construction sand and gravel, industrial sand, and crushed stone mine facilities located in Region VI and Region IX are eligible for coverage under today's permit. Such discharges, however, are subject to the numeric limitations and compliance monitoring provisions listed in the permit.

This section is applicable to all phases of mining operations, whether active or inactive, as long as there is exposure to significant materials. This includes land disturbance activities such as the expansion of current extraction sites, active and inactive mining stages, and reclamation activities.

This section does not apply to storm water discharges from inactive mining operations occurring on Federal lands, unless an operator can be identified. These discharges are more appropriately covered under a permit currently being developed by EPA.

When an industrial facility, described by the above coverage provisions of this section, has industrial activities being conducted onsite that meet the description(s) of industrial activities in another section(s), that industrial facility shall comply with any and all applicable monitoring and pollution prevention plan requirements of the other section(s) in addition to all applicable requirements in this section. The monitoring and pollution prevention plan terms and conditions of this multi-sector permit are additive for industrial activities being conducted at the same industrial facility (co-located industrial activities). The operator of the facility shall determine which other monitoring and pollution prevention

plan section(s) of this permit (if any) are applicable to the facility.

There are typically three phases to a mining operation: the exploration and construction phase; the active phase; and the reclamation phase. The exploration and construction phase entails exploration and a certain amount of land disturbance to determine the financial viability of a site. Construction includes building of site access roads, and removal of overburden and waste rock to expose minable ore. These landdisturbing activities are significant potential sources of storm water contaminants. The active phase includes each step from extraction through production of a saleable product. The active phase may include periods of inactivity due to the seasonal nature of these mineral mining activities. The final phase of reclamation is intended to return the land to its pre-mining state.

Because of the land-disturbing nature of the mineral mining and processing industry, contaminants of concern generated by industrial activities in this industry include total suspended solids (TSS), total dissolved solids (TDS), turbidity, and pH. Table J–1 lists potential pollutant source activities, and related pollutants associated with mineral mining and processing facilities.

Industrial activities, significant materials, and material management practices associated with mineral mining and processing methods are typically similar, varying only in the type of rock being mined. Examples of mineral commodities obtained from mineral mining and processing facilities

include: crushed stone; construction sand and gravel; industrial sand; gypsum; asphaltic minerals; asbestos and wollastonite; lightweight aggregates; mica and sericite; barite; fluorspar; salines from brine lakes; borax minerals; potash; sodium sulfate; trona; rock salt; phosphate rock; frasch sulfur; mineral pigments; lithium; bentonite; magnesite; diatomite; jade; novaculite; fire clay; attapulite and montmorillonite; kyanite; shale and common clay; aplite; tripoli; kaolin; ball clay; feldspar; talc, steatite, soapstone and pyrophylite; garnet; and graphite.

Industrial activities include, "\* \* \* but [are] not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process wastewaters (as defined at 40 CFR Part 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials and intermediate and finished materials; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water" (40 CFR 122.26(b)(14)). The most common industrial activities at mineral mine sites include extraction of the mineral, material sizing by crushers, material sorting, and product washing.

TABLE J-1.—ACTIVITIES, POLLUTANT SOURCES, AND POLLUTANTS

Activity	Pollutant source	Pollutant
Site Preparation	Road Construction	Dust, TSS, TDS, turbidity.
•	Removal of Overburden	Dust, TSS, TDS, turbidity.
	Removal of waste rock to expose the mineral body	Dust, TSS, TDS, turbidity.
Mineral Extraction	Blasting activities	Dust, TSS.
Mineral Processing Activities	Rock Sorting	Dust, TSS, TDS, turbidity, fines.
_	Rock Crushing	Dust, TSS, TDS, turbidity, fines.
	Rock Washing	TSS, TDS, turbidity, pH.
	Raw Material Storage	Dust, TSS, TDS, turbidity.
	Waste Rock Storage	Dust, TSS, TDS, turbidity, pH.
	Raw Material Loading	Dust, TSS, TDS, turbidity.
	Processing materials unloading	Diesel fuel, gasoline, oil, lime.
	Raw or Waste Material Transportation	Dust, TSS, TDS, turbidity.
Other Activities	Sedimentation pond upsets	TSS, TDS, turbidity, pH.
	Sedimentation pond sludge removal and disposal	Dust, TSS, TDS, turbidity, pH.
	Air emission control cleaning	Dust, TSS, TDS, turbidity.
Equipment/Vehicle Mainte- nance.	Fueling activities	Diesel fuel, gasoline, oil.
	Parts cleaning	Solvents, oil, heavy metals, acid/alkaline wastes.
	Waste disposal of oily rags, oil and gas filters, bat-	Oil, heavy metals, solvents, acids.
	teries, coolants, degreasers.	
	Fluid replacement including hydraulic fluid, oil, trans-	Oil, arsenic, lead, cadmium, chromium, benzene, TCA,
	mission fluid, radiator fluids, and grease.	TCE, PAHs, solvents.
Reclamation Activities	Site preparation for stabilization	Dust, TSS, TDS, turbidity.