



**Air Pollution Control Board**  
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**Air Pollution Control District**  
R. J. Sommerville         Director

## COMPLIANCE ADVISORY

### Notice of Adoption of Rule 59.1 Municipal Solid Waste Landfills

On June 17, 1998, the Air Pollution Control District adopted new Rule 59.1 - Municipal Solid Waste Landfills, which implements federal mandates to control air emissions from existing municipal solid waste (MSW) landfills as provided in the Code of Federal Regulations (40 CFR Part 60). This rule applies to landfills that were constructed or modified before May 30, 1991, and have accepted waste at any time since November 8, 1987, or that have additional design capacity available for future waste deposition. (Landfills constructed or modified after May 29, 1991, are subject to federal New Source Performance Standards (NSPS), Subpart WWW - Standards for Municipal Solid Waste Landfills (40 CFR Part 60).

There are twenty-seven MSW landfills in San Diego County that were regulated by District Rule 59 - Control of Waste Disposal Site Emissions. Nineteen MSW landfills will remain subject to Rule 59 without any new requirements. Seven existing landfills (Miramar, Otay Mesa, Sycamore, Borrego, Las Pulgas, Ramona and San Onofre) will be subject to Rule 59.1. The San Marcos Landfill, because of a modification to the permitted volume after May 30, 1991, is subject to the requirements of Subpart WWW and is exempt from Rule 59.1.

The three largest active landfills (Miramar, Otay Mesa and Sycamore) will be subject to all the requirements of Rule 59.1. Once these three landfills are in compliance with Rule 59.1 they will no longer be subject to Rule 59. The remaining four smaller landfills (Borrego, Las Pulgas, Ramona and San Onofre) will be exempt from the emission collection and control system requirements of Rule 59.1. However, they must submit an initial design capacity report as specified below. These four smaller landfills will also remain subject to the requirements of Rule 59.

Rule 59.1 incorporates by reference many of the detailed requirements of Subpart WWW. Persons subject to Rule 59.1 should be aware of the requirements of Subpart WWW. Rule 59.1 includes the following:

- Applicability**            Rule 59.1 applies to all existing municipal solid waste (MSW) landfills except any new or existing MSW landfills subject to the requirements of NSPS Subpart WWW §60.750.
- Exemptions**            MSW landfills with a design capacity less than 2.75 million tons in mass units or less than 3.27 million cubic yards in volume units, or with uncontrolled non-methane organic compound emissions less than 55 tons per year, are exempt from the emission collection and control requirements specified in Section (d) of Rule 59.1.
- Definitions**            Terms defined in the rule are in addition to those defined in Subpart WWW §60.751.

**OVER**

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**Standards**

Emission collection and control systems are required for landfills with:

- a design capacity of 2.75 million tons or more, and a volume of 3.27 million cubic yards or more, and
- uncontrolled emissions of non-methane organic compounds (NMOC) of 55 tons per year or more.

The emission collection and control systems must meet the requirements specified in the provisions of Subpart WWW §60.752. Operational standards and monitoring requirements specified in §60.753 and §60.756, respectively, must also be met. The provisions in §60.752 concerning passive collection systems do not apply to any MSW landfill subject to this rule.

Additional requirements limit methane emissions at the landfill surface and emissions of landfill gas along the transfer path. Rule 59.1 does not allow leachate and/or condensate to be evaporated to the atmosphere.

Flares used to control landfill gases must meet specified operational requirements. Open flares are not allowed.

Whenever landfill material is excavated, the owner/operator must first obtain and follow written mitigation measures issued by the Air Pollution Control Officer.

**Recordkeeping & Reporting**

Owners of an existing MSW landfill must submit an initial design capacity report as specified in Subpart WWW §60.752(a) and comply with the non-methane organic compound emission rate reporting requirements of §60.752(b) by **September 17, 1998**.

Additional reporting and recordkeeping requirements must be conducted according to Subpart WWW §60.757 and §60.758

**Test Methods & Emission Calculation Procedures**

Appropriate test methods, calculation procedures and measurement procedures are specified in Subpart WWW §60.754 and §60.755

**Compliance Test Requirements**

The rule specifies surface emission monitoring requirements in addition to those identified in Subpart WWW §60.755(c)(3).

**Emission Collection and Control System**

Owners of MSW landfills required to install emission collection and control systems must submit to the District a site-specific emission collection and control system design plan prepared by a professional engineer (Subpart WWW §60.752(b)(2)(i)).

**Compliance Schedule**

Owners of MSW landfills required to install emission collection and control systems must proceed according to the following increments of progress:

By **June 17, 1999**, submit an application for an Authority to Construct.

By **December 17, 2000**, install the emission collection and control system.



**Compliance Schedule - cont'd**      **By June 17, 2001, demonstrate compliance with all applicable provisions of Rule 59.1.**

Additional time lines are provided for MSW landfills that are currently not subject to the emission collection and control requirements of Rule 59.1 but may become subject to such requirements after June 17, 1998.

Landfills subject to and in compliance with the emission collection and control system requirements of Rule 59.1 will not be subject to Rule 59.

A copy of Rule 59.1 and NSPS Subpart WWW - Standards for Municipal Solid Waste Landfills can be obtained by calling (619) 694-3307. For more information, please call the District's Compliance Division at (619) 694-3340.

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