

ZONING

390 Attachment 4

Township of West Vincent

Appendix D

Commercial, Industrial and Manufacturing Uses Hazardous Waste Generation

Business Category (SIC)*	Hazardous Materials/Wastes/Disposal Practices (if known) Potential Large-Scale Generators
Communications Equipment sludges, Manufacturer (366)	Nitric, hydrochloric, and sulfuric acid wastes, heavy metal copper-contaminated etchant (e.g. ammonium persulfate), cutting oil and degreasing solvent (trichloroethane, Freon, or trichloroethylene), waste oils, corrosive soldering, flux, paint sludge, waste plating solution
Electric and Electronic Equipment Manufacturer (especially circuit boards) (367)	Cyanides, metal sludges, caustics (chromic acid), solvents, oils, alkalis, acids, paints, calcium fluoride sludges, methylene chloride, perchloroethylene, trichloroethane, acetone, methanol, toluene, PCBs, paint sludge
Fabricated Metal Products (344)	Paint wastes, acids, heavy metals, metal sludges, plating wastes, oils, solvents, explosive wastes
Machinery (354) = metal working & machinery (359) = miscellaneous machinery (electrical)	(354) – oils, solvents (359) – metals, miscellaneous organics, sludges, oily metals (except shavings) Tool and die shops: lubricant and cutting oils, degreasers (TCE), metal marking fluids (“bluing”), mold release agents Oils and solvents may be reclaimed in shop or sold to recyclers, scrap metal sold to dealer
Plastic Materials and Synthetics (282) = plastic materials & synthetics (2821) = plastics, synthetic resins, and nonvulcanized elastomers	(282) – solvents, oils, miscellaneous organics (phenols, resins), paint wastes, inorganics, cyanides, acids, alkalis, wastewater treatment sludges (2821) – organic liquid wastes containing acids and alkalis, cellulose esters, surfactants, glycols, phenols, formaldehyde, peroxides, etc. May be treated on-site or hauled to a hazardous waste facility
Primary Metal Industries (3312) = blast furnaces, steelworks, rolling mills	Heavy metal wastewater treatment sludge, pickling liquor, waste oil, ammonia scrubber liquor, acid tar sludge, alkaline cleaners, degreasing solvents, slag, metal dust
Trucking Terminals or Fleet Vehicles	Fuel tanks, repair shop wastes (chemical substances may be (4231) hauled)

Note: Up to four digits are used in the SIC codes; codes that contain only two or three digits represent less specific categories and, therefore should be treated with more caution.

WEST VINCENT CODE

Business Category (SIC)*	Hazardous Materials/Wastes/Disposal Practices (if known) Potential Large-Scale Generators
Printing, Publishing, & Allied Industries (27, 731)	Solvents, inks, dyes, oils, miscellaneous organics, photographic chemicals (note that solvents with ink in them may be collected by solvent recovery firms; ink contains heavy metals and may be returned to ink supplier for recovery and reuse; silver in photographic chemicals is recoverable)
Public Utilities (phone, electric power, gas) (481, 491, 492)	PCB's from transformers and capacitors, oils, solvents, sludges, acid solution, metal plating solutions (chromium, nickel, cadmium)
Sawmills and Planing (2421)	Treated wood residue and containers (use copper quinolate, mercury, sodium bazide to control stains and fungus). (Use tanner gas to prevent lines from freezing. Paint sludges, solvents, creosote, coating and gluing wastes
Stone, Clay and Glass Products (32)	Solvents, oils and grease, alkalis, acetic wastes, asbestos, heavy (metal sludges, phenolic solids or sludges, metal-finishing sludge)
Agriculture (01)	Pesticides (containers and residues), gasoline, motor oil, welding (equipment, etc. for farm machinery)
Auto Repair (7538)	Waste oils, solvents, acids, paint, waste hydraulic fluids, miscellaneous cutting oils
Local & Interurban Passenger Transit (41) Gasoline Services Stations (554)	Waste oil, solvents, miscellaneous wastes, gasoline storage Oils, solvents, miscellaneous wastes (ask if they take back used motor oil and what is done with it)
New and Used Car Dealers (especially those with service departments)	Waste oils, solvents, miscellaneous wastes
Welders (7692)	Oxygen/acetylene tanks
Dry-cleaning (7216)	Solvents: perchloroethylene, petroleum solvents, Freon-1,1,3-used in machines in large quantities, distilled solvent, reused spotting chemicals: trichloroethane, methylchloroform, ammonia, peroxides, hydrochloric acid, rust removers, amyl acetate (Residues from distillation put in garbage)
Landfills, Dumps, & Junkyards	Small quantities of chemical wastes, oils, etc. (ask whether the operation has a policy on hazardous wastes if collected by mistake)
Other (Because of information found in inventory)	

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Business Category (SIC)*	Hazardous Materials/Wastes/Disposal Practices (if known) Potential Large-Scale Generators
Special Construction Trades (1711) = plumbing, heating or air conditioning (1721) = painting, paper hanging, decorating (1742) = plastering, drywall, acoustical insulation (1751) = carpentry (1752) = flooring (1761) = roofing and sheet metal (1795) = wrecking and demolition (1799) = other special construction trades	(1711) – solvents, asbestos, miscellaneous (empty containers, etc.) (1721) – paints, solvents, glues, miscellaneous (1742) – solvents, adhesives, miscellaneous (waste insulation) (1751) – solvents, lacquers (1752) – paint, glues, miscellaneous (1761) – tars, sealants, miscellaneous (1795) – asbestos, miscellaneous chemicals, miscellaneous (1799) – epoxy waste, solvents, asbestos, miscellaneous
Swimming Pool Cleaning & Maintenance (7399)	Free and combined chlorine, bromine, iodine, algacides (mercury-based, copper-based, or quaternary), cyanuric acid, calcium or sodium hypochlorite, muriatic acid, sodium carbonate
Miscellaneous Repair Service	Solvents, acids, alkalis, paint sludges, metals, organics, miscellaneous chemicals
Medical Facilities (8071)	X-ray developers and fixers (fixers and e-ray film contain reclaimable silver) Developer contains glutaldehyde, hydroquinone, phenedone, potassium bromide, sodium sulfite, sodium carbonate. Fixer has thiosulfates and potassium alum. Infectious wastes, radiological wastes, biological wastes, miscellaneous chemicals, disinfectants, asbestos, beryllium, acids (from dentists)
Veterinary Services	Solvents, infectious materials, vaccines, drugs, disinfectants (0742) (quaternary ammonia, hexachlorophene, peroxides, chlorhexadene chlorox) X-ray developers and fixers (fixers and x-ray contain reclaimable silver)
Schools (821)	Solvent, chemicals, pesticides, acids, alkalis, waste oils
Furniture & Furniture Fixtures (Manufacture & Repair) (2512, 7641)	Paints, sludges, solvents, empty containers, degreasing sludges, solvent recovery sludges
Funeral Services and Crematories (7261)	Formaldehyde is the main preservative used. Also use wetting agents, fumigants, solvents
Government Offices (919)	Machinery/vehicle servicing, gasoline or heating oil tanks
Home Heating Oil (5183)	Underground storage tanks, truck maintenance garage
Photo Processing Laboratory	Biosludges, silver sludges, cyanides, miscellaneous sludges

WEST VINCENT CODE

Business Category (SIC)*	Hazardous Materials/Wastes/Disposal Practices (if known) Potential Large-Scale Generators
Apartment and Condominium (6513)	Swimming pool cleaning and maintenance chemicals, landscaping chemicals such as pesticides and fertilizers, on-site sewage treatment plant (hazardous household wastes)
Pharmacies (591)	Spilled and returned products
Hardware Stores (525) & Carpet (5713)	Hazardous chemical products in hardware and parts stores' Stores inventories. Carpet stores use glues and similar adhesives that are hazardous products returned to stores by customers. If forklift is used at lumber, hardware or carpet store, there may be fuel tank or repair shop. Wood products, if stained or treated on-site, require hazardous chemicals (such as creosote)
Construction Materials (521)	Asbestos
Car Washes (7542)	Miscellaneous chemicals, soap, detergents, waxes
Beauty Shops (723) and Barber Shops (724)	Miscellaneous chemicals in rinses, perm solutions, dyes
Sports Shops (5951) and Hobby Shops (5945)	Gun powder and ammunition, rocket engine and model airplane fuel
Country Clubs (7997)	Pesticides, fertilizers, swimming pool chemicals, vehicle maintenance shops
Bowling Alleys (7933)	Epoxy, urethane-based floor finish
Miscellaneous	

Source: Wellhead Protection Tools for Local Government by Horsley Written Hegemann, Inc. and U.S. Environmental Protection Agency, 1989.