

PUBLIC WORKSHOP

Proposed Amendments to
Waste Discharge Requirements
for Disposal/Reuse of Contaminated Soils
and Other Nonhazardous Wastes
at Municipal Solid Waste Landfills

Los Angeles Regional Water Quality Control Board
January 27, 2011

Goals

- To amend WDRs for active MSW landfills to clarify requirements for the disposal and reuse of contaminated soils and related wastes.
- To update requirements for the protection of surface water quality for landfills that reuse contaminated soils or related wastes.

Background

- Order No. 91-93 (General WDRs for contaminated soil disposal) is ineffective.
- There is no policy / procedure for on-site reuse of contaminated soils or wastes.
- Surface water quality monitoring is limited.

Considered WDR Amendments

- Revised acceptance limits for petroleum hydrocarbons contaminated soils.
- Include limits for other contaminants of concern.
- Implement waste acceptance methodology to prevent disposal of designated wastes.
- Implement waste reuse criteria.
- Expand requirements of the general Industrial Stormwater Permit **or** require a site-specific or regional general NPDES permit.

Contaminated Soil Disposal Criteria

- Proposed threshold contamination levels for unrestricted reuse.
 - Petroleum hydrocarbons
 - C4-C12_(gasoline) : <10 mg/kg,
 - C13-C22_(diesel) : <10 mg/kg,
 - C23+ : <500 mg/kg;
 - Associated contaminants
 - Not to exceed industrial PRGs or CHHSLs limits;
 - Not to exceed MCL limits on a per weight basis.

Contaminated Soil Disposal Criteria

- Proposed contamination levels for **unlined** landfill areas.
 - Petroleum hydrocarbons
 - C4-C12_(gasoline) : 500 mg/kg,
 - C13-C22_(diesel) : 1,000 mg/kg,
 - Total hydrocarbons : 10,000 mg/kg;
 - Associated contaminants
 - Not to exceed 100 times MCL limit for VOCs, SVOCs, organochlorine pesticides, PCBs, or CAM metals.

Contaminated Soil Disposal Criteria

- Proposed contamination levels for **lined** landfill areas.
 - Petroleum hydrocarbons
 - C4-C12_(gasoline) : 1,000 mg/kg,
 - C13-C22_(diesel) : 10,000 mg/kg,
 - Total hydrocarbons : 50,000 mg/kg;
 - Associated contaminants
 - Not to exceed site-specific designated waste limits for associated contaminants (VOCs, SVOCs, organochlorine pesticides, PCBs, or CAM metals).

Contaminated Soil / Related Waste Reuse Criteria

- Establishes Best Management Practices for reuse of contaminated soils or related wastes;
 - Not to adversely affect beneficial uses of waters;
 - Submit revised SWPPP with site-specific BMPs;
 - Not to exceed contamination levels for unlined landfill disposal;
 - Not to exceed SCAQMD Rule 1150.1.

Contaminated Soil / Related Waste Reuse Criteria

- Expands stormwater monitoring program.
 - Submit Plan for monitoring list of site-specific contaminants of concern;
 - Sample all discrete storm events;
 - Not to exceed stormwater benchmark values.

Considered Modifications to Tentative WDRs

- Refine requirements for contaminated soils versus related wastes;
- Prohibit reuse of contaminated soils that exceed disposal limits for unlined landfills;
- Add requirement that Executive Officer can terminate the reuse of any wastes related to a stormwater benchmark exceedance.