PETITION FOR VARIANCE
BEFORE THE HEARING BOARD OF THE
BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PETITIONER

Name: Waste Management of Alameda County – Tri-Cities Landfill

Check One: ___Sole Proprietor ___Partnership _X_Corporation

___Government ___Non-Profit (specify)_____

Mailing Address: 2615 Davis Street, San Leandro, CA 94577-4577

Phone number: See below

Email Address: See below

Name, title, and phone number of person(s) authorized to receive notices (no more than two):

Tim Miller, Senior Counsel (WM - Environmental, Health and Safety), 832-707-1466, tmille32@wm.com

Malcolm Weiss, Attorney (Hunton Andrews Kurth LLP, Partner), 213-532-2130, mweiss@hunton.com

1. Briefly describe the type of business or organization/agency activity:

   The Tri-Cities Landfill (Facility ID 2246) (Facility) is an inactive essential public service Class II/III landfill that received non-hazardous municipal solid waste (MSW), green waste, and certain designated wastes between 1968 and 2013. In 2013, the Facility submitted a closure notification and put a final cap in place, with closure activities completed in early 2014. The Facility encompasses about 225 acres, with 115 acres permitted for MSW disposal. The Facility is located at 7010 Auto Mall Parkway, Fremont, CA 94538.

2. Are you a Small Business as defined in Health and Safety Code Section 42352.5(b)?

   ___Yes _X_No

3. Are you a public agency providing an "essential public service" as defined in Health and Safety Code Section 42352?

   ___Yes _X_No *

   * While Petitioner is not a public agency, it provides an "essential public service" within the meaning of HSC § 42352(a)(2), as the Facility includes a "landfill gas control or processing facility."

VARIANCE REQUEST

4. Type of Variance Requested:

If you are selecting Interim Variance, you must also select a Short or Regular Variance to follow.

___Interim _X_Short ___ Regular ___Emergency ___Product ___Group

5. Good Cause: (Required only for Emergency and Interim Variances Explain why this Petition was not filed in sufficient time to issue the required public notice.)

N/A

OPERATION

6. Briefly describe the type of equipment or process that is the subject of this variance petition, and why it is necessary to your operation. Attach copies of the Permit(s) to Construct and/or Permit(s) to Operate for the subject equipment. For Title V facilities, attach only the relevant sections of the Facility Permit showing the equipment or process and conditions that are subject to this Petition. You must bring the entire Facility Permit to the hearing:

The Facility is equipped with a landfill gas collection system (S-1) (GCS) and an enclosed flare (A-3) (Flare) used to abate landfill gas (LFG) collected by the GCS. A copy of the Facility's Permit to Operate (PTO) is provided as **Attachment A**.

The GCS is comprised of vertical and horizontal wells, piping, blowers, and related equipment that collect LFG generated by the waste decomposition process and route it to the Flare for combustion. The Flare is used to control methane, organic compounds, and other LFG constituents.

REGULATORY REQUIREMENTS

7. List all District Regulations, rules, and permit conditions that are the subject of this variance request. Identify all applicable subsections:

Rule/Permit Condition	Explanation
PTO Condition 4; 17 CCR § 95464(b)(1)(A) (Landfill Methane Rule (LMR))	Requires that portions of the GCS be operated continuously. Prohibits wells from being disconnected or removed from operation, and isolation or adjustment valves from being closed, without written authorization from the District, unless the owner/operator complies with all applicable requirements of specified exemptions in Regulation 8, Rule 34, including Section 113.

Rule/Permit Condition	Explanation
PTO Condition 5; 17 CCR § 95464(b)(2)(A)	Requires that all LFG collected by the GCS be abated at all times by the Flare. Prohibits the venting of raw LFG to the atmosphere, but specifies that this limitation does not apply to unavoidable LFG emissions that occur during collection system installation, maintenance, or repair performed in compliance with specified exemptions in Regulation 8, Rule 34, including Section 113.
Rule 8-34-301; 17 CCR § 95464(b)(1)(B)	Requires landfill operators to collect and process LFG through a GCS in the manner specified—including that the GCS must be continuously operated, component leaks may not exceed 500 ppm (LMR) / 1,000 ppm (Rule 8-34-301.2) by volume measured as methane (with the exception of operator-discovered leaks recorded in accordance with Section 8-34-501, and repaired within 7 days), and all collected gases must be processed in an enclosed ground type flare meeting certain specifications—except as provided in specified exemptions in Regulation 8, Rule 34, including Section 113.
Rule 8-34-303; 17 CCR § 95465(a)(1)	Prohibits landfill surface leaks exceeding 500 ppm by volume, expressed as methane above background, other than non-repeatable, momentary readings, unless the landfill surface leak has been discovered by the operator and all of the requirements of Section 8-34-415 are satisfied—except as provided specified exemptions in Regulation 8, Rule 34, including Section 113.
Rule 8-34-305.1; PTO Condition 20; 17 CCR § 95464(c)	Requires each wellhead in the GCS system to be operated under a vacuum (negative pressure).

INFORMATION FOR VARIANCE FINDINGS

8. Is there a regular maintenance and/or inspection schedule for this equipment?

   _X_Yes ___No

   If yes, how often: ____Weekly____

Date of last maintenance and/or inspection: _____March 5, 2026_____

9. Was there any indication of problems with the subject equipment?

   _X_Yes ___No

   A thorough inspection of the Flare was conducted in mid-2025, during which Petitioner's engineering consultant identified that the Flare's insulation and burners would need replacing in 2026 to help avoid Flare failure. This project to replace the insulation and burners, and to re-paint the Flare, is the subject of this variance request.

10. Were you issued any Notice(s) of Violation or Notice(s) to Comply concerning the equipment or activity that are the subject of this variance request within the past year?

    ___Yes _X_No

11. Have you received any complaints from the public regarding the operation of the subject equipment or activity within the last six months?

___Yes _X_No

If yes, be prepared to present detailed testimony about the nature of these complaints at the hearing.

12. Has this matter been the subject of previous variance requests?

No. However, on January 8, 2026, Petitioner applied for an Emergency Variance due to excessive rainfall that caused flooding at the Flare station, and causing the Flare to shut down. The Hearing Board granted the requested Emergency Variance on January 14, 2026. The Emergency Variance period ran from January 4, 2026 to February 3, 2026.

13. Explain why it is beyond your reasonable control to comply with the regulations and permit conditions that will be the subject of this variance:

It is necessary for Petitioner to conduct maintenance on the Flare to remove and replace its existing ceramic fiber blanket insulation and burners, and to repaint the exterior of the Flare. Based upon proposals received from Petitioner's third-party engineers and contractors, this work will require more than 240 hours and more than five (5) consecutive days of GCS shutdown time, thus will not qualify for the Rule 8-34-113 exemption from Rule 8-34-301 and PTO Condition # 4 & 5 requirements.

Petitioner will be required to take the Flare and GCS out of service for ~20 days while the above-described work is being conducted. After the work is completed, Petitioner anticipates needing an additional ~5 days to conduct GCS (wellfield) tuning and other return-to-service activities. During the maintenance/repair work and return-to-service periods (together comprising the "Flare maintenance project"), it will be beyond Petitioner's reasonable control to comply with the following rules and permit conditions:

- ***Requirement to operate the GCS continuously.*** The Flare maintenance project will necessitate GCS shutdown while the work is being performed. During this time, it will be beyond Petitioner's reasonable control to comply with PTO Condition # 4 and Rule 8-34-301 requirements for continuous operation of the GCS (and the corresponding requirements of the LMR, *see e.g.*, 17 CCR § 95464(b)(1)(A)). While Rule 8-34-113 provides a limited exemption from Rule 8-34-301 requirements for certain GCS inspection and maintenance activities, Petitioner is not able to meet the exemption criteria due to the anticipated duration of the maintenance work, as explained in more detail below (third bullet).

- ***Requirement that all collected LFG be abated at all times by the Flare.*** The Flare maintenance project will necessitate flare system shutdown while the work is being performed. Thus, it will be beyond Petitioner's reasonable control to comply with PTO Condition # 5 and Rule 8-34-301 (and corresponding LMR)

requirements for all collected LFG to be abated/processed by the Flare. While Rule 8-34-113 provides a limited exemption from Rule 8-34-301 requirements for certain flare inspection and maintenance activities, Petitioner is not able to meet the exemption criteria due to the anticipated duration of the project, as explained in more detail immediately below.

- ***Prohibitions on various activities unless in compliance with Rule 8-34-113.*** Carrying out the Flare maintenance project will require Petitioner to be out of compliance with permit prohibitions on (1) disconnecting wells or removing them from operation, (2) closing isolation or adjustment valves, and (3) venting of raw LFG to the atmosphere. It may also cause Petitioner to be out of compliance with the Rule 8-34-301.2 prohibition on GCS component leaks that exceed 1,000 ppm by volume, and LMR prohibition on component leaks exceeding 500 ppmv, measured as methane at any component that contains LFG (with exception for certain operator-discovered leaks). The PTO and Rule 8-34-301 provide that these prohibitions do not apply where the operator meets specified exemption criteria for inspection and maintenance activities, including those in Rule 8-34-113 (*see* PTO Condition #s 4 and 5). For inspection and maintenance work to qualify for exemption under Rule 8-34-113, the GCS may not be shut down for more than 240 hours in any calendar year, and the duration of a GCS shutdown may not exceed five (5) consecutive days. Petitioner's maintenance contractor has informed Petitioner that the Flare maintenance project will require more than 240 hours and five (5) consecutive days. Thus, the inability to meet the Rule 8-34-113 exemption criteria is also beyond Petitioner's reasonable control.

- ***Requirement that each wellhead be operated under a vacuum***. Because carrying out the Flare maintenance project will necessitate disconnecting the vacuum system, it will not be possible to maintain vacuum in the wellfield during the Flare maintenance project. Thus, compliance with Rule 8-34-305.1, PTO Condition 20, and 17 CCR § 95464(c) will be beyond Petitioner's reasonable control.

14. **If you are seeking a product variance**, briefly describe how you attempted to locate, research, or develop a product that is in compliance with District rules and regulations:

    N/A

15. When and how did you first become aware that you are not (or will not be) in compliance with the regulations, rules and/or permit conditions?

Petitioner became aware that the Flare's insulation and burners would require maintenance work, which will require non-compliance with the above-listed rules and permit conditions, during a Flare inspection conducted in mid-2025. In late 2025, Petitioner learned from its third-party engineering contractor that the Flare maintenance

project was expected to require more than the 240 hours and five (5) consecutive days allowed for downtime under Rule 8-34-113.2, and thus that a variance would be required.

16. List the date(s) and action(s) you have taken since that time to achieve compliance:

Petitioner is currently in compliance but requires a variance from compliance with the specified rules and permit conditions to undertake the Flare maintenance project. Below is a list of dates relevant to the chronology for the project and variance request:

- July 2025: A thorough inspection was conducted during which it was determined that the Flare's insulation and burners needed to be replaced.

- August 2025: Petitioner received a proposal from its third-party engineer and maintenance contractor to perform the necessary maintenance work for the Flare.

- January 2026: Petitioner's third-party engineer conducted infrared monitoring to evaluate the state of the Flare exterior and to gather baseline data to compare to post-Flare maintenance project status.

- March 6, 2026: Petitioner submitted this variance petition.

17. What would be the harm to your business, agency or organization if the variance is not granted?

Economic losses: See below.

Number of employees laid off, if any: N/A

Provide detailed information regarding economic losses, if any (anticipated business closure, breach of contracts, hardship on customers, employees or the public, and/or similar impacts):

If the requested variance is not granted, harm to the business identified so far would include penalties imposed by BAAQMD for violations of the permit conditions and regulations that are the subject of this variance. Because it provides an essential public service, the Facility must continue operating to meet obligations for managing MSW.

18. Can you curtail or terminate any operations in lieu of seeking a variance?

___Yes (provide brief explanation)

_X_No

As noted above, the Facility is a closed landfill. Thus it cannot curtail or terminate operations.

19. Will any emissions occurring during the variance period result in odor, dust or smoke?

If yes, identify the type and amount of these emissions; what you can do to monitor and mitigate those emissions; and, the likely impact on the surrounding community.

Petitioner does not expect that emissions during the variance period will result in odor, dust, or smoke.

20. Will any emissions occurring during the variance period result in excess opacity (total opacity above __%)?

No.

If yes, identify the type and amount of these emissions; the likely duration of the excess opacity during the variance period; and, what you can do to monitor and mitigate those emissions.

21. Estimate all other excess emissions that will occur on a daily basis during the variance period. Excess emissions are those that exceed rule and permit condition limits.

Pollutant	Total Estimated Excess Emissions (lbs/day)	Reduction Due to Mitigation (lbs/day)	Net Emissions after Mitigation (lbs/day)
Volatile Organic Compounds (VOCs)	57.71		
Toxic Air Contaminants (TACs) identified in BAAQMD Reg. 3, Schedule A, Table I	3.64		

Show calculations used to estimate quantities of excess emissions or explain why there will be no excess emissions:

Petitioner calculated the above estimates by:

- Estimating the volume of LFG expected to be uncollected while the Flare and GCS are offline during the Flare maintenance project; and

- Applying the following assumptions:
    - 90% of the uncollected LFG would be emitted through the surface of the landfill during the downtime period.
    - Some emissions would be attenuated in the landfill cover (which includes a final soil cover) due to oxidation and biological activity.

- Any LFG emitted would have the same concentrations of VOCs and TACs identified in previous analytical testing of the gas.
- The GCS would be offline for the entire 24-hour period encompassed in the lbs/day calculation.
- The Flare and GCS will be offline for eleven (11) days during the Flare maintenance project.

22. Briefly describe the measures that will be taken to mitigate excess emissions to the maximum extent feasible during the variance period, or explain why mitigation measures are not feasible:

Petitioner will work to restore the Flare and GCS operations as expeditiously as possible once the Flare maintenance project is complete. Petitioner will also ensure that the isolation valves on GCS main header piping that connects to the Flare are closed while the Flare is not operational.

23. How do you plan to monitor or quantify emissions levels from the equipment or operations during the variance period?

While the GCS is inoperable, Petitioner will use an FID monitor for component leak checks of valves and flanges at the Flare blower station. Petitioner will also calculate and quantify emission levels as summarized above.

24. Will you provide information regarding emissions during the variance period in a manner and frequency as requested by the District?

_X_Yes ___No

COMPLIANCE

25. How do you intend to achieve compliance with the regulations and permit conditions that are the subject of the variance? Briefly describe any necessary process changes; equipment to be installed; or modifications to equipment or your facility. Identify whether authority to construct or a permit amendment will be necessary. Include dates by which you estimate actions will be completed and an estimate of total costs.

Petitioner will achieve compliance when the Flare maintenance project is completed and the GCS and Flare and burners return to normal operational status. The maintenance work will entail removal of the existing ceramic fiber blankets and studs, and installation of all new studs and a new ceramic fiber blanket, as well as new burners. Minor fabrication to flare exterior skin and repainting of the Flare may also be needed. This work will not require authority to construct or a permit amendment.

Assuming that the Flare maintenance project proceeds on schedule, Petitioner estimates that these actions will be completed within the 90-day short variance period.

26. List any operating conditions or increments of progress, if any, that you propose to include in the variance order. If the variance is to extend beyond one year, you must propose increments of progress:

Petitioner proposes that the following conditions be included in the variance order:

- Petitioner will notify BAAQMD counsel and staff two (2) business days before commencement of the variance period (based upon the start date of the Flare maintenance project) and within one (1) business day after project completion.

- Petitioner will conduct component leak checks of valves and flanges at the Flare blower station as described in response to Question 23 of this petition and will report results to BAAQMD staff within 72 hours of data collection.

- Petitioner will periodically calculate and report excess emissions, if any, to BAAQMD staff during the variance period.

No increments of progress are proposed, as the variance is anticipated to last significantly less than one year.

27. State the date you are requesting the variance to begin:

Petitioner requests that the variance begin on the first date of the Flare maintenance project, expected to be in April 2026. If the variance is granted, Petitioner will notify BAAQMD counsel and staff two (2) business days before commencement of the variance period (based upon the start date of the project).

28. State the date on which you will achieve final compliance:

Final compliance is expected to be achieved once the Flare maintenance project is complete, which is anticipated to take approximately 25 days total (including return to service).

29. List the names of any District staff with whom you or any of your staff or representatives have had contact concerning this variance petition or any related Notice of Violation or Notice to Comply. Include name, title and phone number:

N/A

30. If this Petition was completed by someone other than the petitioner, provide their name and title:

Malcolm C. Weiss and M. Clare Ellis, attorneys (Hunton Andrews Kurth LLP)

The following verification must be signed by the owner, manager, director, or other responsible party of the plant, business, factory, agency or organization requesting the variance:

I, the undersigned, hereby declare under penalty of perjury, under the laws of the State of California, that I have read the foregoing Petition, including attachments, and that their contents are true and correct.

Dated: 03/05/2026, at (location) Waste Management of Alameda County.

Print name: Patrick Madej

Signature: Patrick Madej

Title: District Manager

BAY AREA AIR QUALITY MANAGEMENT DISTRICT

PERMIT TO OPERATE

This document does not permit the holder to violate any BAAQMD regulation or any other law.

PERMIT EXPIRATION DATE
May 01, 2026

Owner Mailing Contact:

Waste Management of Alameda County
2615 Davis Street
San Leandro , CA 94577-4577
Attn: Patrick Madej

Facility ID: 2246

Waste Management of Alameda County
7010 Auto Mall Pkwy
Fremont , CA 94538-4538

Owning Entity:

Waste Management of Alameda County

DEVICES

This document serves as your Permit to Operate the following:

S1 **Tri-Cities Landfill - Waste Decomposition Process, equipped with landfill gas collection system**
Landfill / Landfill with Gas Collection System
Permitted

S5 **Woodwaste stockpiles**
Food & Agricultural Process / Other Food Agricultural Process / Storage / 86400 Tons / Solid waste - other/not spec
Permitted

Authorized emissions flows from this device:
S5 (Food & Agricultural Process /Other Food Agricultural Process /Storage) --> A5 (Particulate Control /Water Spray)

S7 **Portable Prime Diesel Engine**
Diesel Internal Combustion Engine
Stationary, Prime
755 BHP, Caterpillar, C18, 2015 (FCPXL18.1HXF)
Permitted

Authorized emissions flows from this device:
S7 (Combustion /Internal Combustion Engine /Prime) --> P8 (Emission Point 8)

S8 **Rotochopper Wood Grinder at Tri-Cities**
Miscellaneous Process / Waste Material Grinding
Permitted

Authorized emissions flows from this device:
S8 (Miscellaneous Process /Waste Material Grinding) --> A8 (Particulate Control /Water Spray)

S24 **Concrete and Asphalt Stockpile Storage Area**
Miscellaneous Process / Material Handling / Storage
Permitted

PERMIT EXPIRATION DATE
May 01, 2026

S25 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
69 BHP, Caterpillar, C4.4, 2021
Permitted

Authorized emissions flows from this device:
S25 (Combustion /Internal Combustion Engine /Emergency Standby) --> P25 (Emission Point 25)

S26 **Emergency Standby Diesel Generator Set**
Diesel Internal Combustion Engine
Stationary, Emergency Standby
69 BHP, Caterpillar, C4.4CG, 2021
Permitted

Authorized emissions flows from this device:
S26 (Combustion /Internal Combustion Engine /Emergency Standby) --> P26 (Emission Point 26)

A3 **Enclosed Landfill Gas Flare**
Organic Control / Flare
Permitted

Authorized emissions flows from this device:
A3 (Organic Control /Flare) --> P3 (Emission Point 3)

The following pollution abatement devices are required under this Permit:

A3	Organic Control / Flare
A5	Particulate Control / Water Spray
A8	Particulate Control / Water Spray

The operating parameters described above are based on information supplied by the permit holder and may differ from the limits set forth in the attached conditions of this Permit To Operate. The limits of operation in the permit conditions are not to be exceeded. Exceeding these limits is considered a violation of BAAQMD and is subject to enforcement action.

PERMIT CONDITIONS

The devices described in this document are subject to the following permit conditions:

S1	Subject to Condition #:	**8366**
S5	Subject to Condition #:	**15022**
S7	Subject to Condition #:	**27507**
S8	Subject to Condition #:	**27507**
S24	Subject to Condition #:	**25393**
S25	Subject to Condition #:	**22850**
S26	Subject to Condition #:	**22850**

Condition #: 8366 S1

For S-1: Tri-Cities Landfill - Waste Decomposition Process; Equipped with Gas Collection System; and Abated by A-3: Landfill Gas Flare

1. The Tri-Cities Landfill S-1 is permitted for a total refuse capacity of 19,271,000 cubic yards (approximately 13,489,700 tons). Effective August 1, 2012, no waste shall be disposed of in the S-1 Tri-Cities Landfill. (Basis: Cumulative Increase, Offsets, and Toxic Risk Management Policy)

2. The owner/operator shall apply for and receive a Change of Conditions from the District before altering the landfill gas collection system described in Parts 2a-b below. Increasing or decreasing the number of wells or collectors are alterations subject to this requirement. The authorized number of landfill gas collection and leachate collection system components is the baseline count listed below, plus any components added and minus any components decommissioned pursuant to Part 2b, as evidenced by start-up/shutdown notification letters submitted to the District.

   a. The owner/operator has been issued a Permit to Operate for the landfill gas collection system components listed below. Well and collector locations, depths, and lengths are as described in detail in Permit Application #3515, 10998, 15345, and 17332. In addition, the Permit Holder has been issued a Change of Conditions for modifications to the gas collection system, the details of which are included in Permit Application #22571.

Required Components

1) Main Gas Collection System

Total Number of Vertical Wells: 31

Total Number of Horizontal Landfill Gas Trench Collectors: 0

2) Intermittent Gas Collection System

Total Number of Leachate Collection Wells: 0

   b. The owner/operator is authorized to make the landfill gas collection system and leachate collection system component alterations listed below. Specific details regarding well alterations are described in Permit Application #22571.

	Minimum	Maximum
Install new Vertical Gas Extraction Wells:	0	30
Decommission Vertical Gas Extraction Wells:	0	15
Install new Horizontal Trench Collectors:	0	15
Decommission Horizontal Trench Collectors:	0	15
Install new Leachate Cleanout Risers:	0	5
Decommission Leachate Cleanout Risers:	0	5

Wells installed, relocated, replaced, or shutdown pursuant to Part 2b shall be added to or removed from Part 2a in accordance with the procedures identified in Regulations 8-34-408. The owner/operator shall maintain records of the decommissioning date for each well that is shutdown and the initial operation date for each new or relocated well and trench. An unlimited number of vertical gas extraction well and horizontal trench collector replacements may be performed as long as the replacement is connected to the gas collection system within 24 hours of shutdown of the replaced well/trench collector.
(Basis: Regulations 2-1-301, 8-34-301.1, 8-34-303, 8-34-304, 8-34-305, and 8-34-408)

3. In order to demonstrate compliance with the above requirements, the owner/operator shall maintain the following records:
   a. Deleted
   b. For areas of the landfill not controlled by a landfill gas collection system, the owner/operator shall maintain a record of the date that waste was initially placed in the area or cell.
   c. The cumulative amount of waste placed in each uncontrolled area or cell.
   d. If the owner/operator plans to exclude an uncontrolled area or cell from the collection system requirement, the types and amounts of all non-decomposable waste placed in the area or cell shall be recorded. If non-decomposable waste makes up less than 100% of the contents of a given cell, that percentage shall be noted.
   e. The initial operation date for each new landfill gas well and collector.
   f. An accurate map of the landfill that indicates the locations of all refuse boundaries and the locations of all wells and collectors as identified in the Collection and Control System Design Plan. Any areas containing only non-decomposable waste shall be clearly identified. This map shall be updated at least every six months to indicate changes in refuse boundaries and to include any newly installed wells and collectors.

   These records shall be kept on-site and be made available for inspection to District personnel upon request for a period of five years from the date on which a record was made. (Basis: Cumulative Increase and

Regulations 8-34-501 and 8-34-304)

4. The landfill gas collection system described in Part 2a.(i) above shall be operated continuously. Wells shall not be disconnected or removed from operation nor shall isolation or adjustment valves be closed without written authorization from the District, unless the owner/ operator complies with all applicable requirements of Regulation 8, Rule 34, Sections 113, 116, 117, and 118. The landfill gas collection system described in Part 2a.(ii) is not required to be operated continuously and is subject to the alternative wellhead standards described in Part 21, as allowed under Regulation 8-34-305. The CCR, Title 17, Section 95454c Wellhead Gauge Pressure Requirement continues to apply to these components. (Basis: Regulations 8-34-301 and 8-34-305, CA H&S Code, Title 17, Division 3, Chapter 10, Article 4, Subarticle 6)

5. All landfill gas collected by the gas collection system for S-1 shall be abated at all times by the Landfill Gas Flare A-3. Under no circumstances shall raw landfill gas be vented to the atmosphere. This limitation does not apply to unavoidable landfill gas emissions that occur during collection system installation, maintenance, or repair performed in compliance with Regulation 8, Rule 34, Sections 113, 116, 117, or 118 or to inadvertent component or surface leaks that do not exceed the limits specified in 8-34-301.2 or 8-34-303. (Basis: Regulation 8-34-301)

6. The combustion zone temperature of the flare shall be maintained at a minimum temperature of 1450 degrees F, averaged over any 3-hour period. If a source test demonstrates compliance with all applicable requirements at a different temperature, the APCO may revise this minimum temperature limit in accordance with the procedures identified in Regulation 2-1-301 and 2-1-302, based on the following criteria. The minimum combustion zone temperature for the flare shall be equal to the average combustion zone temperature determined during the most recent complying source test minus 50 degrees F, provided that the minimum combustion zone temperature is not less than 1400 degrees F. (Basis: Regulation 8-34
-
301, Toxic Risk Management Policy, CCR, Title 17, Section 95470(a)(1)(K)(1), and RACT)

7. The Landfill Gas Flare A-3 shall be equipped with a combustion temperature readout monitor and continuous recorder to measure and record the temperature in the combustion zone. (Basis: Regulation 8-34-507)

8. Emissions of Nitrogen Oxides (NOx) from the Flare A-3 shall not exceed 0.06 pounds per million BTU (calculated as NO2). (Basis: RACT and Offsets)

9. Emissions of Carbon Monoxide (CO) from the Flare A-3 shall not exceed 0.3 pounds per million BTU. (Basis: RACT and Offsets)

10. In order to demonstrate compliance with Regulation 8, Rule 34, Section 301.3, Regulation 9, Rule 1, Section 302, and the above requirements, the owner/operator shall ensure that a District approved source test is conducted annually on the Landfill Gas Flare (A-3). The annual source test shall determine the following:

    a. Landfill gas flow rate to the flare (dry basis)
    b. Concentrations (dry basis) of methane (CH4) and total non-methane organic compounds (NMOC) in the landfill gas;
    c. Stack gas flow rate from the flare (dry basis)
    d. Concentrations (dry basis) of nitrogen oxides (NOx), carbon monoxide (CO), CH4, NMOC, and O2 in the flare stack gas
    e. The NMOC destruction efficiency achieved by the flare
    f. The average combustion temperature in the flare during the test period.

Annual source tests shall be conducted no later than 12 months after the previous source test. The Source Test Section of the District shall be contacted to obtain its approval of the source test procedures at least 14 days in advance of each source test. The Source Test Section shall be notified of the scheduled test date at least 7 days in advance of each source test. The source test report shall be submitted to the Compliance and Enforcement Division within 45 days after the test date. (Basis: Regulations 8-34-301.3 and 8-34-412)

11. The heat input to the A-3 Flare shall not exceed 1,800 million BTU per day or 657,000 million BTU per year. In order to demonstrate compliance with this part, the owner/operator shall calculate and record on a monthly basis the maximum daily and total monthly heat input to the flare based on the landfill gas flow rate recorded pursuant to Part 10, the average methane concentration in the landfill gas based on the most recent source test, and a high heating value for methane of 1013 BTU/scf. The records shall be retained for five years and shall be made available to the District staff upon request. (Basis: Regulation 2-1-301)

12. Total reduced sulfur compounds in the collected landfill gas shall be monitored as a surrogate for monitoring sulfur dioxide in control systems exhaust. The concentration of total reduced sulfur compounds in the collected landfill gas shall not exceed 1300 ppmv (dry). In order to demonstrate compliance with this part, the owner/operator shall measure the total sulfur content in collected landfill gas on an annual basis using a draeger tube. The landfill gas sample shall be taken from the main landfill gas header. The owner/operator shall follow the manufacturer's recommended procedures for using the draeger tube and interpreting the results. (Basis: Regulations 9-1-302 and 2-1-403)

13. Deleted

14. Deleted

15. Deleted

16. Deleted

17. Deleted

18. Deleted

19. The owner/operator shall submit the annual report required by BAAQMD Regulation 8-34-411. (Basis: Regulation 8-34-411)

20. The gas collection system operating requirements listed below shall replace the well head requirements identified in Regulation 8-34-305.2 through 8-34-305.4 for the specified wells. All wells remain subject to the Regulation 8-34-305.1 requirement to maintain vacuum at each well head.
    a. The Regulation 8-34-305.2 temperature limit shall not apply to the Wells 103 and 114, and any other wells for which the District has approved a higher operating value, provided that the landfill gas temperature at each well does not exceed 145 degrees F (63 degrees C).
    b. The owner/operator shall demonstrate compliance with the alternative wellhead landfill gas temperature specified in Part 20(a) above by monitoring the temperature of each wellhead on a monthly basis, in accordance with Regulation 8-34-505.
    c. All records to demonstrate compliance with Part 20(a) and all applicable sections of Regulation 8, Rule 34 shall be recorded in a District-approved log and made available to District staff upon request in accordance with Regulation 8-34-501.4, 501.9, and 414.
    d. If the temperatures measured at any of the wells listed in Part 20(a) exceed 145 degrees F, the owner/operator shall take all measures necessary to investigate the possibility of subsurface fires, including landfill gas testing for carbon monoxide (CO) on the affected wells. If a fire is suspected, the owner/operator shall employ all means as appropriate to extinguish the fire, repair the well(s), and bring the well(s) back into service.

(Basis: Regulation 8-34-301.2, 8-34-303, and 8-34-305)

21. The leachate collection system shall be connected to the vacuum system as needed to prevent violation of applicable surface and component leak limits, and the operating requirements listed below shall replace the operating requirements identified in Regulation 8-34-301.1, 8-34-305.3, and 8-34-305.4 for the leachate collection risers (LCRs). All LCRs remain subject to the landfill gas temperature limit in Regulation 8-34-305.2.
    a. The Regulation 8-34-305.3 and 8-34-305.4, the nitrogen and oxygen content limits, shall not apply, provided that each LCR is operated at an oxygen concentration not to exceed 15% by volume. Regulation 8-34-414 and subpart 21(b) below may be used in conjunction with this alternative wellhead limit.

b. The component may be disconnected from the vacuum system if compliance with Part 21(a) requires turning off the vacuum to a LCR or if the temperature > 131 degreesF. The component shall be connected to vacuum if any pressure is detected.
c. The owner/operator shall monitor and record the gauge pressure, oxygen content, methane content, and temperature at each LCR on a monthly basis, regardless of whether the component is connected to vacuum or not.

All records to demonstrate compliance with Part 21 and all applicable sections of BAAQMD Regulation 8, Rule 34 shall be recorded in a District-approved log and made available to District staff upon request for at least 5 years from date of entry. (Basis: Regulations 8-34-305, 8-34-404, 8-34-414, 8-34-501.4, 8-34-501.9, CCR Title 17, Section 95468(a)(1))

22. If any other well has a temperature of 131 degrees F or higher, the owner/operator may elect to add this component to the list of alternative temperature limit wells in Part 20 if all of the following requirements are met:
a. The wellhead temperature does not exceed 145 degrees F.
b. The carbon monoxide (CO) concentration in the wellhead gases does not exceed 500 ppmv.
c. The component does not exceed any wellhead limit other than temperature and had no excesses of wellhead limits (other than temperature) during the past 120 days prior to adding this component to the list in this subpart, unless the excess is positive pressure at the well from the well vacuum being reduced to eliminate any potential over pull that could contribute to a landfill fire.
d. Prior to adding a component to the list in Part 20, the owner/operator shall monitor the gas in the wellhead for CO concentration at least two times, with no more than 15 days between tests. CO monitoring shall continue on a monthly basis, or more frequently if required below, until the owner/operator is allowed to discontinue CO monitoring per subpart e(ii)(3).
e. The owner/operator shall comply with all applicable monitoring and recordkeeping requirements below:
1) The owner/operator shall demonstrate compliance with the alternative wellhead temperature limit by monitoring and recording the temperature of the landfill gas in the wellhead on a monthly basis, in accordance with Regulations 8-34-501.4, 8-34-501.9, and 8-34-505.
2) If the temperature of the landfill gas in the wellhead exceeds 140 degrees F, the owner/operator shall investigate the possibility of a subsurface fire at the wellhead by monitoring CO concentration in the wellhead gases and by searching for smoke, smoldering odors, combustion residues, and other fire indicators in the wellhead and in the landfill area near the wellhead. Within 5 days of triggering a fire investigation, the

owner/operator shall measure the CO concentration in the landfill gas at the wellhead using a portable CO monitor, CO Draeger tube, or an EPA-approved test method. CO monitoring shall continue according to the frequency specified below:

a) If the CO concentration is greater than 500 ppmv, the owner/operator shall immediately take all steps necessary to prevent or extinguish the subsurface fire, including disconnecting the well from the vacuum system if necessary. If the well is not disconnected from the vacuum system or upon reconnecting the well to the vacuum system, the owner/ operator shall monitor the well for CO concentration, wellhead temperature, and other fire indicators on at least a weekly basis until CO concentration drops to 500 ppmv or less.

b) If the CO concentration is less than or equal to 500 ppmv but great than 100 ppmv, the owner/operator shall monitor for CO concentration at least twice per month (not less than once every 15 days) until the CO concentration drops to 100 ppmv or less. Wellhead temperature and other fire indicators shall be evaluated at each of these semi-monthly monitoring events.

c) If the CO concentration is less than or equal to 100 ppmv, the owner/operator shall monitor for CO concentration on a monthly basis. CO monitoring may be discontinued if three consecutive CO measurements are 100 ppmv or less and the wellhead temperature during each of these three monitoring events is 140 degrees F or less. If the component has three or more CO measurement of 100 ppmv or less but the wellhead temperature was greater than 140 degrees F, the owner/ operator must receive written approval from the District before discontinuing the monthly CO monitoring at that component.

3) The owner/operator shall record the dates and results of all monitoring events required by this subpart in a District-approved log. If subpart 20e(ii) or 20e(ii)(1) applies, the owner/operator shall also record all actions taken to prevent or extinguish the fire.

f. Within 30 days of adding a component to the list in this subpart, the owner/operator shall notify the District in writing that the operator is requesting to add the component to the list of alternative temperature limit wells. This notification shall include the well ID number, a map of the collection system to identify the location of the well, and the dates and results of all monitoring conducted on the well to verify that the above requirements have been satisfied.

g. If the Regulation 8-34-414 repair schedule has been invoked for the wellhead temperature excess and the owner/operator has met the requirement in Sections

414.1 and 414.2, then compliance with the requirements of the subpart shall be deemed an acceptable resolution of the wellhead temperature excess in lieu of the collection system expansion specified in Section 414.3 and 414.4.
(Basis: Regulation 8-34-305)

Condition #: 15022 S5

For S-5: Wood Waste Stockpiles; Abated By A-5: Water Truck

1. Water spray (A-5), minimized drop height, and other particulate reducing techniques shall be used as necessary to minimize particulate emissions from the wood debris stockpiling operations.
(Basis: Regulations 6-1-301 and 1-301)

2. Visible emissions shall not exceed Ringelmann 1.0, nor shall it result in fallout on adjacent properties in sufficient quantities as to cause a public nuisance per Regulation 1-301.
(Basis: Regulations 6-1-301 and 1-301)

3. Observation for visible particulate emissions is required each time material to added to or removed from the Wood Waste Stockpiles. If visible emissions are detected, the operator of the source shall take the necessary corrective action to stop the emissions.
(Basis: Regulations 6-1-301, 6-1-305, and 2-1-403)

Condition #: 22850 S25, S26

1. The owner/operator shall not exceed 50 hours per year per engine for reliability-related testing.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the

hours of operation for the engine is installed, operated and properly maintained.
[Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
   a. Hours of operation for reliability-related activities (maintenance and testing).
   b. Hours of operation for emission testing to show compliance with emission limits.
   c. Hours of operation (emergency).
   d. For each emergency, the nature of the emergency condition.
   e. Fuel usage for each engine(s).
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]
5. At School and Near-School Operation:
   If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply:
   The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:
   a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
   b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.
   "School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s). "School" or "School Grounds" includes any building or structure, athletic field, or other areas of school property but does not include unimproved school property.
   [Basis: Title 17, California Code of Regulations, section 93115, ATCM for Stationary CI Engines]

Condition #: 25393 S24

For S-24: Concrete and Asphalt Stockpile Storage Area

1. The owner/operator shall ensure that no more than 150,000 tons concrete and asphalt is accepted at S-24 in any consecutive 12 month period. (Basis: Cumulative Increase)
2. The owner/operator shall ensure that the combined amount of concrete and asphalt accepted at the site and removed from the site does not exceed 2,500 tons in any day. (Basis: Regulation 2-1-403, limiting daily emissions to avoid BACT)
3. The owner/operator shall use water spray to abate fugitive dust whenever concrete or asphalt is being dumped into and removed from the stockpile storage area, shall minimize disturbance of the stockpiles, and use water spray additionally, as necessary, on the stockpiles and stockpile area to maintain compliance with District Regulation 6, Rule 1, Section 301. (Basis: Regulation 6-1-301)
4. The owner/operator shall maintain the following records:
   a. Amount of concrete and asphalt accepted on a daily basis.
   b. Amount of concrete and asphalt removed from the site on a daily basis.
   c. Amount of concrete and asphalt accepted and removed shall be totaled at the end of each month for each day and for the previous 12 month period.

   The owner/operator shall record all records in a District approved log. The owner/operator shall retain the records for five years from the date of entry and make them available for inspection by District staff upon request. These record keeping requirements shall not replace the record keeping requirements contained in any applicable District Regulations. (Basis: Cumulative Increase)

Condition #: 27507 S7, S8

Part 2 of this condition regarding portability of the engine has been imposed because the regulatory analysis depends on the engine being portable.

1. The BAAQMD permit for S7, Portable Prime Diesel Engine, and S8, Wood Grinder, is valid only at Plant 2246 at 7010 Auto Mall Parkway. The owner/operator may operate the equipment using the PERP registration at other locations where the use of a PERP registration is allowed. (Basis: Regulation to Establish a Statewide Portable Equipment Registration Program Section 2453(m)(4)(B))

2. The owner/operator of S7, Portable Prime Diesel Engine has been given a permit for a portable source. The owner/operator shall not store or operate the sources in one location (footprint) for more than 12 consecutive months. Any backup or standby engine, which replaces S7, Engine at the same location and is intended to perform the same function will be counted toward this time limitation. The owner/operator shall not move the

equipment and then return it to the same location in an attempt to circumvent the portable equipment time requirement. (basis: 2-1-320, Section 209(e) of the Federal Clean Air Act, 40 CFR 1074.10)

3. The owner/operator shall ensure that the fuel for the engine, S7, is CARB diesel fuel. (Basis: CARB ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater, Section 93116.3(a)(1))

4. The owner/operator shall ensure that S7, Portable Prime Diesel Engine, and S8, Wood Grinder, operate no more than 2,080 hr per any 12 consecutive month period at Plant 2246. (Basis: 2-1-320)

5. The owner/operator shall ensure that only wood and wood waste are processed by S7, Portable Prime Diesel Engine, and S8, Wood Grinder. (Basis: 2-1-320)

6. The owner/operator shall not grind more than 100 tons of wood in any hour. (Basis: 2-1-320)

7. The owner/operator shall abate particulate emissions at S8, Wood Grinder, with a properly operating A8, Water Spray, at all times of operation at Plant 2246. (basis: 6-1-301)

8. The owner/operator shall not discharge an air contaminant into the atmosphere for a period or periods aggregating more than 3 minutes in any hour, which is as dark or darker than a Ringelmann 1.0 from A8, Wood Grinder. (basis: Regulation 6-1-301)

9. The owner/operator shall equip S7, Diesel Engine, with a non-resettable totalizing meter that measures hours of operation for the engine. The owner/operator shall maintain a District approved log on a monthly and calendar basis for hours of operation at S7. The owner/operator shall keep this log on site for at least five years from the date of entry and make it available to District staff upon request. (basis: CARB ATCM for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater, Section 93116.4(b))

10. The owner/operator shall maintain a District approved log on a monthly basis for material throughput at S8. The owner/operator shall keep this log on site for at least five years from the date of entry and make it available to District staff upon request. (basis: 2-1-403)

END OF CONDITIONS

IMPLIED CONDITIONS

Unless your specific permit conditions state otherwise, the throughputs, fuel and material consumptions, capacities and hours of operation described in your permit application will be considered maximum allowable limits.

A new permit will be required before any increase in parameters, such as throughputs, fuel and material consumption, capacities, and hours of operation, or change in materials, equipment or permit conditions may be made.

RIGHT OF ACCESS

In accordance with Regulation 1-440, BAAQMD shall be granted the right of access to any premises on which an air pollution source s located for the purposes of:

a) The inspection of the source,
b) The sampling of materials used at the source,
c) The conduct of an emission source test, and
d) The inspection of any records required by BAAQMD rule or permit condition

REGULATORY COMPLIANCE

This Permit To Operate does not authorize violations of the rules and regulations of BAAQMD (may be viewed at www.baaqmd.gov), California or Federal law. Compliance with conditions in this permit does not mean that the permit holder is currently in compliance with BAAQMD Rules and Regulations It is the responsibility of the permit holder to have knowledge of and be in compliance with all BAAQMD rules and regulations.

PERMIT EXPIRATION DATE
May 01, 2026

Reported Source Emissions

For RenewalPeriod 5/1/2025 to 5/1/2026

		Annual Average lbs/day				
Source	**Facility Source Description**	**PM**	**Org**	**NOx**	**SO2**	**CO**
S1	Tri-Cities Landfill - Waste Decomposition Process, equipped with landfill gas collection system	0.00	246.03	0.00	0.00	0.00
S5	Woodwaste stockpiles	0.00	0.00	0.00	0.00	0.00
S7	Portable Prime Diesel Engine	0.00	0.00	0.07	0.00	0.00
S8	Rotochopper Wood Grinder at Tri-Cities	0.02	0.00	0.00	0.00	0.00
S24	Concrete and Asphalt Stockpile Storage Area	0.00	0.00	0.00	0.00	0.00
S25	Emergency Standby Diesel Generator Set	0.00	0.00	0.00	0.00	0.00
S26	Emergency Standby Diesel Generator Set	0.00	0.00	0.00	0.00	0.00
A3	Enclosed Landfill Gas Flare	4.40	3.94	44.00	12.38	222.92
	TOTALS	**4.42**	**249.97**	**44.07**	**12.38**	**222.92**

PERMIT EXPIRATION DATE
May 01, 2026

FACILITY TOTALS FOR EACH EMITTED TOXIC POLLUTANT

Pollutant Name	Emissions lbs/day
Vinylidene chloride	0.09
Methylene chloride	5.59
Benzene	0.69
Perchloroethylene	2.84
Toluene	16.66
Ethylene dichloride	0.19
Xylene	5.91
Chloroform	0.02
Hydrogen Sulfide (H2S)	5.47
Ethyl chloride	0.36
Trichloroethylene	1.71
Hexane	2.60
Ethylbenzene	2.25
Vinyl chloride	2.12
1,1,1-Trichloroethane	0.29

Adjusted Prioritization Score: 6.8

Adjusted *Prioritization scores are calculated based on the quantity of toxic air contaminant emissions, the toxicity of the toxic air contaminants, and the proximity of the facility to potential receptors such as residences, hospitals, schools, and workers.*

END OF DOCUMENT