER OR OPERATOR SHALL PROVIDE 100% BACKUP CONTROL FOR THE FUEL GAS OR FUEL BLEND NOT UTILIZED BY THE ENGINE(S) AND FUEL GAS SHALL BE DIRECTED TO THE FLARE FOR COMBUSTION OR ANY OTHER COMBUSTION OR PROCESSING FACILITY, WHICH IS IN FULL USE, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED AND HAS BEEN ISSUED A VALID PERMIT BY THE SCAQMD.
[RULE 402, RULE 1303(a)(1)-BACT, RULE 1401]
15. OPERATION OF THIS ENGINE SHALL NOT RESULT IN THE RELEASE OF RAW FUEL GAS, OR FUEL BLEND, INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF FUEL GAS SHALL BE REPORTED PURSUANT TO RULE 430 REQUIREMENTS AND DIRECTLY TO THE SCAQMD MANAGER OF THE REFINERY AND WASTE MANAGEMENT TEAM WITHIN ONE HOUR AFTER OCCURRENCE, OR WITHIN ONE HOUR OF THE TIME THE OPERATING PERSONNEL KNEW OR REASONABLY SHOULD HAVE KNOWN OF THE OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 402, RULE 430, RULE 1401]
16. THIS EQUIPMENT SHALL BE OPERATED IN COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF RULE 1110.2, RULE 431.1, AND 40 CFR 63 SUBPART ZZZZ.
[RULE 1110.2, RULE 431.1, 40CFR63 SUBPART ZZZZ]
17. ADEQUATE NUMBER OF SAMPLING PORTS AND WELDED NIPPLES WITH CAPS, WITH ITS SAFE ACCESS SHALL BE INSTALLED AND MAINTAINED IN THE EXHAUST STACK IN ACCORDANCE WITH RULE 217 AND SCAQMD'S APPROVAL.
[RULE 217]
18. A CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEASURE THE ENGINE EXHAUST CONCENTRATION FOR NO_x AND O₂, ON A DRY BASIS. IN ADDITION, THE SYSTEM SHALL CONVERT THE ACTUAL NO_x CONCENTRATION TO A CORRECTED NO_x CONCENTRATION AT 15% O₂ AND CONTINUOUSLY RECORD THE STACK NO_x CONCENTRATION AT 15% O₂. THIS MONITORING SYSTEM SHALL COMPLY WITH THE REQUIREMENTS OF SCAQMD RULE 218. PRIOR TO INSTALLATION, THIS MONITORING SYSTEM SHALL BE APPROVED IN WRITING BY THE EXECUTIVE OFFICER. AN ALTERNATIVE OR PREDICTIVE EMISSIONS MONITORING SYSTEM (PEMS) MAY BE SUBMITTED CONCURRENTLY WITH THE AFOREMENTIONED CEMS.
[RULE 218, RULE 1110.2]
19. THE OPERATOR SHALL COMPLY WITH THE REPORTING REQUIREMENTS OF RULE 1110.2(f)(1)(H)(i) THROUGH (iii) – AMENDED 9/7/2012, PERTAINING TO ANY EQUIPMENT BREAKDOWN THAT RESULTS IN EMISSIONS IN EXCESS OF RULE OR PERMIT EMISSION LIMITS.
[RULE 1110.2]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

20. WITHIN 60 DAYS AFTER ACHIEVING THE MAXIMUM FUEL GAS FLOW RATE, AT WHICH THE EQUIPMENT WILL BE OPERATED, BUT NOT LATER THAN 180 DAYS AFTER INITIAL START-UP UNDER THIS PERMIT, UNLESS OTHERWISE APPROVED, AND AT LEAST ONCE EVERY TWO (2) YEARS THEREAFTER, OR EVERY 8,760 OPERATING HOURS WHICHEVER OCCURS FIRST, UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER, THE APPLICANT SHALL CONDUCT PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WRITTEN RESULTS OF SUCH PERFORMANCE TESTS WITHIN 60 DAYS AFTER TESTING. RELATIVE ACCURACY TESTS REQUIRED BY RULE 218.1 OR 40 CFR 75 SUBPART E WILL SATISFY THE NON-INITIAL SOURCE TESTING REQUIREMENT FOR THOSE POLLUTANTS MONITORED BY A CEMS. THE SOURCE TEST FREQUENCY MAY BE REDUCED TO ONCE EVERY THREE YEARS IF THE ENGINE HAS OPERATED LESS THAN 2,000 HOURS SINCE THE LAST SOURCE TEST. WRITTEN NOTICE OF THE PERFORMANCE TESTS SHALL BE PROVIDED TO THE SCAQMD 10 DAYS PRIOR TO THE TESTING SO THAT AN OBSERVER MAY BE PRESENT. ALL SOURCE TESTING AND ANALYTICAL METHODS, BY AN INDEPENDENT TESTING LABORATORY UNDER RULE 304 (NO CONFLICT OF INTEREST), SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 45 DAYS PRIOR TO START OF THE TESTS. THE OPERATOR SHALL COMPLY WITH ALL GENERAL TESTING, REPORTING, AND RECORDKEEPING REQUIREMENTS IN SECTIONS E AND K OF THIS PERMIT. THE TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET FUEL GAS (INCLUDING BTU/SCF, SILOXANES), AND THE ENGINE EXHAUST FOR:

- A. HYDROCARBONS (METHANE AND NON-METHANE, INITIAL TEST ONLY).
- B. CARBON MONOXIDE (EXHAUST ONLY).
- C. OXIDES OF NITROGEN (EXHAUST ONLY).
- D. CARBON DIOXIDE.
- E. TOTAL PARTICULATES (EXHAUST ONLY, INITIAL TEST ONLY).
- F. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED, INLET ONLY).
- G. ALDEHYDES (EXHAUST ONLY, INITIAL TEST ONLY).
- H. TOXIC AIR CONTAMINANTS INCLUDING, BUT NOT LIMITED TO, BENZENE, CHLOROBENZENE, 1,2-DICHLOROETHANE, 1,1-DICHLOROETHENE, DICHOLOROMETHANE, TETRACHLOROETHYLENE, TETRACHLOROMETHANE, TOLUENE, 1,1,1-TRICHLOROETHANE, TRICHLOROETHYLENE, TRICHLOROMETHANE, VINYL CHLORIDE, AND XYLENE ISOMERS (INITIAL TEST ONLY).
- I. OXYGEN.
- J. NITROGEN.
- K. MOISTURE CONTENT.
- L. TEMPERATURE.
- M. FLOW RATE.

THE REPORT SHALL ALSO PRESENT THE EMISSIONS DATA IN UNITS OF POUNDS PER HOUR (LB/HR), GRAMS/BHP-HR, POUNDS PER MILLION BTU (LB/MMBTU), AND PARTS PER MILLION (PPMV) ON A DRY BASIS AT 15% O₂ (CO, NO_x, AND TNMHC). ALSO PROVIDE ENGINE'S DEMONSTRATED EFFICIENCY AT FULL LOAD WITHOUT CONSIDERATION OF ANY DOWNSTREAM ENERGY RECOVERY FROM THE ACTUAL HEAT RATE, IN BTU/KW-HR, CORRECTED TO THE HIGHER HEATING VALUE (HHV) OF THE FUEL (OR FUEL BLEND).
[RULE 404, RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

21. EMISSIONS FROM THIS ENGINE SHALL NOT EXCEED THE FOLLOWING:

CONTAMINANT	LBS/HR
CO	9.86
NOX (AS NO2)	2.35
PM10	0.23
ROG (AS CH4)	1.01
SOX (AS SO2)	0.20

[RULE 404, RULE 1110.2, RULE 1303(a)(1)-BACT, RULE 1303(b)(1), RULE 1303(b)(2)-Modeling & Offset]

22. INLAND EMPIRE UTILITIES AGENCY (IEUA) SHALL CALCULATE THE MAXIMUM INDIVIDUAL CANCER RISK (MICR), ACUTE HAZARD INDEX (HIA) AND CHRONIC HAZARD INDEX (HIC), BASED ON THE SOURCE TESTS RESULTS, USING AQMD PUBLISHED "RISK ASSESSMENT PROCEDURES FOR RULES 1401 AND 212" (VERSION 7.0), TO DETERMINE THE COMPLIANCE WITH RULE 1401. RESULTS SHALL BE SUBMITTED TO AQMD.
[RULE 1401]
23. ALL RECORDS SHALL BE KEPT AND MAINTAINED FOR A PERIOD OF AT LEAST FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO SCAQMD PERSONNEL UPON REQUEST.
[RULE 3004]

Emissions and Requirements:

24. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
CO: 2000 PPMV, @ 15% O2, DRY, RULE 1110.2
ROG: 250 PPMV, @ 15% O2, DRY, RULE 1110.2
NOx: 36 PPMV, @ 15% O2, DRY, RULE 1110.2
CO: 2.1 G/BHP-HR, MAJOR SOURCE - LAER
ROG: 0.216 G/BHP-HR, MAJOR SOURCE - LAER
NOx: 0.50 G/BHP-HR, <0.53 G/BHP-HR - LAER

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

PERMIT TO CONSTRUCT

A/N 536399
Granted as of TBD

Equipment Description:

ALTERATION OF THE AIR POLLUTION CONTROL SYSTEM UNDER PERMIT F72330, A/N 388295
CONSISTING OF:

1. BIOFILTER, CUSTOM MADE, MULTI-COMPARTMENTS, 37'-0" W. X 74'-0" L. X 9'-0" D. OVERALL DIMENSIONS EACH COMPARTMENT, CONTAINING BIOFILTER MEDIA, WITH INCOMING FOUL AIR HUMIDIFICATION AND SURFACE IRRIGATION SYSTEM.
2. EXHAUST SYSTEM WITH A 60 H.P. FAN, HARTZELL FAN, INC., MODEL 412-44-FAU3-STFC13, 29,000 CFM, SERVING THE DAIRY MANURE RECEIVING AND DELIVERY BUILDING, CONTAINING MANURE HANDLING, LOADING/UNLOADING, STORAGE, HEATING / MIXING TANKS, SLUDGE DEWATERING, AND SLUDGE-CAKE STORAGE OPERATIONS;

BY REPLACEMENT OF THE FOLLOWING:

1. "37'-0" W. X 74'-0" L. X 9'-0" D. OVERALL DIMENSIONS EACH COMPARTMENT" WITH "74'-0" W. X 111'-0" L. X 9'-0" D. OVERALL BIOFILTER DIMENSIONS" (ITEM NO. 1).
2. "DAIRY MANURE RECEIVING AND DELIVERY BUILDING" WITH "FOOD WASTE AND DAIRY MANURE RECEIVING AND DEWATERING BUILDING" (ITEM NO. 2).

AND BY ADDITION OF THE FOLLOWING:

1. OPTIONAL ADDITION OF 5 FT. OF MEDIA IN WIDTH, 16 FT. OF MEDIA IN LENGTH, AND 2 FT. OF MEDIA IN HEIGHT TO THE OVERALL DIMENSIONS OF THE BIOFILTER, AND/OR OPTIONAL REDUCTION OF 3 FT. OF MEDIA IN HEIGHT TO THE BIOFILTER (ITEM NO. 1).
2. OPTIONAL SHORING EQUIPMENT ALONG THE SIDES OF THE BIOFILTER, INCLUDING CONCRETE BARRIERS, SUCH AS K-RAILS, OR EQUIVALENT EQUIPMENT.
3. VENTING THE DIGESTED EFFLUENT WASTEWATER TREATMENT SYSTEM AND FOUR (4) 15,000 GALLON LIQUID FOOD WASTE STORAGE TANKS, VENTED THROUGH THE RECEIVING AND DELIVERY BUILDING (ITEM NO. 2).

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE CONSTRUCTED, OPERATED AND MAINTAINED BY PROPERLY TRAINED PERSONNEL.
[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. THIS EQUIPMENT SHALL BE IN FULL OPERATION WHENEVER THE FOOD WASTE AND DAIRY MANURE RECEIVING AND DEWATERING BUILDING, DIGESTED EFFLUENT WASTEWATER TREATMENT SYSTEM, OR FOUR 15,000 GALLON FOOD WASTE TANKS ARE IN OPERATION, EXCEPT DURING A BIOFILTER MEDIA REPLACEMENT EVENT, WHICH SHUTS OFF OPERATION OF HALF OF THE BIOFILTER AT A TIME, WHICH SHALL NOT EXCEED 48 HOURS AND SHALL NOT OCCUR MORE THAN ONCE EVERY 3 YEARS, UNLESS OTHERWISE APPROVED. EACH REPLACEMENT EVENT SHALL BE RECORDED WITH DATE, TIME, DURATION AND PURPOSE OF THE SHUTDOWN.
[RULE 204]
6. SAMPLING/TESTING PORT(S) SHALL BE PROVIDED AT THE BIOFILTER FOUL AIR INLET LINE, ADEQUATELY SPACED DOWNSTREAM AND UPSTREAM OF ANY FLOW DISTURBANCE AS PER DISTRICT GUIDELINES AND AT 90 DEGREES APART, AND SHALL CONSIST OF ADEQUATE SIZE WELDED NIPPLES WITH CAPS, UNLESS OTHERWISE APPROVED.
[RULE 217]
7. THE INCOMING FOUL AIR HUMIDIFICATION AND SURFACE IRRIGATION SYSTEMS SHALL BE MAINTAINED IN GOOD OPERATING CONDITION, AT ALL TIMES, AND SHALL BE UTILIZED TO MAINTAIN THE BIOFILTER TO BE SUFFICIENTLY MOIST.
[RULE 402]
8. A CONTINUOUS FLOW INDICATOR SHALL BE INSTALLED AND MAINTAINED AT THE HEADER TO THE BIOFILTER TO INDICATE THE FLOW RATE IN STANDARD CUBIC FEET PER MINUTE (SCFM). IN CASE A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE POSTED ON THE EQUIPMENT TO INDICATE THE FLOW RATE (IN SCFM) CORRESPONDING TO THE PRESSURE READING. THE FLOW RATE AT THE INLET TO THE BIOFILTER SHALL BE INDICATED AND RECORDED AT LEAST ONCE PER WEEK. THE INLET FLOW RATE TO THE BIOFILTER SHALL NOT EXCEED 29,000 SCFM.
[RULE 204]
9. A TEMPERATURE INDICATOR SHALL BE INSTALLED AND MAINTAINED AT THE HEADER TO THE BIOFILTER. THE FOUL AIR TEMPERATURE SHALL BE INDICATED AND RECORDED AT LEAST ONCE PER WEEK.
[RULE 204]
10. THE TEMPERATURE OF THE BIOFILTER MEDIA SHALL BE MEASURED AT A MINIMUM OF 5 LOCATIONS AND RECORDED AT LEAST ONCE PER WEEK.
[RULE 204]

FACILITY PERMIT TO OPERATE INLAND EMPIRE UTILITIES AGENCY

11. THE MOISTURE CONTENT OF THE BIOFILTER MEDIA SHALL BE MEASURED USING A MOISTURE SENSOR AT A MINIMUM OF 5 LOCATIONS AND RECORDED AT LEAST ONCE PER WEEK. THE MOISTURE SENSOR SHALL BE CALIBRATED WITH EACH MONITORING VISIT.
[RULE 204]
12. THE OWNER OR OPERATOR SHALL CONDUCT DAILY INSPECTIONS TO MAKE SURE THAT THE BIOFILTER SURFACE IRRIGATION SPRINKLERS, INCLUDING WATER SUPPLY PUMPS, ARE OPERATING SATISFACTORILY AND ARE MAINTAINING THE BIOFILTER SURFACE SUFFICIENTLY MOIST. RECORDS OF SURFACE MONITORING, INCLUDING CORRECTIVE DAILY ACTIONS, IF NECESSARY, SHALL BE MAINTAINED.
[RULE 204]
13. THE OWNER OR OPERATOR SHALL CONDUCT DAILY INSPECTIONS TO MAKE SURE THAT THE BIOFILTER SURFACE DOES NOT CONTAIN APERTURES OR EXCESSIVE VEGETATION.
[RULE 204]
14. SMOKE BOMB TESTS SHALL BE CONDUCTED AT LEAST ANNUALLY TO DEMONSTRATE UNIFORM DISTRIBUTION OF AIR FLOWS, AND AREAS OF COMPACTION, AND/OR CHANNELING, THAT NEEDS REPAIR.
[RULE 204]
15. THE CONCENTRATION OF HYDROGEN SULFIDE (H₂S) AT THE BIOFILTER SURFACES (TOP AND SIDES) SHALL BE MEASURED, USING COLORIMETRIC TUBES OR A PORTABLE H₂S ANALYZER, AT LEAST ONCE PER MONTH. THE MEASURED H₂S CONCENTRATION SHALL NOT EXCEED 0.43 PPMV AVERAGED OVER THE SURFACE (AVERAGED OVER 25 POINTS, 6 OF WHICH SHALL BE MEASURED ON THE SIDES OF THE BIOFILTER IF SHORING EQUIPMENT IS NOT USED TO ENCLOSE THE SIDES) OF THE BIOFILTER. IF ANY SINGLE H₂S CONCENTRATION READING EXCEEDS 1 PPMV, THE OPERATOR SHALL INVESTIGATE, REPAIR, AND TAKE ANY OTHER CORRECTIVE ACTION NECESSARY UNTIL THE H₂S CONCENTRATION READING AT THE SAME LOCATION IS LESS THAN 1 PPMV H₂S. MONITORING RECORDS AND RECORDS OF CORRECTIVE ACTIONS SHALL BE KEPT AND MAINTAINED ON FILE.
[RULE 402, RULE 1401]
16. EMISSION FROM THIS EQUIPMENT SHALL NOT EXCEED THE FOLLOWING:
TOTAL NON-METHANE ORGANIC COMPOUNDS (TNMOC) 1.08 LBS/HR
[RULE 1303(b)(2)-Offsets]
17. THE OWNER OR OPERATOR OF THE EQUIPMENT SHALL CONDUCT SOURCE PERFORMANCE TESTS WITHIN 180 DAYS OF OPERATION, OR AS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER, UNDER THIS PERMIT AND EVERY FIVE YEARS THEREAFTER UNDER THE FOLLOWING CONDITIONS:
 - A. THE TESTS SHALL BE CONDUCTED AT 75% OR GREATER THAN THE MAXIMUM FOOD WASTE/DAIRY MANURE THROUGHPUT RATES.
 - B. A TEST PROTOCOL SHALL BE SUBMITTED TO AQMD NO LATER THAN 60 DAYS BEFORE THE PROPOSED TEST DATE AND SHALL BE APPROVED BY THE EXECUTIVE OFFICER BEFORE THE TEST COMMENCES. AT A MINIMUM, THE TEST PROTOCOL SHOULD INCLUDE THE FOLLOWING:

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- I. 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).
 - II. A BRIEF PROCESS DESCRIPTION.
 - III. OPERATING CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED, INCLUDING FLOW RATE, TEMPERATURE, PRESSURE, AND THROUGHPUT.
 - IV. A DESCRIPTION OF THE SAMPLING AND ANALYTICAL METHODS FOR EACH CONSTITUENT MEASURED.
 - V. COMPLETE CALCULATIONS FOR FLOW RATES, CONCENTRATIONS, EMISSION RATES AND EFFICIENCIES.
 - VI. A DESCRIPTION OF THE CALIBRATION AND QUALITY ASSURANCE PROCEDURES.
 - VII. SAMPLING FACILITIES SHALL COMPLY WITH THE DISTRICT GUIDELINES FOR CONSTRUCTION OF SAMPLING AND TESTING FACILITIES, PURSUANT TO RULE 217.
 - VIII. 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.
- C THE BIOFILTER TESTS SHALL INCLUDE, BUT MAY NOT BE LIMITED TO:
- A. TOTAL NON METHANE ORGANIC COMPOUNDS (TNMOC).
 - B. SPECIATED ORGANICS (INITIAL TEST ONLY, OUTLET ONLY).
 - C. TOTAL SULFUR COMPOUNDS AS H₂S.
 - D. AMMONIA.

ALL COMPOUNDS SHALL BE TESTED AT THE INLET AND OUTLET OF THE BIOFILTER AND RESULTS REPORTED IN UNITS OF PPMV AND LBS/HR, UNLESS OTHERWISE NOTED.
[RULE 217, RULE 204, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-Offsets, RULE 1401]

18. THE OPERATOR SHALL KEEP RECORDS OF MAINTENANCE PERFORMED ON THE BIOFILTER.
[RULE 204]
19. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]

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PERMIT TO CONSTRUCT

A/N 536401
Granted as of TBD

Equipment Description:

DIGESTED EFFLUENT LIQUID WASTE PROCESSING SYSTEM CONSISTING OF:

1. ROTATING SLUDGE THICKENER (RST) SYSTEM, 300 GPM MAXIMUM FLOW, WITH HORIZONTAL CYLINDRICAL DRUM AND INTERNALLY FED ROTARY SCREEN.
2. DISSOLVED AIR FLOATATION (DAF) SYSTEM, 300 GPM MAXIMUM FLOW, WITH ONE (1) TANK, WITH POLYMER FEED AND STORAGE SYSTEM, AND ASSOCIATED MIXERS AND PUMPS.
3. OPTIONAL MOVING BED BIOFILM REACTOR (MBBR) SYSTEM WITH ASSOCIATED PUMPS.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. THIS 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. THE TOTAL GALLONS OF DIGESTED EFFLUENT PROCESSED AND DISCHARGED BY THIS EQUIPMENT SHALL BE MEASURED (BY FLOW METERS) AND RECORDED ON A DAILY BASIS.
[RULE 204]
6. THIS EQUIPMENT SHALL NOT EMIT GREATER THAN 0.49 POUNDS PER DAY OF VOLATILE ORGANIC COMPOUNDS.
[RULE 1303]
7. THIS EQUIPMENT WHEN IN OPERATION SHALL BE VENTED TO AN AIR POLLUTION CONTROL SYSTEM (BIOFILTER) WHICH IS IN GOOD OPERATING CONDITION, IN FULL OPERATION, AND HAS A VALID PERMIT TO CONSTRUCT/OPERATE ISSUED BY THE SCAQMD.
[RULE 204]

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8. ANY SOLID WASTE MATERIAL GENERATED FROM THE DIGESTED EFFLUENT LIQUID WASTE PROCESSING SYSTEM SHALL BE RETURNED TO THE RECEIVING PITS/STORAGE MIX TANKS OR DIGESTERS, OR STORED IN DUMPSTERS WITH TIGHT LIDS FOR DISPOSAL.
[RULE 204]

9. THE DIGESTED EFFLUENT AT THE INLET TO THIS EQUIPMENT AND THE FINAL EFFLUENT AT THE OUTLET OF THIS EQUIPMENT SHALL BE SAMPLED, ANALYZED, AND THE RESULTS RECORDED ON A MONTHLY BASIS FOR TOTAL SOLIDS CONTENT, TOTAL SULFUR COMPOUNDS AS H₂S (PPMV), VOLATILE ORGANIC COMPOUNDS, AND VOLATILE ORGANICS SPECIATED (ONLY ONCE DURING THE FIRST MONTH OF OPERATION UNDER THIS PERMIT). AFTER ONE YEAR OF OPERATION, THE OWNER OR OPERATOR MAY REQUEST IN WRITING FOR LESS FREQUENT SAMPLING AND ANALYSIS OF THE LIQUID WASTE.
[RULE 204]

10. ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR A MINIMUM OF FIVE (5) YEARS AND SHALL BE MADE AVAILABLE TO THE AQMD PERSONNEL UPON REQUEST.
[RULE 204]