

FACILITY PERMIT TO OPERATE CHIQUITA CANYON, LLC

PERMIT TO CONSTRUCT/OPERATE

Permit No. TBD
A/N 491445

Equipment Description:

ALTERATION OF A LANDFILL GAS COLLECTION SYSTEM, PERMIT F37351, CONSISTING OF:

1. ONE HUNDRED FORTY (140) VERTICAL GAS COLLECTION WELLS, OF VARYING DEPTH, EACH BORING APPROXIMATELY 3'-0" DIAMETER, WITH 4" TO 6" DIAMETER PERFORATED PIPES.
2. HEADER, APPROXIMATELY 10" TO 24" DIAMETER CONNECTING TO THE FLARE STATION.
3. HORIZONTAL GAS COLLECTION TRENCHES, APPROXIMATELY NINETY-SEVEN THOUSAND SEVEN HUNDRED (97,700) FEET, EACH APPROXIMATELY 2'-0" W. X 4'-6" D. WITH 4", 6", OR 8" DIAMETER PERFORATED PIPES.

BY THE ADDITION OF;

4. ONE HUNDRED TEN (110) VERTICAL GAS COLLECTION WELLS, OF VARYING DEPTH, EACH BORING APPROXIMATELY 3'-0" DIAMETER, WITH 4" TO 6" DIAMETER PERFORATED PIPES.
5. HORIZONTAL GAS COLLECTION TRENCHES, APPROXIMATELY ONE HUNDRED FIFTY TWO THOUSAND THREE HUNDRED (152,300) FEET, EACH APPROXIMATELY 2'-0" W. X 4'-6" D. WITH 4", 6", OR 8" DIAMETER PERFORATED PIPES.
6. EXISTING SOIL VAPOR EXTRACTION WELLS (OUTSIDE OF LANDFILL WASTE DISPOSAL AREA).

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. CHIQUITA CANYON, LLC (CCL) SHALL MAKE A WRITTEN REQUEST FOR AND OBTAIN AN EXTENSION OF TIME TO CONSTRUCT THIS EQUIPMENT ON AN ANNUAL BASIS UNTIL SUCH TIME CONSTRUCTION (LFG COLLECTION SYSTEM EXPANSION) IS COMPLETED AND IS PUT

FACILITY PERMIT TO OPERATE CHIQUITA CANYON, LLC

INTO OPERATION. AT THE TIME OF WRITTEN REQUEST TO CONTINUE MULTI-YEAR CONSTRUCTION, CCL SHALL PROVIDE IN THE WRITTEN REQUEST, VERIFIABLE DATA TO SCAQMD IN ORDER TO SHOW COMPLIANCE WITH THE CONSTRUCTION SCHEDULE AS PROVIDED IN THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT/OPERATE IS GRANTED. IF THERE ARE CHANGES TO THE INCREMENTS OF PROGRESS AND/OR CONSTRUCTION SCHEDULE, THEY WILL NOT BECOME EFFECTIVE UNTIL CCL RECEIVES WRITTEN CONFIRMATION OF SUCH CHANGES FROM SCAQMD.

[RULE 204]

5. SOIL VAPOR EXTRACTION WELLS SHALL ONLY BE USED TO REMEDIATE DISCREET POCKETS OF LANDFILL GAS (LFG) THAT EXIST IN THE SUBSURFACE SOIL OUTSIDE OF THE LANDFILL WASTE DISPOSAL MODULES.
6. VERTICAL WELL DEPTHS SHALL NOT EXCEED 85% OF THE TOTAL REFUSE DEPTH AT THE SAME LOCATION AS THE WELL.
7. VERTICAL WELL SLOTTING SHALL NOT BE LESS THAN 20 FEET BELOW THE LANDFILL SURFACE.
8. HORIZONTAL COLLECTION WELLS SHALL NOT BE SPACED MORE THAN 20 FEET APART HORIZONTALLY AND 50 FEET VERTICALLY IN THE EACH CELL.
9. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 6:00 P.M. AND 7:00 A.M. OR ON SATURDAYS, SUNDAYS OR LEGAL HOLIDAYS, UNLESS OTHERWISE APPROVED BY THE AQMD.
[RULE 1150]
10. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED ON DAYS WHEN THE AQMD FORECASTS SECOND OR THIRD STAGE EPISODES FOR AREA NO. 13, OR WHEN THE AQMD REQUIRES COMPANIES IN AREA NO. 13 TO IMPLEMENT THEIR SECOND OR THIRD STAGE EPISODE PLANS. EPISODE FORECASTS FOR THE FOLLOWING DAY CAN BE OBTAINED BY CALLING (800) 288-7664.
[RULE 1150]
11. DURING TRENCHING, CONTINUOUS MONITORING AND RECORDING OF THE WIND SPEED AND DIRECTION SHALL BE CONDUCTED AT THE WORKING FACE AND AT THE PROPERTY LINE DIRECTLY DOWNWIND OF THE EXCAVATION.
[RULE 1150]
12. WELL DRILLING, DRIVING, AND/OR TRENCHING SHALL NOT BE CONDUCTED ON DAYS 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 1150]

FACILITY PERMIT TO OPERATE CHIQUITA CANYON, LLC

13. CONSTRUCTION SPOILS AND ALL WORKING AREAS ACTIVELY USED FOR TRUCK AND CONSTRUCTION EQUIPMENT TRAFFICKING SHALL BE MAINTAINED IN A MOIST CONDITION TO MINIMIZE DUST AND EMISSIONS.
[RULE 1150]
14. 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 PER EXCAVATION SITE IS EXPOSED AT ANY TIME PRIOR TO BACKFILLING. THE NUMBER OF EXCAVATION SITES SHALL NOT EXCEED TWO, UNLESS OTHERWISE APPROVED BY THE AQMD.
[RULE 1150, 402]
15. FOR PURPOSES OF THIS PERMIT, CONSTRUCTION SPOILS ARE LANDFILL TRASH, MATERIAL THAT IS MIXED WITH OR IN CONTACT WITH LANDFILL TRASH, OR ODOROUS MATERIAL THAT IS REMOVED FROM WELL HOLES OR TRENCHES. THERE SHALL BE NO CONSTRUCTION SPOILS LEFT ON THE LANDFILL SURFACE. ALL CONSTRUCTION SPOILS SHALL BE DEPOSITED AT THE ACTIVE DISPOSAL AREA OR OTHER APPROPRIATE SITE WITHIN ONE HOUR OF GENERATION OR DEEMED NECESSARY BY AQMD PERSONNEL.
[RULE 1150]
16. WHEN LOADING IS COMPLETED AND DURING TRANSPORT OF THE CONSTRUCTION SPOILS, NO MATERIAL SHALL EXTEND ABOVE THE SIDES OR REAR OF THE VEHICLE HAULING THE MATERIAL.
[RULE 1150]
17. THE EXTERIOR OF ALL VEHICLES (INCLUDING THE TIRES) HAULING THE CONSTRUCTION SPOILS SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORK SITE.
[RULE 1150]
18. WELL HOLES, TRENCHES AND EXPOSED LANDFILL TRASH SHALL BE COMPLETELY COVERED TO PREVENT ANY EMISSION 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 IF RAIN IS PREDICTED BY THE NATIONAL WEATHER SERVICE PRIOR TO THE NEXT SCHEDULED WORKING DAY.
[RULE 1150, 1150.1]
19. A SHUT-OFF VALVE AND A SAMPLING PORT SHALL BE INSTALLED AT EACH VERTICAL AND HORIZONTAL WELL CONNECTION TO THE HEADER.
[RULE 1150, 1150.1]
20. UNTIL CONNECTED TO THE OPERATIONAL LANDFILL GAS COLLECTION SYSTEM, ALL VAPOR EXTRACTION PIPES SHALL BE CAPPED AND THEIR GAS CONTROL VALVES CLOSED TO AVOID VENTING LANDFILL GAS TO THE ATMOSPHERE.
[RULE 1150]

FACILITY PERMIT TO OPERATE CHIQUITA CANYON, LLC

21. EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING.
[RULE 1150, 1150.1]
22. 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 AQMD AS SOON AS THE WELL IS INSTALLED.
[RULE 1150, 1150.1]
23. WITHIN 30 DAYS AFTER CONSTRUCTION OF A GROUP OF WELLS AND THEIR ASSOCIATED PIPING IS COMPLETE, AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE AQMD (TOXICS AND WASTE MANAGEMENT).
[RULE 1150]
24. ALL GASES COLLECTED BY THIS SYSTEM SHALL BE VENTED TO A COMBUSTION OR PROCESSING FACILITY WHICH CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED, AND HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE BY THE AQMD.
[RULE 1150.1, 1303(a) (1)-BACT]
25. IF THE ORGANIC VAPOR ANALYZER (OVA) OR OTHER APPROVED ORGANIC MONITOR SHOWS A SUSTAINED (GREATER THAN 3 MINUTES) READING OF 500 PPMV (ABOVE BACKGROUND) OR GREATER AT THE PROPERTY LINE, THE AQMD SHALL BE NOTIFIED, ALL EXCAVATION SHALL CEASE, AND ALL EXPOSED TRENCHES SHALL BE BACKFILLED WITH CLEAN SOIL.
[RULE 1150, 1150.1]
26. IF READINGS OF THE OVA OR OTHER APPROVED ORGANIC MONITOR EXCEED THE FOLLOWING ORGANIC CONCENTRATIONS AT THE WORKING FACE FOR A PERIOD OF 3 MINUTES OR MORE, THE INDICATED ACTIONS SHALL BE IMPLEMENTED:
- | PPMV | REQUIRED ACTION |
|------|---|
| 1000 | NOTIFY THE AQMD
REDUCE THE LENGTH OF EXPOSED TRENCH TO 50 FEET. |
| 2000 | CEASE EXCAVATION ACTIVITIES
BACKFILL THE TRENCH
NOTIFY THE AQMD
RESUME EXCAVATION ACTIVITIES WHEN AIR LEVELS RETURN TO BACKGROUND. |
- [RULE 402, 1150, 1150.1]
27. DURING CONSTRUCTION, IF A CONSIDERABLE NUMBER OF ODOR COMPLAINTS ARE RECEIVED, ALL WORK SHALL CEASE AND THE APPROVED MITIGATION MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. WORK SHALL NOT RESUME UNTIL THE EMISSIONS CAUSING

FACILITY PERMIT TO OPERATE CHIQUITA CANYON, LLC

THE COMPLAINTS ARE MITIGATED AND THE APPROVAL TO RESUME WORK IS RECEIVED FROM THE AQMD.

[RULE 402, 1150]

28. IF A DISTINCT ODOR LEVEL (LEVEL III OR GREATER) RESULTING FROM THE CONSTRUCTION OR BIOREMEDIATION IS DETECTED AT OR BEYOND THE PROPERTY LINE, ALL WORK SHALL CEASE UNTIL THE ODOR SOURCES ARE DETERMINED AN ELIMINATED. ODOR LEVELS SHALL BE DETERMINED BY AQMD PERSONNEL OR AN ON-SITE SAFETY COORDINATOR IN THE ABSENCE OF THE AQMD PERSONNEL.
[RULE 402, 1150]
29. MITIGATION MEASURES, OTHER THAN THOSE INDICATED IN THESE CONDITIONS, WHICH ARE DEEMED APPROPRIATE BY AQMD PERSONNEL AS NECESSARY TO PROTECT THE COMFORT, REPOSE, HEALTH, OR SAFETY OF THE PUBLIC SHALL BE IMPLEMENTED UPON REQUEST.
[RULE 1150]
30. ALL RECORDS SHALL BE MAINTAINED AND KEPT FOR AT LEAST TWO YEARS IN A FORM APPROVED BY THE AQMD AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 3004(a) (4)]

Emissions and Requirements:

31. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
[GASEOUS EMISSIONS: RULE 1150.1, 40CFR60 SUBPART WWW, 40CFR63 SUBPART AAAA]