

FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, FRB

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

This section consists of a table listing all equipment with Permits to Construct and copies of all individual Permits to Construct issued to various equipment at the facility, and Rule 219-exempt equipment subject to source-specific requirements. Each permit 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.

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PERMITTED EQUIPMENT LIST

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

Application No.	Permit to Operate No.	Equipment description	Page No.
492334	Will Supersede F15049/ A/N 339266	Modifications to LFG Collection system	3

NOTE: EQUIPMENT LISTED ABOVE THAT HAVE NO CORRESPONDING PERMITS TO OPERATE NUMBER 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 OC WASTE & RECYCLING, FRB

PERMIT TO CONSTRUCT

Granted as of TBD
A/N 492334

Equipment Description:

MODIFICATIONS TO LANDFILL GAS COLLECTION SYSTEM (F15049) CONSISTING OF:

1. PHASE II COLLECTORS:

FOUR (4) HORIZONTAL COLLECTORS (A-2 THROUGH D-2), WITH ALTERNATING 10 FOOT LENGTHS OF 0'-12" DIA. AND 0'-15" DIA. POLYETHYLENE COATED CORRUGATED STEEL PIPING.

2. PHASE III COLLECTORS:

THIRTY-FIVE (35) HORIZONTAL COLLECTORS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.

3. PHASE IV COLLECTORS:

A. ONE (1) HORIZONTAL COLLECTOR (4-C-1), 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER.

B. THIRTY (30) ADDITIONAL HORIZONTAL COLLECTORS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.

4. PHASE V COLLECTORS:

A. THIRTY-SIX (36) HORIZONTAL COLLECTORS (5B1E, 5B2E, 5BCA1E, 5BCA4E, 5BCA5E, 5BCB4E THROUGH 5BCB7E, 5BCB8, 5BCC1S THROUGH 5BCC9S, 5BCD2S, 5BCD3S, 5BCD5S, 5BCD6S, 5DE1S THROUGH 5DE7S, 5DE6W, 5DE7W, 5DF1 THROUGH 5DF4), 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER.

B. TWENTY-FIVE (25) ADDITIONAL HORIZONTAL COLLECTORS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.

5. PHASE VII COLLECTORS:

A. FIFTY-THREE (53) HORIZONTAL COLLECTORS (7AA1 THROUGH 7AA7, 7AB1 THROUGH 7AB5, 7BA1 THROUGH 7BA4, 7BA1E THROUGH 7BA4E, 7BB1, 7BB3 THROUGH 7BB5, 7BB1E THROUGH 7BB5E, 7BC1 THROUGH 7BC6, 7BD1 THROUGH 7BD4, 7C4 THROUGH 7C6, 7C4N THROUGH 7C6N, 7D1 THROUGH 7D4, 7Z7 - 7Z9, 7Z15), 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER.

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- B. THIRTY (30) ADDITIONAL HORIZONTAL COLLECTORS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.
6. PHASE VIII COLLECTORS:
- THIRTY (30) HORIZONTAL COLLECTORS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.
7. VERTICAL COLLECTION WELLS:
- A. NINETEEN (19) VERTICAL COLLECTION WELLS (VC 55R THROUGH VC 58R; VC 60R; VC 64R; VC 103 THROUGH VC109; VC 120 THROUGH VC 125), 0'-4" DIAM. HDPE PIPING, WITH DEPTHS RANGING FROM 33 FEET TO 151 FEET.
- B. ONE HUNDRED (100) VERTICAL WELLS (VC-126 THROUGH VC-225), 0'-4" DIAM. HDPE PIPING, TO BE INSTALLED AS NEEDED.
- C. SEVENTEEN (17) VERTICAL COLLECTION MIGRATION WELLS (VC-71, VC-72, VC 110 THROUGH VC-118, MC-1 THROUGH MC-6), 0'-4" DIAM. HDPE PIPING, WITH DEPTHS RANGING FROM 21 FEET TO 30 FEET.
- D. TWENTY-FIVE (25) VERTICAL COLLECTION MIGRATION WELLS (MC-7 THROUGH MC-31), 0'-4" DIAM. HDPE PIPING, TO BE INSTALLED AS NEEDED.
8. LATERALS AND HEADERS CONNECTING THE HORIZONTAL AND VERTICAL WELLS AND DIRECTING THE GAS TO A GAS TREATMENT/PROCESSING FACILITY.

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) 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, 1150]

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- 5) CONSTRUCTION SHALL NOT BE CONDUCTED ON DAYS WHEN THE SCAQMD FORECASTS FIRST, SECOND OR THIRD STAGE EPISODES FOR AREA NO. 19, OR WHEN THE SCAQMD REQUIRES COMPANIES IN AREA NO. 19 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 402, 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, 403, 1150]
- 7) 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, 1150]
- 8) TRENCHES, HOLES 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, 1150]
- 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 402, 403, 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, 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]

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- 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, 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 DISTRICT.
[RULE 402, 1150]
- 16) EACH 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 DISTRICT AS SOON AS THE WELL IS INSTALLED.
[RULE 1150, 1150.1]
- 17) EACH WELL HEAD SHALL BE EQUIPPED WITH A SHUT-OFF VALVE AND A SAMPLING PORT.
[RULE 1150.1]
- 18) 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 1150, 1150.1]
- 19) EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING.
[RULE 402, 1150, 1150.1]
- 20) 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 DISTRICT.
[RULE 1150.1, 1303(a)(1)-BACT]
- 21) THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF ANY RAW LANDFILL GAS OR CONDENSATE VAPORS INTO THE ATMOSPHERE.
[RULE 402, 1150.1]
- 22) 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. ESTIMATED GAS COLLECTION VOLUME, WELL DEPTHS, PIPE LENGTHS, DIAMETERS AND LAYOUTS SHALL BE SUPPLIED TO THE SCAQMD IN THIS ADVANCE NOTIFICATION.
[RULE 1150.1]