

## **FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA**

### **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.

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

### 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.
492373	Will Supersede F46965/ A/N 390905	Modifications and Revisions 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, OLINDA

### PERMIT TO CONSTRUCT

Granted as of  
A/N 492373

#### Equipment Description:

MODIFICATIONS TO THE LANDFILL GAS COLLECTION SYSTEM (F46965, INCLUDING AS BUILT REVISIONS) CONSISTING OF:

#### OLINDA ALPHA CANYON (#23):

1. PHASE I COLLECTORS:
  - A. SIX (6) HORIZONTAL COLLECTORS, EACH WITH ALTERNATING 10 FOOT LENGTHS OF 12" DIA. AND 15" DIA. PIPING.
  - B. ONE HORIZONTAL COLLECTOR, WITH ALTERNATING 10 FOOT LENGTHS OF 8" DIA. AND 12" DIA. PIPING.
2. PHASE II COLLECTORS:
  - A. FOUR (4) HORIZONTAL COLLECTORS, EACH WITH ALTERNATING 10 FOOT LENGTHS OF 12" DIA. AND 15" DIA. PIPING.
  - B. FOUR (4) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.
3. PHASE III COLLECTORS:
  - A. EIGHT (8) HORIZONTAL COLLECTORS, EACH WITH ALTERNATING 10 FOOT LENGTHS OF 12" DIA. AND 15" DIA. PIPING.
  - B. FOUR (4) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

4. PHASE IV COLLECTORS:

- A. THIRTEEN (13) HORIZONTAL COLLECTORS, EACH WITH ALTERNATING 10 FOOT LENGTHS OF 12" DIA. AND 15" DIA. PIPING.
- B. SIX (6) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

5. PHASE V COLLECTORS:

- A. THIRTEEN (13) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

**BY THE ADDITION OF:**

- B. *UP TO TEN (10) ADDITIONAL HORIZONTAL COLLECTORS AS NEEDED.*

6. PHASE VI COLLECTORS:

FOURTEEN (14) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

7. PERIMETER COLLECTORS:

- A. TWENTY SEVEN (27) PERIMETER HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

**BY THE ADDITION OF:**

- B. *UP TO FORTY (40) PERIMETER HORIZONTAL COLLECTORS TO BE ADDED AS NEEDED.*

8. VERTICAL COLLECTION WELLS:

- A. SIXTY TWO (62) VERTICAL LANDFILL GAS COLLECTION WELLS, RANGING FROM 40 TO 100 FEET DEEP, EACH WITH 4-INCH TO 6-INCH SLOTTED OR PERFORATED PIPE CASING.

**BY THE ADDITION OF:**

- B. *UP TO SIXTY (60) VERTICAL LANDFILL GAS WELLS TO BE ADDED AS NEEDED.*

**OLINDA CANYON (#20):**

9. PHASE I COLLECTORS:

- A. ONE (1) HORIZONTAL COLLECTOR WITH ALTERNATING 10 FOOT LENGTHS OF 12-INCH AND 15-INCH DIA. PIPING.
- B. FIVE (5) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

10. PHASE II COLLECTORS:

SIX (6) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

**BY THE ADDITION OF:**

11. PHASE III COLLECTORS:

*UP TO FIVE (5) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING TO BE ADDED AS NEEDED.*

12. PHASE IV COLLECTORS:

*UP TO FIVE (5) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING TO BE ADDED AS NEEDED.*

13. PHASE V COLLECTORS:

*UP TO SIX (6) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING TO BE ADDED AS NEEDED.*

14. PHASE VI COLLECTORS:

*UP TO TWELVE (12) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING TO BE ADDED AS NEEDED.*

15. PHASE VII COLLECTORS:

A. THREE (3) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

**BY THE ADDITION OF:**

B. *UP TO TWENTY (20) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING TO BE ADDED AS NEEDED.*

16. PHASE VIII COLLECTORS:

A. THREE (3) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

**BY THE ADDITION OF:**

- B. *UP TO NINETEEN (19) HORIZONTAL COLLECTORS, EACH WITH 8" PERFORATED PIPING TO BE ADDED AS NEEDED.*

17. PHASE IX COLLECTORS:

**BY THE ADDITION OF:**

*UP TO TWENTY TWO (22) HORIZONTAL COLLECTORS, EACH WITH 8" PERFORATED PIPING TO BE ADDED AS NEEDED.*

18. PERIMETER COLLECTORS:

- A. SIX (6) PERIMETER HORIZONTAL COLLECTORS, EACH WITH 4" DIA. PERFORATED PIPING.

**BY THE ADDITION OF:**

- B. *UP TO TWENTY (20) PERIMETER HORIZONTAL COLLECTORS TO BE ADDED AS NEEDED TO BE ADDED AS NEEDED.*

19. VERTICAL COLLECTORS:

- A. THIRTY FIVE (35) VERTICAL LANDFILL GAS COLLECTION WELLS, RANGING FROM 40 TO 100 FEET DEEP, EACH WITH 4-INCH OR 6-INCH DIAMETER SLOTTED OR PERFORATED PIPE CASING.

**BY THE ADDITION OF:**

- B. *UP TO FIFTY (50) VERTICAL LANDFILL GAS WELLS TO BE ADDED AS NEEDED*

**CENTER RIDGE (CR):**

20. PHASE I COLLECTORS:

ONE (1) HORIZONTAL COLLECTOR, WITH 8" DIA. PERFORATED PIPING.

21. PHASE II COLLECTORS:

TWO (2) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

22. PHASE III COLLECTORS:

THREE (3) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

23. PHASE IV COLLECTORS:

- A. SIX (6) HORIZONTAL COLLECTORS, EACH WITH 8" DIA. PERFORATED PIPING.
- B. FIVE (5) VERTICAL LANDFILL GAS COLLECTIONS WELLS, RANGING FROM 40 TO 80 FEET DEEP, EACH WITH 6-INCH DIAMETER SLOTTED OR PERFORATED PIPE CASING

**BY THE ADDITION OF:**

- C. *UP TO TWELVE (12) VERTICAL LANDFILL GAS WELLS, TO BE ADDED AS NEEDED.*
24. LATERALS AND HEADERS, CONNECTING THE HORIZONTAL COLLECTORS AND VERTICAL WELLS AND DIRECTING THE GAS TO A GAS TREATMENT/PROCESSING FACILITY.

**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. OC WASTE & RECYCLING, OLINDA, 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 AND THE EQUIPMENT IS PUT INTO OPERATION. AT LEAST 30 DAYS PRIOR TO THE EXPIRATION DATE OF THE PERMIT TO CONSTRUCT, OC WASTE & RECYCLING, OLINDA, SHALL PROVIDE IN THE WRITTEN REQUEST, VERIFIABLE DATA TO AQMD IN ORDER TO SHOW COMPLIANCE WITH THE CONSTRUCTION SCHEDULE AS PROVIDED IN THE APPLICATION UNDER WHICH THIS PERMIT TO CONSTRUCT IS GRANTED. IF THERE ARE CHANGES TO THE INCREMENTS OF PROGRESS AND/OR CONSTRUCTION SCHEDULE, THEY WILL NOT BECOME EFFECTIVE UNTIL THE FACILITY RECEIVES WRITTEN CONFIRMATION OF SUCH CHANGES FROM AQMD.  
[RULE 204]
5. 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, 1303(a) (1)-BACT]

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

6. DURING VERTICAL WELL DRILLING, AN APPROVED EMISSION CONTROL BOX SHALL BE PLACED OVER THE WELL HOLE TO COLLECT LANDFILL GAS. THE COLLECTED GAS SHALL EITHER BE DIRECTED TO A GAS PROCESSING SYSTEM WHICH IS IN FULL USE, CAN ADEQUATELY PROCESS THE VOLUME OF GAS COLLECTED, AND HAS BEEN ISSUED A VALID PERMIT TO CONSTRUCT OR OPERATE FROM THE SCAQMD.  
[RULE 402, 1150.1]
7. 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 TO PREVENT GAS FROM ESCAPING FROM THE LINE TO THE ATMOSPHERE.  
[RULE 1150, 1150.1]
8. EACH VERTICAL AND HORIZONTAL WELL HEAD SHALL BE EQUIPPED WITH A SHUT-OFF VALVE AND A SAMPLING PORT.  
[RULE 1150.1]
9. 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]
10. EACH WELL SHALL BE SECURELY SEALED TO PREVENT ANY EMISSIONS OF LANDFILL GAS FROM AROUND THE WELL CASING.  
[RULE 402, 1150, 1150.1]
11. 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]
12. CONSTRUCTION SHALL NOT BE CONDUCTED ON DAYS WHEN THE SCAQMD FORECASTS FIRST, SECOND OR THIRD STAGE EPISODES FOR AREA NO. 21, OR WHEN THE SCAQMD REQUIRES COMPANIES IN AREA NO. 21 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]
13. 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]
14. 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]

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

15. 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]
16. 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, 1150]
17. THE CONSTRUCTION OF ANY PIPING OR WELL TRENCH WHICH EXPOSES LANDFILL TRASH TO THE ATMOSPHERE SHALL BE STAGED SO THAT NO MORE THAN ONE HUNDRED (100) LINEAR FEET OF TRENCH SHALL BE EXPOSED AT ANY TIME PRIOR TO BACKFILLING.  
[RULE 402, 1150]
18. EXCAVATED REFUSE MAY BE PLACED ALONG THE TRENCH EDGE UPON REMOVAL FROM THE TRENCH. ALL EXCAVATED REFUSE SHALL BE TRANSFERRED TO THE WORKING FACE WITHIN ONE HOUR OF REMOVAL FROM THE TRENCH, UNLESS OTHERWISE NOTED BELOW.  
[RULE 402, 1150]
19. 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, 1150]
20. THE EXTERIOR OF THE VEHICLE (INCLUDING THE TIRES) HAULING EXCAVATED MATERIAL SHALL BE CLEANED OFF PRIOR TO LEAVING THE WORKING SITE.  
[RULE 1150]
21. ALL CONSTRUCTION SPOILS SHALL BE BURIED AT THE WORKING FACE OF THE LANDFILL BY THE END OF EACH DAY.  
[RULE 402, 1150]
22. THE SCAQMD SHALL BE NOTIFIED IN WRITING AT LEAST ONE 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 DESCRIBES AND 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]

## FACILITY PERMIT TO OPERATE OC WASTE & RECYCLING, OLINDA

23. WITHIN 90 DAYS AFTER CONSTRUCTION OF A GROUP OF WELLS AND THEIR ASSOCIATED PIPING IS COMPLETE, THE PERMITEE SHALL SUBMIT AS-BUILT DRAWINGS SHOWING THE TRENCH LOCATIONS, VERTICAL WELL LOCATIONS, AND LINE SIZES TO THE SCAQMD.  
[RULE 1150.1]
24. THE OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF ANY RAW LANDFILL GAS OR CONDENSATE INTO THE ATMOSPHERE.  
[[RULE 402, 1150.1]
25. 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, 1150]
26. A COPY OF THIS PERMIT SHALL BE KEPT AT THE SITE OFFICE AT ALL TIMES.  
[RULE 206]

### **Emissions and Requirements:**

27. 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