

FACILITY PERMIT TO OPERATE USA WASTE OF CAL (EL SOBRANTE LANDFILL)

PERMIT TO OPERATE

Permit No. TBD
A/N 537512

Equipment Description:

LANDFILL GAS FLARING SYSTEM CONSISTING OF:

1. KNOCKOUT VESSEL/GAS FILTER, ENDUSTRA, 2'-6" DIA. BY 6'-1" HIGH, 5,500 CFM CAPACITY.
2. SHUTOFF VALVES.
3. BLOWER, HOUSTON SERVICE INDUSTRIES, 200 HP, 5,500 SCFM CAPACITY, COMMON TO THE FLARING SYSTEM AND LANDFILL GAS FIRED INTERNAL COMBUSTION ENGINES.
4. TWO (2) BLOWERS, HOUSTON SERVICE INDUSTRIES, MODEL 14104, EACH 200 HP, 5,500 SCFM VARIABLE FREQUENCY DRIVE.
5. FLARE (NO. 3), JOHN ZINK, MODEL ZULE, 13' DIA. BY 60' HIGH, AUTOMATIC AIR DAMPER, PROPANE PILOT, 100 HP COMBUSTION AIR BLOWER, FOUR SOURCE TEST PORTS.
6. TWO PROPANE TANKS, 8.5 GALLONS EACH.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. FOUR (4) SAMPLING PORTS SHALL BE PROVIDED IN THE FLARE STACK AT LEAST FIVE (5) FEET UPSTREAM OF THE FLARE OUTLET. EACH SAMPLING PORT SHALL CONSIST OF A FOUR INCH COUPLING. ALL PORTS SHALL BE PROPERLY CENTERED. AN EQUIVALENT METHOD OF EMISSION SAMPLING MAY BE USED UPON APPROVAL OF THE EXECUTIVE OFFICER, ADEQUATE AND SAFE ACCESS TO ALL TEST PORTS SHALL BE PROVIDED.
[RULE 217]
5. A SAMPLING PORT SHALL BE MAINTAINED AT THE INLET GAS LINE TO THE FLARE(S) TO ALLOW THE COLLECTION OF LANDFILL GAS SAMPLES.
[RULE 217, RULE 431.1, RULE 150.1]

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6. THE FLARE SHALL BE EQUIPPED WITH A TEMPERATURE INDICATOR AND RECORDER WHICH MEASURES AND RECORDS THE GAS TEMPERATURE IN THE FLARE STACK. THE TEMPERATURE INDICATOR AND RECORDER SHALL OPERATE WHENEVER THE FLARE IS IN OPERATION. THE TEMPERATURE SHALL BE MEASURED AT A LOCATION ABOVE THE FLAME ZONE AT LEAST 0.6 SECONDS DOWNSTREAM OF THE BURNER AND NOT LESS THAN FIVE (5) FEET FROM THE TOP OF THE STACK.

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

7. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES FAHRENHEIT, 15 MINUTE AVERAGE, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED EXCEPT DURING PERIODS OF STARTUP AND SHUTDOWN. STARTUP IS DEFINED AS THE PERIOD FROM FLARE IGNITION TO THE TIME WHEN 1400 DEGREES FAHRENHEIT IS ACHIEVED, NOT TO EXCEED 30 MINUTES. SHUTDOWN IS THE PERIOD BEGINNING WHEN THE GAS VALVE BEGINS TO CLOSE AND ENDING WHEN THE GAS VALVE COMPLETELY SHUTS OFF, NOT TO EXCEED 30 MINUTES.

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

8. THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE EXHAUST TEMPERATURE, FOR THE FLARE, SHALL BE MAINTAINED AT A MINIMUM 1400 DEGREES FAHRENHEIT WHENEVER THE EQUIPMENT IT SERVES IS IN OPERATION.

CONTINUOUS EXHAUST TEMPERATURE MONITORING AND RECORDING SYSTEM SHALL BE PURSUANT TO THE OPERATION AND MAINTENANCE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.7. SUCH A SYSTEM SHALL HAVE AN ACCURACY OF WITHIN +/-1% OF THE TEMPERATURE BEING MONITORED AND SHALL BE INSPECTED, MAINTAINED, AND CALIBRATED ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS USING AN APPLICABLE SCAQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A TEMPERATURE OF LESS THAN 1400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION EXCEPT DURING STARTUPS AND SHUTDOWNS NOT TO EXCEED 30 MINUTES. EXHAUST TEMPERATURE SHALL BE AVERAGED OVER A 15 MINUTE PERIOD, AND HOURLY AVERAGE SHALL BE COMPUTED FROM SUCH DATA POINTS. THE OPERATOR SHALL REVIEW THE RECORDS OF TEMPERATURE ON A DAILY BASIS TO DETERMINE IF A DEVIATION OCCURS OR SHALL INSTALL AN ALARM SYSTEM TO ALERT THE OPERATOR WHEN A DEVIATION OCCURS.

FOR EACH SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K, WHENEVER A DEVIATION OCCURS FROM 1400 DEGREES FAHRENHEIT, THE OPERATOR SHALL TAKE IMMEDIATE CORRECTIVE ACTION, AND KEEP RECORDS OF THE DURATION AND CAUSE (INCLUDING UNKNOWN CAUSE, IF APPLICABLE) OF THE DEVIATION AND THE CORRECTIVE ACTION TAKEN.

ALL DEVIATIONS SHALL BE REPORTED TO THE SCAQMD ON A SEMI-ANNUAL BASIS PURSUANT TO THE REQUIREMENTS SPECIFIED IN 40 CFR PART 64.9 AND CONDITION NOS. 22 AND 23 IN SECTION K OF THIS PERMIT.

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THE OPERATOR SHALL SUBMIT AN APPLICATION WITH A QUALITY IMPROVEMENT PLAN (QIP) IN ACCORDANCE WITH 40 CFR PART 64.8 TO THE SCAQMD IF AN ACCUMULATION OF DEVIATIONS EXCEEDS 5 PERCENT DURATION OF THIS EQUIPMENT'S TOTAL OPERATING TIME FOR ANY SEMI-ANNUAL REPORTING PERIOD SPECIFIED IN CONDITION NO. 23 IN SECTION K OF THIS PERMIT. THE REQUIRED QIP SHALL BE SUBMITTED TO THE SCAQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE SCAQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.
[40 CFR 64]

9. THE FLARE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUT DOWN SYSTEM WITH A FAILURE ALARM, WHICH HAS BEEN APPROVED BY SCAQMD, TO AUTOMATICALLY ISOLATE THE FLARE FROM THE LANDFILL GAS SUPPLY LINE, SHUT OFF THE BLOWERS AND IMMEDIATELY NOTIFY A RESPONSIBLE PARTY OF THE SHUT DOWN.
[RULE 1303(a)(1)-BACT]
10. THE AUTOMATIC SHUT DOWN SAFETY SYSTEM SHALL BE TESTED AT LEAST ANNUALLY FOR PROPER OPERATION AND THE RESULTS RECORDED.
[RULE 1303(a)(1)-BACT]
11. A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE LANDFILL GAS SUPPLY LINE TO THE FLARE TO MEASURE AND RECORD THE QUANTITY OF LANDFILL GAS IN STANDARD CUBIC FEET PER MINUTE (SCFM) BEING BURNED IN THE FLARE.
[RULE 1303(b)(2)-OFFSET]
12. THE VOLUME OF LANDFILL GAS BURNED IN FLARE NO. 3 SHALL NOT EXCEED 6325 SCFM.
[RULE 1303(b)(2)-OFFSET]
13. THE HEAT INPUT THROUGH FLARE NO. 3 SHALL NOT EXCEED 167.15 MILLION BTU(S) PER HOUR.
[RULE 1303(b)(2)-OFFSET]
14. WEEKLY READINGS OF THE METHANE CONTENT OF THE GAS AT THE INLET TO THE FLARE SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY SCAQMD. ALL RESULTS SHALL BE RECORDED.
[RULE 1303(b)(2)-OFFSET]
15. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 1303(b)(2)-OFFSET]
16. THE FLARE SHALL BE EQUIPPED WITH A SUFFICIENT NUMBER OF VIEW PORTS TO ALLOW VISUAL INSPECTION OF THE FLAME HEIGHT WITHIN THE FLARE AT ALL TIMES. THE VIEW PORTS SHALL BE LOCATED AT THE ELEVATION OF THE TEMPERATURE SENSOR LOCATIONS. SAFE AND ADEQUATE ACCESS SHALL BE PROVIDED FOR ALL VIEW PORTS UPON REQUEST BY SCAQMD PERSONNEL.
[RULE 217, RULE 1303(a)(1)-BACT]

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17. THE FLARE SHALL BE OPERATED SO THAT THE FLAME IN THE FLARE REMAINS BELOW THE HEIGHT OF THE FLARE'S OPERATING THERMOCOUPLE AT ALL TIMES.
[RULE 1303(a)(1)-BACT]
18. THE MAXIMUM FLARE SKIN TEMPERATURE AT ANY LOCATION SHALL NOT EXCEED 250 DEGREES FAHRENHEIT.
[RULE 217]
19. THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF RAW LANDFILL GAS INTO THE ATMOSPHERE. ANY BREAKDOWNS OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD WITHIN ONE HOUR AFTER OCCURRENCE, AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 402, RULE 430, RULE 1150.1]
20. THE OWNER OR OPERATOR OF THIS EQUIPMENT SHALL CONDUCT ANNUAL PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD APPROVED TEST PROCEDURES AND FURNISH THE SCAQMD WITH WRITTEN RESULTS OF SUCH PERFORMANCE TESTS IN ACCORDANCE WITH SCAQMD RULE 1150.1 REQUIREMENTS. 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 SHALL BE SUBMITTED TO THE SCAQMD FOR APPROVAL AT LEAST 60 DAYS PRIOR TO THE TESTING.

THE TESTS SHALL BE CONDUCTED AT THE MAXIMUM FLOW RATES ALLOWED BY THIS PERMIT, OR THE MAXIMUM FLOW RATES ACHIEVABLE, AND SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET GAS TO THE FLARE AND THE FLARE EXHAUST FOR:

- A. METHANE.
- B. TOTAL NON-METHANE ORGANICS.
- C. OXIDES OF NITROGEN (EXHAUST ONLY).
- D. CARBON MONOXIDE (EXHAUST ONLY).
- E. TOTAL PARTICULATES (EXHAUST ONLY).
- F. HYDROGEN SULFIDE (INLET ONLY).
- G. C1 THROUGH C3 SULFUR COMPOUNDS (SPECIATED, INLET ONLY).
- H. CARBON DIOXIDE.
- I. RULE 1150.1 TABLE 1 COMPOUNDS.
- J. OXYGEN.
- K. NITROGEN.
- L. MOISTURE CONTENT.
- M. TEMPERATURE.
- N. FLOWRATE.
- O. NMOC DESTRUCTION EFFICIENCY.

[RULE 1150.1, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 1401, 40 CFR 60 SUBPART WWW, 40 CFR 63 SUBPART AAAA]

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Emissions and Requirements:

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

CO: 2000 PPM, RULE 407
CO: 0.06 LBS/MMBTU, RULE 1303(a)(1)-BACT
CO: 10.03 LBS/HR, RULE 1303(b)(2)-OFFSETS
CO: 7322 LBS/MONTH, RULE 1313
NOX: 0.025 LBS/MMBTU, RULE 1303(a)(1)-BACT
NOX: 4.18 LBS/HR, AS NO₂, RULE 1303(b)(2)-OFFSETS
NOX: 3051 LBS/MONTH, RULE 1313
PM: RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM: 0.1 GR/SCF, RULE 409
PM₁₀: 3.41 LBS/HR, RULE 1303(b)(2)-OFFSETS
PM₁₀: 2489 LBS/MONTH, RULE 1313
NMOC: 20 PPMV OR 98 WEIGHT PERCENT REDUCTION, RULE 1150.1, 40 CFR 60 SUBPART WWW, 40 CFR SUBPART AAAA
TNMOC: 6.57 LBS/HR, AS CH₄, RULE 1303(b)(2)-OFFSETS
TNMOC: 4796 LBS/MONTH, RULE 1313
SOX: 6.41 LBS/HR, AS SO₂, RULE 1303(b)(2)-OFFSETS
SOX: 4679LBS/MONTH, RULE 1313

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PERMIT TO CONSTRUCT/OPERATE

Permit No. TBD
A/N 537513

Equipment Description:

ALTERATION OF:

LANDFILL GAS COLLECTION SYSTEM CONSISTING OF:

1. PHASE I-II LANDFILL GAS COLLECTION SYSTEM:
 - A. TWENTY-FOUR (24) VERTICAL WELLS, 4" AND 6" DIA. AT VARYING DEPTHS RANGING FROM 20 FEET TO 170 FEET.
2. PHASE III-V LANDFILL GAS COLLECTION SYSTEM:
 - A. SIX (6) HORIZONTAL COLLECTOR LINES, HDPE PIPING, VARYING DIAMETERS RANGING FROM 6" 12" DIA. WITH VARYING LENGTHS FROM 880 FEET TO 1,220 FEET.
 - B. FORTY-SIX (46) VERTICAL WELLS, 4" AND 6" DIA. AT VARYING DEPTHS RANGING FROM 13 FEET TO 200 FEET.
3. PHASE VI-X LANDFILL GAS COLLECTION SYSTEM:
 - A. FOUR (4) HORIZONTAL COLLECTOR LINES, HDPE PIPING, 6" DIA. WITH VARYING LENGTHS FROM 225 TO 1,900 FEET.
 - B. FORTY-THREE (43) VERTICAL WELLS, 4" AND 6" DIA. AT VARYING DEPTHS RANGING FROM 25 FEET TO 200 FEET.
4. GAS TRANSMISSION HEADER AND LATERAL PIPING SYSTEM SERVING THE VERTICAL AND HORIZONTAL WELLS TO DIRECT THE LANDFILL GAS TO THE PROCESSING/CONTROL SYSTEM.

BY ADDITION OF:

1. TWO HUNDRED (200) ADDITIONAL VERTICAL WELLS AS NEEDED.
2. FIFTY (50) ADDITIONAL HORIZONTAL COLLECTORS AS NEEDED.

AND/OR REMOVAL OF:

1. SEVENTY-FIVE (75) VERTICAL WELLS AS NEEDED.
2. TWENTY-FIVE (25) HORIZONTAL COLLECTORS AS NEEDED.

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Conditions:

1. CONSTRUCTION AND OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL PROPERLY TRAINED IN ITS OPERATION.
[RULE 204]
4. WELL DRILLING, DRIVING AND/OR TRENCHING SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 6 P.M. AND 7 A.M. OR ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE SCAQMD.
[RULE 402, RULE 1150]
5. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED ON DAYS WHEN THE SCAQMD FORECASTS FIRST, SECOND OR THIRD STAGE EPISODES FOR AREA NO. 22, OR WHEN THE SCAQMD REQUIRES COMPANIES IN AREA NO. 22 TO IMPLEMENT THEIR FIRST, SECOND OR THIRD STAGE EPISODE PLANS. EPISODE FORECASTS FOR THE FOLLOWING DAY CAN BE OBTAINED BY CALLING (800) CUT-SMOG.
[RULE 1150]
6. WELL DRILLING, DRIVING AND/OR TRENCHING SHALL NOT BE CONDUCTED WHEN THE WIND SPEED IS GREATER THAN 15 M.P.H. AVERAGE (OVER 15 MINUTES) OR THE WIND SPEED INSTANTANEOUSLY EXCEEDS 25 M.P.H.
[RULE 402, RULE 403, RULE 1150]
7. DURING WELL DRILLING, A LANDFILL GAS CONTROL BOX SHALL BE USED TO PREVENT THE EMISSIONS OF LANDFILL GAS INTO THE ATMOSPHERE, AND THIS CONTROL BOX SHALL BE VENTED TO AN APPROVED EMISSIONS CONTROL SYSTEM.
[RULE 1150, RULE 1303(a)(1)-BACT]
8. EACH WELL SHALL BE COMPLETED AND CAPPED THE SAME DAY ITS CONSTRUCTION COMMENCES UNLESS THE WELL HOLE IS COMPLETELY SEALED AND THE WELL CASING IS CONNECTED TO THE GAS COLLECTION HEADER TO PREVENT ANY LANDFILL GAS FROM ESCAPING INTO THE ATMOSPHERE.
[RULE 402, RULE 1150.1]
9. THE CONSTRUCTION OF ANY PIPING OR WELL TRENCH WHICH EXPOSES LANDFILL TRASH TO THE ATMOSPHERE SHALL BE STAGED SUCH THAT NO MORE THAN ONE HUNDRED (100) LINEAR FEET OF TRENCH IS EXPOSED AT ANY TIME PRIOR TO BACKFILLING.
[RULE 402, RULE 1150]

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10. WELL HOLES, TRENCHES, AND EXPOSED LANDFILL TRASH SHALL BE COMPLETELY COVERED TO PREVENT ANY EMISSIONS OF LANDFILL GAS TO THE ATMOSPHERE WHENEVER WORK IS NOT ACTIVELY IN PROGRESS. THE COVER SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A MINIMUM OF 6 INCHES OF CLEAN DIRT, APPROVED FOAM, OR HEAVY-DUTY PLASTIC SHEETING. FOAM BY ITSELF SHALL NOT BE USED AS A NIGHT COVER IF IT IS RAINING OR RAIN IS PREDICTED BY THE NATIONAL WEATHER SERVICE PRIOR TO THE NEXT SCHEDULED WORKING DAY.
[RULE 402, RULE 1150]
11. FOR PURPOSES OF THIS PERMIT, CONSTRUCTION SPOILS ARE LANDFILL TRASH, MATERIAL THAT IS MIXED WITH LANDFILL TRASH, MATERIAL THAT HAS BEEN IN CONTACT WITH LANDFILL TRASH, OR ODOROUS MATERIAL THAT IS REMOVED FROM WELL HOLES OR TRENCHES.
[RULE 1150]
12. CONSTRUCTION SPOILS AND ALL WORKING AREAS BEING ACTIVELY USED FOR TRUCK AND CONSTRUCTION EQUIPMENT TRAFFICKING SHALL BE MAINTAINED IN A MOIST CONDITION TO MINIMIZE DUST AND EMISSIONS.
[RULE 401, RULE 403, RULE 1150]
13. ALL CONSTRUCTION SPOILS SHALL BE TRANSPORTED TO THE ACTIVE WORKING FACE OF THE LANDFILL WITHIN ONE HOUR OF GENERATION OR AS DEEMED NECESSARY BY THE DISTRICT PERSONNEL.
[RULE 402, RULE 1150]
14. DURING TRANSPORT OF THE CONSTRUCTION SPOILS, NO MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE VEHICLE HAULING THE MATERIAL.
[RULE 1150]
15. THE EXTERIOR OF THE VEHICLE (INCLUDING THE TIRES) HAULING THE CONSTRUCTION SPOILS SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORKING SITE.
[RULE 1150]
16. IF A DISTINCT ODOR LEVEL (LEVEL III OR GREATER) RESULTING FROM THE CONSTRUCTION IS DETECTED AT OR BEYOND THE PROPERTY LINE, ALL WORK SHALL CEASE UNTIL THE ODOR SOURCES ARE DETERMINED AND ELIMINATED. ODOR LEVELS SHALL BE DETERMINED BY SCAQMD PERSONNEL OR ON-SITE SAFETY COORDINATOR IN THE ABSENCE OF SCAQMD PERSONNEL.
[RULE 402, RULE 1150]
17. DURING CONSTRUCTION, IF A CONSIDERABLE NUMBER OF COMPLAINTS ARE RECEIVED, ALL WORK SHALL CEASE AND APPROVED MITIGATION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE EMISSIONS CAUSING THE COMPLAINTS ARE MITIGATED AND THE APPROVAL TO RESUME WORK IS RECEIVED FROM THE SCAQMD.
[RULE 402, RULE 1150]
18. MITIGATION MEASURES, OTHER THAN THOSE INDICATED IN THESE CONDITIONS, WHICH ARE DEEMED APPROPRIATE BY SCAQMD PERSONNEL AS NECESSARY TO PROTECT THE COMFORT, REPOSE, HEALTH OR SAFETY OF THE PUBLIC SHALL BE IMPLEMENTED UPON REQUEST.
[RULE 402, RULE 1150]

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19. ANY BREAKDOWN OR MALFUNCTION OF THE SYSTEM RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
[RULE 430]
20. EACH HORIZONTAL GAS COLLECTION WELL SHALL BE CONNECTED TO AN OPERATING LANDFILL GAS HEADER OR THE ENDS OF THE WELL SHALL BE SEALED WITH BLIND FLANGES OR OTHER TYPES OF SEALS APPROVED BY THE SCAQMD AS SOON AS THE WELL IS INSTALLED.
[RULE 1150.1]
21. EACH VERTICAL AND HORIZONTAL WELL HEAD SHALL BE EQUIPPED WITH A SHUT-OFF VALVE AND A SAMPLING PORT.
[RULE 1150, RULE 1150.1]
22. UNTIL CONNECTED TO AN OPERATING LANDFILL GAS COLLECTION SYSTEM, EACH COMPLETED WELL SHALL BE CAPPED AND ITS GAS CONTROL VALVE CLOSED TO AVOID VENTING LANDFILL GAS TO THE ATMOSPHERE.
[RULE 402, RULE 1150, RULE 1150.1]
23. EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING.
[RULE 402, RULE 1150, RULE 1150.1]
24. ALL OPENINGS OF THIS SYSTEM SHALL BE PROPERLY COVERED AND SEALED TO PREVENT ANY VAPORS FROM ENTERING INTO THE ATMOSPHERE.
[RULE 402, RULE 1150, RULE 1150.1]
25. ALL GASES COLLECTED BY THIS SYSTEM SHALL BE VENTED TO A COMBUSTION OR PROCESSING FACILITY WHICH IS IN FULL USE, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED, AND HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE SCAQMD.
[RULE 1150.1, RULE 1303(a)(1)-BACT]
26. THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF ANY RAW LANDFILL GAS OR CONDENSATE INTO THE ATMOSPHERE.
[RULE 402, RULE 1150.1]
27. THE SCAQMD SHALL BE NOTIFIED IN WRITING AT LEAST ONE (1) WEEK IN ADVANCE WHEN AN ADDITIONAL WELL OR SET OF WELLS AND THEIR ASSOCIATED PIPING WILL BE INSTALLED. THE PROPOSED WELL LOCATIONS AND CONNECTING PIPING SHALL BE IDENTIFIED ON A DRAWING WHICH SHOWS THE ENTIRE GAS COLLECTION SYSTEM AND SHALL BE DESCRIBED IN WRITING. ESTIMATED GAS COLLECTION VOLUME, WELL DEPTHS, PIPE LENGTHS, DIAMETERS AND LAYOUTS SHALL BE SUPPLIED TO THE SCAQMD IN THIS ADVANCE NOTIFICATION.
[RULE 1150.1]
28. THE PERMITTEE SHALL SUBMIT ANNUAL AS-BUILT DRAWINGS IN DUPLICATE TO THE SCAQMD. AS-BUILT DRAWINGS SHALL DEPICT ALL WELLS CONSTRUCTED TO DATE.
[RULE 1150.1]

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29. THIS PERMIT TO CONSTRUCT 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. AT LEAST 30 DAYS PRIOR TO THE EXPIRATION DATE OF THE PERMIT TO CONSTRUCT, THE OPERATOR SHALL MAKE A WRITTEN REQUEST FOR AND OBTAIN AN EXTENSION OF TIME TO CONSTRUCT THIS EQUIPMENT ON AN ANNUAL BASIS UNTIL SUCH TIME CONSTRUCTION IS COMPLETED.
[RULE 205]

Emissions and Requirements:

30. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- GASEOUS EMISSIONS: RULE 1150.1
GASEOUS EMISSIONS: 40 CFR 60 SUBPART WWW
GASEOUS EMISSIONS: 40 CFR 63 SUBPART AAAA

FACILITY PERMIT TO OPERATE USA WASTE OF CAL (EL SOBRANTE LANDFILL)

PERMIT TO CONSTRUCT/OPERATE

Permit No. TBD
A/N 537514

Equipment Description:

ALTERATION OF:

LANDFILL GAS CONDENSATE, LEACHATE, GROUNDWATER AND SUBDRAIN WATER COLLECTION, STORAGE AND TREATMENT SYSTEM CONSISTING OF:

1. CONDENSATE COLLECTION SYSTEM.
 - A. FOUR (4) CONDENSATE SUMPS.
 - B. CONDENSATE TANK (CHS-19), UNDERGROUND, EPOXY LINED CARBON STEEL, 300 GALLON CAPACITY, 2'-6" DIA. BY 8' HIGH, LOCATED WITHIN OPEN FIBERGLASS TANK AT THE FLARE STATION, COLLECTING CONDENSATE FROM PARTICULATE FILTER/MOISTURE KNOCKOUT AND OTHER SOURCES, VENTED TO GAS HEADER.
 - C. CONDENSATE COLLECTION TANK (T-101), UNDERGROUND, DOUBLE WALLED, FIBERGLASS REINFORCED PLASTIC, 1000 GALLON CAPACITY, 4' OUTSIDE DIA. BY 11' LONG, VENTED TO GAS HEADER.
2. LCRS COLLECTION SYSTEM.
 - A. FIVE (5) SUMPS.
 - B. LEACHATE LINES SERVING THE LCRS SYSTEM.
3. GROUNDWATER/SUBDRAIN WATER COLLECTION SYSTEM.
 - A. GROUNDWATER EXTRACTION WELLS.
 - B. SUBDRAIN LINES SERVING GROUNDWATER SYSTEM.
4. LIQUIDS STORAGE SYSTEM.
 - A. TANK (T-104A), LEACHATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER.
 - B. TANK (T-104B), LEACHATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER.
 - C. TANK (T-104C), LEACHATE, ABOVEGROUND, 5,000 GALLON CAPACITY, 10'-0" DIA. BY 8'-10" HIGH, VENTED TO GAS HEADER.

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- D. TANK (T-104C), ABOVEGROUND, CROSS LINKED POLYETHYLENE, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER, TO BE INSTALLED WHEN NEEDED TO REPLACE T-104C (5000 GALLON).
5. ASSOCIATED PUMPS, DRAIN LINES AND PIPING.
6. UP TO FOUR TEMPORARY TANKS, BAKER TYPE.

BY ADDITION OF:

1. ONE (1) CONDENSATE SUMP. [1. CONDENSATE COLLECTION SYSTEM ITEM A.]
2. FIVE (5) OPTIONAL CONDENSATE SUMPS. [1. CONDENSATE COLLECTION SYSTEM ITEM B.]
3. FIVE (5) OPTIONAL SUMPS. [2. LCRS COLLECTION SYSTEM ITEM B.]
4. SUBDRAIN LIQUIDS COLLECTION TANK (T-101), UNDERGROUND, DOUBLE WALLED, FIBERGLASS REINFORCED PLASTIC, 1000 GALLON CAPACITY, 4' OUTSIDE DIA. BY 11' LONG, VENTED TO GAS HEADER. [3. GROUNDWATER/SUBDRAIN WATER COLLECTION SYSTEM ITEM C.]
6. TANK (T-104A), LEACHATE AND CONDENSATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER. [4. LIQUIDS STORAGE SYSTEM ITEM A.]
7. TANK (T-104B), LEACHATE AND CONDENSATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER. [4. LIQUIDS STORAGE SYSTEM ITEM B.]
8. TANK (T-104C), LEACHATE AND CONDENSATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER. [4. LIQUIDS STORAGE SYSTEM ITEM C.]
9. UP TO FOUR TEMPORARY TANKS.

BY REMOVAL OF:

1. CONDENSATE COLLECTION TANK (T-101), UNDERGROUND, DOUBLE WALLED, FIBERGLASS REINFORCED PLASTIC, 1000 GALLON CAPACITY, 4' OUTSIDE DIA. BY 11' LONG, VENTED TO GAS HEADER.
2. TANK (T-104A), LEACHATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER.
3. TANK (T-104B), LEACHATE, ABOVEGROUND, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER.
4. TANK (T-104C), LEACHATE, ABOVEGROUND, 5,000 GALLON CAPACITY, 10'-0" DIA. BY 8'-10" HIGH, VENTED TO GAS HEADER.
5. TANK (T-104C), ABOVEGROUND, CROSS LINKED POLYETHYLENE, 13,000 GALLON CAPACITY, 12'-0" DIA. BY 17'-2" HIGH, VENTED TO GAS HEADER, TO BE INSTALLED WHEN NEEDED TO REPLACE T-104C (5000 GALLON).

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6. UP TO FOUR TEMPORARY TANKS, BAKER TYPE.

Conditions:

1. CONSTRUCTION AND 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. CONSTRUCTION SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 6 P.M. AND 7 A.M. OR ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE SCAQMD.
[RULE 402, RULE 1150]
5. CONSTRUCTION SHALL NOT BE CONDUCTED ON DAYS WHEN THE SCAQMD FORECASTS FIRST, SECOND OR THIRD STAGE EPISODES FOR AREA NO. 22, OR WHEN THE SCAQMD REQUIRES COMPANIES IN AREA NO. 22 TO IMPLEMENT THEIR FIRST, SECOND OR THIRD STAGE EPISODE PLANS. EPISODE FORECASTS FOR THE FOLLOWING DAY CAN BE OBTAINED BY CALLING (800) CUT-SMOG.
[RULE 1150]
6. CONSTRUCTION SHALL NOT BE CONDUCTED WHEN THE WIND SPEED IS GREATER THAN 15 M.P.H. AVERAGE (OVER 15 MINUTES) OR THE WIND SPEED INSTANTANEOUSLY EXCEEDS 25 M.P.H.
[RULE 402, RULE 403, RULE 1150]
7. THE CONSTRUCTION OF ANY PIPING OR TRENCH WHICH EXPOSES LANDFILL TRASH TO THE ATMOSPHERE SHALL BE STAGED SUCH THAT NO MORE THAN ONE HUNDRED (100) LINEAR FEET OF TRENCH IS EXPOSED AT ANY TIME PRIOR TO BACKFILLING.
[RULE 402, RULE 1150]
8. TRENCHES AND EXPOSED LANDFILL TRASH SHALL BE COMPLETELY COVERED TO PREVENT ANY EMISSIONS OF LANDFILL GAS TO THE ATMOSPHERE WHENEVER WORK IS NOT ACTIVELY IN PROGRESS. THE COVER SHALL INCLUDE, BUT MAY NOT BE LIMITED TO A MINIMUM OF 6 INCHES OF CLEAN DIRT, APPROVED FOAM, OR HEAVY-DUTY PLASTIC SHEETING. FOAM BY ITSELF SHALL NOT BE USED AS A NIGHT COVER IF IT IS RAINING OR RAIN IS PREDICTED BY THE NATIONAL WEATHER SERVICE PRIOR TO THE NEXT SCHEDULED WORKING DAY.
[RULE 402, RULE 1150]

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9. FOR PURPOSES OF THIS PERMIT, CONSTRUCTION SPOILS ARE LANDFILL TRASH, MATERIAL THAT IS MIXED WITH LANDFILL TRASH, MATERIAL THAT HAS BEEN IN CONTACT WITH LANDFILL TRASH, OR ODOROUS MATERIAL THAT IS REMOVED FROM WELL HOLES OR TRENCHES.
[RULE 1150]
10. CONSTRUCTION SPOILS AND ALL WORKING AREAS BEING ACTIVELY USED FOR TRUCK AND CONSTRUCTION EQUIPMENT TRAFFICKING SHALL BE MAINTAINED IN A MOIST CONDITION TO MINIMIZE DUST AND EMISSIONS.
[RULE 401, RULE 403, RULE 1150]
11. ALL CONSTRUCTION SPOILS SHALL BE TRANSPORTED TO THE ACTIVE WORKING FACE OF THE LANDFILL WITHIN ONE HOUR OF GENERATION OR AS DEEMED NECESSARY BY THE DISTRICT PERSONNEL.
[RULE 402, RULE 1150]
12. DURING TRANSPORT OF THE CONSTRUCTION SPOILS, NO MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE VEHICLE HAULING THE MATERIAL.
[RULE 1150]
13. THE EXTERIOR OF THE VEHICLE (INCLUDING THE TIRES) HAULING THE CONSTRUCTION SPOILS SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORKING SITE.
[RULE 1150]
14. IF A DISTINCT ODOR LEVEL (LEVEL III OR GREATER) RESULTING FROM THE CONSTRUCTION IS DETECTED AT OR BEYOND THE PROPERTY LINE, ALL WORK SHALL CEASE UNTIL THE ODOR SOURCES ARE DETERMINED AND ELIMINATED. ODOR LEVELS SHALL BE DETERMINED BY SCAQMD PERSONNEL OR ON-SITE SAFETY COORDINATOR IN THE ABSENCE OF SCAQMD PERSONNEL.
[RULE 402, RULE 1150]
15. DURING CONSTRUCTION, IF A CONSIDERABLE NUMBER OF COMPLAINTS ARE RECEIVED, ALL WORK SHALL CEASE AND APPROVED MITIGATION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE EMISSIONS CAUSING THE COMPLAINTS ARE MITIGATED AND THE APPROVAL TO RESUME WORK IS RECEIVED FROM THE SCAQMD.
[RULE 402, RULE 1150]
16. MITIGATION MEASURES, OTHER THAN THOSE INDICATED IN THESE CONDITIONS, WHICH ARE DEEMED APPROPRIATE BY SCAQMD PERSONNEL AS NECESSARY TO PROTECT THE COMFORT, REPOSE, HEALTH OR SAFETY OF THE PUBLIC SHALL BE IMPLEMENTED UPON REQUEST.
[RULE 402, RULE 1150]
17. THE SCAQMD SHALL BE NOTIFIED IN WRITING AT LEAST ONE (1) WEEK IN ADVANCE WHEN ADDITIONAL LINES OR PIPING WILL BE INSTALLED. THE PROPOSED LOCATIONS SHALL BE IDENTIFIED ON A DRAWING WHICH SHOWS THE ENTIRE SYSTEM AND SHALL BE DESCRIBED IN WRITING. ESTIMATED PIPE LENGTHS, DIAMETERS AND LAYOUTS SHALL BE SUPPLIED TO THE SCAQMD IN THIS ADVANCE NOTIFICATION.
[RULE 1150.1]

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18. THE PERMITTEE SHALL SUBMIT ANNUAL AS-BUILT DRAWINGS IN DUPLICATE TO THE SCAQMD. AS-BUILT DRAWINGS SHALL DEPICT ALL EQUIPMENT CONSTRUCTED TO DATE.
[RULE 1150.1]
19. ALL CONDENSATE, LEACHATE, AND CONTAMINATED GROUNDWATER/SUBDRAIN WATER COLLECTED SHALL BE PROPERLY DISPOSED OR TREATED.
[RULE 402]
20. ALL PERMANENT TANKS SHALL BE VENTED TO THE LANDFILL GAS COLLECTION SYSTEM.
[RULE 402, RULE 1303(a)(1)-BACT]
21. ALL CONNECTIONS, VALVES AND OPENINGS SHALL BE PROPERLY SEALED OR CLOSED SO AS TO PREVENT RAW LANDFILL GAS AND/OR ORGANIC VAPORS FROM ENTERING INTO THE ATMOSPHERE.
[RULE 402, RULE 1303(a)(1)-BACT]
22. THIS PERMIT TO CONSTRUCT 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. AT LEAST 30 DAYS PRIOR TO THE EXPIRATION DATE OF THE PERMIT TO CONSTRUCT, THE OPERATOR SHALL MAKE A WRITTEN REQUEST FOR AND OBTAIN AN EXTENSION OF TIME TO CONSTRUCT THIS EQUIPMENT ON AN ANNUAL BASIS UNTIL SUCH TIME CONSTRUCTION IS COMPLETED.
[RULE 205]