

6.K Sector K. Hazardous Waste Treatment, Storage, or Disposal Facilities

6.K.1 Covered Storm Water Discharges

The requirements in Part 6.K apply to storm water discharges associated with industrial activity from Hazardous Waste Treatment, Storage, or Disposal Facilities (TSDFs) as identified by the Activity Code specified in Table 1 of Part 1 of this MSGP for Sector K facilities. 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.K.2 Industrial Activities Covered by Sector K

This permit authorizes storm water discharges for facilities subject to Sector K associated with:

- 6.K.2.1 industrial activity from facilities that treat, store or dispose of hazardous wastes, including those that are operating under interim status or a permit under subtitle C of RCRA.

Disposal facilities that have been properly closed and capped, and have no significant materials exposed to storm water, are considered inactive and do not require permits.

6.K.3 Limitations on Coverage

Coverage is limited to Hazardous Waste Treatment Storage or Disposal Facilities (TSDFs) that are self-generating or handle only residential wastes and to those facilities that only store hazardous wastes and do not treat or dispose of those waste materials. Coverage is also available to facilities that occasionally accept wastes from community household hazardous waste collection events as a public service. Prohibited from coverage under this sector are those commercial hazardous wastes disposal and treatment facilities that dispose and treat on a commercial basis any produced hazardous wastes (not their own) as a service to generators. Coverage under this permit is not available to commercial hazardous waste disposal and treatment facilities located in Louisiana that dispose and treat on a commercial basis any produced hazardous wastes (not their own) as a service to generators. Disposal facilities that have been properly closed and capped do not need coverage under an LPDES permit.

- 6.K.3.1 *Prohibition of Storm Water Discharges:* Not authorized under this permit: cell dewatering wastewaters from active, uncapped cells at Hazardous Waste TSDF's. (Note: runoff from capped and closed cells is authorized.)
- 6.K.3.2 *Prohibition of Non-Storm Water Discharges:* (See also Part 1.2.1.1.9) The following are not authorized by this permit: leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory-derived 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.K.4 Definitions

- 6.K.4.1 *Contaminated storm water* - storm water that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 6.K.4.5. Some specific 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 have been in direct contact with the waste; and waste dumping areas.
- 6.K.4.2 *Drained free liquids* - aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.
- 6.K.4.3 *Land treatment facility* - a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.
- 6.K.4.4 *Landfill* - an area of land or an excavation in which wastes are placed for permanent disposal, but that is not a land application or a land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, salt bed formation, an underground mine, or a cave as these terms are defined in 40 CFR 257.2, 258.2 and 260.10.
- 6.K.4.5 *Landfill wastewater* - as defined in 49 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 wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated storm water, and contact washwater from washing truck, equipment, and railcar exteriors, and surface areas which have come in direct contact with solid waste at the landfill facility.
- 6.K.4.6 *Leachate* - liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.
- 6.K.4.7 *Non-contaminated storm water* - storm water that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 6.K.4.5. Non-contaminated storm water includes storm water that flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.
- 6.K.4.8 *Pile* - any non-containerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage and that is not a containment building.
- 6.K.4.9 *Surface impoundment* - a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds, and lagoons.

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

Table K-1. SECTOR-SPECIFIC NUMERIC EFFLUENT LIMITATIONS and BENCHMARK AND COMPLIANCE MONITORING			
Part of Permit Affected/Supplemental Requirements			
<i>Note: In addition to the following requirements, you must also comply with the requirements listed in Part 5 of the MSGP.</i>			
Subsector (You may be subject to requirements for more than one sector/subsector.)	Parameter	Benchmark Monitoring Concentration¹	Numeric Limitation²
ALL – Industrial Activity Code “HZ”. Benchmarks only applicable to discharges not subject to effluent limitations in 40 CFR Part 445 Subpart A (see below).	Ammonia	2.14 mg/L	---
	Total Magnesium	0.064 mg/L	---
	Chemical Oxygen Demand (COD)	120 mg/L	---
	Total Arsenic	0.15 mg/L	---
	Total Cadmium ³	Hardness Dependent	---
	Total Cyanide	0.022 mg/L	---
	Total Lead ³	Hardness Dependent	---
	Total Mercury	0.0014 mg/L	---
	Total Selenium	0.005 mg/L	---
	Total Silver ³	Hardness Dependent	---
	Total Organic Carbon (TOC)	---	50.0 mg/L, daily max.
	Oil & Grease	---	15.0 mg/L, daily max.

¹ These Benchmark Monitoring Concentrations apply to storm water discharges associated with industrial activity other than contaminated storm water discharges from landfills as defined above in Part 6.K.4.1.4. Monitor once/quarter for the year 2 and year 4 monitoring years (See part 5.4.2 for possible year 4 waiver).

² 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.**

³ The benchmark values of some metals are dependent on water hardness. For these parameters, permittees must determine the hardness of the receiving water (see Addendum E, “Calculating Hardness in Receiving Waters for Hardness Dependent Metals,” for methodology), in accordance with Part 5.4, to identify the applicable “hardness range” for determining their benchmark value applicable to their facility. The ranges occur in 25 mg/L increments. Hardness Dependent Benchmarks follow in the table below:

Water Hardness Range	Cadmium (mg/L)	Lead (mg/L)	Silver (mg/L)
0-25 mg/L	0.0005	0.014	0.0007
25-50 mg/L	0.0008	0.023	0.0007
50-75 mg/L	0.0013	0.045	0.0017
75-100 mg/L	0.0018	0.069	0.0030
100-125 mg/L	0.0023	0.095	0.0046
125-150 mg/L	0.0029	0.122	0.0065
150-175 mg/L	0.0034	0.151	0.0087
175-200 mg/L	0.0039	0.182	0.0112
200-225 mg/L	0.0045	0.213	0.0138
225-250 mg/L	0.0050	0.246	0.0168
250+ mg/L	0.0053	0.262	0.0183

6.K.6 Effluent Limitations Based on Effluent Limitations Guidelines (See also Part 5.10.1 of the permit)

Table 6.K-2¹		
Industrial Activity	Parameter	Effluent Limit
Discharges from hazardous waste landfills subject to effluent limitations in 40 CFR Part 445 Subpart A (see footnote)	Biochemical Oxygen Demand (BOD ₅)	220 mg/L, daily max
		56 mg/L, monthly avg. max
	Total Suspended Solids (TSS)	88 mg/L, daily max
		27 mg/L, monthly avg. max
	Ammonia	10 mg/L, daily max
		4.9 mg/L, monthly avg. max
	Alpha Terpineol	0.042 mg/L, daily max
		0.019 mg/L, monthly avg. max
	Aniline	0.024 mg/L, daily max
		0.015 mg/L, monthly avg. max
	Benzoic Acid	0.119 mg/L, daily max
		0.073 mg/L, monthly avg. max
	Naphthalene	0.059 mg/L, daily max
		0.022 mg/L, monthly avg. max
	p-Cresol	0.024 mg/L, daily max
		0.015 mg/L, monthly avg. max
	Phenol	0.048 mg/L, daily maximum
		0.029 mg/L, monthly avg. max
	Pyridine	0.072 mg/L, daily max
		0.025 mg/L, monthly avg. max
Total Arsenic	1.1 mg/L, daily max	
	0.54 mg/L, monthly avg. max	
Total Chromium	1.1 mg/L, daily max	
	0.46 mg/L, monthly avg. max	
Total Zinc	0.535 mg/L, daily max	
	0.296 mg/L, monthly avg. max	
pH	Within the range 6.0-9.0 pH s.u.	

¹ Monitor annually. As set forth at 40 CFR Part 445 Subpart A, these numeric limitations apply to contaminated storm water discharges from hazardous waste landfills subject to the provisions of RCRA Subtitle C at 40 CFR Parts 264 (Subpart N) and 265 (Subpart N) except for any of the following facilities:

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

(b) landfills operated in conjunction with other industrial or commercial operations when the landfill both: i) receives wastes generated by the industrial or commercial operation directly associated with the landfill and ii) also receives other wastes provided that **either** these other wastes 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 associated industrial or commercial operation, **or** the other wastes received are of similar nature to the wastes generated by the associated

industrial or commercial operation;

(c) landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to LAC 33:IX.4903 (40 CFR Part 437) if 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.