



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

AUTHORITY TO CONSTRUCT

C011691

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: OCTOBER 2024

OWNER OF OPERATOR (Co. #1021)

SBCo Solid Waste Management
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415-0017

EQUIPMENT LOCATION (Fac. #3395)

SBCo Landfills - Various Locations
District Wide
MDAQMD, CA 92392

Description:

LANDFILL GAS CONTROL SYSTEM, PORTABLE GAC consisting of: A Granular Activated Carbon (GAC) system for treatment of Landfill Gas (LFG) in all County of San Bernardino Regional Landfills within the District, including those with a design capacity of more than 2.5 million megagrams. All equipment is skid-mounted.

EQUIPMENT

Capacity	Equipment Description
0	Vertical Landfill Gas (LFG) Vapor Extraction Wells
0	LFG Filter and Knockout Vessel - 1 each - # V-1
7.5	Primary LFG Blower - 1 each - # B-1A, HAUCK Model TBG-24
0	Flow Element - 1 each - # FE-1, LANDTECH Model Accu-Flo
7.5	Secondary LFG Blower - 1 each - # B-1A, HAUCK Model TBG-24
0	GAC Adsorption Vessels - 2 each - # V-2A and V-2B, BAKER FILTRATION Model Kleen-Air 2000S or equivalent, 2000 lbs GAC per Vessel
0	Flame Arrestor - 1 each - # FA-1, ENARDO Model FVFA or Model Series 7

CONDITIONS:

1. The owner/operator, (o/o), shall install, operate and maintain this unit in strict accord with all the information submitted with the application. The application and submittals are incorporated in their entirety into this permit and act as specific limitations on the permit

Fee Schedule: 7 (h) Rating: 1 device SIC: 4953 SCC: 50100431 Location/UTM(Km): 473E/3956N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

SBCo Solid Waste Management
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

unless specifically exempted below.
[District Rule 1302(c)]

2.This system may only operate at landfills that are less than 2.5 million Megagrams and less than 2.5 million cubic meters and not collocated with a Federal Major Facility without first contacting the District for additional restrictions, monitoring, and recordkeeping requirements.

[District Rule 1302(c), District Rule 1310(C), 40 CFR 60 SubPart WWW, 40 CFR 63 SubPart AAAA]

3.The owner/operator (o/o) shall notify the District in writing prior to moving to any new location or when any wells are added, relocated, or removed. As a minimum, the notification shall contain the following:

- a. Estimated start date,
- b. Estimated number of wells,
- c. Estimated finish date,
- d. Location and identification/name of new, relocated, or removed wells,
- e. A Landfill Gas analysis report for the intended site that is no more than 90 days old, and
- f. A Tier 2 Risk Screening Assessment based on the above Landfill Gas analysis report.

[District Rule 1126, District Rule 1302(c)]

4.The o/o shall take the following samples;

A. Initial operation or following the addition of wells, for the first 6 months, on a Weekly schedule:

1. Gas composition and flow rate from each Vertical Soil Vapor Extraction (SVE) Wells
2. Granular activated carbon (GAC) vessels - inlet and outlet - for total Gaseous Non-Methane Organic Compounds (TGNMOC) using a photo ionization detector (PID) calibrated to hexane.

B. Initial operation or following the addition of wells for the first 6 months on a Monthly schedule: Collect a sample in a Tedlar bag and analyze for TGNMOC and SCAQMD core group of Toxic Air Contaminates (TAC) compounds.

C. After first 6 months on a Quarterly schedule: Collect a sample in a Tedlar bag and analyze for TGNMOC and SCAQMD core group of TAC compounds. [District Rule 1126]

5.The o/o shall maintain a log that contain at least the following items:

- A. Dates of measurements and analyses,
- B. Name of operator taking the data,
- C. All flow rates,
- D. Sample analyses, including calibration gas concentrations,
- E. Date any new wells are added or relocated, and
- F. Location and identification/name of new or relocated wells.

The log shall be maintained current, kept for the duration of the project and made available to District personnel on request.

[District Rule 1126]

6.The o/o shall submit to the District semi-annual reports of the measurements of NMOC, flow rates and destruction removal efficiencies. Further the o/o shall submit to the District an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures as allowed by Rule 1126 (note that the APCO may approve alternate record keeping and reporting provisions).

[District Rule 1126]

7.All Heat Input Capacities, tests, results, and Emissions information, including Methane Emissions, shall be submitted electronically to the MDAQMD at reporting@mdaqmd.ca.gov, and the California Air Resources Board (CARB) at:

ARBLMR@arb.ca.gov.

[District Rule 204]

8.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]