



INITIAL NMOC EMISSION RATE REPORT

For Existing Solid Waste Disposal Sites

This report is required for any existing solid waste disposal site^a that has a maximum design capacity of greater than 2,500,000 megagrams (2,755,000 tons) and greater than 2,500,000 m³ (3,269,000 yd³), unless the site last accepted waste before November 8, 1987 and has no design capacity available for future waste deposition. This report fulfills the requirements of BAAQMD Regulation 8-34-406. Complete all Sections (A through C) and return to the District by no later than December 31, 1999.

A. Site Information

1. _____
Name of Solid Waste Disposal Site BAAQMD Plant Number
(if known)
2. _____
Address of Solid Waste Disposal Site
3. _____
Name of Person Completing Form Title / Position Telephone Number
4. _____
Mailing Address of Person Completing Form
5. _____
Signature of Person Completing This Form Date

B. NMOC Emission Calculations Summary

List the values used for each variable in the NMOC Emission Rate Equation(s).^b Attach copies of all emission calculations and provide all data necessary to justify using any values other than defaults.

1. Methane Generation Rate Constant, year-1 (k): _____ default = 0.05
2. Methane Generation Potential, m³/Mg (L₀): _____ default = 170.
3. Concentration of NMOC, ppmv as hexane (C_{NMOC}): _____ default = 4000.
4. Check one or both as applicable and fill in any requested information:
 - Average Annual Acceptance Rate, Mg/Year (R): _____
 - Actual Year-to-Year Waste Acceptance Rates (attach data)

5. Check one or both as applicable and fill in any requested information:

Age of Landfill, years (t): _____ AND
Time Since Closure, years (c): _____

Calculation Based on Year-to-Year Waste Acceptance Rates (attach data)

6. Projected NMOC Emission Rate: _____ Mg/Year as of: _____
(date)

C. Conclusions

2. Check one of the two alternatives below:

I plan to comply with Regulation 8, Rule 34 by submitting a Collection and Control System Design Plan by December 31, 2000 and meeting all new standards by July 1, 2002.

I will not be submitting a Collection and Control System Design Plan, because I believe this site is exempt from the collection and control system requirements of Regulation 8, Rule 34 pursuant to the 8-34-121 exemption for Low Emission Landfills.^c Check one of the three alternatives below.

I will submit annual NMOC Emission Rate Reports to comply with 8-34-407.

The attached calculations show that the projected NMOC emission rate is less than 50 Mg/year in each of the next five years. I will submit an NMOC Emission Rate Report in five years to verify compliance with this exemption.

This landfill is closed and no further reports are required.

^a Existing solid waste disposal sites are landfills that began construction or waste deposition before May 30, 1991 and that have had no design capacity modifications since May 30, 1991. Landfills that began construction after May 30, 1991 or that have had design capacity modifications after May 30, 1991 are subject to NSPS requirements (40 CFR Part 60, Subpart WWW). Solid waste disposal sites that have submitted an Initial NMOC Emission Rate Report pursuant to NSPS requirements should not complete this form.

^b The NMOC Emission Rate Equations are found in 40 CFR 60.754(a)(1)(i and ii) and are repeated below:
If Year-to-Year Waste Acceptance Rates are known use:

$$M_{\text{NMOC}} = \sum_{i=1}^n 2 k L_0 M_i (e^{-kt_i}) (C_{\text{NMOC}}) (3.6 \times 10^{-9})$$

If Year-to-Year Waste Acceptance Rates are not known use:

$$M_{\text{NMOC}} = 2 L_0 R (e^{-kc} - e^{-kt}) (C_{\text{NMOC}}) (3.6 \times 10^{-9})$$

^c Section 8-34-121 applies only if the site has less than 1,000,000 tons of decomposable waste in place and the projected NMOC emission rate for the next year is less than 50 Mg/year.