

RULE 485, MUNICIPAL LANDFILL GAS
(Adopted 11-06-97, 7-23-98)**INDEX****100 GENERAL**

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100 GENERAL

101 **PURPOSE:** The purpose of this rule is to limit nonmethane organic compound (NMOC) emissions from existing Municipal Solid Waste (MSW) Landfills by implementing the provisions of 40 Code of Federal Regulations (CFR) Part 60 Subpart Cc - Emission Guidelines and Compliance times for MSW Landfills.

102 **APPLICABILITY:** The provisions of this Rule shall apply to any MSW Landfill which is located within the County of Sacramento that has accepted waste since November 8, 1987, or has additional design capacity available for future deposition.

103 **REFERENCES:** The requirements of this Rule are required by the provisions of the federal Clean Air Act and its amendments (42 U.S.C. 7401 *et seq.*) and EPA regulations setting forth emissions guidelines for MSW Landfills (40 CFR section 60.36c).

110 **EXEMPTIONS:** Any MSW Landfill that is subject to the requirements of the New Source Performance Standard Subpart WWW - Standards of Performance for Municipal Solid Waste Landfills (40 CFR section 60.750) is exempt from the requirements of this Rule.

200 DEFINITIONS: Unless otherwise defined within this Rule, the definitions used for the purposes of this Rule shall be those given in 40 CFR section 60.751.

201 **ADMINISTRATOR:** For the purposes of this Rule, Administrator means the Air Pollution Control Officer (APCO) of the Sacramento Metropolitan Air Quality Management District (District), except that the APCO shall not be empowered to approve;

- 201.1 alternative or equivalent test methods,
- 201.2 alternative standards,
- 201.3 alternative work practices unless the alternative work practices are included in the site specific design plans as approved under 40 CFR section 60.752(b)(2)(I).

202 **DESIGN PLAN:** The site-specific design plan for the gas collection and control system submitted under Section 304 of this Rule.

203 **INTERMEDIATE SIZED LANDFILLS;** Any MSW landfill which has a design capacity equal to or greater than 2.5 million megagrams (2.5 million cubic meters) and the calculated NMOC emissions rate is less than 50 megagrams per year.

204 **OPERATOR;** Any person, including but not limited to any government entity, corporation, partnership, trustee, other legal entity, or individual, that:

- 204.1 Operates the landfill, or
- 204.2 Is responsible for complying with any federal, state, or local requirements relating to gaseous emissions from real property used for landfill purposes and subject to this rule.

205 **OWNER;** Any person, including but not limited to any government entity, corporation, partnership, trustee, other legal entity, or individual, that:

- 205.1 Holds title to the real property on which the solid waste disposal is located, including but not limited to title held by joint tenancy, tenancy in common, community property, life estate, estate for years, lease, sublease, or assignment, except title held solely as security for a debt such as mortgage, or
- 205.2 Is responsible for complying with any federal, state, or local requirements relating to gaseous emissions from real property used for landfill purposes and subject to this rule.

300 STANDARDS

- 301 **DESIGN CAPACITY REPORT:** Each owner or operator of a MSW Landfill located within the County of Sacramento subject to this Rule shall submit an initial design capacity report as provided in 40 CFR section 60.757(a)(2) or an amended design capacity report as specified in 40 CFR 60.752. The reports shall include the date that waste was last accepted in the MSW Landfill. The owner or operator shall submit the reports to the APCO, according to the schedule provided in Section 401 of this Rule. If the MSW landfill is permanently closed, the owner or operator shall also include closure documents sufficient to verify the permanent closure status of the MSW landfill, per 40 CFR section 60.757(d)
- 302 **NONMETHANE ORGANIC COMPOUND (NMOC) EMISSIONS ESTIMATION:** Each owner or operator of a MSW Landfill that has a design capacity equal to or greater than 2.5 million megagrams or 2.5 million cubic meters shall prepare a NMOC emissions estimation pursuant to 40 CFR section 60.754, and submit it to the APCO according to the schedule provided in Section 401 of this Rule.
- 303 **INTERMEDIATE SIZED LANDFILLS:** Each owner or operator of an intermediate sized landfill as defined in Section 203, shall be subject to the requirements of 40 CFR section 60.752 (b)(1), except as provided in 40 CFR section 60.757 (b)(1)(ii). Each owner or operator of a landfill subject shall be subject to Section 304 of this Rule if at anytime, the NMOC emissions estimation is equal to or greater than 50 megagrams per year.
- 304 **SITE SPECIFIC DESIGN PLAN:** Each owner or operator of a MSW Landfill that has a NMOC emissions estimation equal to or greater than 50 megagrams per year, shall submit a site specific design plan to the District meeting the requirements of 40 CFR section 60.752(b)(2)(I), pursuant to the schedule provided in Section 401.2 of this Rule. The site specific design plan shall include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, record keeping, or reporting provisions in 40 CFR section 60.753 through 60.758. The APCO shall review and either approve or disapprove the plan, or request that additional information be submitted. The design plan shall either conform with specifications for active collection systems in 40 CFR 60.759 or include a demonstration to the APCO's satisfaction of the sufficiency of the alternative provisions to 40 CFR 60.759. The design plan may include alternatives as specified under 40 CFR 60.752(b)(2)(I)(B).
- 305 **COLLECTION AND CONTROL SYSTEM:** Each owner or operator of a MSW landfill that has a NMOC emissions estimation equal to or greater than 50 megagrams per year, shall install a collection and control system meeting the conditions provided in 40 CFR section 60.752(b)(2)(ii) and (iii), except for alternatives provided in 40 CFR section 60.753 through section 60.758, according to the schedule provided in Section 401.3 of this Rule. The collection and control system shall provide for the control of collected MSW landfill emissions meeting requirements of 40 CFR section 60.752(b)(2)(ii) and (iii) except that paragraphs (b)(2)(ii)(B) and (b)(2)(iii)(A) of 40 CFR section 60.752 concerning the use of passive collection system and open flares do not apply to MSW landfills subject to this Rule. Passive collection systems and open flare(s) shall not be utilized as to landfills subject to this rule. Sources shall route all collected gas to a collection and control system that complies with the requirements of 40 CFR section 60.752(b)(2)(iii)(B) or (C), concerning control devices and treatment systems other than open flare(s).
- 305.1 The collection and control system required under this Section, shall be installed no later than May 6, 2000.
- 306 **COLLECTION AND CONTROL SYSTEM OPERATIONAL STANDARDS:** Each owner or operator of a MSW landfill that is subject to Section 305 of this Rule shall operate the collection and control system in accordance with 40 CFR section 60.753, section 60.755 and section 60.756.

- 307 **REMOVAL FROM SERVICE:** Each owner or operator of a MSW landfill may cap or remove the collection and control system provided the conditions contained in 40 CFR section 60.752(b)(2)(v) are met.

400 ADMINISTRATIVE REQUIREMENTS

- 401 **COMPLIANCE TIMES:** Any records or reports required to be submitted pursuant to 40 CFR section 60.752, section 60.754, section 60.757 or section 60.758 shall be submitted to the APCO within the following timelines:
- 401.1 The design capacity and the NMOC emissions reports required pursuant to Section 301 and 302 of this Rule, shall be submitted by January 2, 1998.
 - 401.2 The site specific collection and control system design plan as required under Section 304 of this Rule, shall be submitted within 12 months of submission of the NMOC emissions report showing NMOC emissions rate equal to or greater than 50 megagrams per year.
 - 401.3 The planning, awarding of contracts, and installation of the collection and control equipment required pursuant to section 305 of this Rule shall be accomplished within 30 months after meeting the condition in section 305, or no later than May 6, 2000.
 - a. The initial performance test of the collection and control system equipment shall be accomplished within six months of the control system start-up per 40 CFR 60.752(b)(2)(iii)(B) and 40 CFR 60.757(f) and (g).
 - 401.4 NMOC emissions reports shall be submitted annually as specified under 40 CFR 60.757(b).

500 MONITORING AND RECORDS

- 501 **RECORD KEEPING REQUIREMENTS:** The owner or operator of each MSW landfill shall meet the record keeping and reporting requirements of 40 CFR section 60.757 and 40 CFR section 60.758, as applicable, except that the APCO may approve alternative record keeping and reporting provisions as provided in Sections 304 and 305 of this Rule.
- 502 **DURATION OF RECORDS:** Records required by this rule shall be maintained on-site for a continuous five-year period or as otherwise required under 40 CFR 60.758, and made available to the Air Pollution Control Officer upon request.

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