

US EPA ARCHIVE DOCUMENT

**SUMMARY OF MINERAL PROCESSING FACILITIES  
PRODUCING HAZARDOUS WASTE STREAMS**

**APPENDIX B**

Mineral Commodities	Facility Names	Facility Locations	Mining and MP Facility Collocated	Comments	Generates one of the Special 20 Wastes
Alumina & Aluminum	Alcan Aluminum Corp.	Henderson, KY	no	Processing	No
	ALCOA	Newburgh, IN	no	Processing	No
	ALCOA	Massena, NY	no	Processing	No
	ALCOA	Badin, NC	no	Processing	No
	ALCOA	Alcoa, TN	no	Processing	No
	ALCOA	Rockdale, TX	no	Processing	No
	ALCOA	Wenatchee, WA	no	Processing	No
	ALUMAX	Mt. Holly, SC	no	Processing	No
	Columbia Aluminum Corp.	Goldendale, WA	no	Processing	No
	Columbia Falls Aluminum Corp.	Columbia Falls, MT	no	Processing	No
	Eastico	Frederick, MD	no	Processing	No
	Intalco Aluminum Corp.	Ferndale, WA	no	Processing	No
	Kaiser Aluminum Corp.	Spokane, WA	no	Processing	No
	Kaiser Aluminum Corp.	Tacoma, WA	no	Processing	No
	National South Wire	Hawesville, KY	no	Processing	No
	Noranda Aluminum	New Madrid, MO	no	Processing	No
	Northwest Alloys Inc.	The Dalles, OR	no	Processing	No
	Ormet	Hannibal, OH	no	Processing	No

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<b>Aluminum (continued)</b>	Ravenswood Aluminum Corp.	Ravenswood, WV	no	Processing	No
	Reynolds	Massena, NY	no	Processing	No
	Reynolds	Troutdale, OR	no	Processing	No
	Reynolds	Longview, WA	no	Processing	No
	Venalco	Vancouver, WA	no	Processing	No
<b>Antimony</b>	Amspec Chemical Corp	Gloucester, NJ	no	Processing	No
	Anzon, Inc.	Laredo, TX	no	Processing	No
	ASARCO Inc.	Omaha, NE	no	Processing	No
	Laurel Ind.	LaPorte, TX	no	Processing	No
	Sunshine Mining Company	Kellogg, ID	yes	Processing	no
	US Antimony Corp.	Thompson Falls, MT	no	Processing	no
<b>Beryllium</b>	Brush Wellman	Delta, UT	yes	mining, produces Be(OH) <sub>2</sub>	no
	Brush Wellman	Elmore, OH	no	Secondary ore processing of Be Metal and Alloys	no
	NGK Metals	Revere, PA	no	Secondary ore processing of Be Metal	no
<b>Bismuth</b>	ASARCO	Omaha, NE	no	Processing	yes
<b>Cadmium</b>	ASARCO	Denver, CO	no	Processing	no
	Big River Zinc Corp.	Sauget, IL	no	Processing	no
	Jersey Miniere Zinc Corp	Clarksville, TN	yes (Gordonsville)	Processing	no
	ZCA	Bartlesville, OK	no	Processing	no
<b>Calcium Metal</b>	Pfizer Chem (Quigley Company)	Canaan, CT	no	Processing	no
<b>Coal gas</b>	Great Plains Coal Gasification Plant, Dakota Gasification Co.	Beulah, ND	yes	Synthetic Gas produced	yes Gasifer Ash, Process Wastewater

April 15, 1997

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<b>Copper</b>	ASARCO	El Paso, TX	no	Smelting	Yes. Slag, slag tailings and/or calcium sulfate sludge
	ASARCO	Amarillo, TX	no	Electrolytic Refining	Yes. Slag, slag tailings and/or calcium sulfate sludge
	ASARCO	Hayden, AZ	yes	Mining, Smelting and Electrowinning	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Copper Range	White Pine, MI	yes	Mining, Smelting & Refining	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Cyprus	Claypool, AZ	yes	Mining, Smelting, Refining, & Electrowinning	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Kennecott	Garfield, UT	yes	Mining, Smelting and Refining	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Magma (BHP)	San Manuel, AZ	yes	Mining, Smelting, Refining, and Electrowinning	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Phelps Dodge	Playas, NM	no	Smelting only	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Phelps Dodge	El Paso, TX	no	Refining only	Yes. Slag, slag tailings and/or calcium sulfate sludge
	Phelps Dodge	Hurley, NM	yes	Mining, Smelting and Electrowinning (same as Chino Mines)	Yes. Slag, slag tailings and/or calcium sulfate sludge
<b>Elemental Phosphorous</b>	FMC	Pocatello, ID	yes	Processing	Yes. Slag
	Monsanto	Soda Springs, ID	yes	Processing	Yes. Slag
<b>Germanium</b>	Atomergic Chem	Plainview, NY	no	Processing	no
	Cabot	Revere, PA	no	Processing	no
	Eagle-Picher	Quapaw, OK	no	Processing	no

Mineral Commodities	Facility Names	Facility Locations	Mining and MP Facility Collocated	Comments	Generates one of the Special 20 Wastes
<b>Germanium (continued)</b>	Musto Exploration (inactive)	St. George, UT	yes	Mining and Refining	no
<b>Fluorospar and Hydrofluoric Acid</b>	Allied Signal	Geismar, LA	no	Processing	Yes. Fluorogypsum and process wastewater
	E.I. duPont	La Port, TX	no	Processing	Yes. Fluorogypsum and process wastewater
	Attochemical, N.A.	Calvert City, KY	no	Processing	Yes. Fluorogypsum and process wastewater
<b>Lead</b>	ASARCO	East Helena, MT	yes	Smelter	Yes. Slag
	ASARCO	Glover, MO	yes	Smelter/Refinery	Yes. Slag
	ASARCO	Omaha, NE	no	Refinery	Yes. Slag
	Doe Run Co.	Herculaneum, MO	yes	Smelter/Refinery	Yes. Slag
<b>Magnesium</b>	Dow Chemical Co.	Freeport, TX	yes	MgCl from seawater, Mg metal processing, magnesia processing	no
	Magnesium Corp. of America	Salt Lake City, UT	yes	Mg metal processing from lake brines	Yes. Process wastewater
	Northwest Alloys Inc.	Addy, WA	no	Mg metal processing	no
<b>Mercury</b>	Barrick Mecur Gold Mines, Inc.	Toole, UT	yes	Mining and Retorting	no
	FMC Gold Co.	Humboldt, NV	yes	Mining	no
	FMC Gold Co.	Gabbs, NV	yes	Mining	no
	Homestake Mining Co.	Napa, CA	yes	Mining, leaching	no
	Independence Mining Co. Inc.	Elko, NV	yes	Mining	no
	Newmont Gold Co.	Eureka, NV	yes	Mining	no
	Placer Dome U.S.	East Ely, NV	yes	Mining	no

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<b>Molybdenum, Ferro molybdenum and Ammonium Molybdate</b>	Cyprus-Climax-Henderson	Empire, CO	yes	Mining and Processing	no
	Cyprus-Climax	Fort Madison, IA	no	Processing	no
	Cyprus-Climax	Cold Water, MI	no	Processing, possibly phased out	no
	Cyprus-Climax- Green Valley	Tucson, AZ	no	Processing	no
	Kennecott	Bingham Canyon, UT	yes	Processing	copper slag, slag tailings, WWTP sludge
	Montana Resources Inc.	Butte, MT	yes	Processing	no
	Phelps Dodge	Hurley, NM	yes	Processing	no
	San Manuel	San Manuel, AZ	yes	Processing	no
	San Manuel	Morenci, AZ	yes	Processing	no
	Thompson Creek	Challis, ID	yes	Processing	no
	Thompson Creek	Langeloth, PA	no	Processing	no
<b>Platinum Group Metals</b>	ASARCO Inc.	Amarillo, TX	no	Processing	
	Kennecott Corp.	Salt Lake City, UT	yes	Processing	
	Stillwater Mine	Nye, MT	yes	Mining and Smelting	no
<b>Pyrobitumens, Mineral Waxes, and Natural Asphalts</b>	American Gilsonite	Bonaza, UT Uintah County	yes	Production of gilsonite (natural asphalt)	no
	Ziegler Chemical and Mineral Corp.	Vernal, UT Uintah County,	yes	Production of gilsonite (natural asphalt)	no
<b>Rare Earths</b>	Molycorp	Mountain Pass, CA	yes	Mining of Bastnasite	no
<b>Rhenium</b>	Cyprus-Climax	Green Valley, AZ	yes	Recovers and refines rhenium	no
	Cyprus-Climax	Fort Madison, IA	no	Rhenium recovery	no

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<b>Scandium</b>	Baldwin Metals Processing Co.	Phoenix, AZ	no	Processing	no
	Boulder Scientific Co.	Mead, CO	no	Refining	no
	Interpro (subsidiary of Concord Trading Corp.)	Golden, CO	no	Refining	no
	Materials Preparation Center	Ames, IA	no	Processing	no
	Rhone-Poulenc, Inc.	Phoenix, AZ	no	Processing	no
	APL Engineered Materials	Urbana, IL	no	Refining	no
	Sausville Chemical Co.	Garfield, NJ	no	Refining	no
<b>Selenium</b>	ASARCO	Amarillo, TX	no	Processing	no
	Kennecott	Garfield, UT	yes	Processing	yes
	Phelps Dodge	El Paso, TX	no	Processing	no
<b>Synthetic Rutile</b>	Kerr-McGee Chemical Corp.	Mobile, AL	no	Processing	no
<b>Tantalum, Columbium and Ferrocolumbium</b>	Cabot Corp.	Boyertown, PA	no	Cb and Ta pentoxide/metal, FeCb, Ta capacitor powder	no
	Shieldalloy Metallurgical Corp.	Newfield, NJ	no	FeCb	no
<b>Tellurium</b>	ASARCO	Amarillo, TX	no	Processing	no
	Kennecott Corp.	Garfield, UT	yes	Mining, Smelting and Refining	Yes. Slag, slag tailings and/or calcium sulfate sludge

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Titanium and Titanium Dioxide	E.I. duPont de Nemours & Co. Inc.	Antioch, CA	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	E.I. duPont	Edgemoor, DE	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	E.I. duPont	New Johnsonville, TN	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	E.I. duPont	Pass Christian, MS	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	Kemira, Inc.	Savannah, GA	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	Kerr-McGee Chemical Corp.	Hamilton, MS	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	Kronos, Inc.	Lake Charles, LA	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	SCM Chemicals, Inc.	Ashtabula, OH	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
	SCM Chemicals, Inc.	Baltimore, MD	no	TiO <sub>2</sub> Production	Yes. Chloride process waste solids
Tungsten	Buffalo Tungsten	Depew, NY	no	Processing	no
	General Electric	Euclid, OH	no	Processing	no
	OSRAM Sylvania, Inc.	Towanda, PA	no	Processing	no
	Kennametal	Fallon, NV	100-150 miles to Humboldt and Starlight mine	Processing	no
	Kennametal	LaTrobe, PA	no	Processing	no
	Teledyne Advance Materials	Huntsville, AL	no	Processing	no
Uranium	no facilities listed				



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<b>Zinc</b>	Big River Zinc Corp.	Sauget, IL	no	Smelter (electrolytic)	no
	Jersey Miniere Zinc Co.	Clarksville, TN	yes	Smelter (electrolytic)	no
	Zinc Corp. of America	Monaco, PA	no	Smelter (pyrometallurgical)	Yes. Slag
<b>Zirconium and Hafnium</b>	Teledyne	Albany, OR	no	Processing	no
	Western Zirconium	Ogden, UT	no	Processing	no