



## FACILITY PERMIT TO OPERATE

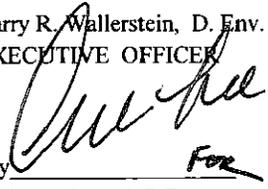
**OC WASTE & RECYCLING, FRB  
11002 BEE CANYON ACCESS RD  
IRVINE, CA 92602**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance



**FACILITY PERMIT TO OPERATE  
OC WASTE & RECYCLING, FRB**

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**FACILITY PERMIT TO OPERATE  
OC WASTE & RECYCLING, FRB**

**SECTION A: FACILITY INFORMATION**

**LEGAL OWNER &/OR OPERATOR:** OC WASTE & RECYCLING, FRB

**LEGAL OPERATOR (if different than owner):**

**EQUIPMENT LOCATION:** 11002 BEE CANYON ACCESS RD  
IRVINE, CA 92602

**MAILING ADDRESS:** 300 N FLOWER ST STE 400  
SANTA ANA, CA 92703-0000

**RESPONSIBLE OFFICIAL:** DYLAN WRIGHT

**TITLE:** INTERIM DIRECTOR

**TELEPHONE NUMBER:** (714) 834-4112

**CONTACT PERSON:** JEFF ARBOUR

**TITLE:** ADMINISTRATIVE MANAGER II

**TELEPHONE NUMBER:** (714) 834-4056

**TITLE V PERMIT ISSUED:** October 06, 2011

**TITLE V PERMIT EXPIRATION DATE:** October 05, 2016

<b>TITLE V</b>	<b>RECLAIM</b>
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<b>YES</b>	<b>NOx:</b>	<b>NO</b>
	<b>SOx:</b>	<b>NO</b>
	<b>CYCLE:</b>	<b>0</b>
	<b>ZONE:</b>	<b>COASTAL</b>



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**FACILITY PERMIT TO OPERATE  
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**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 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. Also included are the rule origin and authority of each emission limit and permit condition.



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

### PERMITTED EQUIPMENT LIST

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

Application Number	Permit to Operate Number	Equipment description	Page Number
219026	D66334	SERV STAT STORAGE & DISPENSING GASOLINE	6
339266	F15049	LANDFILL GAS COLLECTION (>50 WELLS)	8
543222	G24285	FLARE, ENCLOSED LANDFILL/DIGESTER GAS	12
547634	G24853	LANDFILL CONDENSATE/LEACHATE COLLECTION	20

**NOTE:** ANY 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

### 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. THE OPERATOR SHALL NOT USE FUEL OIL CONTAINING SULFUR COMPOUNDS IN EXCESS OF 0.05 PERCENT BY WEIGHT.  
[RULE 431.2]
3. THE OPERATOR SHALL NOT USE LANDFILL GAS CONTAINING SULFUR COMPOUNDS IN EXCESS OF 150 PPMV CALCULATED AS HYDROGEN SULFIDE AVERAGED DAILY.  
[RULE 431.1]
4. THE OWNER/OPERATOR OF A MSW LANDFILL SHALL COMPLY WITH THE FOLLOWING:
  - A. INSTALL AND OPERATE A WIND SPEED AND DIRECTION MONITORING SYSTEM WITH A CONTINUOUS RECORDER. FOR WIND SPEED, USE A 3 CUP ASSEMBLY WITH A RANGE OF 0 TO 50 MILES AN HOUR, WITH A THRESHOLD OF 0.75 MILE PER HOUR OR LESS. FOR WIND DIRECTION, USE A VANE WITH A RANGE OF 0 TO 540 DEGREES AZIMUTH, WITH A THRESHOLD OF PLUS-MINUS 2 DEGREES. AN APPROVED ALTERNATIVE MAY BE USED IN LIEU OF THE ABOVE.  
[RULE 1150.1]
  - B. MONITOR AND COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE SUBSURFACE REFUSE BOUNDARY SAMPLING PROBES.  
[RULE 1150.1]
  - C. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 5% BY VOLUME IN THE SUBSURFACE REFUSE BOUNDARY SAMPLING PROBES.  
[RULE 1150.1]
  - D. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, INTEGRATED SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE LANDFILL SURFACE.  
[RULE 1150.1]



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- E. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 25 PPMV AS DETERMINED BY INTEGRATED SAMPLES TAKEN ON NUMBERED 50,000 SQUARE FOOT LANDFILL GRIDS OR AS PER THE APPROVED 1150.1 ALTERNATIVE  
[RULE 1150.1]
  - F. MONITOR QUARTERLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, THE LANDFILL SURFACE FOR TOC.  
[RULE 1150.1]
  - G. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM TO PREVENT THE CONCENTRATION OF TOC MEASURED AS METHANE FROM EXCEEDING 500 PPMV ABOVE BACKGROUND AS DETERMINED BY INSTANTANEOUS MONITORING AT ANY LOCATION ON THE LANDFILL, EXCEPT AT THE OUTLET OF ANY CONTROL DEVICE.  
[RULE 1150.1]
  - H. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM SO THAT THERE ARE NO LEAKS THAT EXCEED 500 PPMV TOC MEASURED AS METHANE AT ANY COMPONENT UNDER POSITIVE PRESSURE.  
[RULE 1150.1]
  - I. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, LANDFILL GAS SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE MAIN GAS COLLECTION HEADER LINE ENTERING THE GAS TREATMENT AND/OR GAS CONTROL SYSTEM.  
[RULE 1150.1]
  - J. COLLECT MONTHLY, OR AS PER THE APPROVED 1150.1 ALTERNATIVE, AMBIENT AIR SAMPLES FOR ANALYSIS OF TOC AND TAC FROM THE LANDFILL PROPERTY BOUNDARY.  
[RULE 1150.1]
  - K. OPERATE THE GAS COLLECTION AND CONTROL SYSTEM AT ALL TIMES FOR LANDFILLS WITH ACTIVE COLLECTION SYSTEMS.  
[RULE 1150.1]
  - L. OPERATE ALL WELLHEADS SO THE GAUGE PRESSURE IS UNDER A CONSTANT VACUUM, EXCEPT DURING WELL HEAD RAISING AND/OR REPAIR AND TEMPORARY SHUTDOWN DUE TO A CATASTROPHIC EVENT.  
[RULE 1150.1]
5. THE OWNER/OPERATOR OF A MSW LANDFILL SHALL COMPLY WITH THE FOLLOWING:
- A. OPERATE THE COLLECTION SYSTEM SUCH THAT THE GAS IS COLLECTED FROM EACH AREA, CELL OR GROUP OF CELLS OF THE LANDFILL IN WHICH THE INITIAL SOLID WASTE HAS BEEN IN PLACE FOR A PERIOD OF;
    - (1). 5 YEARS OR MORE IF ACTIVE; OR
    - (2). 2 YEARS OR MORE IF CLOSED OR AT FINAL GRADE
  - B. OPERATE THE COLLECTION SYSTEM WITH NEGATIVE PRESSURE AT EACH WELL-HEAD EXCEPT UNDER THE FOLLOWING CONDITIONS:



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- (1). DURING A FIRE OR INCREASED WELL TEMPERATURE – THE OWNER/OPERATOR SHALL RECORD THE INSTANCES WHEN POSITIVE PRESSURE OCCURS IN EFFORTS TO PREVENT A FIRE. THIS REPORT SHALL BE SUBMITTED WITH THE ANNUAL REPORTS AS PROVIDED IN §60.757(f)(1).
  - (2). WHENEVER A GEOMEMBRANE OR SYNTHETIC COVER IS IN PLACE- THE OWNER/OPERATOR SHALL DEVELOP ACCEPTABLE PRESSURE LIMITS IN THE DESIGN PLAN.
  - (3). WHEN A WELL IS DECOMMISSIONED – A WELL MAY EXPERIENCE A STATIC POSITIVE PRESSURE AFTER SHUT DOWN TO ACCOMMODATE FOR DECLINING FLOWS.
- C. OPERATE EACH INTERIOR WELLHEAD IN THE COLLECTION SYSTEM WITH A LANDFILL GAS TEMPERATURE LESS THAN 55 DEGREES C AND WITH EITHER A NITROGEN LEVEL LESS THAN 20% OR AN OXYGEN LEVEL LESS THAN 5% AS DETERMINED BY METHODS DESCRIBED IN §60.753(c).
- D. OPERATE THE COLLECTION SYSTEM SO THAT THE METHANE CONCENTRATION IS LESS THAN 500 PPM ABOVE BACKGROUND AT THE SURFACE OF THE LANDFILL AS DETERMINED IN ACCORDANCE WITH MONITORING PROCEDURES SPECIFIED IN §60.753 AND 60.754.
- E. OPERATE THE COLLECTION SYSTEM SUCH THAT ALL COLLECTED GASES ARE VENTED TO A CONTROL SYSTEM DESIGNED AND OPERATED IN COMPLIANCE WITH §60.752(b)(2)(iii).
- F. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH TEST METHODS AND PROCEDURES OF §60.754
- G. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH COMPLIANCE PROVISIONS OF §60.755
- H. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH MONITORING PROCEDURES OF §60.756
- I. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH REPORTING REQUIREMENTS OF §60.757
- J. OPERATE THE COLLECTION AND CONTROL SYSTEM IN COMPLIANCE WITH RECORD KEEPING REQUIREMENTS OF §60.758

[GASEOUS EMISSIONS: 40CFR60 SUBPART WWW]



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

### PERMIT TO OPERATE

Permit No. D66334  
A/N 219026

#### Equipment Description:

GASOLINE AND DIESEL FUEL STORAGE AND DISPENSING SYSTEM CONSISTING OF:

1. CONVAULT ABOVEGROUND GASOLINE STORAGE TANK, 1,000 GALLON CAPACITY, WITH AN EMCO WHEATON COAXIAL DISPENSING NOZZLE.
2. TWO ABOVEGROUND DIESEL STORAGE TANKS, EACH 10,000 GALLON CAPACITY AND WITH A DISPENSING NOZZLE.

#### 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. A PHASE I VAPOR RECOVERY SYSTEM SHALL BE IN FULL OPERATION WHENEVER THE CONVAULT TANK IS FILLED. THIS SYSTEM SHALL BE INSTALLED, OPERATED AND MAINTAINED TO MEET CARB CERTIFICATION REQUIREMENTS. IN ADDITION GASOLINE SHALL BE TRANSFERRED THROUGH A WET HOSE USING A LIQUID TIGHT CONNECTOR BETWEEN THE WET HOSE VALVE AND THE COAXIAL ELBOW.  
[RULE 461]
4. ALL OPENINGS TO THE ATMOSPHERE ON THE CONVAULT TANK AND THE TANK TRUCK SHALL BE CLOSED DURING A GASOLINE TRANSFER.  
[RULE 461]
5. THE COAXIAL POPPET FILL TUBE SHALL EXTEND TO WITHIN 4" OF THE TANK BOTTOM WHEN THE COAXIAL ELBOW IS IN PLACE AND SHALL MEET CARB CERTIFICATION REQUIREMENT.  
[RULE 461]
6. A CARB CERTIFICATION PRESSURE/VACUUM RELIEF VALVE SHALL BE INSTALLED ON THE CONVAULT TANK VENT STACK AND SHALL BE SET AS SPECIFIED IN CARB ORDER G-70-102A.  
[RULE 461]

#### Periodic Monitoring:

7. THE OPERATOR SHALL HAVE A PERSON THAT HAS BEEN TRAINED IN ACCORDANCE WITH RULE 461(d)(4) AND CONDUCT AN ANNUAL INSPECTION IN ACCORDANCE WITH 461(d)(1)(B) OF THE



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GASOLINE TRANSFER AND DISPENSING EQUIPMENT. THE INSPECTION SHALL BE IN ACCORDANCE WITH RULE 461, ATTACHMENT C. THE OPERATOR SHALL KEEP RECORDS OF THE INSPECTION AND THE REPAIRS IN ACCORDANCE TO RULE 461 AND SECTION K OF THIS PERMIT.  
[RULE 3004 (a)(4)]

**Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
VOC: RULE 461



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

### PERMIT TO OPERATE

Permit No. F15049  
A/N 339266

**Equipment Description: LANDFILL GAS COLLECTION SYSTEM CONSISTING OF:**

1. PHASE I:  
  
THREE (3) HORIZONTAL COLLECTORS (3-A-1, 3-B-1, 3-C-1), WITH ALTERNATING 10 FOOT LENGTHS OF 0'-8" DIA. AND 0'-10" DIA. POLYETHYLENE COATED CORRUGATED STEEL PIPING.
2. PHASE II:
  - A. FOUR (4) HORIZONTAL COLLECTORS (A-2 THROUGH J-2), WITH ALTERNATING 10 FOOT LENGTHS OF 0'-12" DIA. AND 0'-15" DIA. POLYETHYLENE COATED CORRUGATED STEEL PIPING.
  - B. TWENTY-EIGHT (28) VERTICAL COLLECTION WELLS (VC-1 THROUGH VC-28), 0'-4" DIAM. HDPE PIPING, WITH DEPTHS RANGING FROM 20 FEET TO 100 FEET.
3. PHASE III:  
  
SEVEN (7) HORIZONTAL COLLECTORS (3-A-3 THROUGH 3-G-3), WITH ALTERNATING 10 FOOT LENGTHS OF 0'-12" DIA. AND 0'-15" DIA. POLYETHYLENE COATED CORRUGATED STEEL PIPING, WITH LENGTHS RANGING FROM 600 TO 800 FEET.
4. PHASE IV:  
  
TWENTY-SEVEN (27) HORIZONTAL COLLECTORS (4-A-1 THROUGH 4-L-1, 4-A-2 THROUGH 4-D-2, 4-A-3 THROUGH 4-E-3, 4-A-4 THROUGH 4-F-4), 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER.
5. LATERALS AND HEADERS CONNECTING THE HORIZONTAL AND VERTICAL WELLS AND DIRECTING THE GAS TO A GAS TREATMENT/PROCESSING FACILITY.
6. EIGHTY (80) VERTICAL WELLS (VC-29 THROUGH VC-109), 0'-4" DIAM. HDPE PIPING, TO BE INSTALLED AS NEEDED.
7. SEVENTY FIVE (75) HORIZONTAL WELLS, 0'-8" DIAM. HDPE PIPING, PERFORATED WITH FOUR ROWS OF 3/4 INCH DIAMETER HOLES, THREE INCH ON CENTER, TO BE INSTALLED AS NEEDED.

**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]



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- 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]
- 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.



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[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]
- 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]



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- 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]
- 23) WITHIN 90 DAYS AFTER CONSTRUCTION OF A GROUP OF WELLS AND THEIR ASSOCIATED PIPING IS COMPLETE, THE PERMITTEE SHALL SUBMIT AS-BUILT DRAWINGS IN DUPLICATE TO THE DISTRICT.  
[RULE 1150.1]
- 24) 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]
- 25) A COPY OF THIS PERMIT SHALL BE KEPT AT THE SITE OFFICE AT ALL TIMES.  
[RULE 206]

### **Emissions and Requirements:**

- 26) 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 OC WASTE & RECYCLING, FRB

### PERMIT TO OPERATE

Permit No. G24285  
A/N 543222

#### Equipment Description:

LANDFILL GAS FLARING SYSTEM CONSISTING OF:

1. THREE (3) CONDENSATE KNOCKOUT/FILTERS (V-1, V-2, V-3)
2. TWO (2) BLOWERS (B-1, B-2), LAMSON CORP., EACH 50 HP, 1800 SCFM, LOCATED IN PARALLEL
3. TWO (2) BLOWERS (B-3, B-4), HOFFMAN OR EQUAL, EACH 75 HP, 2300 SCFM, LOCATED IN PARALLEL
4. TWO (2) BLOWERS (B-5, B-6), GARDNER DENVER/LAMSON OR EQUAL, MULTISTAGE, CENTRIFUGAL, EACH 75 HP, 2300 SCFM, LOCATED IN PARALLEL
5. FIVE (5) FLOW METERS, WITH RECORDER.
6. FIVE (5) AUTOMATIC LANDFILL GAS SHUT-OFF VALVES.
7. FIVE (5) FLAME ARRESTORS, HORIZONTAL TYPE, LOCATED IN PARALLEL.
8. TWO (2) FLARES (I-1, I-2), PERENNIAL ENERGY, EACH 1700 SCFM, 30'-0" HIGH BY 9'-6" DIAMETER, PROPANE PILOT, AUTOMATIC COMBUSTION AIR CONTROL, UV FLAME SCANNER, FOUR 4" DIAMETER SOURCE TEST PORTS.
9. TWO (2) FLARES (I-3, I-4), PERENNIAL ENERGY, EACH 1700 SCFM, 30'-0" HIGH BY 9'-6" DIAMETER, ELECTRIC IGNITER, AUTOMATIC COMBUSTION AIR CONTROL, UV FLAME SCANNER, FOUR 4" DIAMETER SOURCE TEST PORTS, WITH CONDENSATE INJECTION
10. ONE (1) FLARE (I-5), PERENNIAL ENERGY, 4200 SCFM, 48'-0" HIGH BY 12'-6" DIAMETER, ELECTRONIC IGNITER, AUTOMATIC COMBUSTION AIR CONTROL, UV FLAME SCANNER, CONDENSATE INJECTION SYSTEM, FOUR 4" DIAMETER SOURCE TEST PORTS.
11. TWO (2) TANKS, PROPANE, EACH 10 GALLON CAPACITY.

#### 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]



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

- 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) FOUR (4) SAMPLING PORTS SHALL BE PROVIDED IN EACH FLARE STACK AT LEAST FIVE (5) FEET UPSTREAM OF THE FLARE OUTLET. EACH SAMPLING PORT SHALL CONSIST OF A FOUR-INCH COUPLING WITH PLUG. ALL PORTS SHALL BE PROPERLY CENTERED. AN EQUIVALENT METHOD OF EMISSION SAMPLING MAY BE USED UPON APPROVAL BY THE EXECUTIVE OFFICER. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED.  
[RULE 217]
- 5) A SAMPLING PORT SHALL BE MAINTAINED AT THE INLET GAS LINE TO EACH FLARE TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE.  
[RULE 217, 431.1, 1150.1]
- 6) EACH 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 SECOND DOWNSTREAM OF THE BURNER AND NOT LESS THAN FOUR (4) FEET FROM THE TOP OF THE STACK.  
[RULE 1303(a)(1)-BACT]
- 7) WHENEVER EACH FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGREES F, AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER, SHALL BE MAINTAINED IN THE FLARE STACK.  
[RULE 1303(a)(1)-BACT]
- 8) EACH FLARE SHALL BE EQUIPPED WITH AN AUTOMATIC SHUT-DOWN SYSTEM WITH A FAILURE ALARM, WHICH HAS BEEN APPROVED BY THE EXECUTIVE OFFICER, 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]
- 9) THE AUTOMATIC SHUT-DOWN SAFETY SYSTEM(S) SHALL BE TESTED MONTHLY FOR PROPER OPERATION AND THE RESULTS RECORDED.  
[RULE 1303(a)(1)-BACT]
- 10) A FLOW INDICATING AND RECORDING DEVICE SHALL BE MAINTAINED IN THE LANDFILL GAS SUPPLY LINE TO EACH FLARE TO MEASURE AND RECORD THE QUANTITY OF LANDFILL GAS (IN SCFM) BEING BURNED IN EACH FLARE.  
[RULE 1303(b)(2)-OFFSET]
- 11) THE TOTAL VOLUME OF LANDFILL GAS BURNED IN EACH OF FLARES NO. (I-1), (I-2), (I-3), AND (I-4) SHALL NOT EXCEED 1700 STANDARD CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2)-OFFSET]



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- 12) THE TOTAL VOLUME OF LANDFILL GAS BURNED IN FLARE NO. (I-5) SHALL NOT EXCEED 4200 STANDARD CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2)-OFFSET]
- 13) THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE STATION SHALL NOT EXCEED 11,000 STANDARD CUBIC FEET PER MINUTE.  
[RULE 1303(b)(2)-OFFSET]
- 14) THE TOTAL HEAT INPUT THROUGH EACH OF FLARES NO. (I-1), (I-2), (I-3), AND (I-4) SHALL NOT EXCEED 44.77 MILLION BTU'S PER HOUR.  
[RULE 1303(b)(2)-OFFSET]
- 15) THE TOTAL HEAT INPUT THROUGH FLARE NO. (I-5) SHALL NOT EXCEED 120 MILLION BTU'S PER HOUR.  
[RULE 1303(b)(2)-OFFSET]
- 16) THE TOTAL HEAT INPUT THROUGH THE FLARE STATION SHALL NOT EXCEED 299 MILLION BTU'S PER HOUR.  
[RULE 1303(b)(2)-OFFSET]
- 17) WEEKLY READINGS OF BTU CONTENT OF THE GAS AT THE INLET TO THE FLARE STATION SHALL BE TAKEN USING AN INSTRUMENT APPROVED BY THE SCAQMD. ALL RESULTS SHALL BE RECORDED.  
[RULE 1303(b)(2)-OFFSET]
- 18) A FLOW INDICATING AND RECORDING DEVICE SHALL BE INSTALLED IN THE CONDENSATE LINE(S) TO MEASURE AND RECORD THE CONDENSATE INJECTION RATE INTO EACH OF FLARES (I-3), (I-4) AND (I-5).  
[RULE 1303(b)(2)-OFFSET]
- 19) EXCEPT DURING SOURCE TESTING. CONDENSATE INJECTION INTO A FLARE MAY OCCUR ONLY AFTER SOURCE TESTS SHOW THAT NOX, CO, AND TOTAL PARTICULATE EMISSIONS WILL COMPLY WITH PERMITTED LIMITS WHAT THAT FLARE IS OPERATING WITH CONDENSATE INJECTION.  
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
- 20) THE MAXIMUM VOLUMETRIC RATE OF CONDENSATE INJECTED INTO EACH OF FLARES NO. (I-3) OR (I-4) SHALL NOT EXCEED 3 GALLONS PER MINUTE (GPM) AND 0.077 GALLONS PER MILLION BTUS HEAT INPUT OF LFG.  
[RULE 1303(b)(2)-OFFSET]
- 21) THE MAXIMUM VOLUMETRIC RATE OF CONDENSATE INJECTED INTO FLARE NO. (I-5) SHALL NOT EXCEED 9 GALLONS PER MINUTE (GPM) AND 0.077 GALLONS PER MILLION BTUS HEAT INPUT OF LFG.  
[RULE 1303(b)(2)-OFFSET]
- 22) ALL LANDFILL GAS COLLECTED SHALL BE DIRECTED TO THE FLARE STATION FOR COMBUSTION OR TO 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 1150.1, 1303(a)(1)-BACT]



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- 23) ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.  
[RULE 1303(b)(2)-OFFSET]
- 24) EACH 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, 1303(a)(1)-BACT]
- 25) EACH FLARE SHALL BE DESIGNED AND 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]
- 26) THE MAXIMUM FLARE SKIN TEMPERATURE AT ANY LOCATION SHALL NOT EXCEED 250 DEGREES F.  
[RULE 217]
- 27) OPERATION OF THIS EQUIPMENT SHALL NOT RESULT IN THE RELEASE OF RAW LANDFILL GAS INTO THE ATMOSPHERE. ANY BREAKDOWN OR MALFUNCTION WHICH RESULTS IN EMISSIONS OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD MANAGER OF REFINERY AND WASTE MANAGEMENT PERMITTING TEAM 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, 430, 1150.1]



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- 28) WITHIN 180 DAYS OF THE RECEIPT OF THIS PERMIT, THE APPLICANT SHALL CONDUCT PERFORMANCE TESTS AND SUBMIT WRITTEN RESULTS WITHIN 60 DAYS OF TESTING. WRITTEN NOTICE OF THE PERFORMANCE TESTS SHALL BE PROVIDED TO THE SCAQMD SEVEN (7) 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 SIXTY (60) DAYS PRIOR TO START OF TESTS.

THE TESTS SHALL BE CONDUCTED AT THE TYPICAL OPERATIONAL LANDFILL GAS FLOW RATES, AND SHALL INCLUDE, BUT MAY NOT BE LIMITED TO, A TEST OF THE INLET GAS TO THE FLARE(S) AND THE FLARE EXHAUST(S) FOR:

- A. METHANE
- B. TOTAL NON-METHANE ORGANICS
- C. OXIDES OF NITROGEN (EXHAUST ONLY, WITH AND WITHOUT CONDENSATE INJECTION)
- D. CARBON MONOXIDE (EXHAUST ONLY, WITH AND WITHOUT CONDENSATE INJECTION)
- E. CARBON DIOXIDE
- F. HYDROGEN SULFIDE (INLET ONLY)
- G. RULE 1150.1 TABLE 1 COMPOUNDS
- H. OXYGEN
- I. NITROGEN
- J. MOISTURE CONTENT
- K. TEMPERATURE
- L. FLOW RATE OF LANDFILL GAS (INLET ONLY)
- M. FLOW RATE (EXHAUST)
- N. NMOC DESTRUCTION EFFICIENCY

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



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- 29) THE APPLICANT SHALL CONDUCT ANNUAL SOURCE TESTS AND SUBMIT RESULTS IN ACCORDANCE WITH SCAQMD RULE 1150.1 REQUIREMENTS. WRITTEN NOTICE OF THE TESTS SHALL BE PROVIDED TO THE SCAQMD SEVEN (7) 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 SIXTY (60) DAYS PRIOR TO START OF TESTS.

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(S) AND THE FLARE EXHAUST(S) FOR:

- A. METHANE
- B. TOTAL NON-METHANE ORGANICS
- C. OXIDES OF NITROGEN (EXHAUST ONLY, WITH AND WITHOUT CONDENSATE INJECTION)
- D. CARBON MONOXIDE (EXHAUST ONLY, WITH AND WITHOUT CONDENSATE INJECTION)
- E. TOTAL PARTICULATES (EXHAUST ONLY, WITH AND WITHOUT CONDENSATE INJECTION)
- 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. FLOW RATES (LANDFILL GAS)
- O. NMOC DESTRUCTION EFFICIENCY

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

- 30) EMISSIONS RESULTING FROM EACH OF FLARES (I-1), (I-2), (I-3) AND (I-4) SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS./HOUR
NOX, AS NO2	2.7
SOX, AS SO2	1.3
CO	2.1
PARTICULATES	1.28
NMHC, AS METHANE	0.78

[RULE 1303(b)(2)-OFFSET]



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31) EMISSIONS RESULTING FROM FLARE (I-5) SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS./HOUR
NOX, AS NO2	7.2
SOX, AS SO2	3.2
CO	5.6
PARTICULATES	3.15
NMHC, AS METHANE	1.9

[RULE 1303(b)(2)-OFFSET]

32) TOTAL EMISSIONS RESULTING FROM THE FLARE STATION SHALL NOT EXCEED THE FOLLOWING:

POLLUTANT	LBS./HOUR
NOX, AS NO2	18.0
SOX, AS SO2	8.4
CO	14.1
PARTICULATES	8.25
NMHC, AS METHANE	5.0

[RULE 1303(b)(2)-OFFSET]

33) THE OPERATOR SHALL OPERATE AND MAINTAIN THIS EQUIPMENT ACCORDING TO THE FOLLOWING REQUIREMENTS:

THE TEMPERATURE IN EXHAUST STACK SHALL BE MAINTAINED AT A MINIMUM OF 1,400 DEGREES FAHRENHEIT, AVERAGED OVER A 15- MINUTE PERIOD AND ONE-HOUR AVERAGE SHALL BE COMPUTED FROM DATA POINTS IN EACH ONE-HOUR PERIOD, 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  $\pm 1\%$  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 AQMD OR EPA APPROVED METHOD.

FOR THE PURPOSE OF THIS CONDITION, A DEVIATION SHALL BE DEFINED AS WHEN A TEMPERATURE OF LESS THAN 1,400 DEGREES FAHRENHEIT OCCURS DURING NORMAL OPERATION. 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 1,400 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 AQMD 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 AQMD 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 AQMD WITHIN 90 CALENDAR DAYS AFTER THE DUE DATE FOR THE SEMI-ANNUAL MONITORING REPORT.

THE OPERATOR SHALL INSPECT AND MAINTAIN ALL COMPONENTS OF THIS EQUIPMENT ON AN ANNUAL BASIS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE OPERATOR SHALL KEEP ADEQUATE RECORDS IN A FORMAT THAT IS ACCEPTABLE TO THE AQMD TO DEMONSTRATE COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS SPECIFIED IN THIS CONDITION AND 40 CFR PART 64.9 FOR A MINIMUM OF FIVE YEARS.  
[RULE 3004(A) (4)-PERIODIC MONITORING, 40CFR PART 64]

### Emissions and Requirements:

- 34) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO: 2000 PPM, RULE 407  
0.047 LBS/MMBTU OF INLET GAS, RULE 1303(b)(2)-OFFSET  
NOx: 0.06 LBS/MMBTU OF INLET GAS, RULE 1303(a) (1)-BACT  
PM: 0.1 GR/SCF, RULE 409  
RULE 404, SEE APPENDIX B FOR EMISSION LIMITS  
12.5 LBS/MM CUBIC FEET OF INLET GAS, RULE 1303(b)(2)-OFFSET  
NMOC: 20 PPMV OR 98 WEIGHT PERCENT REDUCTION, RULE 1150.1, 40 CFR 60 SUBPART WWW, AND  
40 CFR 63 SUBPART AAAA



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

### PERMIT TO CONSTRUCT/OPERATE

Permit No. G24853  
A/N 547634

#### Equipment Description:

LANDFILL CONDENSATE/LEACHATE/GROUNDWATER COLLECTION AND STORAGE SYSTEM, CONSISTING OF:

#### CONDENSATE:

1. CONDENSATE TRAP, 48" DIAMETER BY 84" HIGH, POLYETHYLENE PIPE, VENTED TO 21-INCH DIA. HEADER LINE.
2. PUMP, 25 GPM, PUMPING CONDENSATE FROM CONDENSATE TRAP TO CONDENSATE TANK.
3. CONDENSATE TRAP (CPS-1), 18" HDPE PIPE, VENTED TO 18-INCH DIA. HEADER, GRAVITY DRAIN.
4. PUMP, 2 GPM, PUMPING CONDENSATE FROM CONDENSATE TANKS TO LEACHATE TANKS.
5. TANK (C-1), CONDENSATE, ABOVEGROUND, POLYETHYLENE, 12'-0" DIA. BY 14'-4" HIGH, 11,000 GALLON CAPACITY, WITH PRESSURE RELIEF VALVE, WITH VAPOR BALANCE LINE TO TANK C-2.
6. TANK (C-2), CONDENSATE, ABOVEGROUND, POLYETHYLENE, 11'-0" DIA. BY 13'-8" HIGH, 10,500 GALLON CAPACITY, WITH PRESSURE RELIEF VALVE, FLAME ARRESTOR, VENTED TO CARBON DRUM.
7. CARBON ADSORBER, NIXTOX OR EQUIVALENT, CONTAINING 150 POUNDS OF ACTIVATED CHARCOAL, VENTING TANK C-2.
8. ASSOCIATED PIPING TRANSPORTING CONDENSATE/LEACHATE/GROUNDWATER
9. INSTALLATION OF AN ELECTRIC TRANSFER PUMP, DOUBLE WALLED CONDENSATE TRANSFER PIPING FROM THE BOTTOM TANK FARM TO A NEW TANK (C-3).
10. TANK (C-3), CONDENSATE, ABOVEGROUND, LOCATED AT THE FLARE STATION, POLY PROCESSING SAFE-TANK, 5'- 11" DIA. X 2'-10" HIGH, 540 GALLON CAPACITY, AND VENTED TO 55- GALLON CARBON DRUM CONTAINING 200 LBS OF GRANULAR ACTIVATED CARBON.
11. CONDENSATE FEED PIPE FROM TANK (C-3) TO EXISTING PNEUMATIC INJECTOR PUMPS AND ASSOCIATED PIPING TO EXISTING INJECTION LANCE AND NOZZLES ( FLARES NO. 3, 4 & 5).



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### LEACHATE/GROUNDWATER:

1. SIX (6) STORAGE TANKS, CENTRAL CALIFORNIA CONTAINER MFG. INC., MODEL 12 HCT 13K, HDPE, 13000 GALLON CAPACITY.
2. SIX (6) FLAME ARRESTORS, GROTH OR EQUIVALENT, MODEL 7618-02-15-F00, LOCATED AT VENT VALVES.
3. SIX (6) TANK VENT VALVES, GROTH OR EQUIVALENT, MODEL 1220-02-115-TOO.
4. SIX (6) CARBON ADSORBERS, CALGON CARBON OR EQUIVALENT, EACH CONTAINING 200 POUNDS OF ACTIVATED CARBON.

### **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, DESCRIBED UNDER EQUIPMENT DESCRIPTION ITEM NOS. 9, 10 AND 11, IS NOT COMPLETED BY JUNE 18, 2014 UNLESS AN EXTENSION IS GRANTED BY THE EXECUTIVE OFFICER.  
[RULE 205]
5. ALL CONDENSATE AND/OR LEACHATE/GROUNDWATER COLLECTED SHALL BE DISPOSED OF OR TREATED PROPERLY.  
[RULE 402]
6. THE CONDENSATE STORAGE TANK(S) AND THE LEACHATE/GROUNDWATER STORAGE TANK(S) SHALL BE VENTED THROUGH A CARBON AIR FILTER/CANISTER OR CARBON DRUM (TANK C3).  
[RULE 402, 1303(a) (1)-BACT]
7. THE OUTLET(S) OF THE CARBON FILTER(S)/CANISTER(S) SHALL BE TESTED FOR TOTAL ORGANIC COMPOUNDS AS METHANE WITH AN ORGANIC VAPOR ANALYZER (OVA) OR EQUIVALENT AND THE RESULTS RECORDED. THESE TESTS SHALL BE PERFORMED MONTHLY DURING THE FILLING OPERATION OF THE TANK(S).  
[RULE 402]
8. EMISSIONS FROM THE OUTLET OF EACH CARBON CANISTER SHALL NOT, AT ANY TIME, EXCEED 50 PPM TOTAL ORGANIC COMPOUNDS MEASURED AS METHANE.  
[RULE 402, 1303(b) (2)-OFFSET]



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9. ALL CONNECTIONS, VALVES AND OPENINGS SHALL BE PROPERLY SEALED OR CLOSED SO AS TO PREVENT RAW LANDFILL GAS AND/OR CONDENSATE/LEACHATE VAPORS FROM ENTERING INTO THE ATMOSPHERE.  
[RULE 402, 1303(a) (1)-BACT]
  
10. RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.  
[RULE 204]



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

### RULE 219 EQUIPMENT

#### Equipment Description:

RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS.

#### Periodic Monitoring:

1. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

FOR ARCHITECTURAL APPLICATIONS WHERE NO THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN SEMI-ANNUAL RECORDS OF ALL COATINGS CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS SUPPLIED IN GRAMS PER LITER (g/l) OF MATERIALS FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS SUPPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

FOR OTHER ARCHITECTURAL APPLICATIONS WHERE THINNERS, REDUCERS, OR OTHER VOC CONTAINING MATERIALS ARE ADDED, MAINTAIN DAILY RECORDS FOR EACH COATING CONSISTING OF (a) COATING TYPE, (b) VOC CONTENT AS APPLIED IN GRAMS PER LITER (g/l) OF MATERIALS USED FOR LOW-SOLIDS COATINGS, (c) VOC CONTENT AS APPLIED IN g/l OF COATING, LESS WATER AND EXEMPT SOLVENT, FOR OTHER COATING.

[RULE 3004 (a) (4)]

#### Emissions and Requirements:

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

VOC: RULE 1113, SEE APPENDIX B FOR EMISSION LIMITS

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS



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**FACILITY PERMIT TO OPERATE  
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**RULE 219 EQUIPMENT**

**Equipment Description:**

RULE 219 EXEMPT EQUIPMENT, HAND WIPING OPERATIONS.

**Emissions and Requirements:**

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

VOC: RULE 1171, SEE APPENDIX B FOR EMISSION LIMITS