

18 Attachment 1

Township of Richland

Appendix I**Regulated Industrial Subcategories With Associated SIC Codes**

Industry Category	SIC Code
Adhesives and Sealants	2891
Aluminum Forming	
* Rolling with emulsions	3353, 3355
* Rolling with neat oils	3353, 3355
* Extrusion	3354
* Drawing with neat oils	3353, 3355
* Forging	3463
* Drawing with emulsions or soaps	3353, 3355
Coal Mining	
* Coal preparation	1111, 1112, 1211, 1213
* Acid/ferruginous mine drainage	1111, 1112, 1211, 1213
* Alkaline mine drainage	1111, 1112, 1211, 1213
* Areas under reclamation	1111, 1112, 1211, 1213
* Western coal mines	1211, 1213
Coil Coating	
* Steel basis material coating	3479
* Galvanized basis material coating	3479
* Aluminum basis material coating	3479
Copper Forming	
* Hot rolling	3351
* Cold rolling	3351
* Extrusion	3351
* Drawing	3351
* Pickling	3351
* Alkaline cleaning	3351
* Forging	3351

CHAPTER TITLE

Industry Category	SIC Code
* Copper foil production	3497, 3351
Electroplating (Metal Finishing)	3471 & 3479
* Electroplating of common metals	(Some industries within these subcategories may not be subject to regulations)
* Electroplating of precious metals	
* Electroplating of specialty metals	
* Anodizing	
* Coatings	
* Chemical etching & milling	
* Electroless plating	
* Printed circuit board	
* Chemical matching	
* Immersion plating	
* Pickling	
* Bright dipping	
* Alkaline cleaning	
Foundries	
* Iron and steel	3322, 3324, 3325
* Copper	3362
* Aluminum	3361
* Zinc	3369
* Lead	3369
* Magnesium	3369
Inorganic Chemicals	
* Chlorine & Na or K hydroxide	2812
* Hydrofluoric acid production	2819
* Na Bichromate & sulfate production	2819
* Titanium dioxide	2816
* Aluminum fluoride production	2819
* Chrome pigment	2816
* Copper sulfate production	2819
* Hydrogen cyanide production	2819

Industry Category	SIC Code
* Nickel sulfate production	2819
* Sodium bisulfite production	2819
* Sodium silicofluride production	2819
Iron and Steel Manufacturing (BAT sub-categorization scheme)	
* Cokemaking	3312
* Sintering	3312
* Ironmaking	3312
* Steelmaking	3312
* Vacuum degassing	3312
* Continuous casting	3312
* Hot forming	3312, 3315, 3317 ¹
* Scale removal	3312, 3315, 3317 ¹
* Acid pickling	3312, 3315, 3317 ¹
* Cold forming	3316
* Alkaline cleaning	3312, 3315, 3316, 3317 ¹
* Hot coating	3312, 3315, 3317 ¹
Leather Tanning and Finishing	
* Hair pulp unhairing with chrome tanning and finishing	3111
* Hair save unhairing with chrome tanning or finishing	3111
* Unhairing with vegetable or alum tanning and finishing	3111
* Finishing of tanned hides	3111
* Vegetable or chrome tanning of unhaired hides	3111
* Unhairing with chrome tanning and no finishing	3111
* shearing	3111
Metal Finishing/Mechanical Products	Large number of subcategories including: 3411-29; 3432-66; 3482-3599; 3613-23; 3629-39

¹ Mainly zero dischargers

CHAPTER TITLE

Industry Category	SIC Code
Nonferrous Metals Manufacturing	
* Bauxite refining	2819
* Primary aluminum smelting	3334
* Secondary aluminum smelting	3341
* Primary copper smelting	3331
* Primary copper refining	3331
* Secondary copper	3341
* Primary lead	3332
* Primary zinc	3333
* Metallurgical acid plants	3331, 3332, 3333
* Primary columbium tantalum	3339
* Secondary silver – photographic	3341
* Secondary silver – nonphotographic	3341
* Primary tungsten	3339
* secondary lead	3341
Ore Mining and Dressing	
* Bass and Precious Metals (Cu, Pb, Zn, Ag, Au, Pt, Ma)	1021, 1031, 1041, 1044, 1061
* Ferroalloy ores	1061
* Uranium, radium, vanadium ores	1094
* Tungsten ores	1061
* Nickel ores	1061
* Vanadium Ore (non-radioactive)	1094
* Antimony Ore	1099
Organic Chemicals, Plastics and Synthetic Materials	
* Processes with process water, contact as steam diluent quench or vent gas absorbent	2865, 2869
Pesticides Chemicals	
* organic pesticide Mfg.	2869, 2879 ²
* Metallo-Organic pesticides	2869, 2879

² **Low flow or zero discharge**

Industry Category	SIC Code
* Pesticide chemicals formulating	2869, 2879
Petroleum Refining	
* Topping	2911
* Cracking	2911
* Petrochemicals	2911
* Lube	2911
* Integrated	2911
Pharmaceutical Manufacturing	
* Fermentation products	2833, 2831
* Extractions	2831, 2833
* Chemical synthesis products	2833
* Mixing/Compounding – formulation	2834
* Research	2831, 2833, 2834
Plastics and Synthetics	
(Organic Chemicals, Plastics, Synthetic Materials)	
* Polyvinyl chloride	2821
* Polyvinyl acetate	2821
* Polystyrene	2821
* Polypropylene	2821
* Polyethylene	2821
* Cellophane	2821
* Rayon	2823
* ABS and SAN Resin – copolymers	2821
* Polyester	2821
* Nylon 6	2821
* Cellulose acetate	2823
* Acrylics	2821
* Ethylene – vinyl acetate	2821
* Polytetrafluoropethylene	2821
* Polypropylene fiber	2823
* Alkyds & unsaturated polyester resins	2821
* cellulose nitrate	2821

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Industry Category	SIC Code
* Polyamide (nylon 6/12)	2821
* Polyester resins (thermoplastics)	2821
* Silicones	2821
Porcelain Enameling	
* Steel	3631, 3632, 3633, 3639, 3469, 3479, 3431
* Cast iron	Mainly 3631, 3431
* Aluminum	Mainly 3469, 3479, 3631
* Copper	Mainly 3479, limited uses in 3469 and 3631
Pulp, Paper and Paperboard	
* Unbleached kraft	2611
* Sodium based neutral sulfite semi-chemicals	2611
* Ammonia based neutral sulfite semi-chemical	2611
* Unbleached kraft-neutral sulfite semi-chemical	2611
* Paperboard from wastepaper	2631
* Dissolving kraft	2611
* Market bleached kraft	2611
* OCT bleached kraft	2611
* Fine bleached kraft	2611
* Papergrade sulfite	2611, 2621
* Dissolving sulfite pulp	2611
* Groundwood – thermo – mechanical	2611, 2621
* Groundwood – CMN papers	2611, 2621
* Groundwood – fine papers	2611, 2621
* Soda	2611, 2621
* Unbleached kraft & semi-chemical	2611
* Semi-chemical	2611
* Wastepaper – molded products	2646
* Nonintegrated – lightweight paper	2621
* Nonintegrated – filter and nonwoven papers	2621

Industry Category	SIC Code
* Nonintegrated – paperboard	2631
* Deink	2611, 2621
* Nonintegrated fine paper	2621
* Nonintegrated tissue papers	2631
* Tissue from wastepaper	2647
* Papergrade sulfite (drum wash)	2611, 2621
Steam Electric Power Generating	
* Generating unit	4911, 4931
* Small unit	4911, 4931
* Old unit	4911, 4931
* Area runoff	4911, 4931
Textile Industry	
* Wool scouring	2299
* Wool finishing	2231
* Woven fabric finishing	2261, 2262, 2269
* Knit fabric finishing	2251-59
* Carpet mills	2271, 2272, 2279
* Stock and yarn dyeing & finishing	2269
* Nonwoven manufacturing	2297
* Felted fabric processing	2291
Timber Products	
* Wood preserving – boultonizing	2491
* Wood turning and fixtures (with and without water wash spray booths or laundry facilities)	2511, 2512, 2517, 2521, 2531, 2541

Source: Summarized from (1) “Summary of Paragraph 8 Exclusions,” EGD, OWRS, EPA, July, 1981; (2) Standard Industrial Classification Manual, Executive Office of the President, Office of Management and Budget, 1972.

