
MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Preliminary Determination/Decision - Statement of Basis
for Renewal to

FOP Number: 102103122

For:

**County of San Bernardino Solid
Waste Management Division**

Facility:

Barstow Sanitary Landfill (BSL)

Facility Address:

**32553 Barstow Road
Barstow, California 92311**

Document Date: September 14, 2021

Submittal date to EPA/CARB for review on: 09-14-21

EPA/CARB 45-day Commenting Period ends: 10-29-21

Public Notice Posted on or before: 09-20-21

Public Commenting Period ends: 10-20-21

Permit Issue date: On or about 11-01-21

Permitting Engineer:

Samuel J Oktay, PE

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
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A. Facility Information

Owner/Company Name: County of San Bernardino Solid Waste Management Division

Owner Mailing Address: County of San Bernardino Solid Waste Management Division
222 W. Hospitality Lane, 2nd Floor
San Bernardino, California 92415-0017

Facility Name: Barstow Sanitary Landfill (BSL)

Facility Location: 32553 Barstow Road
Barstow, California 92311

MDAQMD Federal Operating Permit Number: 102103122

MDAQMD Company Number: 1021

MDAQMD Facility Number: 03122

Responsible Official: March Rodabaugh P.E.
Phone Number: 909-386-9017

Facility "Site" Contacts: March Rodabaugh P.E.
Phone Number: 909-386-9017
Fax Number: 909-386-8964

Nature of Business: Sanitary Landfill

SIC Code: 9511 – Sanitary Landfill
NAICS: 562212 - Solid waste landfills, nonhazardous
Facility Location: UTM (Km) 498.37889E/3854.87533N
Lat/Long: 34.83617°/ -117.01773°

B. Introduction

1. Application and Setting

The Federal Clean Air Act Amendments of 1990 established a nation-wide permit to operate program commonly known as "Title V". The Mojave Desert Air Quality Management District (MDAQMD or District) adopted Regulation XII [Rules 1200-1210] and Rule 221 - *Federal Operating Permit Requirement*; [Version in SIP = Current, 40CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217], to implement both the Federal Operating Permit and Acid Rain Permit programs locally and have received Final Program Approval from EPA on March 6, 1996.

The Barstow Sanitary Landfill (BSL) is subject to Title V regulations as part of conformance with the Emission Guidelines (EG) for Municipal Solid Waste (MSW) Landfills, promulgated under 40 Code of Federal Regulations (CFR) Part 60, Subpart Cf - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills. A Federal Operating Permit continues to be a requirement since this Landfill has a design capacity that is greater than 2.5 million megagrams and 2.5 million cubic meters.

Previously, this Landfill was subject to NSPS 40 CFR Part 60 Subpart WWW, however, Subpart WWW is no longer applicable. Subpart WWW was the New Source Performance Standard (NSPS) rule for "new" landfills. That regulation has been replaced by Subpart XXX. For Emission Guidance (EG) landfills, applicable to "existing" landfills, Subpart Cc has been replaced with Subpart Cf. In California, compliance under Subpart Cf is the Federally approved state "Plan", which includes California's Landfill Methane Regulation (LMR), under AB-32, and specific portions of Subpart OOO that weren't covered in the LMR, but are nonetheless required for Federal compliance.

Additionally, this facility was subject to the requirements of District Rule 1126: *The purpose of this Rule is to limit non-methane organic compound (NMOC) emissions from municipal solid waste (MSW) landfills by implementing the provisions of 40 Code of Federal Regulations (CFR) Part 60, Subpart Cc – Emission Guidelines and Compliance Times for MSW Landfills.* 40 CFR 60 Subpart Cc has been superseded by 40 CFR 60 Subpart Cf, therefore Rule 1126 is no longer applicable, and references to the rule have been replaced by current requirements.

Extra Federal Plan 40 CFR 62 Subpart OOO Items for California's Cf Plan are identified in 40 CFR 62 Subpart F - California §62.1115 Identification of sources:

(b) * * *

(2) *The requirements of §§60.34f(c), 60.36f(a)(5), 60.37f(a)(2) and (3), 60.38f(k), and 60.39f(e)(2) and (5) of this chapter are not met since the plan (California's LMR) does not provide for wellhead operational standards, wellhead monitoring, corrective action and recordkeeping related to temperature. Municipal solid waste landfills subject to the plan in §62.1100(b)(7) must also implement the provisions of §§62.16716(c), 62.16720(a)(4), 62.16722(a)(2) and (3), 62.16724(k), and 62.16726(e)(2) and (5).*

On May 21, 2021, EPA published the final MSW Landfills Federal Plan, which implements the 2016 Emission Guidelines (EG Subpart Cf) under 40 CFR Part 62 Subpart OOO. The Federal Plan became effective June 21, 2021, and impacts landfills that have not triggered NSPS Subpart XXX requirements and landfills located in states and Indian country without EPA-approved EG Cf rules. California’s Plan is conditionally approved by also requiring the “Extra” items as referenced above.

C. Equipment Description:

District Permit No.	Equipment Description
C010719	Vertical Extraction Wells - 76 divided between the following:
C010719	Soil Vapor Extraction (SVE) Well
C010719	Landfill Gas (LFG) Well
C010719	Manual Condensate Tanks - 2 each
C010719	Landfill Gas Filter and Knockout Vessel - 1 each -#V-1: Manufactured by: Real Environmental Products, Series 8000 Knockout Vessel with Demister Filter pad (rated at 99.9% removal efficiency on 6 micron or greater particle size), and design flow of 500 scfm LFG, or equivalent. Effective Capacity Range is 0-500 scfm.
C010719	Carbon Adsorption Vessels V-2A/B/C: Manufactured by: Tetra Solv, Model Kleenair- VFV-2000, carbon adsorption vessels, 3 canisters each containing 2000, lbs. of Granular Activated Carbon (GAC) to adsorb the non-methane contaminants in the LFG, design flow rate of up to 500 scfm LFG, or equivalent. Two canisters in series, one as back-up. Effective Capacity Range is 3-500 scfm.
C010719	Blower (B-1A/operating and B-1B/spare): Manufactured by: Gardner-Denver, Type: Multistage centrifugal with cast iron inlet and outlet heads, Model: 4206, Motor: 25 HP premium efficient electric motor, Class 1 Div. 2 inverter Duty with 10:1 turndown, 460 Volt/3 Phase/60 hertz with a Variable Frequency Drive (VFD), or equivalent. An identical Gardner-Denver Blower will be installed as a redundant blower to serve as back-up in the event of primary blower failure.
C010719	Flow Element/Flow Transmitter (FE/FT-1): Manufactured by: Sage; Model Prime, Thermal Mass Flow Meter, 0-500 scfm LFG at 0-100-inches Water Column (W.C.) vacuum, or equivalent.

	Effective Capacity Range is 0-500 scfm.
C010719	Potassium Permanganate (KMN) Vessels V-3A/B: Manufactured by: Tetra Solv, Model VFV-1000, KMN vessels, 2 canisters each containing 1,000 lbs. of KMN media to remove by oxidation the lighter fraction of Non-Methane Non-Ethane Organic Compounds (NMNEOCs) (e.g., vinyl chloride) in the LFG, design flow rate of up to 500 scfm LFG, or equal. One in series, post GAC, and one as back-up. Effective Capacity Range is 0-500 scfm.

BSL is further described as SWIS (Solid Waste Information System) Number 36-AA-0046 and Classified as Active; see: <http://www.calrecycle.ca.gov/SWFacilities/Directory/36-AA-0046/Detail/>; It has a maximum permitted capacity of 80,354,500 Cubic Yards (61.435 Million cubic meters (which is Greater than 2.5 Million cubic meters); facility area of 645 acres and a disposal area of 331 acres. Landfill is permitted to receive 1,500 tons/day of Waste Type: Agricultural, Construction/demolition, Industrial, Mixed municipal, Other designated, Sludge (BioSolids).

Design Capacity of greater than 2.5 million megagrams; has a Waste in Place (WIP) and Heat Input Capacity (HIC) of > 450,000 tons and 0.54 MMBTU/hr respectively; LFG Processed in 2020 = 42,562,725 scf/yr. The 2020 HIC was last provided by Report dated March 4, 2021. Also, during four (4) consecutive quarters in 2020, San Bernardino County Solid Waste Management Division (SWMD) demonstrated that there were no surface methane emissions exceeding 200 ppmv. SWMD will continue to recalculate the heat input capacity annually.

This Landfill is categorized as NOT Controlled pursuant to the California Landfill Methane Regulation as this GCCS utilizes Carbon Adsorption which does not control Methane Gas emissions.

Note: The Landfill is no longer subject to 40 CFR 60 Subpart WWW as this regulation is replaced by New Source Performance Standard (NSPS) 40 CFR 60 Subpart Cf. Deficiencies in California's "PLAN" (California's Landfill Methane Regulation (LMR) pursuant to AB 32) have been identified by the USEPA and incorporated as additional requirements, which include specific portions of Subpart Cf not covered by the California Methane Regulation 17 CCR Sections 95460 - 95476: <https://ww2.arb.ca.gov/sites/default/files/2020-06/landfillfinalfro.pdf>.

Landfill is also Permitted under Federal Operating Permit Number 102103122.

D. Facility and Process Description:

The function of BSL is the disposal of municipal solid waste (MSW). The facility is located at 32553 Barstow Road in Barstow, California. Maximum County Permitted throughput is 1,500 Tons/day, remaining capacity as of December 31, 2014 is 71,481,660 Cubic Yards. The facility's Maximum Permitted Capacity is 80,354,500 Cubic Yards. Total area is 645 Acres with

a Disposal Area of 331 Acres. The facility is Permitted to accept Agricultural, Construction/Demolition, Industrial, Mixed municipal, and, Sludge (Bio-Solid) waste types. It is owned and operated by The County of San Bernardino.

The facility Landfill includes a Gas Extraction System; Landfill Gas is extracted via a piping system including vertical wells installed into the waste and surrounding soil and a header system connecting those wells to a treatment facility. The treatment facility includes two blowers, a condensate knockout vessel, and a flame arrestor permitted under valid District Permit C010719 as described above. Uncollected gas is assumed to vent through the landfill surface.

E. Statement of the Legal and Factual Basis for the Terms of the Proposed Permit Renewal pursuant to 1203(B)(1)(a)(i).

Statutory and Regulatory Authorities: Pursuant to MDAQMD Regulation 12, Program - Federal Operating Permits, a.k.a. Title V (Adopted 7/25/94, Amended 02/22/95, Additional Rules adopted 06/28/95, 7/31/95) and 02/05/96 FR 4217, in accordance with Rule 221 - *Federal Operating Permit Requirement*, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217 of the Clean Air Act of 1990, the Mojave Desert Air Quality Management District issues this permit.

Federal Operating Permit (FOP number: 102103122) for Barstow Sanitary Landfill (BSL), Four digit SIC Code: 9511; Sanitary Landfill.

The *Barstow Sanitary Landfill - Title V Federal Operating Permit*, was developed by using District Permit conditions for existing equipment, including consulting any SIP Rules and NSPS requirements that may be applicable to the facility. MDAQMD Title V Program Rules were also consulted. ALL District permit conditions are included in this Title V Permit in Part III of the permit.

This *Statement of Legal and Factual Basis*, pursuant to Rule 1203(B)(1)(a)(i), is intended to assess the adequacy of the Title V Renewal Application and to explain the District's basis in Renewing the Title V - Federal Operating Permit.

The District's approach to the Title V program is to issue a single Federal Operating Permit for the entire facility that satisfies the federal requirement for a permit under Rule 221 [*NOTE: MDAQMD maintains separate Title V and District permits programs*]. All Federal, State and most District only requirements, associated with the emission of air contaminants, are included in the Federal Operating Permit. All documents, which are not readily available to the public, and are necessary to support the permit, are to be included. The District has taken the approach that the following documents are readily available to the public, and therefore, are not included: *Code of Federal Regulations, California Code of Regulations and Health and Safety Code, District Rules and Regulations [both documents are current and appear in the California State Implementation Plan], all test methods, copies of District Authorities to Construct and Permits to Operate are available at the District's office.*

The District will review and consider all public and EPA comments and modify this "Statement of Basis" document and Title V Permit to address agreed upon concerns before the proposed

Title V Permit is reissued.

F. MODIFICATIONS TO CURRENT FEDERAL OPERATING PERMIT:

GENERAL UPDATES

- General formatting updates to improve the consistency of the Title V permits program.
- Update rule citations throughout the permit. Each rule citation was reformatted for program consistency which includes updating the SIP citations in Part VII. The table sufficiently identifies each rule, the SIP status of the rule and the federal enforceability of each rule.

PART I: INTRODUCTORY INFORMATION

This section of the Federal Operating Permit contains general information about the County of San Bernardino Solid Waste Management Division, Barstow Sanitary Landfill facility, including facility identifying information (section A), a description of the facility (section B), and a description of the facility's equipment (section C).

Changes made to this section of the FOP, include:

- Change in Responsible Official to Mr. Marc Rodabaugh, PE.
- Change in Facility "Site" Contact to Mr. Marc Rodabaugh, PE.
- Minor changes were made to equipment description, including references to NSPS compliance with Subpart Cf, and applicable portions of 40 CFR 62 Subpart OOO, and the deletion of references to Subpart WWW, and District Rule 1126, which is presently superseded.

PART II: FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

This section of the Federal Operating Permit contains requirements applicable to the entire facility and equipment (Section A), facility-wide monitoring, recordkeeping, and reporting requirements (Section B), and facility-wide compliance conditions (Section C).

Changes made to this section of the FOP:

- Part II, Section A. Updated to include rule revisions which occurred since the time of the last renewal.
- Part II, Section A, revised to incorporate changes made to District Rule 442, Usage of Solvents.
- Part II, Section A, revised to incorporate changes made to District Rule 1104, Organic Solvent Degreasing Operations.
- Part II, Section A, revised to incorporate formatting changes referencing District Rule 1113, Architectural Coatings.
- Part II, Section A, revised to incorporate changes made to District Rule 1114, Wood Products Coating Operations.
- Part II, Section A, revised to incorporate changes made to District Rule 1115, Metal Parts & Products Coating Operations.

Part II, Section A, added operating Condition 30 to reflect requirements of District Rule 1168 – Adhesive and Sealant Applications, which was adopted on 4/27/20.

- Changes made to Part II, Section B: Minor Formatting Changes; Hard Dates added for Compliance Certification, and semi-annual Monitoring reports' submittals.
- Changes made to Part II, Section C: Minor Formatting Changes.

PART III: EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS; EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING, REPORTING AND TESTING REQUIREMENTS; COMPLIANCE CONDITIONS; COMPLIANCE PLANS

Changes made to Part III, Section A.

Minor Equipment changes were incorporated into the Equipment Description section; Landfill compliance with 40 CFR 60 Subpart Cf , and portions of 40 CFR 62 Subpart OOO were added; references to Subpart WWW and District Rule 1126 were clarified as being outdated.

Permit conditions were updated and revised as required for compliance with the new NSPS, 40 CFR 60 Subpart Cf , and portions of 40 CFR 62 Subpart OOO.

PART IV: STANDARD FEDERAL OPERATING PERMIT CONDITIONS

This section of the Federal Operating Permit contains standard federal operating permit conditions. Changes made to this section of the FOP: Minor formatting changes for consistency with similar Title V Permits.

PART V: OPERATIONAL FLEXIBILITY

Changes made to this section of the FOP:
Section B, Off Permit Changes has been updated for consistency with similar Title V Permits.

PART VI: CONVENTIONS, ABBREVIATIONS, DEFINITIONS, MDAQMD APPLICABLE SIP

This section of the Federal Operating Permit contains information on conventions, abbreviations and definitions: Minor formatting changes for consistency with similar Title V Permits.

PART VII: DISTRICT SIP HISTORY AND CITATIONS

This section of the Federal Operating Permit contains a SIP table of all applicable District Rules and Historical Summary.

Changes have been made to this section of the FOP: SIP Table format changes made for consistency with similar Title V Permits.

G. Rule Applicability:

District Rules

Rule 201/203 – *Permits to Construct/Permit to Operate*. Any equipment which may cause the issuance of air contaminants must obtain authorization for such construction from the Air Pollution Control Officer. There has not been any recent activity at the Barstow Sanitary Landfill that would require new Permits. Their existing District Permit remains active and is being revised to include the requirements of 40 CFR 60 Subpart Cf and portions of 40 CFR 62 Subpart OOO as previously discussed.

Rule 204 – *Permit Conditions*. To assure compliance with all applicable regulations, the Air Pollution Control Officer (Executive Director) may impose written conditions on any permit. Barstow Sanitary Landfill complies with all applicable regulations per Part II of their FOP.

Rule 206 – *Posting of Permit to Operate*. Equipment shall not operate unless the entire permit is affixed upon the equipment or kept at a location for which it is issued and will be made available to the District upon request. Barstow Sanitary Landfill complies with this regulation per Part II of their FOP.

Rule 207 – *Altering or Falsifying of Permit*. A person shall not willfully deface, alter, forge, or falsify any issued permit. Barstow Sanitary Landfill complies with this regulation per Part II of their FOP.

Rule 209 – *Transfer and Voiding of Permits*. Barstow Sanitary Landfill shall not transfer, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another. When equipment which has been granted a permit is altered, changes location, or no longer will be operated, the permit shall become void. Barstow Sanitary Landfill complies with this regulation per Part II their FOP.

Rule 217 – *Provisions for Sampling and Testing Facilities*. This rule stipulates that the APCO may require the applicant to provide and maintain requirements for sampling and testing. In the event that facilities, be equipped to accommodate testing, the APCO shall notify the Owner/Operator in writing of the required size, number and location of sampling ports; the size and location of the sampling platform; the access to the sampling platform, and the utilities for operating the sampling and testing equipment. Barstow Sanitary Landfill is in compliance with this rule per Part II of their FOP.

Rule 219 – *Equipment not Requiring a Permit*. This rule exempts certain equipment from District Permit. Barstow Sanitary Landfill is in compliance with this rule per Part II.

Rule 221 – *Federal Operating Permit Requirement*. Barstow Sanitary Landfill is in compliance with this rule, as they currently hold and maintain a Federal Operating Permit.

Rule 301/312 – *Permit Fees/Fees for Federal Operating Permits*. Barstow Sanitary Landfill annual permit fees are current; payments of applicable amounts have been received by the District.

Rule 401 – *Visible Emissions*. This rule limits visible emissions opacity to less than 20 percent (or Ringlemann No. 1). In normal operating mode, visible emissions are not expected to exceed 20 percent opacity. Barstow Sanitary Landfill is in compliance with this rule per Part II.

Rule 403 – *Fugitive Dust*. This rule prohibits fugitive dust beyond the property line of any emission source. Barstow Sanitary Landfill is in compliance with this rule per Part II.

Rule 404 – *Particulate Matter Concentration*. Barstow Sanitary Landfill shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in Rule 404, Table 404 (a).

- (a) Where the volume discharged is between figures listed in the table the exact concentration permitted to be discharged shall be determined by linear interpolation.
- (b) This condition shall not apply to emissions resulting from the combustion of liquid or gaseous fuels in steam generators or gas turbines.
- (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

Barstow Sanitary Landfill is in compliance with this rule per Part II of their FOP.

Rule 405 – *Solid Particulate Matter, Weight*. Barstow Sanitary Landfill shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in Rule 405, Table 405(a):

- (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
- (b) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.

Barstow Sanitary Landfill is in compliance with this rule per Part II of their FOP.

Rule 406 – *Specific Contaminants*. This rule limits single source of emissions of sulfur compounds. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 407 – *Liquid and Gaseous Air Contaminants*. This rule limits CO emissions from facilities. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 408 – *Circumvention*. This rule prohibits hidden or secondary rule violations. The proposed renewal as described is not expected to violate Rule 408. Barstow Sanitary Landfill meets this requirement by complying with operating conditions listed in Part II, of their FOP.

Rule 409 – *Combustion Contaminants*. This rule limits the emissions of combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 430 – *Breakdown Provisions*. Any Breakdown which results in a violation to any rule or regulation as defined by Rule 430 shall be properly addressed pursuant to this rule. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 442 – *Usage of Solvents*. This rule reduces VOC emissions from VOC containing materials or equipment that is not subject to any other rule in Regulation XI. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 900 – *Standards of Performance for New Stationary Sources (NSPS)*. Rule 900 adopts all applicable provisions regarding standards of performance for new stationary sources as set forth in 40 CFR 60. Barstow Sanitary Landfill will meet the requirements of 40 CFR Subpart Cf - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills.

Rule 1104 – *Organic Solvent Degreasing Operations*. This recently revised rule limits the emission of VOCs from wipe cleaning and degreasing operations using organic solvents. 40 CFR Subpart Cf - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 1113 – *Architectural Coatings*. This rule limits the quantity of VOC in Architectural Coatings. Barstow Sanitary Landfill meets this requirement by complying with operating conditions listed in Part II, of their FOP.

Rule 1114– *Wood Products Coatings*. This recently revised rule limits the quantity of VOC in Wood Coatings. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 1115 – *Metal Parts and Products Coatings*. This recently revised rule limits the emission of VOC from coatings associated with Metal Parts and Products. Barstow Sanitary Landfill meets this requirement by complying with operating condition listed in Part II, of their FOP.

Rule 1126 – *Municipal Solid Waste Landfills*. Facility was previously subject to the requirements of District Rule 1126: *The purpose of this Rule is to limit non-methane organic compound (NMOC) emissions from municipal solid waste (MSW) landfills by implementing the provisions of 40 Code of Federal Regulations (CFR) Part 60, Subpart Cc – Emission Guidelines and Compliance Times for MSW Landfills*. 40 CFR 60 Subpart Cc has been superseded by 40 CFR 60 Subpart Cf, therefore Rule 1126 is no longer applicable, and references to the rule have been replaced by current requirements.

Regulation X – *Emission Standards for Additional Specific Air Contaminants*. Pursuant to Regulation X, Barstow Sanitary Landfill is required to comply with all applicable ATCMs, MACTs and NESHAPS, including 40 CFR Part 63 - Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills

Regulation XII – *Federal Operating Permits*. This regulation contains requirements for sources which must have a FOP. Barstow Sanitary Landfill currently has a FOP and is expected to comply with all applicable rules and regulations.

Rule 1201 – *Federal Operating Permit Definitions*. Barstow Sanitary Landfill is defined as a Federal Facility requiring a FOP as a result of exceeding applicable waste and emission thresholds pursuant to 40 CFR 60 Subpart Cf and portions of 40 CFR 62 Subpart OOO.

Rule 1203 – *Federal Operating Permits*. This rule outlines the permit term, issuance, restrictions, content, operational flexibility, compliance certification, permit shield, and violations of Federal Operating Permits. Barstow Sanitary Landfill meets these requirements by complying with operating conditions listed in Part II, of their FOP.

Rule 1205 – *Modifications of Federal Operating Permits*. The action to renew Barstow Sanitary Landfill’s FOP does not constitute a FOP modification.

Rule 1206 – *Reopening, Reissuance and Termination of Federal Operating Permits*. Title V Renewal does require a Reopening, and Reissuance of the Barstow Sanitary Landfill FOP; therefore, this action is subject to this Rule.

Rule 1207 – *Notice and Comment*. This rule outlines the noticing requirements for Notice and Comment. The Title V Renewal for the Barstow Sanitary Landfill has or will be properly notice(d) pursuant to this rule.

Rule 1208 – *Certification*. Barstow Sanitary Landfill included a Certification of Responsible Official as required with the submitted applications.

Rule 1211 – *Greenhouse Gas Provisions of Federal Operating Permits*. Barstow Sanitary Landfill is not a Major GHG Facility pursuant to Rule 1211; the facility has been and will remain in compliance with the requirements pertaining to this regulation.

Regulation XIII – *New Source Review*. This regulation sets forth requirements for the preconstruction review of all new or modified facilities. Barstow Sanitary Landfill is not undergoing a facility “Modification” at this time.

Federal Regulations:

40 CFR 64, *Compliance Assurance Monitoring*. The Compliance Assurance Monitoring (CAM) rule (40 CFR 64) applies to each Pollutant Specific Emissions Unit (PSEU) when it is located at a Major Facility that is required to obtain Title V, Part 70 or 71 permit and it meets all of the

following criteria. "PSEU" means an emissions unit considered separately with respect to each regulated air pollutant.

The PSEU must:

- a. Be subject to an emission limitation or standard [40 CFR 64; AND,
- b. Use a control device to achieve compliance [40 CFR 64.2(a)(2)]; AND,
- c. Have the potential pre-control emissions that exceed or are equivalent to the major source threshold. [40 CFR 64.2(a)(3)]

CAM does NOT apply to any of the equipment at the Barstow Sanitary Landfill as the facility is not a Major source for emissions, but is required to have a Title V permit pursuant to 40 CFR 60 Subpart Cf and portions of 40 CFR 62 Subpart OOO.

I. Conclusions and Recommendations:

The District has reviewed the application for the renewal of the Federal Operating Permit, and it is determined that the renewal Title V permit shall be in compliance with all applicable District, state, and federal rules and regulations as proposed, and when operated in the terms of the permit conditions given herein. The proposed permit and corresponding statement of legal and factual basis has been, or will be, publicly noticed pursuant to District Rule 1207. To view the public notice please refer to Appendix A of this document.

I. Public Comment and Notifications:

1. Public Comment

This preliminary determination will be publicly noticed for the 30-Day Public Commenting Period.

Noticing Methods include the following, per District Rule 1207 (A)(1)(a) and District Rule 1302(D)(2) and (3):

- Published in newspapers of general circulation - Press Enterprise and the Daily Press.
- Mailed and/or emailed to MDAQMD contact list of persons requesting notice of actions (see the contact list following the Public Notice in Appendix B).
- Posted on the MDAQMD Website at the following link:
<http://www.mdaqmd.ca.gov/permitting/public-notices-advisories/public-notices-permitting-regulated-industry>

Please refer to the cover page for noticing dates.

2. Notifications

The preliminary determination was submitted via e-mail to EPA and CARB pursuant to District Rule 1207 for a forty-five (45) day review period. The final modified FOP shall be issued soon thereafter. All correspondence as required by District Rules 1302 and 1207 were forwarded electronically to the following recipients;

Please refer to the cover page for noticing dates.

Director, Office of Air Division
United States EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Via EPA's Portal: <https://cdx.epa.gov/>

Chief, Stationary Source Division
California Air Resources Board
P.O. Box 2815
Sacramento, CA 95812
Via e-mail at: Permits@arb.ca.gov

County of San Bernardino Solid Waste Management Division
222 W. Hospitality Lane, 2nd Floor
San Bernardino, California 92415-0017
Attention: Marc Rodabaugh, PE
Via e-mail at: Marc.Rodabaugh@dpw.sbcounty.gov

DRAFT

APPENDIX A Public Notice
NOTICE OF TITLE V PERMIT RENEWAL

NOTICE IS HEREBY GIVEN THAT the County of San Bernardino Solid Waste Management Division, owners of the Barstow Sanitary Landfill (BSL), located at 32553 Barstow Road, Barstow, California 92311, has applied for renewal of their Federal Operating Permit (FOP) pursuant to the provisions of MDAQMD Regulation XII. Applicant operates a facility engaged in Municipal Waste disposal and operates an associated Landfill Gas Collection and Control System. Applicant is required to obtain the renewal of their FOP because the Facility triggers applicability thresholds of: 40 CFR 60 Subpart Cf, portions of 40 CFR 62 Subpart OOO, MACT Standard 40 CFR 63 Subpart AAAA, and the California Landfill Methane Regulation (LMR). The primary function of the BSL is the disposal of municipal solid waste (MSW). The landfill has been in operation since 1963, has a maximum County Permitted throughput of 1,500 Tons/day, and maximum Permitted Capacity of 80,354,500 Cubic Yards. Total area is 645 Acres with a Disposal Area of 331 Acres. The facility is Permitted to accept Agricultural, Construction/Demolition, Industrial, Mixed municipal, and, Sludge (Bio-Solid), waste types.

REQUEST FOR COMMENTS: Interested persons are invited to submit written comments and/or other documents regarding the terms and conditions of the proposed renewal of the Barstow Sanitary Landfill's Federal Operating Permit. If you submit written comments, you may also request a public hearing on the proposed issuance of the Federal Operating Permit. To be considered, comments, documents and requests for public hearing must be submitted no later than 5:00 P.M. on October 20, 2021, to the MDAQMD, Attention: Samuel J Oktay, PE at the address listed below.

PETITION FOR REVIEW: Federal Operating Permits are also subject to review and approval by the United States Environmental Protection Agency (USEPA). If the USEPA finds no objection to the proposed permit renewal, the final permit will be issued. In the event of public objection to the issuance of a specific permit, a Title V petition may be submitted to the USEPA Administrator electronically through the Central Data Exchange at: <https://cdx.epa.gov/>. In order to file a Title V petition, issues must be raised with reasonable specificity during the public comment period, and filed within 60 days of the close of the USEPA review period.

AVAILABILITY OF DOCUMENTS: The proposed Federal Operating Permit, as well as the application and other supporting documentation are available for review at the MDAQMD offices, 14306 Park Avenue, Victorville, CA 92392. In addition, these documents are available on the MDAQMD website and can be viewed at following link: <https://www.mdaqmd.ca.gov/permitting/public-notices-advisories/public-notices-permitting-regulated-industry>. Please contact Samuel J Oktay, PE, Air Quality Engineer, at the address, above, or (760) 245-1661, extension 1610, or at soktay@mdaqmd.ca.gov for additional questions pertaining to this action and/or corresponding documents.

Traducción en español esta disponible por solicitud. Por favor llame: (760) 245-1661

SHERI HAGGARD
Permit Engineering Manager
Mojave Desert Air Quality Management District
14306 Park Avenue, Victorville, CA 92392

APPENDIX B, MDAQMD contact list of persons requesting notice of actions:

Mr. Larry Trowsdale mchsi 951 E Skylark Ave Ridgecrest, CA 93555	Ms. Janet Laurain Adams Broadwell Joseph & Cardozo 601 Gateway Blvd., St. 1000 South San Francisco, CA 94080-7037	Mr. Ramon Campos Environmental Compliance Manager, Blythe 385 N Buck Blvd Blythe, CA 92225
Chief, Planning Division California Air Resources Board P.O. Box 2815 Sacramento, CA 95812	Ms. Desirea Haggard Environmental Manager, CalPortland-Oro 2025 E Financial Way Glendora, CA 91741	City Manager City of Barstow 220 East Mountain View, Suite A Barstow, CA 92311
Mr. Mike Sword Planning Div Mgr, Clark Co Dept of Air Q and 4701 Russell Road, Suite 200 Las Vegas, NV 89118	Mr. Michael Olokode Air Program Manager, N45NCW, NAWS 429 E Bowen Rd, Stop 4014 China Lake, CA 93555-6108	Mr. Pedro Dumaua HS&E Manager, Ducommun Aerostructures 4001 El Mirage Road Adelanto, CA 92301
Environmental Manager Duffield Marine, Inc. 17260 Muskrat Avenue Adelanto, CA 92301	Mr. Randy Lack Chief Marketing Officer, Element Markets, 3200 Southwest Freeway, Suite 310 Houston, TX 77027	Ms. Christine Grandstaff Evolution Markets 27801 Golden Ridge Lane San Juan Capistrano, CA 92675
Mr. Jon Boyer High Desert Power Project LLC 19000 Perimeter Rd Victorville, CA 92394	Mr. Glen King Environmental Manager, Luz Solar Partners 43880 Harper Lake Road Harper Lake, CA 92347	Mr. Mike Plessie HQBN B CO, NREA MCAGCC Box 788110 Twentynine Palms, CA 92278-8110
Ms. Carol Kaufman Metropolitan Water District 700 N Alameda Street, 8th Floor, Rm 106 Los Angeles, CA 90012	Mr. David Rib Environmental Manager, Mitsubishi Cement 5808 State Highway 18 Lucerne Valley, CA 92356-9891	Environmental Manager Mobile Pipe Lining & Coating, Inc 12766 Violet Road Adelanto, CA 92301
Mr. John F. Espinoza Principal Advisor, MP Materials HC1 Box 224, 67750 Bailey Road Mountain Pass, CA 92366	Mr. Mark Solheid Senior EHS Analyst, NASA/Goldstone DSCC 93 Goldstone Road Fort Irwin, CA 92310	Mr. Don Shepherd National Park Service, Air Resources Div 12795 W Alameda Pkwy Lakewood, CO 80228
Chief, Bureau of Air Quality NDCNR, Env Prot Div (Air) 901 South Stewart St, Suite 4001 Carson City, NV 89701-5249	Mr. Dan Madden Plant Manager, Northwest Pipe Co. 12351 Rancho Road Adelanto, CA 92301	Mr. Kou Thao Environmental Scientist, PG&E P.O. Box 7640 San Francisco, CA 94120
Mr. Steve Smith SB County Transportation Authority 1170 W. Third Street, Second Floor San Bernardino, CA 92410	Mr. Anoop Sukumaran Environmental Engineer, Searles Valley P.O. Box 387 Trona, CA 93592-0367	Ms. Karin Fickerson Air Quality Team Lead, SoCalGas 1650 Mountain View Avenue Oxnard, CA 93030
Environmental Contact Specialty Minerals Inc. P.O. Box 558 Lucerne Valley, CA 92356-0558	Director, Air Division (Attn: AIR-3) United States EPA, Region IX 75 Hawthorne Street San Francisco, CA 94105	Ms. Anne McQueen Senior Engineer, Yorke Engineering, LLC 31726 Rancho Viejo Road, Suite 218 San Juan Capistrano, CA 92675

Preliminary Determination/Decision - Statement of Basis
Barstow Sanitary Landfill; 09-14-21

Mr. Barry Young
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El Dorado County AQMD
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Ms. Mary Giraudo
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Monterey, CA 93940

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Mr. Mitch Haimov
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Mr. Matt Dessert
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105 S. 9th Street
El Centro, CA 92243

Mr. Phill Kiddoo
APCO, Great Basin Unified APCD
157 Short Street, Suite 6
Bishop, CA 93514-3537

Mr. Glen Stephens, PE
Air Pollution Control Officer, Eastern Kern
2700 "M" Street, Suite 302
Bakersfield, CA 93301

Mr. Ted Lendis
Permitting Manager, Clark County DEQ,
500 S. Grand Central Pkwy
Las Vegas, NV 89155

Mr. Daniel Czecholinski
Director of Air Quality, Arizona DEQ - ADEQ
1110 W. Washington St.
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DRY