

## **6.L Sector L. Landfills and Land Application Sites**

### **6.L.1 Covered Storm Water Discharges**

The requirements in Part 6.L apply to storm water discharges associated with industrial activity from Landfills and Land Application Sites as identified by the Activity Code specified under Sector L in Table 1 of Part 1. You must comply with the Part 6 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities as defined in Part 12. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur.

### **6.L.2 Industrial Activities Covered by Sector L**

This permit may authorize storm water discharges for Sector L facilities associated with:

6.L.2.1 waste disposal at landfills and land application sites that receive or have received industrial waste, including sites subject to regulation under Subtitle D of RCRA. This permit does not cover discharges from landfills that receive only municipal waste. Landfills and land application sites that have been closed and capped, and have no significant materials exposed to storm water, are considered inactive and do not require permits.

### **6.L.3 Limitations on Coverage**

6.L.3.1 *Prohibition of Non-Storm Water Discharges.* (See also Part 1.2.3.1) The following discharges are not authorized by this permit: leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory wastewater, and contact washwater from washing truck and railcar exteriors and surface areas that have come in direct contact with solid waste at the landfill facility.

### **6.L.4 Definitions**

6.L.4.1 *Contaminated storm water* - storm water which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Some areas of a landfill that may produce contaminated storm water include (but are not limited to) the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.

6.L.4.2 *Drained free liquids* - aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.

6.L.4.3 *Landfill wastewater* - as defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewaters associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated storm water, contaminated groundwater, and wastewater from recovery pumping wells. Landfill process wastewater includes, but is not limited to, leachate; gas collection condensate; drained free liquids; laboratory-derived wastewater; contaminated storm water; and contact wash water from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

- 6.L.4.4 *Leachate* - liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.
- 6.L.4.5 *Non-contaminated storm water* - means storm water which does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater. Non-contaminated storm water includes storm water which flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

**6.L.5 Storm Water Pollution Prevention Plan (SWPPP) Requirements**

<b>Table L-1. SECTOR SPECIFIC SWPPP REQUIREMENTS</b>	
<b>Part of Permit Affected</b>	<b>Supplemental Requirements</b> <i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 4 of the MSGP.</i>
4.2.2	<b>6.L.5.1 Drainage Area Site Map.</b> Document in your SWPPP where any of the following may be exposed to precipitation or surface runoff: active and closed landfill cells or trenches, active and closed land application areas, locations where open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, and leachate collection and handling systems.
4.2.3	<b>6.L.5.2 Summary of Potential Pollutant Sources.</b> Document in your SWPPP the following sources and activities that have potential pollutants associated with them: fertilizer, herbicide and pesticide application; earth and soil moving; waste hauling and loading or unloading; outdoor storage of significant materials, including daily, interim and final cover material stockpiles as well as temporary waste storage areas; exposure of active and inactive landfill and land application areas; uncontrolled leachate flows; and failure or leaks from leachate collection and treatment systems.
4.2.9.3	<b>6.L.5.3 Preventative Maintenance Program.</b> As part of your preventive maintenance program, maintain the following; 1) all elements of leachate collection and treatment systems, to prevent commingling of leachate with storm water; 2) the integrity and effectiveness of any intermediate or final cover (including repairing the cover as necessary), to minimize the effects of settlement, sinking and erosion).
<b>6.L.5.4 Inspections</b>	
4.2.6	<b>6.L.5.4.1 Inspections of Active Sites:</b> Inspect operating landfills, open dumps, and land application sites at least once every 7 days. Focus on areas of landfills that have not yet been finally stabilized, active land application areas, areas used for storage of material and wastes that are exposed to precipitation, stabilization and structural control measures; leachate collection and treatment systems; and locations where equipment and waste trucks enter and exit the site. Ensure that sediment and erosion control measures are operating properly. For stabilized sites and areas where land application has been completed, conduct inspections at least once every month.

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4.2.6	<b>6.L.5.4.2 Inspections of Inactive Sites:</b> Inspect inactive landfills, open dumps, and land application sites at least quarterly. Qualified personnel must inspect landfill (or open dump) stabilization and structural erosion control measures, leachate collection and treatment systems, and all closed land application areas.
N/A	<b>6.L.5.5 Record Keeping and Internal Reporting:</b> Keep records with your SWPPP of the types of wastes disposed of in each cell or trench of a landfill or open dump. For land application sites, track the types and quantities of wastes applied in specific areas.
4.4.1	<b>6.L.5.6 Unauthorized Discharge Test Certification:</b> (See also Part 4.4.1) The discharge test and certification must also be conducted for the presence of leachate and vehicle washwater.
4.2.9.5	<b>6.L.5.7 Erosion and Sedimentation Control.</b> Provide temporary stabilization (e.g., temporary seeding, mulching, and placing geotextiles on the inactive portions of stockpiles) for the following: materials stockpiled for daily, intermediate and final cover; inactive areas of the landfill or open dump; landfills or open dump areas that have gotten final covers but where vegetation has yet to establish itself; and land application sites where application has been completed but final vegetation has not yet been established.

**6.L.6 Numeric Limitations, Monitoring and Reporting Requirements (See also Part 5)**

<b>Table L-2. SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS and BENCHMARK MONITORING</b>			
<b>Part of Permit Affected/Supplemental Requirements</b>			
<i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP.</i>			
<b>Subsector (You may be subject to requirements for more than one sector/subsector.)</b>	<b>Parameter</b>	<b>Benchmark Monitoring Concentration<sup>1</sup></b>	<b>Numeric Limitation</b>
All Landfill and Land Application Sites (Industrial Activity Code "LF")	Total Suspended Solids (TSS)	100 mg/L	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max <sup>2</sup>
	Oil & Grease	---	15 mg/L, daily max <sup>2</sup>
All Landfill and Land Application Sites, except Municipal Solid Waste Landfill (MSWLF) Areas Closed in Accordance with 40 CFR 258.60 (Industrial Activity Code "LF")	Total Iron	1.0 mg/L	---
	Total Organic Carbon (TOC)	---	50 mg/L, daily max <sup>2</sup>
	Oil & Grease	---	15 mg/L, daily max <sup>2</sup>
Discharges from non-hazardous waste landfills subject to effluent limitations incorporated at LAC 33:IX.4903 - 40 CFR Part 445 Subpart B (Industrial Activity Code "LF")	Biochemical Oxygen Demand (BOD <sub>5</sub> )	---	140 mg/L, daily max <sup>3</sup>
			37 mg/L, monthly avg. max <sup>3</sup>
	Total Suspended Solids (TSS)	---	88 mg/L, daily max <sup>3</sup>
			27 mg/L, monthly avg. max <sup>3</sup>
	Ammonia	---	10 mg/L, daily max <sup>3</sup>
			4.9 mg/L, monthly avg. max <sup>3</sup>
	Total Zinc	---	0.20 mg/L, daily max <sup>3</sup>
			0.11 mg/L, monthly avg. max <sup>3</sup>

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<b>Subsector</b> <b>(You may be subject to requirements for more than one sector/subsector.)</b>	<b>Parameter</b>	<b>Benchmark Monitoring Concentration<sup>1</sup></b>	<b>Numeric Limitation</b>
Discharges from non-hazardous waste landfills subject to effluent limitations incorporated at LAC 33:IX.4903 - 40 CFR Part 445 Subpart B (Industrial Activity Code "LF")	Alpha Terpineol	---	0.033 mg/L, daily max <sup>3</sup>
			0.016 mg/L, monthly avg. max <sup>3</sup>
	Benzoic Acid	---	0.12 mg/L, daily max <sup>3</sup>
			0.071 mg/L, monthly avg. max <sup>3</sup>
	P-Cresol	--	0.025 mg/L, daily max <sup>3</sup>
			0.014 mg/L, monthly avg. max <sup>3</sup>
	Phenol	---	0.026 mg/L, daily max <sup>3</sup>
			0.015 mg/L, monthly avg. max <sup>3</sup>
	pH	---	Within the range of 6-9 standard pH units (s.u.) <sup>3</sup>
	Total Organic Carbon (TOC)	---	50 mg/L, daily max <sup>2</sup>
Oil & Grease	---	15 mg/L, daily max <sup>2</sup>	

<sup>1</sup> These Benchmark Monitoring Concentrations apply to storm water discharges associated with industrial activity other than contaminated storm water discharges from landfills subject to the numeric effluent limitations set forth in Table L-2. Monitor once/quarter for the year 2 and year 4 monitoring years (See Part 5.4.2 for possible year 4 monitoring waiver).

<sup>2</sup> The discharge from this permitted outfall shall not exceed a Daily Maximum of 50 mg/L Total Organic Carbon (TOC), 100mg/L Chemical Oxygen Demand (COD), or 15 mg/L Oil and Grease. **Unless required by Part 5.10 of this permit, analytical sampling and analysis of these parameters on a regular basis are not required.**

<sup>3</sup> As set forth at LAC 33:IX.4903 (40 CFR Part 445 Subpart B), these numeric limitations apply to contaminated storm water discharges from MSWLFs which have not been closed in accordance with 40 CFR 258.60, and contaminated storm water discharges from those landfills which are subject to the provisions of 40 CFR Part 257 **except for discharges from any facilities described in (a) through (d) below**. Monitoring for the specified parameters is required once/year during each year of the term of the permit.

(a) landfills operated in conjunction with other industrial or commercial operations if the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;

(b) landfills operated in conjunction with other industrial or commercial operations **when** the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill **and also** receives other wastes –

i) provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in LAC 33:IX.4903 (40 CFR Chapter 1, Subchapter N) as the industrial or commercial operation; or

ii) that the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;

(c) landfills operated in conjunction with Centralized Waste Treatment (CWT) facility subject to LAC 33:IX.4903 (40 CFR Part 437), so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or

(d) landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities, so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.