

ARTICLE 25 WELL FIELD PROTECTION OVERLAY DISTRICT

25.01 INTENT

The overlay zoning districts may restrict the design, require additional setbacks, or set into place any other restrictions that will meet the district's purpose. (In cases where there is a conflict between the requirements of the overlay district and the underlying zone. The more restrictive regulations apply).

25.02 WELL FIELD PROTECTION OVERLAY DISTRICT

The Well Field Protection District shall be considered an overlay zoning district.

A. Purpose- The Well Field Protection Overlay District is designed to safeguard the public health, safety, and welfare of citizens and institutions that are customers of a public water system by regulating the land use and the storage, handling, use, and protection of regulated substances. The land within the overlay district is described as the land within the unincorporated area of Miami County under the jurisdiction of the Miami County Zoning Resolution which lies within the one-year capture area and accompanying buffer surrounding existing and proposed public or private water well fields. The intent of this designation is to protect the community's potable water supply against contamination.

B. Applicability to Underlying Zoning Districts- The provisions of Section 25.02 inclusive, shall be applicable to all lands shown as being located within the boundaries of the Well Field Protection Overlay District on the zoning map and shall be supplemental to the regulations of the underlying zoning district.

C. Permitted Uses, Bulk and Yard Regulations- The permitted uses, bulk and yard regulations within the Well Field Protection Overlay District shall be those of the underlying zoning district except as defined by Section 25.02 E. Prohibited Uses.

D. Conditional Uses- The following uses are conditional uses within the Well Field Protection Overlay District:

1. The conditional uses within the Well Field Protection Overlay District shall be those of the underlying zoning district, except as specified in Sections 25.02 (D)

2. The excavation, extraction, mining, or processing of sand, gravel, and limestone from the earth for resale shall remain as conditional uses in the Well Field Protection Overlay District subject to Board of Zoning Appeals approval of an excavation and facilities plan that includes, but is not limited to:

- a. An existing site plan with topographic detail at two feet contour intervals, all planimetric information, depth to groundwater and flood plain characteristics where applicable.

- b. The proposed extent and depth of excavation;
- c. Slope angle of excavation walls (any final slopes shall be at the angle of repose for the remaining material);
- d. Use and disposition of the soil and/or overburden materials from the excavations including a landscaping and vegetation plan to stabilize any disturbed material;
- e. Surface drainage plan and surface drainage requirements:
 - (1) Drainage into onsite excavations from proximate off-site transportation facilities such as roadways and roadbeds and off-site watercourses is prohibited unless the applicant provides a plan which otherwise protects the excavations from off-site waterborne regulated substances.
 - (2) The final onsite grading shall minimize all surface drainage in the excavations.
- f. A post-excavation and operation land use plan; and
- g. A security plan (unauthorized access shall be strictly prohibited as long as any excavations remain on site).

E. Prohibited Uses- Sanitary landfills, drywells, landfills comprised of demolition debris or other non-approved matter, and junkyards are prohibited within the Well Field Protection Overlay District.

F. Best Management Practices and Exemptions- To the maximum extent practical, owners and operators within the Well Field Protection Overlay District shall implement best management practices (BMPs) to reduce risk of release and pollution of the environment. BMPs apply to use, storage, and production of regulated substances listed in Section 25.02 (5). BMPs are defined as “schedules of activities, prohibition of practices, maintenance procedures, and other management practices to prevent or reduce the risk of a release”.

- 1. BMPs include, but are not limited to, the following: treatment techniques, operating procedures, and practices to control runoff, spills, and leaks.
- 2. Spill control procedures shall include but are not limited to the following:
 - a. Secondary and tertiary containment systems, including the use of containment during chemical storage, transfer, and use. The system shall be designed to capture 110% of a release from a primary containment unit.
 - b. Adopting standardized spill response protocols and providing training to employees to help insure response protocols are enacted if a spill or release occurs.
 - c. Drums and other types of containers holding regulated substances and wastes of such substances defined as:

1. Chemicals for which there is scientific evidence that acute or chronic health effects may result from exposure including carcinogens, toxic and highly toxic agents, reproductive toxins, irritants, corrosives, sanitizers, hepatotoxins, nephrotoxins, neurotoxins, agents which act on the hematopoietic system and agents which damage the lungs, skin, eyes, or mucous membranes.
 2. Mixtures of chemicals, which have been tested as a whole and have been determined to be a health hazard.
 3. Mixtures of chemicals which have not been tested as a whole but contain any chemical determined to have been a health hazard and comprises one percent (1%) or greater of the composition on a weight per unit weight basis.
 4. Petroleum and nonsolid petroleum derivatives (except non-PCB dielectric fluids).
3. Existing containment systems and procedures shall not be removed, nor shall their ability to contain spills be compromised, so long as regulated substances are stored, transferred or used within the containment areas. Containment systems shall be maintained in good working order. Improvements and/or additions to containment systems may be performed so long as the ability to contain a spill is not compromised. Temporary approved containment systems may be required during maintenance and/or improvement activities.
4. The following types of products and volumes are exempt from BMP requirements within the Well Field Protection Overlay District.
- a. Aggregate of regulated substances. The aggregate of regulated substances in use, storage, handling and/or production may not exceed twenty gallons or 160 pounds at any time.
 - b. Total use of regulated substances. The total use, storage, handling and/or production of regulated substances may not exceed fifty gallons or 400 pounds in any twelve-month period.
 - c. A limited exclusion from the provisions of subsection (a) hereof is authorized for non-routine maintenance or repair of property or equipment. The use, storage, handling and/or production of regulated substances under this exclusion shall be limited to:
 1. Aggregate regulated substances. The aggregate of regulated substances in use, storage, handling and/or production may not exceed fifty gallons or 400 pounds at any time.

2. Total use of regulated substances. The total use, storage, handling and/or production of regulated substances may not exceed 100 gallons or 800 pounds in any twelve-month period.
 3. A limited exclusion from the provisions of subsection (a) hereof is authorized for medical and research laboratory uses, provided, however, that regulated substances shall be stored, handled or used in containers not to exceed five gallons or forty pounds of each substance, and provided, further, that the aggregate inventory of regulated substances shall not exceed 250 gallons or 2,000 pounds.
 4. A limited exclusion from the provisions of subsection (a) hereof is authorized for regulated substances which are cleaning agents, provided, however, that such cleaning agents are packaged for personal or household use or are present in the same form and concentration as a product packaged for use by the general public, and provided, further, that the aggregate inventory of such cleaning agents shall not exceed 100 gallons or 800 pounds at any time. In no case shall regulated substances claimed under this exclusion include hydrocarbon or halogenated hydrocarbon solvents.
 5. With the exception of residential use of heating fuels in tanks having a capacity equal to or less than 500 gallons, the underground storage of fuel and lubricants for vehicle operations and fuel for building and/or process heating in conjunction with permitted and conditional uses in this District shall be in secondarily contained and monitored tanks. Such installations shall be subject to approval by the Administrative Officer.
 6. Notwithstanding other provisions of this Article, nonconforming uses in this District presently utilizing underground storage tanks for fuel and lubricants for vehicle operations and fuel for building and/or process heating shall be permitted to replace existing tanks with those constructed as per the specifications of subsection (e) hereof and not exceeding the capacity of existing tanks. Replacement of underground tanks for regulated substances other than the above noted fuels and lubricants are not permitted.
5. Substances to be regulated, hereinafter referred to as regulated substances, are chemicals and mixtures of chemicals that are health hazards. Regulated substances include:
- a. Chemicals for which there is scientific evidence that acute or chronic health effects may result from exposure including carcinogens, toxic and highly toxic agents, reproductive toxins, irritants, corrosives, sensitizers,

hepatotoxins, nephrotoxins, neurotoxins, agents which act on the hematopoietic system and agents which damage the lungs, skin, eyes, or mucous membranes.

- b. Mixtures of chemicals, which have been tested as a whole and have been, determined to be a health hazard.
- c. Mixtures of chemicals which have not been tested as a whole but contain any chemical determined to have been a health hazard and comprises one percent (1%) or greater of the composition on a weight per unit weight basis.
- d. Petroleum and nonsolid petroleum derivatives (except non-PCB dielectric fields).
- e. New underground storage tanks (USTs) shall be permitted within the Well Field Protection Overlay District so long as said tanks comply with Ohio Administrative Code.

G. Underground Storage Tanks Requirements- New underground storage tanks (USTs) shall be permitted within the Well Field Protection Overlay District so long as said tanks comply with the Ohio Administrative Code 1301:7-9-10 (BUSTR program). Existing USTs are permitted so long as their construction, leak detection and maintenance programs meet all local and state UST rules and regulations.

H. Wastewater Disposal- All uses within this district shall be connected to the public wastewater disposal system within a three (3) year period from the effective date of this article or have a wastewater disposal system approved by the Miami County Health District.

I. Agricultural Chemicals Exempted- The use of agricultural chemicals applied in accordance with best management practices and/or label directions shall not be restricted by the requirements of these regulations.

25.03 REPORTING REGULATED SUBSTANCE SPILLS, LEAKS, OR DISCHARGES

A. Notification Required- Any person with direct knowledge of a spill, leak or discharge of a regulated substance that escapes containment or contacts a pervious ground surface within the Well Field Protection Overlay District and such spill, leak, or discharge is not immediately and completely re-mediated shall give notice to the Miami County Sheriff's Department or 911 Emergency Response Center by telephone within thirty (30) minutes. The notification shall include at minimum, the location of the incident, name and telephone number, date and time thereof, type of substance(s), concentration and volume, and control or corrective action taken. Such notification shall in no way alleviate other local, state, and federal reporting obligations as required by law.

B. Application of Agricultural Chemicals- The application of agricultural chemicals, fertilizers, mineral acids, organic sulfur compounds, etc. used in routine agricultural operations, including plant nutrients and crop protection materials, applied under best management practices as indicated by soil tests, agricultural experts, or label directions approved by the United States EPA or the Ohio Department of Agriculture, shall not be considered a spill, leak, or discharge subject to the reporting provisions of this paragraph.

C. Liability and Required Documentation- Any entity or person who spills, leaks, or discharges said substance(s) shall be liable for any reasonable expense, loss or damages incurred by Miami County in response to such an incident, in addition to the amount of any fines imposed on account of thereof under state and federal law. Said entity or person shall document and maintain sufficient records so as to reflect accurately the circumstances related to any such incident and develop and implement procedures to substantially eliminate the likelihood of reoccurrence of such spills, leaks, or discharges as soon as practical following the incident, but no later than one hundred eighty (180) days after the incident.

D. Falsifying Information- No person shall make any false statement, representation, or certification in any report or other document filed or required to be maintained pursuant to this section.

E. Inspections- Subject to applicable provisions of law, the Zoning Administrator or authorized designee bearing proper identification shall be permitted to enter private property at any reasonable time, with reasonable cause or with prior notification, for such purposes as inspection, observation, measurement, sampling, and records examination pertaining to the requirements of this section. Upon request of the entity which is the subject of the inspection, and if permitted by the state public records law, information obtained as a result of the inspection shall be maintained as confidential. If the owner or tenant does not consent to the entry of the Zoning Administrator, the Zoning Administrator may apply to a court of competent jurisdiction for an appropriate warrant or other authority to enter said property; but no consent is necessary for entry then open to the public or to customers.

F. Technical Consultants- Upon application for a zoning certificate and/or occupancy certificate for a use within these well field operation or overlay districts, the Zoning Administrator may employ such technical expertise as needed to ensure compliance with the provisions of these regulations. All reasonable costs, as determined by Miami County, incurred in the compliance review process shall be passed through to the applicant and shall be in addition to those fees normally charged to review an application for a zoning certificate and/or occupancy certificate.

25.04 EXEMPTION OF REGULATED SUBSTANCES

The Zoning Administrator is authorized to exclude certain regulated substances that pose no threat to ground water, from the provisions of these regulations. Prior to authorizing the exemption of any regulated substance, the Zoning Administrator shall have such request for exemption reviewed by the Board of Zoning Appeals.

25.05 CLEAN CLOSURE REQUIREMENTS

Except in the seasonal discontinuation of operation, the owner or operator of any non-residential property that becomes unoccupied or has discontinued operation for a period of ninety (90) consecutive days shall remove all regulated substances from the property other than those used exclusively for heating, cooling, and providing electrical lighting for the premises within ninety (90) days after the date upon which the property initially became unoccupied or the operation discontinued. Except as noted above, regulated substances that are excluded from reporting requirements shall be removed by the date specified above. The owner or operator shall secure the regulated substances on the property until they have been removed. The owner or operator notify the Miami County Sanitary Engineer in writing of the date the cessation of operation or the property becoming unoccupied no later than the day upon which the operation actually ceases or the property becomes unoccupied, and such notification shall include the owner's name, phone number, and address and the operator's name, phone number, and new address

25.06 HAZARD POTENTIAL RANKING SYSTEM FOR NONCONFORMING USES

Uses using, storing, handling and/or producing regulated substances in amounts equal to or less than the requirements set forth in Section 25.04 are considered conforming uses and this section does not apply. Any new use or change of use shall maintain the conforming status of the property.

In order to assess the risk for groundwater contamination potential for nonconforming uses, a hazard ranking has been developed for various activities categorized by their standard industrial classification (SIC) code. This ranking is based on the kind of materials commonly associated with each use looking only at the most critical hydrologic factors.

Table 1 following the text of this section lists the site hazard potential by land use activity on a scale of one to nine, with one being a low hazard and nine a very high hazard. This rating is based on the intrinsic hazards posed by different land uses and is related to the materials commonly used or stored on the site or the types and amounts of wastes commonly discharged.

Table 2 lists the hazard potential determined on the basis of materials known to be used, stored or disposed of at a specific site.

If the two tables referenced above indicate different site hazard potential ratings for the

SIC-coded land use activity and the materials found on-site, the higher of the two scores is the rating for the site.

TABLE 1
CONTAMINANT HAZARD POTENTIAL RANKING CLASSIFIED BY SOURCE

SIC NUMBER	DESCRIPTION OF WASTE SOURCE	HAZARD POTENTIAL INITIAL RATING
01	AGRICULTURAL PRODUCTION – CROP	1 - 2
02	AGRICULTURAL PRODUCTION - LIVESTOCK	
	021 Livestock, except Dairy, Poultry and Animal Specialties	(5 for Feedlots)
	024 Dairy Farms	4
	025 Poultry and Eggs	4
	027 Animal Specialties	2 - 4
	029 General Farms, Primarily Livestock	2
10	METAL MINING	
	101 Iron Ores	4
	102 Copper Ores	6
	103 Lead and Zinc Ores	5
	104 Gold and Silver Ores	6
	105 Bauxite and Other Aluminum Ores	5
	106 Ferroalloy Ores Except Vanadium	5
	108 Metal Mining Services	4
	1092 Mercury Ore	6
	1094 Uranium-Radium-Vanadium Ores	7
	1099 Metal Ores Not Elsewhere Classified	5
11	ANTHRACITE MINING	7
12	BITUMINOUS COAL AND LIGNITE MINING	7
13	OIL AND GAS EXTRACTION	
	131 Crude Petroleum and Natural Gas	7
	132 Natural Gas Liquids	7
	1381 Drilling Oil and Gas Wells	6

Article 25
Well Field Protection Overlay District

	1382 Oil and Gas Field Exploration Services	1
	1389 Oil and Gas Field Services Not Elsewhere Classified	Variable, Depending On Activity
14	MINING AND QUARRYING OF NON-METALLIC MINERALS, EXCEPT FUELS	
	141 Dimension Stone	2
	142 Crushed and Broken Stone, Including Riprap	2
	144 Sand and Gravel	2
	145 Clay, Ceramic, and Refractory Minerals	2 - 5
	147 Chemical and Fertilizer Mineral Mining	4 - 7
	148 Nonmetallic Minerals Services	1 - 7
	149 Miscellaneous Nonmetallic Minerals, Except Fuels	2 - 5
16	CONSTRUCTION OTHER THAN BUILDING CONSTRUCTION	
	1629 Heavy Construction, Not Elsewhere Classified (Dredging, Especially in Salt Water)	4
20	FOOD AND KINDRED PRODUCTS	
	201 Meat Products	3
	202 Dairy Products	2
	203 Canned and Preserved Fruits And Vegetables	4
	204 Grain Mill Products	2
	205 Bakery Products	2
	206 Sugar and Confectionery Products	2
	207 Fats and Oils	3
	208 Beverages	2- 5
	209 Misc. Food Preparation and Kindred Products	2
22	TEXTLE MILL PRODUCTS, ALL EXCEPT LISTINGS BELOW	
	223 Broad Woven Fabric Mills, Wool (including dyeing and finishing)	6
	226 Dyeing and Finishing Textiles, Except Wool Fabrics and Knit Goods	6
	2295 Coated Fabrics Not Rubberized	6

24	LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE	
	241 Logging Camps and Logging Contractors	2
	242 Sawmills and Planing Mills	2
	2435 Hardwood Veneer and Plywood	4
	2436 Softwood Veneer and Plywood	4
	2439 Structural Wood Members, Not Elsewhere Classified (laminated wood-glue)	3
	2491 Wood Preserving	5
	2492 Particle Board	4
	2499 Wood Products, Not Elsewhere Classified	2 - 5
26	PAPER AND ALLIED PRODUCTS	
	261 Pulp Mills	6
	262 Paper Mills except Building Paper Mills	6
	263 Paperboard Mills	6
28	CHEMICALS AND ALLED PRODUCTS	
	2812 Alkalis and Chlorine	7 - 9
	2813 Industrial Gases	-
	2816 Inorganic Pigments	3 - 8
	2819 Industrial Inorganic Chemicals Not Elsewhere Classified	3 - 9
	2821 Plastic Materials, Synthetic Resins, and Nonvulcanizable Elastomers	6 - 8
	2822 Synthetic Rubber (Vulcanizable Elastomers)	6 - 8
	2823 Cellulose Man-Made Fibers	6 - 8
	2824 Synthetic Organic Fibers, Except Cellulosic	6 - 8
	2831 Biological Products	6 - 9
	2832 Medicinal Chemicals and Botanical Products	3 - 8
	2834 Pharmaceutical Preparations	6 - 9
	2841 Soap and Other Detergents, Except Specialty Cleaners	4 - 6
	2842 Specialty Cleaning, Polishing, And Sanitation Preparation	3 - 8
	2843 Surface Active Agents,	

	Finishing Agents, Sulfonated Oils and Assistants	6 - 8
	2844 Perfumes, Cosmetics, and Other Toilet Preparations	3 - 6
	2851 Paints, Varnishes, Lacquers, Enamels and Allied Products	5 - 8
	2861 Gum and Wood Chemicals	5 - 8
	2865 Cyclic (coal tar) Crudes, and Cyclic Intermediates, Dyes and Organic Pigments (Lakes and Toners)	6 - 9
	2869 Industrial Organic Chemicals Not Elsewhere Listed	3 - 9
	2873 Nitrogenous Fertilizers	7 - 8
	2874 Phosphatic Fertilizer	7 - 8
	2875 Fertilizer Mixing Only	5
	2879 Pesticides and Agricultural Chemicals, Not Elsewhere Listed	5 - 9
	2891 Adhesives and Sealants	5 - 8
	2892 Explosives	6 - 9
	2893 Printing Ink	2 - 5
	2895 Carbon Black	1 - 3
	2899 Chemicals and Chemical Preparations, Not Elsewhere Listed	3 - 9
29	PETROLEUM REFINING AND RELATED INDUSTRIES	
	291 Petroleum Refining	8
	295 Paving and Roofing Materials	7
	299 Misc. Petroleum and Coal Products	7
30	RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS	
	301 Tires and Inner Tubes	6
	302 Rubber and Plastic Footwear	6
	303 Reclaimed Rubber	6
	304 Rubber and Plastic Hose And Belting	4
	306 Fabricated Rubber Products, Not Elsewhere Classified	4
31	LEATHER AND LEATHER PRODUCTS	
	311 Leather Tanning and Finishing (Remaining Three-Digit Codes)	8 1 - 3

Article 25
Well Field Protection Overlay District

32	STONE, CLAY, GLASS, AND CONCRETE PRODUCTS	
	321 Flat Glass	4
	322 Glass and Glassware, Pressed or Blown	4
	324 Cement, Hydraulic	3
	3274 Lime	3
	3291 Abrasive Products	3
	3292 Asbestos	3
	3293 Gaskets, Packing, and Sealing Devices	3
32	PRIMARY METAL INDUSTRIES (Except as Noted Below)	3
	3212 Blast Furnaces, Steel Works And, Rolling and Finishing Mills	6
	323 Primary Smelting and Refining of Nonferrous Metals	7
34	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT (Except as Noted Below)	5
	347 Coating, Engraving, and Allied Services	8
	3482 Small Arms Ammunition	7
	3483 Ammunition, Except for Small Arms, Not Elsewhere Classified	7
	3489 Ordnance and Accessories, Not Elsewhere Classified	7
	349 Misc. Fabricated Metal Products	3 – 6
35	MACHINERY, EXCEPT ELECTRICAL	5 – 7
36	ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT AND SUPPLIES (Except as Noted Below)	
	3691 Storage Batteries	8
	3692 Primary Batteries, Dry and Wet	8
37	TRANSPORTATION EQUIPMENT	5 – 8
38	MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS (Except as Noted Below)	4 - 6
	386 Photographic Equipment and Supplies	7

39	MISCELLANEOUS MANUFACTURING INDUSTRIES 3 – 7	
49	ELECTRIC, GAS, AND SANITARY SERVICES	
	491 Electric Service	3 - 5
	492 Gas Production and Distribution	3
	494 Water Supply	2
	4952 Sewage Systems	2 - 5
	4953 Refuse Systems (Landfills)	5 - 9
	496 Steam Supply	2 - 4

TABLE 2
CONTAMINANT HAZARD POTENTIAL RANKING CLASSIFIED BY TYPE

DESCRIPTION	HAZARD POTENTIAL INITIAL READING	ID * NUMBER
SOLIDS		
Ferrous Metals	1-4	1100
Non-Ferrous Metals	1-7	1200
Resins, Plastics, and Rubbers	2	
1300		
Wood and Paper Materials (except as noted below)	2	1400
Bark	4	1401
Textiles and Related Fibers	2	1500
Inert Materials (except as noted below)	2	1600
Sulfide Mineral-Bearing Mine		
Tailings	6	1601
Slag and Other Combustion		
Residues	5	1602
Rubble, Construction, and		
Demolition Mixed Waste	3	1603
Animal Processing Wastes (except as noted below)	2-4	1700
Processed Skins, Hides, and		
Leathers	6	1701
Dairy Wastes	4	1702
Live Animal Wastes-Raw Manures (Feedlots)	5	1703
Composts of Animal Waste	2-4	1704
Dead Animals	5	
1705		
Edible Fruit and Vegetable Remains		
Putrescibles	2-3	1800

LIQUIDS

Organic Chemicals (must be chemically classified)		2000
Aliphatic (Fatty) Acids	3-5	2001
Aromatic (Benzene) Acids	7-8	2002
Resin Acids	-	2003
Alcohols	5-7	2004
Aliphatic Hydrocarbons (petroleum derivatives)	4-6	2005
Aromatic Hydrocarbons (benzene derivatives)	6-8	2006
Sulfonated Hydrocarbons	7-8	2007
Halogenated Hydrocarbons	7-9	2008
Alkaloids	7-9	2009
Aliphatic Amines and Their Salts	1-4	2010
Anilines	6-8	2011
Pyridines	2-6	2012
Phenols	7-9	2013
Aldehydes	6-8	2014
Ketones	6-8	2015
Organic Sulfur Compounds (Sulfides, Mercaptans)	7-9	2016
Organometallic Compounds	7-9	2017
Cyanides	7-9	2018
Thiocyanides	2-6	2019
Sterols		2020
Sugars and Cellulose	1-4	2021
Esters	6-8	2022
Inorganic Chemicals (must be chemically classified)		2100
Mineral and Metal Acids	5-8	2101
Mineral and Metal Bases	5-8	2102
Metal Salts, Including Heavy	6-9	2103
Oxides	5-8	2104
Sulfides	5-8	2105
Carbon or Graphite	1-3	2106
Other Chemical Process Wastes not Previously Listed (must be chemically classified)		2200
Inks	2-5	2201
Dyes	3-8	2202
Paints	5-8	2203
Adhesives	5-8	2204
Pharmaceutical Wastes	6-9	2205

Article 25
Well Field Protection Overlay District

Petrochemical Wastes	7-9	2206
Metal Treatment Wastes	7-9	2207
Solvents	6-9	2208
Agricultural Chemicals (Pesticides Herbicides, Fungicides, etc.)	7-9	2209
Waxes and Tars	4-7	2210
Fermentation and Culture Wastes	2-5	2211
Oils, Including Gasoline, Fuel	5-8	2212
Soaps and Detergents	4-6	2213
Other Organic or Inorganic Chemicals, includes Radioactive Wastes	4-8	2300
Conventional Treatment Process Municipal Sludges		
From Biological Sewage Treatment	4-8	2301
From Water Treatment and Conditioning Plants (must be chemically classified)	2-5	2302

*ID Number is for identification of waste types in the Reporting Form.

1. Classification based on material in Environmental Protection Agency Publication, 670-2-75-024, pp.79-85, prepared by Arthur D. Little, Inc., and published in 1975.

2. For individual material ranking, refer to solubility-toxicity tables prepared by Versar, Inc., for the Environmental Protection Agency (source: MDNR, June 1980).

Source: WMSRDC. A Pollutant Nature Sampling Plan for Groundwater Contamination in Region 14 (Muskegon, Mich.: West Michigan Shoreline Regional Development Commission, November 1980).