## Part 8 – Sector-Specific Requirements for Industrial Activity

### Subpart K – Sector K – Hazardous Waste Treatment, Storage, or Disposal Facilities.

You shall comply with Part 8 sector-specific requirements associated with your primary industrial activity and any co-located industrial activities, as defined in Appendix A. The sector-specific requirements apply to those areas of your facility where those sector-specific activities occur. These sector-specific requirements are in addition to any requirements specified elsewhere in this permit.

### 8.K.1 Covered Stormwater Discharges.

The requirements in Subpart 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 under Sector K in Table D-1 of Appendix D of the permit.

### 8.K.2 Industrial Activities Covered by Sector K.

This permit authorizes stormwater discharges associated with 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 stormwater, are considered inactive and do not require permits.

### 8.K.3 Limitations on Coverage.

8.K.3.1 *Prohibition of Non-Stormwater Discharges.* (See also Part 1.1.4) 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.

8.K.3.2 *Limitations on Coverage for Facilities with Active Landfills.* Facilities with active landfills cannot obtain coverage under this permit.

### 8.K.4 Definitions.

8.K.4.1 *Contaminated Stormwater* - Stormwater that comes into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 8.K.4.5. Some specific areas of a landfill that may produce contaminated stormwater 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.

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

8.K.4.3 *Landfill* - an area of land or an excavation in which wastes are placed for permanent disposal, but that is not a land application or land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, salt bed formation, underground mine, or cave as these terms are defined in 40 CFR 257.2, 258.2, and 260.10.

8.K.4.4 *Landfill wastewater* - as defined in 40 CFR Part 445 (Landfills Point Source Category), all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated stormwater, 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 that have come in direct contact with solid waste at the landfill facility.

8.K.4.5 *Leachate* - liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.

8.K.4.6 *Non-contaminated stormwater* - stormwater that does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in Part 8.K.4.4. Non-contaminated stormwater includes stormwater that flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.

### 8.K.5 Sector-Specific Benchmarks. (See also Part 6 of the permit.)

Table 8.K-1 identifies benchmarks that apply to the specific subsectors of Sector K. These benchmarks apply to both your primary industrial activity and any co-located industrial activities, which describe your site activities.

**Table 8.K-1.**

| Subsector (You may be subject to requirements for more than one sector/subsector) | Parameter | Benchmark Monitoring Concentration |
|---|---|---|
| **Subsector K1**. 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 | 3.1 mg/L |
| | Total Magnesium | 0.064 mg/L |
| | Chemical Oxygen Demand (COD) | 120 mg/L |
| | Total Arsenic | 340 ug/L |
| | Total Cadmium[1] | Hardness Dependent |
| | Total Cyanide | 0.022 mg/ L |
| | Total Lead[1] | Hardness Dependent |
| | Total Mercury | 1700 ng/L |
| | Total Selenium | 5 ug/L |
| | Total Silver[1] | Hardness Dependent |

[1] The benchmark values of some metals are dependent on water hardness. For these parameters, permittees shall determine the hardness of the receiving water (see Appendix J, "Calculating Hardness in Receiving Waters for Hardness Dependent Metals," for methodology), in accordance with Part 6.2.1.1, 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** (ug/L) | **Lead** (ug/L) | **Silver** (ug/L) |
|---|---|---|---|
| 0-25 mg/L | 0.9 | 21 | 0.1 |
| 25-50 mg/L | 1.5 | 35 | 0.3 |
| 50-75 mg/L | 2.7 | 67 | 0.7 |
| 75-100 mg/L | 3.9 | 103 | 1.3 |
| 100-125 mg/L | 5.2 | 142 | 2.0 |
| 125-150 mg/L | 6.5 | 184 | 2.8 |
| 150-175 mg/L | 7.8 | 227 | 3.7 |
| 175-200 mg/L | 9.2 | 272 | 4.7 |
| 200-225 mg/L | 10.6 | 320 | 5.8 |
| 225-250 mg/L | 12.0 | 368 | 7.1 |
| 250-275 mg/L | 13.4 | 418 | 8.4 |
| 275-300 mg/L | 14.9 | 470 | 9.8 |
| 300-325 mg/L | 16.3 | 522 | 11.3 |
| 325-350 mg/L | 17.8 | 576 | 12.9 |
| 350-375 mg/L | 19.3 | 631 | 14.6 |
| 375-400 mg/L | 20.8 | 687 | 16.4 |
| 400+ mg/L | 21.6 | 715 | 17.3 |