

This chapter presents an index to the examples in Chapter 2. Each example (cited by example number rather than by page number) is referenced by key words that describe the recycled material, the recycling process, the processes that generate and/or use the recycled material, or the industry of interest.

The user can consult this index to locate examples similar to the practice of interest, based on the key words provided.

Acetone

Reclamation - Spent Material 22

Acetylene Gas

Use/Reuse - By-Product 1

Acid Digested Coal Ash

Reclamation - By-Product 11

Acid Etching Solution

Other - Non-Secondary Material 7

Other - Non-Hazardous Secondary Material 3

Other - Non-Hazardous Secondary Material 4

Reclamation - Spent Material 13

Use Constituting Disposal - Spent Material 1

Acid, Spent

Reclamation - Spent Material 11

Activated Carbon Adsorption

(See Carbon adsorption)

Addition to Water
 Use/Reuse - By-Product 1
 Use/Reuse - Spent Material 2
 Use/Reuse - Sludge 3

Adhesive Thinner
 Reclamation - Spent Material 27

Adsorptive Bubble Technique
 Reclamation - By-Product 11

Air Emission Control Dust
 Use/Reuse - Sludge 3

Alcohol
 Reclamation - Spent Material 26

Alcohols, Heavy
 Energy Recovery - Spent Material 3
 Energy Recovery - By-Product 3
 Energy Recovery - Mixed Material 1

Aluminum
 Reclamation - By-Product 11
 Reclamation - Spent Material 15
 Reclamation - Spent Material 16
 Reclamation - Spent Material 17

Aluminum Production
 Use/Reuse - Spent Material 4

Aluminum Sulfate
 Reclamation - Spent Material 15
 Reclamation - Spent Material 16
 Reclamation - Spent Material 17

Aluminum Trichloride
 Reclamation - Spent Material 8

Amorphous Polypropylene Residues
 Other - Non-Hazardous Secondary Material 6
 Other - Non-Hazardous Secondary Material 7
 Other - Non-Secondary Material 13
 Use Constituting Disposal - By-Product 4

Arsenic Compounds
Reclamation - Spent Material 12

Asphalt
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Secondary Material 13
Use Constituting Disposal - By-Product 4

Assembly of Chain Saws
Reclamation - Spent Material 27

Assembly of String Trimmers
Reclamation - Spent Material 27

Automobile Shredder Rejects
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 3

Bag Filter Materials
Use/Reuse - Sludge 5

Baghouse Dust
Reclamation - Sludge 7
Use/Reuse - Sludge 8

Basic Organic Chemicals
Energy Recovery - Spent Material 2

Battery Crackers
Reclamation - Spent Material 1
Reclamation - Spent Material 2

Battery Manufacturing
Reclamation - By-Product 10
Reclamation - Scrap Metal 2
Reclamation - Spent Material 3

Benzyl Chloride
Reclamation - By-Product 3

Berms
Other - Non-Hazardous Secondary Material 2
Use Constituting Disposal - Sludge 1

Blast Furnace

Energy Recovery - By-Product 1
Energy Recovery - By-Product 2
Use/Reuse - Sludge 6
Use/Reuse - Sludge 7

Blending

Other - Non-Secondary Material 13
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Use Constituting Disposal - By-Product 4

Brass

Reclamation - Sludge 7

Brass Dross Skimmings

Reclamation - By-Product 1
Use Constituting Disposal - By-Product 1
Use Constituting Disposal - By-Product 2
Use Constituting Disposal - By-Product 3

Brass Mill

Other - Non-Secondary Material 6
Reclamation - Sludge 7
Reclamation - Spent Material 11

Brass Production

Other - Non-Secondary Material 6
Reclamation - Sludge 7
Reclamation - Spent Material 11

Bright Dipping

Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17

Briquetting

Use/Reuse - Sludge 8

By-Product

(See Listed By-Product or Characteristic By-Product)

By-Product Recovery

Reclamation - Sludge 8

Cadmium

Reclamation - Sludge 8
Use Constituting Disposal - Sludge 6

Carbon

Energy Recovery - By-Product 1
Energy Recovery - By-Product 2

Carbon Adsorption

Other - Non-Secondary Material 8
Reclamation - Spent Material 5
Reclamation - Spent Material 9
Reclamation - Spent Material 18
Reclamation - Spent Material 19
Reclamation - Spent Material 20

Carbon Tetrachloride

Other - Non-Secondary Material 10
Reclamation - By-Product 8
Use/Reuse - By-Product 2

Catalysts

Other - Non-Hazardous Secondary Material 9
Reclamation - Spent Material 8
Use/Reuse - Spent Material 4
Use/Reuse - Spent Material 5

Catholyte

Other - Non-Hazardous Secondary Material 8
Reclamation - Spent Material 25

Chain Saw Assembly

Reclamation - Spent Material 27

Characteristic By-Product

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Secondary Material 10
Other - Non-Secondary Material 13
Reclamation - By-Product 1
Reclamation - By-Product 4
Reclamation - By-Product 7
Reclamation - By-Product 8

Characteristic By-Product, continued

- Reclamation - By-Product 9
- Reclamation - By-Product 10
- Reclamation - By-Product 11
- Use Constituting Disposal - By-Product 1
- Use Constituting Disposal - By-Product 2
- Use Constituting Disposal - By-Product 3
- Use Constituting Disposal - By-Product 4
- Use/Reuse - By-Product 1
- Use/Reuse - Sludge 7

Characteristic Scrap Metal

- Reclamation - Scrap Metal 1
- Reclamation - Scrap Metal 2
- Reclamation - Scrap Metal 3

Characteristic Sludge

- Other - Non-Hazardous Secondary Material 2
- Reclamation - Sludge 4
- Reclamation - Sludge 5
- Reclamation - Sludge 7
- Reclamation - Sludge 8
- Reclamation - Sludge 10
- Reclamation - Sludge 11
- Use Constituting Disposal - Sludge 1
- Use Constituting Disposal - Sludge 2
- Use Constituting Disposal - Sludge 3
- Use Constituting Disposal - Sludge 4
- Use Constituting Disposal - Sludge 5
- Use Constituting Disposal - Sludge 6
- Use/Reuse - Sludge 2
- Use/Reuse - Sludge 3
- Use/Reuse - Sludge 4
- Use/Reuse - Sludge 6
- Use/Reuse - Sludge 8

Characteristic Spent Material

- Energy Recovery - By-Product 3
- Energy Recovery - Mixed Material 1
- Energy Recovery - Spent Material 1
- Energy Recovery - Spent Material 3
- Other - Non-Hazardous Secondary Material 3
- Other - Non-Hazardous Secondary Material 4
- Other - Non-Hazardous Secondary Material 8
- Other - Non-Secondary Material 6
- Other - Non-Secondary Material 7

Characteristic Spent Material (continued)

Other - Non-Secondary Material 14
Other - Spent Material 1
Other - Spent Material 2
Other - Spent Material 3
Other - Spent Material 4
Reclamation - Spent Material 1
Reclamation - Spent Material 2
Reclamation - Spent Material 3
Reclamation - Spent Material 6
Reclamation - Spent Material 8
Reclamation - Spent Material 11
Reclamation - Spent Material 13
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17
Reclamation - Spent Material 23
Reclamation - Spent Material 25
Reclamation - Spent Material 26
Use Constituting Disposal - Non-Hazardous Secondary Material 1
Use Constituting Disposal - Spent Material 1
Use Constituting Disposal - Spent Material 2
Use/Reuse - Spent Material 3
Use/Reuse - Spent Material 4
Use/Reuse - Spent Material 5
Use/Reuse - Spent Material 6
Use/Reuse - Spent Material 7
Use/Reuse - Spent Material 8

Chemical Manufacturing

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3
Other - Non-Hazardous Secondary Material 2
Other - Non-Hazardous Secondary Material 9
Reclamation - Spent Material 8
Reclamation - By-Product 3
Reclamation - By-Product 4
Use Constituting Disposal - Sludge 1
Use/Reuse - Spent Material 4
Use/Reuse - Spent Material 5

Chloralkali Sludges

Reclamation - By-Product 6

Chloride

Reclamation - By-Product 3
Reclamation - By-Product 4

Chlorinated Organic Solvents

Use/Reuse - Spent Material 8

Chlorination

Other - Non-Secondary Material 10
Reclamation - By-Product 8

Chlorine

Reclamation - By-Product 3
Reclamation - By-Product 4

Chlorine Production

Reclamation - By-Product 5

Chloromethanes

Other - Non-Secondary Material 10
Reclamation - By-Product 8

Chlorinated Hydrocarbon Waste

Reclamation - By-Product 5

Chromic Acid

Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Spent Material 4

Chromium

Other - Non-Hazardous Secondary Material 8
Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - By-Product 11
Reclamation - Sludge 3
Reclamation - Spent Material 4
Reclamation - Spent Material 25

Chromium Hydroxide

Use/Reuse - Sludge 1

Chromium Sulfate

Use/Reuse - Sludge 1

Circuit Boards
 Other - Non-Secondary Material 4

Cleaning
 Other - Non-Secondary Material 11
 Reclamation - Spent Material 22

Closed Loop Process
 Use/Reuse - Sludge 2
 Use/Reuse - Spent Material 3
 Use/Reuse - Sludge 4
 Use/Reuse - Sludge 5
 Use/Reuse - Sludge 6
 Use/Reuse - Sludge 7
 Use/Reuse - Sludge 8

Coal
 Energy Recovery - By-Product 1
 Energy Recovery - By-Product 2

Coal Ash
 Reclamation - By-Product 11

Coated Fabric Production
 Other - Non-Secondary Material 11

Cobalt
 Reclamation - By-Product 11

Coke
 Energy Recovery - By-Product 1
 Energy Recovery - By-Product 2
 Energy Recovery - By-Product 4

Collection
 Use/Reuse - Sludge 8

Column Bottoms
 Other - Non-Secondary Material 2
 Other - Non-Secondary Material 5
 Reclamation - By-Product 2

Commercial Chemical Product
 Other - Non-Secondary Material 15
 Reclamation - Spent Material 24

Commercial Conditioning Agent
Other - Spent Material 4

Commercial Product Substitute
(See substitute for commercial product)

Computer Manufacturing
Reclamation - Sludge 9

Concentrate
Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Concentration
Other - Non-Secondary Material 14
Reclamation - Spent Material 7
Reclamation - Spent Material 23

Condensate
Reclamation - By-Product 7

Condensation
Reclamation - By-Product 6
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17

Continued Use of Material
Other - Non-Secondary Material 1
Other - Non-Secondary Material 3
Other - Non-Secondary Material 4

Converter
Use/Reuse - Sludge 4

Copper
Other - Non-Secondary Material 6
Other - Non-Secondary Material 14
Reclamation - By-Product 1
Reclamation - By-Product 11
Reclamation - By-Product 18
Reclamation - Sludge 9
Reclamation - Sludge 10
Reclamation - Spent Material 23
Use Constituting Disposal - Sludge 6
Use/Reuse - Spent Material 3

Copper Electroplating
 Other - Non-Secondary Material 14
 Reclamation - Spent Material 23

Copper Production
 Use/Reuse - Spent Material 3
 Use/Reuse - Sludge 4

Cyanide Plating Bath
 Other - Non-Secondary Material 8
 Reclamation - Spent Material 19
 Reclamation - Spent Material 20

Decanter Tank Tar Sludge
 Energy Recovery - By-Product 1
 Energy Recovery - By-Product 2
 Energy Recovery - By-Product 4

Decanting
 Reclamation - Spent Material 5

Decolorization Operations
 Reclamation - Spent Material 12

Degreasing
 Other - Non-Hazardous Secondary Material 6
 Other - Non-Hazardous Secondary Material 7
 Other - Non-Secondary Material 13
 Reclamation - Spent Material 21
 Use Constituting Disposal - By-Product 4

Demisting
 Reclamation - By-Product 6

Dewatering
 Reclamation - By-Product 6
 Reclamation - Sludge 9

Diaphragm Cell Process
 Reclamation - By-Product 5

Diluents
 Reclamation - Spent Material 18

Distillate

Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Distillation

Energy Recovery - Spent Material 1
Other - Non-Secondary Material 10
Reclamation - By-Product 3
Reclamation - By-Product 4
Reclamation - By-Product 7
Reclamation - By-Product 8
Reclamation - By-Product 11
Reclamation - By-Product 16
Reclamation - Sludge 4
Reclamation - Spent Material 10
Reclamation - Spent Material 21
Reclamation - Spent Material 22
Reclamation - Spent Material 26

Distillation Bottoms

Use/Reuse - By-Product 2

Distillation Residue

Energy Recovery - Spent Material 1

Dredging

Energy Recovery - Non-Secondary Material 1

Dross Furnace

Use/Reuse - Sludge 2

Dross Skimmings

Reclamation - By-Product 1
Use Constituting Disposal - By-Product 1
Use Constituting Disposal - By-Product 2
Use Constituting Disposal - By-Product 3

Dusts, Blast Furnace

Use/Reuse - Sludge 7

Electrolytes

Reclamation - Spent Material 3

Electrolytic Stripping

Reclamation - Sludge 11

Electronics Manufacturing
 Reclamation - Sludge 9

Electroplating
 Other - Non-Secondary Material 8
 Other - Non-Secondary Material 14
 Reclamation - Sludge 8
 Reclamation - Spent Material 19
 Reclamation - Spent Material 20
 Reclamation - Spent Material 23

Electroplating Sludge
 Reclamation - Sludge 9

Electrostatic Precipitator Ash
 Reclamation - Sludge 11

Emission Control Dust
 Reclamation - Sludge 5
 Reclamation - Sludge 8
 Use/Reuse - Sludge 2
 Use/Reuse - Sludge 4
 Use/Reuse - Sludge 6

Equipment Washing
 Other - Non-Secondary Material 11

Etchants
 Other - Non-Hazardous Secondary Material 8
 Reclamation - Spent Material 25

Etching Solution
 Use/Reuse - Spent Material 6

Ethyl Alcohol
 Energy Recovery - Spent Material 1
 Reclamation - Spent Material 6

Evaporation
 Other - Non-Secondary Material 8
 Other - Non-Secondary Material 14
 Reclamation - Spent Material 7
 Reclamation - Spent Material 15
 Reclamation - Spent Material 16
 Reclamation - Spent Material 17
 Reclamation - Spent Material 19

Evaporation, continued

Reclamation - Spent Material 20
Reclamation - Spent Material 23
Use/Reuse - Spent Material 6

Excluded

Other - Spent Material 1
Other - Spent Material 2
• Other - Spent Material 3

Exempt

Energy Recovery - By-Product 2
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 2
Reclamation - Scrap Metal 3
Reclamation - Sludge 2
Reclamation - Spent Material 1
Reclamation - Spent Material 3
Reclamation - Spent Material 6
Use Constituting Disposal - Sludge 4

Explosives

Reclamation - Sludge 6

F001 Waste

Reclamation - Spent Material 5

F001-F005 Wastes

Reclamation - Spent Material 9
Reclamation - Spent Material 21

F002 Waste

Reclamation - Spent Material 10

F003 Waste

Reclamation - Spent Material 22

F005 Waste

Other - Non-Secondary Material 11
Reclamation - Spent Material 27

F006 Waste

Reclamation - Sludge 2
Reclamation - Sludge 9
Use/Reuse - Sludge 1

F007 Waste
 Other - Non-Secondary Material 8
 Other - Non-Secondary Material 9
 Other - Non-Secondary Material 12
 Reclamation - Spent Material 4
 Reclamation - Sludge 3
 Reclamation - Spent Material 19
 Reclamation - Spent Material 20

F021 Waste
 Use/Reuse - Sludge 5

Ferric Chloride
 Reclamation - Spent Material 7

Ferrous Chloride
 Reclamation - Spent Material 7

Fertilizer
 Other - Non-Hazardous Secondary Material 2
 Other - Non-Hazardous Secondary Material 3
 Other - Non-Hazardous Secondary Material 4
 Reclamation - By-Product 1
 Use Constituting Disposal - By-Product 1
 Use Constituting Disposal - By-Product 2
 Use Constituting Disposal - By-Product 3
 Use Constituting Disposal - Non-Hazardous Secondary Material 1
 Use Constituting Disposal - Sludge 1
 Use Constituting Disposal - Sludge 2
 Use Constituting Disposal - Sludge 3
 Use Constituting Disposal - Sludge 4
 Use Constituting Disposal - Sludge 5
 Use Constituting Disposal - Sludge 6
 Use Constituting Disposal - Spent Material 1
 Use Constituting Disposal - Spent Material 2

Filter Press Sludge
 Other - Non-Hazardous Secondary Material 5

Filtration
 Use/Reuse - Spent Material 6

Flue Dusts
Reclamation - Sludge 10
Use Constituting Disposal - Sludge 2
Use Constituting Disposal - Sludge 3
Use Constituting Disposal - Sludge 4
Use Constituting Disposal - Sludge 5

Flue Gas
Reclamation - Sludge 11

Fluoridating Agent
Use/Reuse - Sludge 3

Food-Grade Phosphoric Acid
Use/Reuse - Spent Material 5

Friedel Krafts Catalyst
Use/Reuse - Spent Material 4

Fuel
Energy Recovery - By-Product 4

Further Reclamation
Other - Non-Secondary Material 15
Reclamation - Spent Material 24

Galvanized Metals
Reclamation - Sludge 10
Reclamation - Sludge 11

Gold
Reclamation - Sludge 2

Graphic Arts Industry
Reclamation - Spent Material 18

Graphite Anodes
Reclamation - By-Product 5

Greases
Reclamation - Spent Material 21

Halogenated Solvents
Reclamation - Spent Material 10

Heavy Alcohols

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3

Heavy Ends

Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Reclamation - By-Product 2

Heavy Metals

Use Constituting Disposal - Sludge 6

Heavy Residuals

Energy Recovery - By-Product 3
Energy Recovery - Spent Material 3

Herbicides

Reclamation - Sludge 4

Hexachlorobenzene

Other - Non-Secondary Material 10
Reclamation - By-Product 8

Hexachlorobutadiene

Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Other - Non-Secondary Material 10
Reclamation - By-Product 2
Reclamation - By-Product 8

Hydrocarbon Waste

Reclamation - By-Product 5

Hydrocarbons

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3

Hydrochloric Acid

Reclamation - By-Product 3
Reclamation - By-Product 4
Use/Reuse - Spent Material 8

Hydrofluoric Acid

Use/Reuse - Spent Material 6

Hydrofluorosilicic Acid
Use/Reuse - Sludge 3

Incinerator
Reclamation - Sludge 11

Industrial Boiler
Energy Recovery - Spent Material 2

Industrial Ethyl Alcohol
Energy Recovery - Spent Material 1
Reclamation - Spent Material 6

Ingredient
Use/Reuse - By-Product 2
Use/Reuse - Sludge 1
Use/Reuse - Spent Material 6
Use/Reuse - Spent Material 7

Inherently Waste-Like
Use/Reuse - Sludge 5

Inks
Reclamation - Spent Material 18

Integrated Circuits
Reclamation - By-Product 10

Ion Exchange
Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Sludge 4
Reclamation - Spent Material 4
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17

Iridium
Reclamation - Sludge 2

Iron
Reclamation - By-Product 11

Iron Oxide
Use/Reuse - Spent Material 7

Isopropyl Alcohol
Reclamation - Spent Material 26

K014 Waste
Reclamation - By-Product 3

K016 Waste
Use/Reuse - By-Product 2

K030 Waste
Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Reclamation - By-Product 2

K045 Waste
Reclamation - Sludge 6

K047 Waste
Use/Reuse - Spent Material 1

K061 Waste
Use/Reuse - Sludge 6
Use/Reuse - Sludge 8

K062 Waste
Other - Non-Secondary Material 6
Reclamation - Spent Material 7
Reclamation - Spent Material 11
Reclamation - Spent Material 14
Use/Reuse - Spent Material 2

K071 Waste
Reclamation - By-Product 6

K073 Waste
Reclamation - By-Product 5

K086 Waste
Reclamation - Spent Material 18

K087 Waste

Energy Recovery - By-Product 1
Energy Recovery - By-Product 2
Energy Recovery - By-Product 4

K102 Waste

Reclamation - Spent Material 12

Ketones

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3

Kieselguhr Clay

Use/Reuse - Spent Material 5

Landfill Cover Material

Other - Non-Hazardous Secondary Material 2
Use Constituting Disposal - Sludge 1

Lanolin

Reclamation - Spent Material 21

Lead

Reclamation - By-Product 5
Reclamation - By-Product 10
Reclamation - By-Product 11
Reclamation - Spent Material 1
Reclamation - Spent Material 2
Use Constituting Disposal - Sludge 6

Lead Acid-Batteries

Reclamation - By-Product 10

Leather Tanning

Use/Reuse - Sludge 1

Levees

Other - Non-Hazardous Secondary Material 2
Use Constituting Disposal - Sludge 1

Lime

Use/Reuse - By Product 1

Liquid-Liquid Extraction
Reclamation - Spent Material 14

Listed
(See numerical listing, e.g., K062)

Listed By-Product
Energy Recovery - By-Product 1
Energy Recovery - By-Product 2
Energy Recovery - By-Product 4
Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Reclamation - By-Product 2
Reclamation - By-Product 3
Reclamation - By-Product 5
Reclamation - By-Product 6
Use/Reuse - By-Product 2

Listed Sludge
Other - Non-Secondary Material 12
Reclamation - Sludge 1
Reclamation - Sludge 2
Reclamation - Sludge 3
Reclamation - Sludge 6
Reclamation - Sludge 9
Reclamation - Spent Material 4
Use/Reuse - Sludge 1
Use/Reuse - Sludge 5

Listed Spent Material
Other - Non-Secondary Material 8
Other - Non-Secondary Material 9
Other - Non-Secondary Material 11
Other - Non-Secondary Material 12
Other - Non-Secondary Material 15
Reclamation - Sludge 3
Reclamation - Spent Material 4
Reclamation - Spent Material 5
Reclamation - Spent Material 7
Reclamation - Spent Material 9
Reclamation - Spent Material 10
Reclamation - Spent Material 11
Reclamation - Spent Material 12
Reclamation - Spent Material 14
Reclamation - Spent Material 18

Listed Spent Material, continued

- Reclamation - Spent Material 19
- Reclamation - Spent Material 20
- Reclamation - Spent Material 21
- Reclamation - Spent Material 22
- Reclamation - Spent Material 24
- Reclamation - Spent Material 27
- Use/Reuse - Spent Material 1
- Use/Reuse - Spent Material 2

Magnesium Casting

- Reclamation - Spent Material 27

Manganese

- Reclamation - By-Product 11

Marine Fuel

- Energy Recovery - By-Product 3
- Energy Recovery - Mixed Material 1
- Energy Recovery - Spent Material 3

Mercury

- Reclamation - By-Product 6

Metal Cations

- Reclamation - By-Product 11

Metal degreasers

- Other - Non-Secondary Material 4

Metal Finishing

- Other - Non-Secondary Material 9
- Other - Non-Secondary Material 12
- Reclamation - Sludge 2
- Reclamation - Sludge 3
- Reclamation - Sludge 8
- Reclamation - Spent Material 4
- Use Constituting Disposal - Non-Hazardous Secondary Material 1
- Use Constituting Disposal - Spent Material 2
- Use/Reuse - Sludge 1

Metal Refining

- Use Constituting Disposal - Sludge 2
- Use Constituting Disposal - Sludge 3
- Use Constituting Disposal - Sludge 4
- Use Constituting Disposal - Sludge 5

Metallurgical Industries

Use/Reuse - Spent Material 6

Metals

Other - Non-Hazardous Secondary Material 8

Reclamation - By-Product 1

Reclamation - Spent Material 25

Use Constituting Disposal - Sludge 1

Metals, Galvanized

Reclamation - Sludge 10

Reclamation - Sludge 11

Metals, Heavy

Use Constituting Disposal - Sludge 6

Metals, Non-Ferrous Mixed

Reclamation - Scrap Metal 1

Reclamation - Scrap Metal 3

Metals, Unspecified

Other - Non-Hazardous Secondary Material 2

Reclamation - Sludge 9

Methanol

Other - Non-Secondary Material 15

Reclamation - Sludge 4

Reclamation - Spent Material 24

Methyl Ethyl Ketone

Other - Non-Secondary Material 17

Reclamation - Spent Material 27

Methylene Chloride

Reclamation - By-Product 9

Reclamation - Spent Material 10

Use/Reuse - Spent Material 8

Mixed Metals

Reclamation - Scrap Metal 1

Reclamation - Scrap Metal 3

Mixing

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3

Motor Oil Production

Other - Spent Material 1

Municipal Incinerator

Reclamation - Sludge 11

Municipal Wastewater Treatment Sludge

Use Constituting Disposal - Sludge 6

Natural Gas Transmission

Energy Recovery - Non-Secondary Material 1

Neutralization

Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Spent Material 4
Reclamation - Spent Material 7

Nickel

Reclamation - By-Product 11
Use Constituting Disposal - Sludge 6

Nickel Tube

Other - Non-Secondary Material 10
Reclamation - By-Product 8

Nitric Acid

Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17

Non-Beneficial Use

Other - Spent Material 4

Non-Magnetic Shredder Rejects

Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 3

Non-Ferrous Mixed Metals
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 3

Oils
Reclamation - Spent Material 26

Olefin Polymerization Catalyst
Use/Reuse - Spent Material 5

Oleum
Other - Spent Material 1

Organic Chemicals Manufacturing
Energy Recovery - Spent Material 2

Organic Intermediates
Energy Recovery - Spent Material 2

Organic Solvents
Use/Reuse - Spent Material 8

Organo-Arsenic Compounds
Reclamation - Spent Material 12

Organo-Tin Manufacturing
Other - Non-Hazardous Secondary Material 5

Osmium
Reclamation - Sludge 2

Oxides
Reclamation - By-Product 1
Reclamation - Spent Material 1
Reclamation - Spent Material 2
Use Constituting Disposal - By-Product 1
Use Constituting Disposal - By-Product 2
Use Constituting Disposal - By-Product 3

Paint Manufacture
Other - Non-Secondary Material 7
Reclamation - Spent Material 13

Palladium
Reclamation - Sludge 2

Paper Industry
Use/Reuse - Spent Material 1

Pentachlorophenol
Use/Reuse - Sludge 5

Perchloroethylene
Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Reclamation - By-Product 2

Perfumes
Reclamation - Spent Material 26

Petroleum Fractionalization
Use/Reuse - Spent Material 5

Petroleum Refining
Reclamation - By-Product 7

pH Adjustment
Reclamation - By-Product 11

Pharmaceutical Manufacturing
Other - Non-Secondary Material 15
Reclamation - Spent Material 24

Phenol
Reclamation - By-Product 7

Phenoxy Herbicides
Reclamation - Sludge 4

Phosphoric Acid
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17
Use/Reuse - Spent Material 5

Pickle Liquor
Other - Non-Secondary Material 6
Reclamation - Spent Material 7
Reclamation - Spent Material 14
Use/Reuse - Spent Material 2
Use/Reuse - Spent Material 8

Pickling
Reclamation - Spent Material 14
Use/Reuse - Spent Material 8

Pink/Red Water
Use/Reuse - Spent Material 1

Pipeline Condensate
Energy Recovery - Non-Secondary Material 1

Plasticizers
Energy Recovery - Spent Material 2

Plating Bath
Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Other - Non-Secondary Material 14
Reclamation - Sludge 3
Reclamation - Spent Material 4
Reclamation - Spent Material 23

Plating Bath Rinsewaters
Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Platinum
Reclamation - Sludge 2

Platinum Catalysts
Other - Non-Hazardous Secondary Material 9

Pollution Control
Reclamation - Sludge 4

Polymeric Residues
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Secondary Material 13
Use Constituting Disposal - By-Product 4

Polypropylene
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Secondary Material 13
Use Constituting Disposal - By-Product 4

Polyurethane Waste
Reclamation - By-Product 9

Potassium Fluoride
Use/Reuse - Spent Material 6

Potassium Hydroxide
Use/Reuse - Spent Material 6

Precious Metals
Reclamation - Sludge 2

Preservative
Use/Reuse - Spent Material 6

Press and Roller Cleanup
Other - Non-Secondary Material 3

Primary Smelting
Reclamation - Sludge 5
Reclamation - Sludge 8
Use/Reuse - Sludge 2

Printed Circuit Boards
Reclamation - By-Product 10
Reclamation - Spent Material 9

Printing and Coating Operations
Other - Non-Secondary Material 3

Printing and Publishing Industry
Reclamation - Spent Material 18

Process Water
Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Processor
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Secondary Material 13
Use Constituting Disposal - By-Product 4

Product of Reclamation

Energy Recovery - Spent Material 1
Other - Non-Hazardous Secondary Material 2
Other - Non-Hazardous Secondary Material 3
Other - Non-Hazardous Secondary Material 4
Other - Non-Hazardous Secondary Material 6
Other - Non-Hazardous Secondary Material 7
Other - Non-Hazardous Secondary Material 8
Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Other - Non-Secondary Material 7
Other - Non-Secondary Material 8
Other - Non-Secondary Material 9
Other - Non-Secondary Material 10
Other - Non-Secondary Material 12
Other - Non-Secondary Material 13
Other - Non-Secondary Material 14
Other - Non-Secondary Material 15
Reclamation - Scrap Metal 3
Reclamation - Spent Material 2
Reclamation - Spent Material 16
Reclamation - Spent Material 17
Reclamation - Spent Material 20

Pulping Liquor

Use/Reuse - Spent Material 1
Other - Spent Material 2

Purification

Reclamation - By-Product 5
Reclamation - Spent Material 19
Reclamation - Spent Material 20
Use/Reuse - Spent Material 6

Pyrolitic Plant

Use/Reuse - Sludge 2

Quick Drying

Reclamation - Spent Material 27

Refuse Incineration

Reclamation - Sludge 11

Regeneration

Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Other - Non-Secondary Material 15
Other - Non-Hazardous Secondary Material 8
Other - Non-Hazardous Secondary Material 9
Reclamation - Sludge 1
Reclamation - Sludge 3
Reclamation - Sludge 4
Reclamation - Sludge 6
Reclamation - Spent Material 3
Reclamation - Spent Material 4
Reclamation - Spent Material 5
Reclamation - Spent Material 6
Reclamation - Spent Material 9
Reclamation - Spent Material 10
Reclamation - Spent Material 11
Reclamation - Spent Material 12
Reclamation - Spent Material 14
Reclamation - Spent Material 18
Reclamation - Spent Material 21
Reclamation - Spent Material 22
Reclamation - Spent Material 24
Reclamation - Spent Material 25
Reclamation - Spent Material 26

Residuals, Heavy

Energy Recovery - By-Product 3
Energy Recovery - Mixed Material 1
Energy Recovery - Spent Material 3

Residue from Reclamation

Energy Recovery - Spent Material 1

Resin

Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Sludge 4
Reclamation - Spent Material 4
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17

Reverse Osmosis System

Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Rhodium

Reclamation - Sludge 2

Rinsewaters

Other - Non-Secondary Material 14
Reclamation - Spent Material 23

Rinsing Operations

Other - Non-Secondary Material 8
Reclamation - Spent Material 19
Reclamation - Spent Material 20

Roasting

Reclamation - By-Product 6
Use/Reuse - Sludge 4

Ruthenium

Reclamation - Sludge 2

Scouring Operations

Reclamation - Spent Material 21

Scrap Metal

Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 2
Reclamation - Scrap Metal 3

Secondary Smelting

Other - Non-Hazardous Secondary Material 5
Other - Non-Hazardous Secondary Material 8
Reclamation - By-Product 1
Reclamation - By-Product 5
Reclamation - By-Product 10
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 2
Reclamation - Scrap Metal 3
Reclamation - Sludge 7
Reclamation - Sludge 8
Reclamation - Sludge 10
Reclamation - Spent Material 1
Reclamation - Spent Material 2

Secondary Smelting, continued
Reclamation - Spent Material 25
Use Constituting Disposal - By-Product 1
Use Constituting Disposal - By-Product 2
Use Constituting Disposal - By-Product 3

Segregation
Other - Non-Secondary Material 3

Separation
Reclamation - By-Product 1

Sham Recycling
Other - Spent Material 4

Shredder Rejects
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 3

Silver
Reclamation - Sludge 2

Sintering Plant
Use/Reuse - Sludge 6

Sludge
(See Listed Sludge or Characteristic Sludge)

Smelting
(See Primary Smelting or Secondary Smelting)

Sodium Hydroxide
Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Spent Material 4

Solder Drosses
Reclamation - By-Product 10

Solvents

- Energy Recovery - By-Product 3
- Energy Recovery - Mixed Material 1
- Energy Recovery - Spent Material 2
- Energy Recovery - Spent Material 3
- Other - Non-Hazardous Secondary Material 6
- Other - Non-Hazardous Secondary Material 7
- Other - Non-Secondary Material 4
- Other - Non-Secondary Material 13
- Reclamation - Spent Material 5
- Reclamation - Spent Material 9
- Reclamation - Spent Material 10
- Reclamation - Spent Material 18
- Reclamation - Spent Material 21
- Use Constituting Disposal - By-Product 4
- Use/Reuse - Spent Material 8

Solvent Extraction

- Reclamation - By-Product 7

Spent Activated Carbon

- Reclamation - Sludge 1

Spent Carbon

- Other - Non-Hazardous Secondary Material 1
- Reclamation - Sludge 6
- Reclamation - Spent Material 12

Spent Electrolyte

- Use/Reuse - Spent Material 3

Spent Lead-Acid Batteries

- Reclamation - Spent Material 1
- Reclamation - Spent Material 2
- Use Constituting Disposal - Non-Hazardous Secondary Material 1
- Use Constituting Disposal - Spent Material 2

Spent Material

(See Listed Spent Material or Characteristic Spent Material)

Steam Stripper Condensate

- Reclamation - By-Product 7

Steel

Energy Recovery - By-Product 1
Energy Recovery - By-Product 2
Reclamation - Spent Material 14
Use/Reuse - Sludge 6

Steel Pickling

Use/Reuse - Spent Material 8

Steel Production

Use/Reuse - Sludge 8

Still Bottoms

Reclamation - By-Product 3
Reclamation - By-Product 4

String Trimmer Assembly

Reclamation - Spent Material 27

Substantially Complete Reclamation

Other - Non-Secondary Material 15
Reclamation - Spent Material 24

Substitute for Commercial Product

Use/Reuse - By-Product 1
Use/Reuse - Sludge 3
Use/Reuse - Sludge 8
Use/Reuse - Spent Material 1
Use/Reuse - Spent Material 2
Use/Reuse - Spent Material 8

Substitute for Raw Material

Energy Recovery - By-Product 1
Energy Recovery - By-Product 2

Substrate

Other - Non-Hazardous Secondary Material 8
Reclamation - Spent Material 25

Sulfite

Reclamation - By-Product 11
Use/Reuse - Spent Material 1

Sulfur Dioxide

Other - Spent Material 3

Sulfuric Acid

Other - Non-Hazardous Secondary Material 8
Other - Spent Material 1
Other - Spent Material 3
Other - Spent Material 4
Reclamation - Spent Material 15
Reclamation - Spent Material 16
Reclamation - Spent Material 17
Reclamation - Spent Material 25
Use Constituting Disposal - Non-Hazardous Secondary Material 1
Use Constituting Disposal - Spent Material 2
Use/Reuse - Sludge 1
Use/Reuse - Spent Material 7

Surface Finishing

Other - Non-Hazardous Secondary Material 8
Reclamation - Spent Material 25

Synthetic Rubber

Other - Non-Secondary Material 11

TNT Production

Use/Reuse - Spent Material 1

Tank House

Use/Reuse - Sludge 4

Tetrachloroethylene

Use/Reuse - By-Product 2

Thinner

Other - Non-Secondary Material 3

Thinner, Adhesive

Reclamation - Spent Material 27

Tin

Other - Non-Secondary Material 18

Toluene

Other - Non-Secondary Material 3
Reclamation - Spent Material 5

Torpedo

Other - Non-Secondary Material 1

Treatment

Other - Non-Secondary Material 9
Other - Non-Secondary Material 12
Reclamation - Sludge 3
Reclamation - Spent Material 4

Trivalent Chromium

Other - Non-Hazardous Secondary Material 8
Reclamation - Spent Material 25

Unreacted Raw Material

Other - Non-Secondary Material 1

Unused Propulsion Fuel

Other - Non-Secondary Material 1

Used Batteries

Reclamation - Spent Material 3

Vanadium

Reclamation - By-Product 11
Reclamation - Spent Material 8

Vanadium Trichloride

Reclamation - Spent Material 8

Veterinary Pharmaceuticals

Reclamation - Spent Material 12

Volatile Materials

Other - Non-Secondary Material 2
Other - Non-Secondary Material 5
Reclamation - By-Product 2

Washing

Other - Non-Secondary Material 11

Waste-Derived Fuel

Energy Recovery - Mixed Material 1

Wastewater

Reclamation - Sludge 6

Wastewater Conditioner
Other - Spent Material 4
Use/Reuse - By-Product 1
Use/Reuse - Spent Material 2

Wastewater Treatment
Reclamation - Sludge 6
Reclamation - Sludge 9

Wastewater Treatment Sludge
Reclamation - Sludge 2
Reclamation - Sludge 6
Reclamation - Sludge 9
Use Constituting Disposal - Sludge 6

Water Elutriator System
Reclamation - Scrap Metal 1
Reclamation - Scrap Metal 3

Water Fluoridating Agent
Use/Reuse - Sludge 3

Wet Process Phosphoric Acid Production
Use/Reuse - Spent Material 5

Wool Industry
Reclamation - Spent Material 21

Ziegler Natta Polymerization Catalyst
Reclamation - Spent Material 8

Zinc
Other - Non-Hazardous Secondary Material 3
Other - Non-Hazardous Secondary Material 4
Other - Non-Secondary Material 7
Other - Non-Secondary Material 14
Reclamation - By-Product 1
Reclamation - By-Product 11
Reclamation - Sludge 5
Reclamation - Sludge 7
Reclamation - Sludge 8
Reclamation - Sludge 10
Reclamation - Sludge 11
Reclamation - Spent Material 13
Reclamation - Spent Material 23
Use Constituting Disposal - Sludge 6

Zinc, continued

Use Constituting Disposal - Spent Material 1

Use/Reuse - Sludge 2

Zinc Electroplating

Other - Non-Secondary Material 14

Reclamation - Spent Material 23