

**MONTEREY BAY UNIFIED AIR POLLUTION CONTROL DISTRICT  
TITLE V OPERATING PERMIT TV41-01**

**EVALUATION REPORT**

24580 Silver Cloud Court  
Monterey, CA 93940  
Telephone: (831) 647-9411

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APPLICATION RECEIVED FROM:

Santa Cruz County Public Works  
701 Ocean Street, Room 410  
Santa Cruz, CA 95060

PLANT SITE LOCATION:

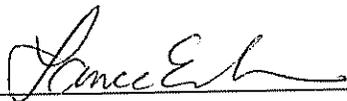
150 Roundtree Lane  
Watsonville, California

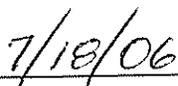
APPLICATION PROCESSED BY:

Mike Sewell, Air Quality Engineer

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APPROVED FOR RELEASE BY:

  
\_\_\_\_\_  
Lance Ericksen  
Engineering Division Manager

  
\_\_\_\_\_  
Date

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24580 Silver Cloud Court  
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Dated: July 17, 2006

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Santa Cruz, CA 95060

**PLANT SITE LOCATION:**

150 Roundtree Lane  
Watsonville, California

**APPLICATION PROCESSED BY:**

Mike Sewell, Air Quality Engineer

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Nature of Business: Municipal Solid Waste Landfill

SIC Code: 4953 - Refuse Systems

**RESPONSIBLE OFFICIAL:**

Name: Mr. Thomas L. Bolich  
Title: Director of Public Works  
Phone: (831) 454-2160

**ALTERNATIVE RESPONSIBLE OFFICIAL:**

Name: Mr. Patrick Mathews  
Title: Solid Waste & Recycling Manager  
Phone: (831) 454-2377

**FACILITY CONTACT PERSON:**

Name: Mr. Kasey Kolassa  
Title: Environmental Programs Coordinator  
Phone: (831) 454-5332

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## **FACILITY DESCRIPTION**

The County of Santa Cruz's Buena Vista Landfill is a Municipal Solid Waste (MSW) Landfill permitted by the California Integrated Waste Management Board to receive a maximum of 774 tons per day of MSW in 2001 with a 2% increase in allowed tonnage in each following year. This landfill site has been accepting waste since the site opened in 1981.

Located on the landfill is a landfill gas collection and destruction system. The collected landfill gas is combusted in an enclosed ground flare or routed to three landfill gas engine-generator sets that are owned and operated by a third party.

The Buena Vista Landfill is subject to Title V permitting as the facility is subject to District Rule 437 due to the design capacity of the landfill being greater than 2.5 million cubic meters. Rule 437 was adopted on October 16, 1996 and submitted to EPA as part of the California State Plan to control emissions from existing MSW Landfills as required by 40 CFR Part 60, Subpart Cc. District Rule 437 adopted by reference the standards established in the New Source Performance Standards for Municipal Solid Waste Landfills (40 CFR Part 60, Subpart WWW). EPA approved the California State Plan on November 22, 1999 which established the effective date for this facility. In addition, the facility is subject to the federal National Emission Standard for Hazardous Air Pollutants (NESHAP) for Municipal Solid Waste Landfills.

## **EQUIPMENT DESCRIPTION**

### **MUNICIPAL SOLID WASTE LANDFILL CONSISTING OF:**

1. 126 Acre Landfill Site Of Which 61 Acres Are Permitted For Waste Disposal.
2. Landfill Gas Collection Systems, Vertical Wells, Lateral Collector Pipes, Header Pipe, And Gas Movers To Collect And Route Landfill Gas To The Landfill Gas Destruction Systems
3. Landfill Gas Destruction Systems:
  - A) Three Landfill Gas Engine-Generator Sets, Each Nominally Rated At 1,400 Bhp And 1Mw Output.
  - B) Enclosed Ground Flare, Rated At 54 MMBtu/Hr Maximum.

## **APPLICABLE FEDERAL REQUIREMENTS**

### Rule 207 - Review of New or Modified Sources

The District has established that any "landfill" (a place used for the disposal of garbage where the rubbish, etc. is buried under a shallow layer of ground) is not subject to local District permitting. This is because a "landfill" does not trigger local District permitting requirements for "any article, machine, equipment or other contrivance".

Therefore, this "landfill" has not been reviewed under the District new source review rule and no conditions from this rule will be included on the permit for the "landfill" proper.

However, other operations or processes related to and located at the landfill site may require local permits. This is the case for the enclosed ground flare presently installed. The enclosed ground flare was permitted by the District and was installed in 1993. The engine-generator sets are owned and operated by a third party, and therefore, the specific engine requirements other than those imposed by the landfill NSPS are not included on this permit.

Rule 214 - Breakdown Conditions

This is the implementing regulation in which the District has established the criteria for reporting breakdowns. The requirements imposed by this rule will be included on this permit.

Rule 218 - Title V: Federal Operating Permits

This is the implementing regulation by which the District issues the federal Operating Permits. All requirements imposed by this rule will be included in the Title V permit.

Rule 308 - Title V: Federal Operating Permit Fees

This is the District's fee rule for Title V. Appropriate conditions will be included on the Title V permit to ensure compliance with the fee provisions contained in this rule.

Rule 400 - Visible Emissions

This rule is applicable to the emissions from the facility. Appropriate conditions will be included on the permit to ensure compliance with this rule.

Rule 403 - Particulate Matter

The 0.15 grains per dry cubic foot emission standard is applicable to the enclosed ground flare and will be included on the permit. Based upon a calculated emission rate of 25.9 lbs PM<sub>10</sub>/day (0.02 lbs PM<sub>10</sub>/MMBtu from Santa Barbara APCD Flare Study, July 1991), this would equate to a grain loading of 0.017 grains per dry cubic foot [25.9 lbs/day x 7000 grains/lb x 1 min/7866 ft<sup>3</sup> x 1 day/1400 minutes = 0.02 grains/ft<sup>3</sup>]. Therefore, no testing will be required as compliance is assured from the above calculation.

Rule 404 - Sulfur Compounds and Nitrogen Oxides

The SO<sub>2</sub> provisions of the rule are applicable to the emissions from the facility.

Compliance with the 0.2% by volume (2000 ppmv) limit for SO<sub>2</sub> for combustion of landfill gas in the enclosed ground flare is assumed due to the a calculated emission rate of 7.01 lbs/hr based upon the Rule 412 limit of 50 grains/100 ft<sup>3</sup> [(50 gr/100 scf)\*(1 lb/7000 gr)\*(54 MMBtu/Hr)\*(1 ft<sup>3</sup>/550 Btu) = 7.01 lbs/hr]. Utilizing this emission factor and the volumetric flow (F factor) for gaseous fuels, the SO<sub>2</sub> concentration from the enclosed ground flare would equate to 79.0 ppmv [7.01 lbs SO<sub>2</sub>/MMBtu\* ((MM lbmoles air)/(64.1 lbmole SO<sub>2</sub>))\*((379 Ft<sup>3</sup> Air)/(lbmole air))]/((8,740 SDCFM)\*(60 M/Hr)) = 79.0 ppmv]. This value is well below the 2000 ppmv SO<sub>2</sub> allowed in this rule.

Therefore, no monitoring/testing or record keeping will be included on the permit to show compliance with the SO<sub>2</sub> limit for the combustion of landfill gas in the enclosed ground flare.

The 140 pound per hour NO<sub>x</sub> limit for any new or expanded combustion unit is applicable to the enclosed ground flare. Compliance with this limit is assured due to the following calculation for the enclosed ground flare which shows an hourly NO<sub>x</sub> emission rate of 3.24 NO<sub>x</sub>/hour. This value is well below the 140 pound per hour NO<sub>x</sub> limit

allowed in this rule. Therefore, no monitoring/testing or record keeping will be included on the permit to show compliance with the NO<sub>x</sub> limit for the combustion of landfill gas in the enclosed ground flare.

Rule 412 - Sulfur Content of Fuels

This rule which requires that the sulfur content of fuels combusted be less than 50 grains per 100 cubic feet for gaseous fuels is applicable to this facility. Appropriate conditions will be included on the permit to ensure compliance with the provisions of this rule.

Rule 437 - Municipal Solid Waste Landfills

This rule adopts by reference the requirements of 40 CFR Part 60, Subpart WWW. Compliance will be assured due to the inclusion of the WWW requirements on the permit.

40 CFR Part 60, Subpart A - New Source Performance Standards, General Provisions

This facility is subject to the requirements of 60.7 (notification and record keeping), 60.8 (performance tests), 60.11 (compliance with standards and maintenance requirements), and 60.13 (monitoring requirements) because they are subject to 40 CFR Part 60, Subpart WWW.

The District asserts that compliance with the conditions on the Title V permit shall be considered compliance with the monitoring, record keeping, and reporting requirements contained in 40 CFR Parts 60.7, 60.8, 60.11, and 60.13.

40 CFR Part 60, Subpart WWW - New Source Performance Standard for Municipal Solid Waste Landfills

This facility is subject to the requirements of this NSPS based upon the requirements of District Rule 437. Appropriate conditions will be include on the permit to ensure compliance with the requirements of this NSPS.

40 CFR Part 63, Subpart AAAA - National Emission Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills

This facility is subject to the requirements of this NESHAP. Appropriate conditions will be include on the permit to ensure compliance with the requirements of this NESHAP.

**THE FOLLOWING CONDITIONS WILL BE INCLUDED ON THE TITLE V PERMIT:**

**FEDERALLY ENFORCEABLE EMISSION LIMITS AND STANDARDS**

1. The amount of landfill gas vented to the flare shall not exceed 1.8 million cubic feet per day. [District Rule 207]
2. Emissions from the flare shall not exceed the following limits [District Rule 207]:

<u>Pollutant</u>	<u>Emission Level</u>	<u>Emission Limit</u>
NO <sub>x</sub>	0.06 lbs/MMBTU	137 lbs/day
VOC	0.03 lbs/MMBTU	137 lbs/day
CO	0.59 lbs/MMBTU	550 lbs/day

3. The flare combustion temperature shall be maintained at 1400° F or greater. [District Rule 207]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three (3) minutes in any one (1) hour which is as dark or darker than Ringelmann 1 or equivalent 20% opacity. [District Rule 400 Adopted 12/13/84]
5. Particulate matter shall not exceed 0.15 grains per standard dry cubic foot in the exhaust stream of the landfill gas destruction device(s). [District Rule 403 Adopted 9/1/74]
6. Sulfur compounds calculated as sulfur dioxide (SO<sub>2</sub>) shall not exceed 0.2 percent by volume in the exhaust stream of the landfill gas destruction device(s). [District Rule 404 Adopted 10/16/96]
7. The landfill gas combusted shall contain no more than 50 grains of sulfur compounds (calculated as hydrogen sulfide) per 100 cubic feet of gas. [District Rule 412 Adopted 9/1/74]
8. The County of Santa Cruz shall cause to be operated a landfill gas collection system that effectively captures the gas generated such that [District Rule 437 Adopted 10/16/96]:
  - A) the system is designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas collection system; and
  - B) landfill gas is collected from each area, cell or group of cells in which non-asbestos degradable solid waste has been placed for a period of 5 years or more for active areas or 2 years or more for closed areas; and
  - C) offsite migration of subsurface gas is minimized; and
  - D) each wellhead is under negative pressure except under the following conditions:
    - i) a fire or increased well temperature. The County of Santa Cruz shall record instances when positive pressure occurs in efforts to avoid a fire. These records shall be submitted with the semiannual reports as provided in Condition 38; or
    - ii) use of a geomembrane or synthetic cover. Acceptable pressure limits shall be submitted by the County of Santa Cruz in their design plan; or
    - iii) a decommissioned well.
  - E) the collected landfill gas temperature is less than 55°C at each operating well with a nitrogen level less than or equal to 50 percent or an oxygen level less than or equal to 12 percent; and
  - F) the surface methane concentration over the landfill shall not exceed 500 ppm above background.

9. The landfill gas destruction device(s) shall either reduce non-methane organic compounds (NMOC) by 98 weight-percent or reduce the NMOC outlet concentration to less than 20 ppmv, dry basis as hexane at 3% oxygen. [Rule 437 Adopted 10/16/96]
10. The County of Santa Cruz shall cause the landfill gas destruction device(s) to be operated at all times that the collected landfill gas is routed to the system. In the event that the gas collection system or the Landfill gas destruction device(s) is inoperable, the gas mover system shall be shut down and all valves in the collection system and the landfill gas destruction device(s) contributing to venting of the gas to the atmosphere shall be closed within 1 hour. [Rule 437 Adopted 10/16/96]
11. Conditions 9 and 10 do not apply to the landfill gas destruction device(s) during periods of start-up, shutdown, or malfunction, provided that the duration of start-up, shutdown, or malfunction shall not exceed 1 hour. [Rule 437 Adopted 10/16/96]
12. The County of Santa Cruz shall cause the landfill gas destruction device(s) to be equipped with exhaust gas temperature monitoring devices equipped with continuous recorders with the ability to record the average combustion temperature every 15 minutes, and having an accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5$  °C, whichever is greater. [Rule 437 Adopted 10/16/96]
13. The 3-hour average exhaust gas temperature shall not be 28° C less than the average exhaust gas temperature during the most recent performance testing required under condition 25. [40 CFR Part 60, Subpart WWW]
14. The County of Santa Cruz shall install, calibrate, and maintain gas flow measuring devices that shall record at least every 15 minutes the gas flow to the landfill gas destruction device(s) or to the bypass valves if so equipped. [Rule 437 Adopted 10/16/96]
15. If the gas collection system is equipped with valves to bypass the landfill gas destruction device(s), these bypass valves must be in a closed position with a car-seal or a lock-and-key type configuration. [Rule 437 Adopted 10/16/96]
16. The County of Santa Cruz shall implement a program to monitor for cover integrity and implement cover repairs as necessary on a monthly basis. [Rule 437 Adopted 10/16/96]
17. The County of Santa Cruz shall have in place a Start-up, Shutdown and Malfunction (SSM) Plan according to the provisions of 40 CFR §63.6(e)(3). The SSM Plan shall be maintained at the facility, and be made available to District staff upon request. The SSM Plan is incorporated by reference into this Title V permit. [40 CFR Part 63, Subpart AAAA]
18. The County of Santa Cruz shall include deviations specified in the Municipal Solid Waste Landfill NESHAP in the semiannual report required by condition 38. Specified deviations include periods when [40

CFR Part 63, Subpart AAAA]:

- A) the enclosed ground flare or the landfill gas engine exhaust gas temperature fall below the value established in condition 13.
- B) 1-hour or more of the hours during the 3-hour block averaging period for determining compliance with condition 13 does not constitute a valid hour of data. A valid hour of data must have measured values for at least three 15-minute monitoring periods within the hour.
- C) the Start-up, Shutdown, and Maintenance Plan (SSM) is not developed, implemented, or maintained on site.

## TESTING REQUIREMENTS AND PROCEDURES

- 19. Annual performance tests on the enclosed ground flare shall be conducted in accordance with the Monterey Bay Unified Air Pollution Control District test procedures to verify compliance with Condition 2. A testing protocol shall be submitted to the District for approval at least 30 days prior to the scheduled testing date. The District must be notified at least ten days prior to the actual testing in order that a District representative may be present. [District Rule 218 Adopted 3/26/97]
- 20. No testing is specified for the generic (Rule 400) opacity requirement from Condition 4. The landfill gas destruction device(s) are assumed to be in compliance with the opacity requirement due to the firing of gaseous fuel. If testing is conducted for Condition 4, the County of Santa Cruz should conduct testing in accordance with the methodology contained in EPA Method 9 and the averaging/aggregating period contained in District Rule 400. [District Rule 218 Adopted 3/26/97]
- 21. No testing is specified for the generic (Rule 403) particulate matter emission standard from Condition 5. The landfill gas destruction device(s) are assumed to be in compliance with the particulate matter emission standard due to the firing of gaseous fuel. If testing is conducted for Condition 5, the County of Santa Cruz should conduct testing in accordance with the methodology contained in EPA Method 5. [District Rule 218 Adopted 3/26/97]
- 22. No testing is specified for the generic (Rule 412) sulfur concentration limit in Condition 6. The landfill gas destruction device(s) are assumed to be in compliance with the sulfur concentration limit based upon the calculations contained in the engineering evaluation. If testing is conducted for Condition 6, the County of Santa Cruz should conduct testing in accordance with the methodology contained in EPA Method 20. [District Rule 218 Adopted 3/26/97]
- 23. Annual testing of the landfill gas from the gas collection system(s) to determine the sulfur content shall be completed. The County of Santa Cruz shall conduct testing in accordance with ASTM D 1072-80, ASTM D 3031-81, ASTM D 3246-81 or SCAQMD Method 307-91 to verify compliance with Condition 7. [District Rule 218 Adopted 3/26/97]

24. The County of Santa Cruz shall cause monitoring or testing to be conducted to verify compliance with Conditions 8, 15 and 16 as follows [Rule 437 Adopted 10/16/96]:

On a monthly basis:

- A) Monitor the cover integrity, visually inspect the bypass valves to ensure that they are closed, and measure the gage pressure and monitor the temperature and nitrogen or oxygen content at each well head. The nitrogen level shall be determined using EPA Method 3C, or the oxygen level shall be determined using EPA Method 3A except that: 1) the span shall be set so the regulatory limit is between 20 and 50 percent of the span; 2) a data recorder is not required; 3) only two calibration gases are required, a zero and a span, and ambient air may be used as the span; 4) a calibration error check is not required; and 5) the allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent.

On a quarterly basis:

- B) Monitor the surface concentrations of methane along the entire perimeter of the collection area and along a serpentine pattern within the collection area at 30 meter intervals. This surface monitoring shall be performed in accordance with section 4.3.1 of EPA Method 21, except that the probe shall be placed within 5 to 10 centimeters of the ground. The portable analyzer shall meet the instrument specifications provided in section 3 of EPA Method 21 except that "methane" shall replace all references to VOC and the instrument evaluation procedures in section 4.4 of EPA Method 21 shall be used to meet the performance evaluation requirements of section 3.1.3. The calibration procedures provided in section 4.2 of EPA Method 21 shall be followed immediately before commencing a surface monitoring survey, and the calibration gas shall be methane diluted to a nominal concentration of 500 ppm.

Any reading of 500 ppm or greater above background shall be recorded as a monitored exceedance. The Background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the landfill at a distance of at least 30 meters from the perimeter wells. A monitored exceedance is not a violation of the operational requirement contained in Condition 8(F) as long as the following specified actions are taken:

- i) The location of each monitored exceedance shall be marked and the location recorded.
- ii) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within 10 calendar days of detecting the exceedance; and
- iii) If the re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be monitored again within 10 days of the second exceedance. If the re-monitoring shows a third exceedance for the same location, the action specified in section v of this condition shall be taken.
- iv) Any location that initially showed an exceedance but has a methane

concentration less than 500 ppm above background at the 10-day re-monitoring specified in section *ii* or *iii* of this condition shall be re-monitored 1 month from the initial exceedance. If the 1-month re-monitoring shows a concentration less than 500 ppm above background, no further monitoring is required until the next quarterly monitoring period. If the 1-month re-monitoring shows an exceedance, the actions specified in section *iii* or *v* of this condition shall be taken.

- v) For any location where monitored methane concentration equals or exceeds 500 ppm above background three times within a quarterly period, a new well or other collection device shall be installed within 120 calendar days of the initial exceedance. An alternative remedy to the exceedance and a corresponding time line for installation may be submitted to the District for approval.

- 25. On an annual basis the County of Santa Cruz shall cause testing to be conducted to verify compliance with Condition 9. This testing shall be conducted in accordance with EPA test method 18 or 25. [Rule 437 Adopted 10/16/96 and District Rule 218 Adopted 3/26/97]

#### RECORD KEEPING REQUIREMENTS

- 26. The County of Santa Cruz shall maintain up-to-date records of the maximum design capacity, the current amount of solid waste in place, the year-by-year waste acceptance rate, and the nature, date of deposition, amount, and location of asbestos-containing or nondegradable waste excluded from gas collection as provided by §60.759(a)(3)(i) as well as any nonproductive areas excluded from gas collection as provided by §60.759(a)(3)(ii). These records shall be retained on-site or be available within 4 hours if stored off-site. [Rule 437 Adopted 10/16/96]
- 27. The County of Santa Cruz shall maintain, readily accessible records for the life of the control equipment, the control device vendor specifications, and the following data as measured during the initial performance test or compliance determination [Rule 437 Adopted 10/16/96]:
  - A) The maximum expected gas generation flow rate as calculated in §60.755(a)(1); and
  - B) The density of wells, horizontal collectors, surface collectors, or other gas extraction devices determined using the procedures specified in §60.759(a)(1).
- 28. The County of Santa Cruz shall keep for at least 5 years up-to-date, readily accessible continuous records of all data required by Condition 24. [Rule 437 Adopted 10/16/96]
- 29. The County of Santa Cruz shall maintain SSM Plan records as specified in 40 CFR §60.6(e)(3)(iii) and 40 CFR §60.6(e)(3)(iv). [40 CFR Part 63, Subpart AAAAA]
- 30. As applicable the County of Santa Cruz shall maintain the following general records of required monitoring

information [District Rule 218 Adopted 3/26/97]:

- A) the date and time of sampling or measurements;
- B) the date(s) analyses were performed;
- C) the company or entity that performed the analyses;
- D) the analytical techniques or methods used;
- E) the results of such analyses;
- F) the operating conditions existing at the time of sampling or measurement; and
- G) the records of quality assurance for continuous monitoring systems (including, but not limited to quality control activities, audits, and calibration drift checks) and source testing methods.

31. The County of Santa Cruz shall maintain records on the occurrence and duration of any start-up, shutdown, or malfunction in the operation of the control equipment under this permit. [District Rule 218 Adopted 3/26/97]
32. The County of Santa Cruz shall retain records of all required monitoring data and support information for a period of at least five (5) years from the date of the monitoring, sample collection, measurement, report, and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit. [District Rule 218 Adopted 3/26/97]

## REPORTING REQUIREMENTS

33. The County of Santa Cruz shall report all breakdowns to the Air Pollution Control Officer (APCO) within 1 hour of the occurrence. This one hour period may be extended up to six hours for good cause by the APCO.

The estimated time for repair of the breakdown shall be supplied to the APCO within 24 hours of the occurrence and a written report shall be supplied to the APCO within 5 days after the occurrence has been corrected. This report shall include at a minimum [District Rule 214]:

- A) a statement that the condition or failure has been corrected and the date of the correction; and
- B) a description of the reasons for the occurrence; and
- C) a description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future; and
- D) an estimate of the emissions caused by the condition or failure

34. The County of Santa Cruz shall report to the District any actions not consistent with the SSM Plan. The initial report shall be within 2 working days via telephone or facsimile, followed by a letter delivered or postmarked within 7 working days after the end of the event. The letter shall contain the name, title, and signature of the responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the SSM Plan, and whether any excess emissions and or parameter monitoring exceedances are believed to have occurred. [40 CFR Part 63, Subpart AAAA]
35. The County of Santa Cruz shall report any violation of any requirement contained in this permit to the District within 96 hours after such occurrence. The violation report shall include the time intervals, date and magnitude of excess emissions; nature and cause of the excess (if known), corrective actions and preventive measures adopted. [District Rule 218 Adopted 3/26/97]
36. For protection from enforcement action based upon an emergency, as defined in District Rule 218, the responsible official for the County of Santa Cruz shall submit to the District relevant evidence which demonstrates [District Rule 218 Adopted 3/26/97]:
- A) an emergency occurred; and
  - B) that the County of Santa Cruz can identify the cause(s) of the emergency; and
  - C) that the facility was being properly operated at the time of the emergency; and
  - D) that all steps were taken to minimize the emissions resulting from the emergency; and
  - E) within two working days of the emergency event, the County of Santa Cruz provided the District with a description of the emergency and any mitigating or corrective actions taken.
37. The County of Santa Cruz shall submit semiannual monitoring reports to the District, in a District approved format, no later than August 15 for the period of January 1 through June 30 and no later than February 15 for the period of July 1 through December 31. [District Rule 218 Adopted 3/26/97]
- These monitoring reports shall include at a minimum:
- A) the time intervals, date and magnitude of excess emissions, nature and cause of the excess (if known), corrective actions and preventative measures adopted; and
  - B) the averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard for the pollutant in question; and
  - C) all information pertaining to any monitoring as required by the permit; and
  - D) a negative declaration specifying when no excess emissions occurred.
38. The County of Santa Cruz shall submit semiannual reports to the District, no later than August 15 for the

period of January 1 through June 30 and no later than February 15 for the period of July 1 through December 31, with the following required information [Rule 437 Adopted 10/16/96 and 40 CFR Part 63, Subpart AAAA]:

- A) the value and length of time for exceedances of applicable parameters monitored as required in Condition 8; and
- B) deviations as specified in condition 18; and
- C) a description and the duration of all periods when the gas stream is diverted from the Landfill gas destruction device(s); and
- D) a description and the duration of all periods when the landfill gas destruction device(s) was not operating for any period exceeding 1 hour and the length of time the landfill gas destruction device(s) was not operating; and
- E) all periods when the landfill gas destruction device(s) was not operating in excess of five days; and
- F) the location and concentration of each exceedance of Condition 8(F) as monitored by Condition 24(B); and
- G) the date of installation and the location of each well or collection system expansion added pursuant to Condition 24(B)(v); and
- H) SSM Report as specified in 40CFR §63.10(d)(5)(i).

39. The County of Santa Cruz shall submit an annual compliance certification report to the District and U.S. EPA, in a District approved format, no later than February 15 for the period of January 1 through December 31 of the preceding year. [District Rule 218 Adopted 3/26/97]

This report shall include a written statement from the responsible official which certifies the truth, accuracy, and completeness of the report and shall include at a minimum:

- A) identification of each term or condition of the permit that is the basis of the certification; and
- B) the compliance status; and
- C) whether compliance was continuous or intermittent; and
- D) the method(s) used for determining the compliance status of the source, currently and over the reporting period.

40. The County of Santa Cruz shall submit a closure report to the District within 30 days of waste acceptance cessation. If a closure report has been submitted to the District, no additional wastes may be placed into the landfill without filing a notification of modification as described in 40 CFR §60.7(a)(4). [Rule 437 Adopted 10/16/96]

41. The County of Santa Cruz shall submit an equipment removal report to the District 30 days prior to removal or cessation of operation of the landfill gas control equipment. The equipment removal report shall contain the following [Rule 437 Adopted 10/16/96]:
- A) A copy of the closure report submitted in accordance with Condition 40; and
  - B) A copy of the initial performance test report demonstrating that the 15 year minimum control period has expired; and
  - C) Dated copies of three successive annual NMOC emission rate reports demonstrating that the landfill is no longer producing 50 megagrams or greater of NMOC per year.

#### **GENERAL CONDITIONS**

42. The County of Santa Cruz shall comply with all conditions of this federal operating permit. Any noncompliance with a permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. [District Rule 218 Adopted 3/26/97]
43. In an enforcement action, the fact that the County of Santa Cruz would have to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit is not a defense. [District Rule 218 Adopted 3/26/97]
44. This permit may be modified, revoked, reopened and reissued, or terminated for cause as determined by the District. The filing of a request by the County of Santa Cruz for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 218 Adopted 3/26/97]
45. This permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. [District Rule 218 Adopted 3/26/97]
46. The County of Santa Cruz shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit. Upon request, the County of Santa Cruz shall also furnish to the District copies of records required to be retained by this permit. [District Rule 218 Adopted 3/26/97]
47. For applicable requirements that will become effective during the permit term, the County of Santa Cruz shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement. [District Rule 218 Adopted 3/26/97]

48. Any document submitted to the District pursuant to this permit shall contain certification by the responsible official of truth, accuracy and completeness. All certifications shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The County of Santa Cruz shall promptly, upon discovery, report to the District a material error or omission in these records, reports, plans, or other documents. [District Rule 218 Adopted 3/26/97]
49. Upon any administrative or judicial challenge, all the emission limits, specific and general conditions, monitoring, record keeping, and reporting requirements of this permit, except those being challenged, remain valid and must be complied with. [District Rule 218 Adopted 3/26/97]
50. For this federal operating permit to remain valid through the permit term of five years from the date of issuance, the County of Santa Cruz shall pay an annual emission fee based upon the requirements of District Rule 308. [District Rule 218 Adopted 3/26/97]
51. The County of Santa Cruz shall have available at the facility at all times a copy of this federal operating permit. [District Rule 218 Adopted 3/26/97]
52. Upon presentation of credentials, the County of Santa Cruz shall allow the District, the ARB, the EPA, or an authorized representative, to perform the following [District Rule 218 Adopted 3/26/97]:
  - A) enter upon the premises where the federal operating permit source is located or in which any records are required to be kept under the terms and conditions of this federal operating permit;
  - B) to have access to and copy any records required to be kept under the terms and conditions of this federal operating permit;
  - C) to inspect any equipment, operation, or process described or required in this federal operating permit; and,
  - D) to sample emissions from the source.

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