

# COMMERCIAL OR INDUSTRIAL PROJECTS PLAN REVIEW APPLICATION

GRAND BLANC TOWNSHIP, BUILDING DEPARTMENT  
5371 S. Saginaw Street  
PO Box 1833  
Grand Blanc, MI 48480

Telephone: (810) 424-2782  
Fax: (810) 424-2783



## APPLICATION INFORMATION AND REQUIREMENTS (application MUST be complete):

- PLAN REVIEW FEES MUST BE PAID IN FULL AT TIME OF PROJECT SUBMITTAL
- PLANS MUST BE SIGNED/SEALED BY ARCHITECT OR ENGINEER
- THREE SETS OF SIGNED/SEALED PLANS ARE REQUIRED
- DIGITAL COPY REQUIRED
- THE FOLLOWING SIGNATURES MUST BE ON THE APPLICATION:
- Applicant       Architect/Engineer       Design Professional In Charge
- SITE PLAN REVIEW IN PROCESS?  COMPLETED AND APPROVED?
- ZBA REQUIRED?       IF YES, APPROVAL OBTAINED?
- SPECIAL LAND USE REQUIRED?  IF YES, APPROVAL OBTAINED?

**IT IS YOUR RESPONSIBILITY** To Obtain The Following County & State Permits (**If Required**) Prior To Application For Your Building Permit:

- Soil Erosion Permit (County)       Right-Of-Way Permit (County)
- CCIF (B) Permit (County)       IPP Permit (County)
- DEQ (State)       DNR (State)

## **Fire Suppression / Fire Prevention Information Required (last page of application)**

**TED SCZEPANSKI, BUILDING OFFICIAL**  
BUILDING PLAN REVIEW/COMMERCIAL BUILDING INSPECTIONS

**MIKE KYLE**  
ELECTRICAL PLAN REVIEW/INSPECTOR

**GLENN THOMAS**  
MECHANICAL PLAN REVIEW/INSPECTOR  
FIRE SUPPRESSION PLAN REVIEW/INSPECTOR  
PLUMBING PLAN REVIEW/INSPECTOR

**Authority:** Act 230, P.A.1972, as amended      **Completion:** Mandatory      **Penalty:** Permit Cannot Be Issued  
**Notice:** Grand Blanc Township will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, handicap or political beliefs.

**PLEASE NOTE: ONLY those items checked and that have fees paid will be reviewed. \*\*Additional submittals for plan review require a new application:**

Building \_\_\_\_\_ Electrical \_\_\_\_\_ Mechanical \_\_\_\_\_ Plumbing \_\_\_\_\_ Energy \_\_\_\_\_

Foundation \_\_\_\_\_ Barrier Free \_\_\_\_\_ Fire Prevention\* \_\_\_\_\_ Fire Suppression \_\_\_\_\_ Fire Alarm \_\_\_\_\_

- \* Each of the following require fire prevention plan review and permits in addition to mechanical and/or electrical:
  - Any project requiring fire suppression plan review and permit.
  - Any project requiring fire alarm systems
  - Any project requiring Automatic Range Hood systems

➤ **APPLICANT INFORMATION:**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Cell Phone (if desired): \_\_\_\_\_ Fax: \_\_\_\_\_

➤ **Applicant Signature:** \_\_\_\_\_ **Title:** \_\_\_\_\_

➤ **ARCHITECT/ENGINEER INFORMATION:**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

License #: \_\_\_\_\_ Phone: \_\_\_\_\_ Fax \_\_\_\_\_

➤ **DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE:**

Company: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax: \_\_\_\_\_

Architect: \_\_\_\_\_ Engineer: \_\_\_\_\_ License Number: \_\_\_\_\_

Email \_\_\_\_\_

➤ **RESPONSIBILITY AREAS:**

Building \_\_\_\_\_ Electrical \_\_\_\_\_ Mechanical \_\_\_\_\_ Plumbing \_\_\_\_\_ Energy \_\_\_\_\_

Foundation \_\_\_\_\_ Barrier Free \_\_\_\_\_ Fire Suppression \_\_\_\_\_ Other \_\_\_\_\_

➤ \_\_\_\_\_  
**Signature of Design Professional in Charge** **Date**

**THIS APPLICATION IS FOR:**

Project Address: \_\_\_\_\_

Project Name: \_\_\_\_\_

Building Data: New \_\_\_\_\_ Addition \_\_\_\_\_ Alteration \_\_\_\_\_ Repair \_\_\_\_\_ Other \_\_\_\_\_

**Proposed Construction Cost:** \_\_\_\_\_

**AREA 1** .....General Description: \_\_\_\_\_

Gross Floor Area: \_\_\_\_\_ Alteration Area: \_\_\_\_\_ Occupant Load: \_\_\_\_\_

Use Group: \_\_\_\_\_ Construction Type: \_\_\_\_\_ Date: \_\_\_\_\_

**Fire Suppression:** Yes / No **Type of System:** NFPA13 NFPA13R NFPA13D LTD AREA HOOD SYS OTHER

**Fire Alarms:** Yes / No **Type of System:** MANUAL AUTOMATIC

**AREA 2** .....General Description: \_\_\_\_\_

Gross Floor Area: \_\_\_\_\_ Alteration Area: \_\_\_\_\_ Occupant Load: \_\_\_\_\_

Use Group: \_\_\_\_\_ Construction Type: \_\_\_\_\_ Date: \_\_\_\_\_

**Fire Suppression:** Yes / No **Type of System:** NFPA13 NFPA13R NFPA13D LTD AREA HOOD SYS OTHER

**Fire Alarms:** Yes / No **Type of System:** MANUAL AUTOMATIC

**AREA 3** .....General Description: \_\_\_\_\_

Gross Floor Area: \_\_\_\_\_ Alteration Area: \_\_\_\_\_ Occupant Load: \_\_\_\_\_

Use Group: \_\_\_\_\_ Construction Type: \_\_\_\_\_ Date: \_\_\_\_\_

**Fire Suppression:** Yes / No **Type of System:** NFPA13 NFPA13R NFPA13D LTD AREA HOOD SYS OTHER

**Fire Alarms:** Yes / No **Type of System:** MANUAL AUTOMATIC

# PLAN REVIEW

## FIRE SUPPRESSION AND FIRE PREVENTION FOR FIRE SUPPRESSION

### Separate Permits Required for Fire Suppression and Fire Prevention for Fire Suppression

#### ATTENTION OWNERS / LEASEES:

#### ATTENTION CONTRACTORS:

This project may need to obtain yearly operational permit and inspection from the Grand Blanc Township Fire Prevention Bureau

When application for a fire suppression permit is made, shop drawings are required.

- Owner/Manager is responsible to pay all fire prevention plan review fees and submit a fire prevention permit application with appropriate fees.

#### PLEASE PROVIDE A DESCRIPTION OF WORK TO BE COMPLETED UNDER THIS PERMIT

SYSTEM TYPE: GRID \_\_\_\_\_ T-System \_\_\_\_\_

Density \_\_\_\_\_ Wet Pipe \_\_\_\_\_

“C” Factor \_\_\_\_\_ Dry Pipe \_\_\_\_\_

Design Area Square Feet \_\_\_\_\_ Pre-Action System \_\_\_\_\_

# Sprinklers Calculated \_\_\_\_\_ Wet Pipe w/Antifreeze \_\_\_\_\_

Hose Allowance \_\_\_\_\_

Water Supply Static Flow Test \_\_\_\_\_ Residual \_\_\_\_\_ at \_\_\_\_\_ G.P.M.

System Demand \_\_\_\_\_ G.P.M. @ \_\_\_\_\_ PSI at \_\_\_\_\_

System G.P.M. \_\_\_\_\_ Hose G.P.M. \_\_\_\_\_ Pressure \_\_\_\_\_

Hazard Type \_\_\_\_\_

K for Heads \_\_\_\_\_ Design Density \_\_\_\_\_

# Head on Each Line \_\_\_\_\_

# Rows/Lines: \_\_\_\_\_ Spacing of Rows \_\_\_\_\_

Total # of Heads \_\_\_\_\_

GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE

-DIVISION OF-

WATER & WASTE SERVICES

JEFFREY WRIGHT  
COMMISSIONER



G-4610 BEECHER ROAD · FLINT, MICHIGAN 48532-2617

PHONE (810) 732-7870 · FAX (810) 732-9773

INDUSTRIAL/NONDOMESTIC USER DISCHARGE PERMIT APPLICATION

I. GENERAL MAILING INFORMATION

Name (Owner/Manager/Contact Person) Phone Number

Street (Mailing address for correspondence)

City State Zip Code

(Business Name – Service Location)

Street (Legal address, Tax ID, or parcel number of property discharging to sewer system)

City State Zip Code

Township County

Phone Fax E-Mail

Complete all sections of this application, be sure both Authorized Representative and Property Owner statements are signed, and return it to: Environmental Compliance  
Genesee County Drain Commissioner's Office  
G-4610 Beecher Road  
Flint, MI 48532

**Environmental Compliance can be contacted by phone at (810) 232-7662 extension, 2226.**

AUTHORIZED REPRESENTATIVE STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Authorized Representative Signature  
(Responsible for the discharge)

Authorized Representative Name (Please Print)

Authorized Representative Title (Please Print)

Date

PROPERTY OWNER STATEMENT

By my signature below, I certify, acknowledge, and agree as follows:

I am the legal owner (or the duly authorized representative of the legal owner) (the "Property Owner") of the above-described property (the "Property"). This application for a permit to authorize the discharge of wastewater to the public sewer from the Property is submitted with my permission, authority, and consent.

I am aware and understand that the discharge of wastewater from the Property to the public sewer is governed by, and subject to, local, state, and federal laws and regulations; that these laws and regulations impose certain financial and legal requirements, responsibilities, and liabilities on the Property and on the Property Owner; and that these requirements, responsibilities, and liabilities, include, but are not limited to, the following: Effective immediately upon the provision of wastewater treatment service to the Property, the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, shall have a lien upon the Property, as security for the collection of wastewater treatment system rates and/or charges, which lien shall be enforceable as provided by law.

\_\_\_\_\_  
Property Owner Signature

\_\_\_\_\_  
Property Owner Name (Please Print)

\_\_\_\_\_  
Property Owner Title (Please Print)

\_\_\_\_\_  
Date

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A. Provide a brief description of the manufacturing, production or service activities your company conducts. \_\_\_\_\_

B. Business Activity (check all that apply)

- New construction                       Addition                       Change of Ownership  
 Remodel                                       Change of use  
 Multi-tenant space - - - If yes how many tenant spaces? \_\_\_\_\_

\*Note that multi-tenant spaces are required to install two separate sewer lines in the building. One line will be for sanitary sewage and the other for process waters. The process line will be brought outside each tenant space. Each tenant space is required to submit an individual IPP application.

C. What types of waste(s) do you discharge to the sanitary sewer? (Check all that apply)

- Domestic Waste                       Process Water                       Non-contact Cooling Water                       Scrubber Waters  
 Photo processing / X-ray developing waters                       Grease Trap/Grease Interceptor  
 Arsenic backwash from drinking water system                       Other: \_\_\_\_\_

\*\*All non-domestic users shall have a sampling manhole outside that provides access to the discharge from their facility.

\*\*\*All Users with a discharge other than domestic sanitary waste (process waste water) shall have a sampling manhole outside that provides access to the waste stream without sanitary waste contribution.

D. Business Activity

1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), place a check beside the category of business activity (check all that apply).

Industrial Categories

- |  |   |
|--|---|
| <input type="checkbox"/> Aluminum Forming                                  | <input type="checkbox"/> Leather Tanning and Finishing                    |
| <input type="checkbox"/> Metal Finishing                                   | <input type="checkbox"/> Metal Molding and Casting                        |
| <input type="checkbox"/> Nonferrous Metals Forming and Metal Powders       | <input type="checkbox"/> Nonferrous Metals Manufacturing                  |
| <input type="checkbox"/> Organic Chemicals, Plastics, and Synthetic Fibers | <input type="checkbox"/> Paint Formulating                                |
| <input type="checkbox"/> Paving and Roofing Materials (Tars and Asphalt)   | <input type="checkbox"/> Pesticides Chemicals                             |
| <input type="checkbox"/> Petroleum Refining                                | <input type="checkbox"/> Pharmaceutical Manufacturing                     |
| <input type="checkbox"/> Rubber Manufacturing                              | <input type="checkbox"/> Porcelain Enameling                              |
| <input type="checkbox"/> Steam Electric Power Generating                   | <input type="checkbox"/> Pulp, Paper, and Paperboard Manufacturing        |
| <input type="checkbox"/> Battery Manufacturing                             | <input type="checkbox"/> Soap and Detergent Manufacturing                 |
| <input type="checkbox"/> Carbon Black Manufacturing                        | <input type="checkbox"/> Timber Products Processing                       |
| <input type="checkbox"/> Copper Forming                                    | <input type="checkbox"/> Builder's Paper and Board Mills                  |
| <input type="checkbox"/> Electroplating                                    | <input type="checkbox"/> Coil Coating                                     |
| <input type="checkbox"/> Glass Manufacturing                               | <input type="checkbox"/> Electric and Electronic Components Manufacturing |
| <input type="checkbox"/> Grain Mills                                       | <input type="checkbox"/> Feedlots   |
| <input type="checkbox"/> Inorganic Chemicals Manufacturing                 | <input type="checkbox"/> Fertilizer Manufacturing                         |
|  | <input type="checkbox"/> Ink Formulating                                  |
|  | <input type="checkbox"/> Iron and Steel Manufacturing                     |

A facility with processes inclusive in these business areas may be covered by Environmental Protection Agency's (EPA) categorical pretreatment standards. These facilities are termed "categorical users".

2. Is your business a categorical user? \_\_\_\_\_

If your business has process water that is greater than 25,000 gallons per day or contributes a process wastewater more than 5% of wastewater treatment plant's average dry weather hydraulic or organic capacity as defined in 40 CFR part 403.3(t) it is considered a Significant Industrial User.

3. Is your business a Significant Industrial User? \_\_\_\_\_

4. Appropriate Standard Industrial Code(s) (SIC) See edited table on pages 11-13 Table II:

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E. Do you use, store, or discharge any acids, bases, or materials listed in Table I (attached)?

- Yes  No

F. Does the operation of your processes or wastewater treatment facility result in a residual residue or sludge type waste?

- Yes  No

G. Schedule of operations:

1. \_\_\_\_\_ Number Of Employees
2. \_\_\_\_\_ Hrs/day \_\_\_\_\_ days/wk \_\_\_\_\_ shifts/day \_\_\_\_\_ mos/yr \_\_\_\_\_
3. Size of the facility: \_\_\_\_\_

**II. PROCESS AND PRODUCTS**

A. Provide a complete list of products used or stored on the site, which appear on Table I (Consolidated Critical Materials List and Priority Pollutants List). If you use the trade name of proprietary chemicals that do not list contents on the package, indicate the trade names and manufacturer(s) at this time. You must write the manufacturer to request an OSHA Form 20 for each such substance, and provide POTW with the necessary information when available; i.e., use numbers, NOT chemical name, Table I:

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B. Describe each process (including flow diagrams and plumbing schematics): \_\_\_\_\_

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C. Is any of the enclosed information considered to be confidential?

Yes  No

If yes, explain what and why. (All requests for confidentiality will be processed according to 40 CFR, Part 2): \_\_\_\_\_

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D. Water Supply:  Municipal  Well  Other (Explain): \_\_\_\_\_

E. Consumption Used: 1. \_\_\_\_\_ (ft<sup>3</sup>, gals per time unit)

2. \_\_\_\_\_ (ft<sup>3</sup>, gals per time unit)

Consumption Total: \_\_\_\_\_

F. Does your facility have a Spill Prevention Control and Counter Measures Program (SPCC) (40 CFR 112) or Pollution Incident Prevention Plan (PIPP) (MDNR Rule 5)?

Yes  No

**III. PROCESS WASTEWATER**

A. Identify outfall (Check Box): (Describe -- include line drawing(s) of process flows and all floor drain discharging to each outfall):

Surface waters. Name of receiving waters: \_\_\_\_\_

Septic tank-tile field.  Surface of ground.  Storm sewer.

Municipal sanitary sewer.

Other \_\_\_\_\_

B. Volumes of discharge: Average Daily Flow: \_\_\_\_\_ gallons per day.

Maximum Daily Flow: \_\_\_\_\_ gallons per day.

Flow is:  Measured  Estimated



C. Type of wastewater Discharged to the POTW:

	Average Flow Rate	Maximum Flow Rate	
Process			GPD
Domestic Waste			GPD
Non-Contact Cooling Water			GPD
Boiler Blow Down			GPD
Others: (List)			GPD
			GPD
Total Flow Rate:			GPD

\*GPD is gallons per day.

D. Characteristics of discharge:

All current nondomestic users are required to submit monitoring data on all pollutants that are regulated specific to each process. Use table I provided at the end of this application as a guide. Attach all laboratory data and submit with this application.

E. Are drains (roof, parking lot, etc.) discharging into the sanity sewer?

Yes  No If yes, estimate area drained: \_\_\_\_\_ sq. ft.

**IV. DISPOSAL PRACTICES** (add extra pages, if necessary):

A. How do you dispose of spent chemicals? \_\_\_\_\_

1. Volume disposed of: \_\_\_\_\_

B. How do you dispose of spoilage? \_\_\_\_\_

C. How do you dispose of precipitates and/or sludges? \_\_\_\_\_

1. Volume disposed of: \_\_\_\_\_

D. Name of waste hauler: \_\_\_\_\_

License No. \_\_\_\_\_

E. Do you have pretreatment for your wastes:  Yes  No

If Yes is checked: Type: \_\_\_\_\_

Size: \_\_\_\_\_

Frequency of Operation: \_\_\_\_\_

If No is checked, where and how are the wastes disposed of:

To sanitary sewer  To storm sewer  Industrial waste hauler

Other- - - If other explain: \_\_\_\_\_

F. Do you have any air emission control equipment, which would discharge into the sewer system?  
 Yes  No

G. Are any of the materials listed in Table I discharged with the wastes?  
 Yes  No  
If Yes, List by number from Table I: \_\_\_\_\_

**V. SPILL PREVENTION** (add extra pages if necessary):

A. List bulk materials stored on site (liquid, solids) including cleaning agents:  
Material: \_\_\_\_\_ Volume: \_\_\_\_\_ Location In Plant: \_\_\_\_\_

Material: \_\_\_\_\_ Volume: \_\_\_\_\_ Location In Plant: \_\_\_\_\_

B. Is separate secondary containment provided for bulk materials?  
 Yes  No

C. Is separate secondary containment provided for those processes which contain chemicals listed in Table I?  
 Yes  No

D. Has separate storage been provided for those chemicals which cause hazardous reactions; i.e., acids with cyanide, acids with bases?  
 Yes  No

**VI. SAMPLING AND ANALYSIS**

A. Are sampling points available for each?  
1. Process Line  Yes  No  
2. Outfall  Yes  No

B. Do you sample your process discharge(s)?  
 Yes  No

C. Type of sample:  
 Grab  Composite (time based)  Composite (flow proportioned)

D. Is a sampling vault and/or manhole provided?  
 Yes  No

E. Sampling schedule (i.e., 24-hour, during work hours, etc.): \_\_\_\_\_  
\_\_\_\_\_

F. What laboratory analysis (wastewater/solids) can be run on-site? \_\_\_\_\_  
\_\_\_\_\_

**VII. MISCELLANEOUS**

A. Describe any safety precautions to be observed by those visiting your site:

\_\_\_\_\_

B. Contact Person: Name \_\_\_\_\_

Title \_\_\_\_\_

Phone \_\_\_\_\_

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**GLOSSARY**

Except as otherwise expressly provided by this Glossary, the words and terms used in this application shall be as defined in the Sewer Use Ordinance available online at [GCDCWWS.com](http://GCDCWWS.com).

**“Composite Sample”** means a series of individual samples collected on a flow or time proportional basis, taken at regular intervals over a specific time period, and combined into a single sample (formed either by continuous sampling or by mixing discrete samples) representative of the average stream during the sampling period. 24-Hour composite sampling is required for all SIUs. 24-hour composite samples must be obtained through flow-proportional composite sampling techniques, unless the Permittee demonstrates to the POTW Manager that time-proportional composite sampling or grab sampling will be representative of the Permittee’s discharge. For categorical sampling, a composite sample shall consist of at least four (4) individual samples taken within a 24-hour period.

**“Secondary Containment”** means if a tank or vessel storing a chemical ruptures, the secondary containment structure will prevent the loss of the chemical to the environment. Secondary containment should be provided with a volume of 150% of the storage vessel. All potentially polluting materials such as oil, acid, cyanide, etc., should be stored within a secondary containment structure, usually a concrete wall or earthen dike.

**“Spent Chemicals”** are chemicals that have exhausted their usefulness.

**TABLE I: The following is a list of the U.S. Priority Pollutants consolidated with the current Critical Materials Register, compiled by the Michigan Department of Natural Resources.**

**ORGANICS**

1.	acids	49.	tris(dibromopropyl) phosphate
2.	acenaphthene	50.	di-n-butyl phthalate
3.	acetone cyanohydrin	51.	3,3-dichlorobenzidine
4.	2-acetylaminofluorene	52.	3,3-dichlorobenzidine salts
5.	acrolein	53.	1,2-dichloroethane
6.	acrylic acid	54.	dichloroethylenes
7.	acrylonitrile		a. 1,1-dichloroethylene
8.	allyl chloride		b. 1,2-trans-dichloroethylene
9.	2-aminoanthraquinone	55.	dichloropropane & dichloropropene
10.	aminoazobenzene		a. 1,3-dichloropropylene; (1,3-dichloropropene)
11.	o-aminoazotoluene		b. 1,2-dichloropropane
12.	4-aminobiphenyl	56.	1,2:3,4-diepoxybutane
13.	3-amino-9-ethylcarbazole	57.	Diethyl sulfate
14.	1-amino-2-methylantraquin	58.	4-dimethylaminoazobenzene
15.	aminotriazole (amitrole)	59.	Dimethylhydrazines
16.	aniline	60.	2,4-dimethylphenol
17.	aniline hydrochloride	61.	4,6-dinitro-o-cresol
18.	o-anisidine	62.	2,4-dinitrophenol
19.	o-anisidine hydrochloride	63.	2,4-dinitrotoluene
20.	benz(a)anthracene	64.	dinitrotoluene
21.	benzene		a. 2,6-dinitrotoluene
22.	benzidine	65.	di-n-octyl phthalate
23.	benzidine salts	66.	1,4-dioxane
24.	benzo(a)pyrene	67.	2,3-epoxy-1-propanal
25.	brucine	68.	ethylbenzene
26.	carbon tetrachloride	69.	ethylene dibromide
27.	chlorinated benzenes	70.	ethyleneimine
	a. chlorobenzene	71.	ethylene oxide
	b. 1,2,4-trichlorobenzene	72.	ethylene thiourea
	c. 1,2-dichlorobenzene	73.	bis(2-ethylhexyl) phthalate
	d. 1,3-dichlorobenzene	74.	ethylmethanesulfonate
	e. 1,4-dichlorobenzene	75.	fluoranthene
28.	chlorinated dibenzofurans	76.	2-(2-formylhydrazino)-4-(5-nitro-2-fury) thiazole
29.	chlorinated dioxins	77.	Haloethers
30.	chlorinated ethanes		a. 4-chlorophenyl phenyl ether
	a. 1,1,1-trichloroethane		b. 4-bromophenyl phenyl ether
	b. 1,1-dichloroethane		c. bis(2-chloroisopropyl) ether
	c. chloroethane		d. bis(2-chloroethoxy) methane
	d. 1,1,2,2-tetrachloroethane	78.	Halomethanes
31.	chlorinated naphthalene		a. methylene chloride; (dichloromethane)
	a. 2-chloronaphthalene		b. methyl chloride; (chloromethane)
32.	chlorinated phenols		c. methyl bromide; (bromomethane)
	a. 2-chlorophenol		d. bromoform; (tribromomethane)
	b. . parachlorometa-cresol		e. dichlorobromomethane
	c. 2,4-dichlorophenol		f. trichlorofluoromethane
33.	1-chloro-2,3-epoxypropane		g. dichlorodifluoromethane
34.	chloroalkyl ethers		h. chlorodibromomethane
	a. 2-chloroethyl vinyl ether (mixed)	79.	hexachlorobenzene (HCB)
35.	bis (2-chloroethyl) ether	80.	hexachlorobutadiene
36.	Chloroform	81.	hexachlorocyclohexane
37.	bis (2-chloromethyl) ether	82.	hexachlorocyclopentadiene
38.	3-(chloromethyl) pyridine hydrochloride	83.	hexachloroethane
39.	1-(4-chlorophenyl)-3,3-dimethyl triazene	84.	hydrazobenzene
40.	4-chloro-m-phenylenediamine	85.	hydroquinone
41.	4-chloro-o-phenylenediamine	86.	N-(2-hydroxyethyl) ethyleneimine
42.	Chloroprene	87.	isophorone
43.	5-chloro-o-troluidine	88.	lactonitrite
44.	p-cresidine	89.	malachite green
45.	2,4-diaminoanisole sulfate	90.	methylenebis(2-chloroaniline)
46.	4,4-diaminodiphenyl ether	91.	4,4-methylenebis(2-methylaniline)
47.	2,4-diaminotoluene	92.	4,4-methylenebis(N,N-dimethylaniline)
48.	dibenz(a,h)anthracene		

93. 1,2(methylenedioxy)-4-propenyl benzene  
 94. methyl hydrazine  
 95. 1-methylnaphthalene  
 96. 2-methyl-1-nitroanthraquinone  
 97. mustard gas  
 98. 1,5-naphthalenediamine  
 99. 1-naphthylamine  
 100. 2-naphthylamine  
 101. 5-nitroacenaphthene  
 102. 5-nitro-o-anisidine  
 103. nitrobenzene  
 104. 4-nitrobiphenyl  
 105. nitrogene mustard  
 106. 2-nitrophenol  
 107. 4-nitrophenol  
 108. Nitrosamines  
 a. N-nitrosodiphenylamine  
 b. N-nitrosodi-n-propylamine  
 109. N-nitroso-n-butyl-N-(4-hydroxybutyl)amine  
 110. N-nitrosodiethylamine  
 111. N-nitrosodimethylamine  
 112. p-nitrosodiphenylamine  
 113. N-nitroso-N-ehylurea  
 114. N-nitroso-N-methylurea  
 115. N-nitroso-N-methylurethane  
 116. N-nitrosomethylvinylamine  
 117. N-nitrosomorpholine  
 118. N-nitroso-N-phenylhydroxyl-amine, ammonium salt  
 119. N-nitrososarcosine  
 120. pentachloronitrobenzene  
 121. pentachlorophenol  
 122. peroxyacetic acid  
 123. phenol  
 124. Phthalate esters  
 a. butyl benzyl phthalate  
 b. diethyl phthalate  
 c. dimethyl phthalate  
 125. piperonyl sulfoxide  
 126. polybrominated biphenyls (PBB)  
 127. polychlorinated biphenyls (PCB)  
 128. Polynuclear aromatic hydrocarbons  
 a. 3,4-benzofluoranthene  
 b. benzo(k) fluoranthene;  
 (11,12-benzofluoranthene)  
 c. chrysene  
 d. acenaphthylene  
 e. anthracene  
 f. benzo(ghi) perylene;  
 1,12-benzoperylene  
 g. fluorene  
 h. phenathrene  
 i. ideno(1,2,3-cd) pyrene;  
 (2,3-0-phenylenepyrene)  
 j. pyrene  
 k. naphthalene  
 129. 1,3-propane sultone  
 130. B-proplolactone  
 131. 5-propyl-1,3-benzodioxole  
 132. propyleneimine  
 133. semicarbazide  
 134. styrene  
 135. tetrachloroethylene  
 (perchloroethylene)  
 136. thioacetamide  
 137. 4,4-thiodianiline  
 138. thiourea  
 139. toluene  
 140. o-toluidine  
 141. o-toluidine hydrochloride  
 142. triaryl phosphate esters  
 143. 1,1,2-trichloroethane  
 144. trichloroethylene  
 145. trichlorophenols  
 146. 2,4,5-trimethylaniline  
 147. trimethylphosphate  
 148. vinylchloride  
 149. xylene
- A. INORGANICS**
150. Antimony  
 151. Arsenic  
 152. Beryllium  
 153. Cadmium  
 154. Chromium  
 155. Cobalt  
 156. Copper  
 157. Cyanides  
 158. Hypochlorite  
 159. Lead  
 160. Lithium  
 161. Mercury  
 162. Nickel  
 163. Selenium  
 164. Silver  
 165. Thallium  
 166. Zinc
- B. INORGANICS**
167. Acids  
 168. Chloramines  
 169. Chlorine  
 170. Hydrazine  
 171. Hydrogen sulfide
- C. INORGANICS**
172. Asbestos (fibrous)
- D. PESTICIDES**
173. Aldicarb  
 174. Aldrin  
 175. 4-aminopyridine  
 176. anilazine  
 177. antimycin A  
 178. azinphos-ethyl  
 179. azinphos-methyl  
 180. barban  
 181. bendiocarb  
 182. benomyl  
 183. bromoxynil  
 184. 2(p-tert-butylphenoxy)-isopropyl-2-chloroethyl sulfite  
 185. captafol

186.	captan	242.	phorate
187.	carbaryl	243.	phosazetim
188.	carbophenothion	244.	phosmet
189.	chlorodane	245.	phosphamidon
190.	chlordecone	246.	rotenone
191.	chlorfenvinphos	247.	silvex, propylene glycolbutyl ether ester
192.	chlorobenzilate	248.	sodium fluoroacetate
193.	chlorpyrifos	249.	strychnine
194.	clonitralid	250.	sulfallate
195.	coumaphos	251.	sulfotepp
196.	crotoxyphos	252.	TDE
197.	cycloheximide	253.	TEPP
198.	DDT	254.	terbufos
199.	demeton	255.	tetrachlorvinphos
200.	diallate	256.	thiram
201.	diazinon	257.	toxaphene
202.	dibromochloropropane	258.	trichlorfon
203.	dichlone	259.	trichlorophenoxyacetic acid (2,4,5-T)
204.	dichlorvos	260.	trifluralin
205.	dichrotophos	261.	ziram
206.	dieldrin		
207.	dimethoate	<b>E.</b>	<b><u>ADDITIONAL POLLUTANTS</u></b>
208.	dinocap	262.	Acidity
209.	dinoseb	263.	Alkalinity
210.	dioxathion	264.	Bacteria
211.	disulfoton	265.	BOD5
212.	endosulfan	266.	COD
213.	endrin	267.	Chloride
214.	EPN	268.	Fluoride
215.	ethion	269.	Hardness
216.	fensulfothion	270.	Magnesium
217.	fenthion	271.	Ammonia Nitrate
218.	fluchloralin	272.	Oil and Grease
219.	heptachlor	273.	TSS
220.	heptachlor epoxide	274.	TOC
221.	Isomes of hexachlorocyclohexane	275.	Kjeldahl Nitrogen
	a. a-BHC-Alpha	276.	Nitrate N
	b. b-BHC-Beta	277.	Nitrite N
	c. g-BHC-Delta	278.	Organic N
222.	leptophos	279.	Orthophosphate P
223.	malathion	280.	Phosphorus
224.	a. 4,4'-DDE;(p,p'-DDE)	281.	Sodium
	b. 4,4'-DDD;(p,p'-TDE)	282.	Specific Conductivity
225.	metabolites of endosulfan	283.	Sulfate (SO <sub>4</sub> )
	a. ensosulfan sulfate	284.	Sulfite (SO <sub>3</sub> )
226.	metabolites of endrine	285.	Sulfide (S)
	a. endrine aldehyde		
227.	metabolites of heptachlor		
228.	methomyl		
229.	methoxychlor		
230.	methyl mercaptan		
231.	methyl parathion		
232.	mevinphos		
233.	mexacarbate		
234.	mirex		
235.	monocrotophos		
236.	naled		
237.	nicotine		
238.	nitrofen		
239.	oxydemeton-methyl		
240.	paraquat		
241.	parathion		

Table II

Note: This is an edited list.

<u>CODE</u>	<u>TITLE</u>		
<b>AGRICULTURE</b>			
0100	Agricultural Production- Crops	2091	Canned & Cured Seafood
0200	Agricultural Production Livestock	2092	Fresh Or Frozen Packaged Fish
0211	Beef Cattle Feedlots	2200	Textile Mill Products
0241	Dairy Farms	2300	Apparel & Other Textile Products
0700	Agricultural Services	2400	Lumber & Wood Products
<b>MINING</b>			
1000	Metal Mining	2420	Sawmills & Planing Mills
1011	Iron Ores	2430	Millwork, Plywood, & Structural Members
1021	Copper Ores	2440	Wood Containers
1081	Metal Mining Services	2448	Wood Pallets & Skids
1300	Oil & Gas Extraction	2450	Wood Buildings & Mobile homes
1380	Oil & Gas Field Services	2490	Misc Wood Products
1400	Nonmetallic Minerals	2491	Wood Preserving
1422	Crushed & Broken Limestone	2492	Particleboard
1440	Sand & Gravel	2500	Furniture & Fixtures
1450	Clay & Refractory Minerals		
1470	Chemical & Fertilizer Minerals		
1492	Gypsum		
<b>CONSTRUCTION</b>			
1500	General Building Contractors	2600	<b>PAPER &amp; ALLIED PRODUCTS</b>
1600	Heavy Construction Contractors	2611	Pulp Mills
<b>MANUFACTURING</b>			
2000	Food & Kindred Products	2621	Paper Mills (Except Building Paper)
2010	Meat Products	2631	Paperboard Mills
2011	Meat Packing Plants & Slaughter Houses	2640	Misc Converted Paper Products
2020	Dairy Products	2650	Paperboard Containers & Boxes
2030	Canned Fruits & Vegetables	2661	Building Paper & Board Mills
2033	Canned Fruits & Vegetables		
2035	Pickles, Sauces, Salad Dressings	2700	<b>PRINTING &amp; PUBLISHING</b>
2037	Frozen Fruits & Vegetables	2710	Newspapers
2040	Grain Mill Products	2750	Commercial Printing
2043	Cereal Breakfast Foods	2790	Printing Trade Service
2047	Dog, Cat, & Other Pet Food		
2050	Bakery Products	2800	<b>CHEMICALS &amp; ALLIED PRODUCTS</b>
2060	Sugar & Confectionery Products	2810	Industrial Inorganic Chemicals
2063	Beet Sugar	2820	Plastic Materials & Synthetics
2070	Fats & Oils	2830	Drugs
2076	Vegetable Oil Mills	2840	Soap, Cleaners, & Toilet Goods
2077	Animal & Marine Fats & Oils	2850	Paints & Allied Products
2080	Beverages	2860	Industrial Organic Chemicals
2082	Malt Beverages	2870	Agricultural Chemicals
2084	Wines, Brandy, & Brandy Spirits	2890	Misc Chemical Products
2085	Distilled Liquors (except brandy)	2891	Adhesives & Sealants
2086	Bottled & Canned Soft Drinks	2892	Explosives
2087	Flavoring Extracts & Syrups	2893	Printing Inks
2090	Misc Foods & Kindred Products	2899	Salt (By Evaporation)
		2900	<b>PETROLEUM &amp; COAL PRODUCTS</b>
		2911	Petroleum Refining
		2950	Paving & Roofing Materials
		3000	<b>RUBBER &amp; MISC PLASTIC PRODUCTS</b>
		3011	Tires & Inner Tubes
		3069	Fabricated Rubber Products
		3079	Misc Plastic Products
		3100	<b>LEATHER &amp; LEATHER</b>

	<b>PRODUCTS</b>	3471	Plating & Polishing
3111	Leather Tanning & Finishing	3479	Metal Coating & Allied Services
3200	<b>STONE, CLAY, &amp; GLASS PRODUCTS</b>	3480	Ordnance & Accessories
		3490	Misc Fabricated Metal Products
3220	Glass & Glassware, Pressed Or Blown	3500	<b>MACHINERY, EXCEPT ELECTRICAL</b>
3241	Cement	3510	Engines & Turbines
3250	Structural Clay Products	3520	Farm & Garden Machinery
3260	Pottery & Related Products	3530	Construction & Related Machinery
3270	Concrete, Gypsum, & Plaster Products	3540	Metalworking Machinery
3271	Concrete Block & Brick	3550	Special Industry Machinery
3273	Ready-Mixed Concrete	3560	General Industrial Machinery
3274	Lime	3570	Office & Computing Machines
3275	Gypsum Products	3580	Refrigeration & Service Machinery
3290	Misc Nonmetallic Mineral Products	3590	Misc Machinery (Except Electrical)
3291	Abrasive Products	3600	<b>ELECTRIC &amp; ELECTRONIC EQUIPMENT</b>
3292	Asbestos Products	3610	Electric Distributing Equipment
3295	Minerals, Ground Or Treated	3620	Electric Industrial Apparatus
3297	Nonclay Refractories	3630	Household Appliances
3300	<b>PRIMARY METAL INDUSTRIES</b>	3640	Electric Lighting & Wiring Equipment
		3650	Radio & TV Receiving Equipment
3310	Blast Furnaces & Basic Steel	3660	Communication Equipment
3312	Blast Furnaces & Steel Mills	3670	Electronic Components & Accessories
3313	Electrometallurgical Products	3690	Misc Electrical Equipment, Supplies
3315	Steel Wire & Related Products	3700	<b>TRANSPORTATION EQUIPMENT</b>
3316	Cold Finishing Of Steel Shapes	3710	Motor Vehicles & Equipment
3317	Steel Pipe & Tubes	3711	Motor Vehicles & Car Bodies
3320	Iron & Steel Foundries	3714	Motor Vehicles, Parts & Accessories
3321	Gray Iron Foundries	3715	Truck Trailers
3322	Malleable Iron Foundries	3720	Aircraft & Parts
3330	Primary Nonferrous Metals	3730	Ship & Boat Building & Repairing
3331	Primary Copper	3740	Railroad Equipment
3332	Primary Lead	3750	Motorcycle, Bicycles, & Parts
3333	Primary Zinc	3760	Guided Missiles & Space Vehicle Parts
3334	Primary Aluminum	3790	Misc Transportation Equipment
3340	Secondary Nonferrous Metals	3792	Travel Trailers & Campers
3360	Die Casting	3795	Tanks & Tank Components
3361	Aluminum Foundries	3800	<b>INSTRUMENTS &amp; RELATED PRODUCTS</b>
3362	Brass, Bronze, & Copper Foundries	3810	Engineering & Scientific Instruments
3390	Misc Primary Metal Products	3820	Measuring & Controlling Devices
3398	Metal Heat Treating	3830	Optical Instruments & Lenses
3400	<b>FABRICATED METAL PRODUCTS</b>	3840	Medical Instruments & Supplies
3410	Metal Cans & Shipping Containers	3860	Photographic Equipment & Supplies
3420	Cutlery, Hand Tools, & Hardware		
	Plumbing & Heating (Except Electric)	3900	<b>MISC MANUFACTURING INDUSTRIES</b>
3440	Fabricated Structural Metal Products	3910	Jewelry, Silverware, & Plated Ware
3450	Screw Machine Products, Bolts, etc.	3930	Musical Instruments
3460	Metal Forgings & Stampings	3940	Toys & Sporting Goods
3462	Iron & Steel Forgings		
3463	Nonferrous Forgings		
3465	Automotive Stampings		
3470	Metal Services		



3950	Pens, Pencils, Office, & Art Supplies	7992	Public Golf Courses
3990	Misc Manufacturers	7996	Amusement Parks
	<b>TRANSPORTATION</b>	7997	Membership Sports & Recreation Clubs
4010	<b>RAILROADS</b>	8000	<b>HEALTH SERVICES</b>
4200	<b>TRUCKING &amp; WAREHOUSING</b>	8050	Nursing & Personal Care Facilities
4210	Trucking (Local & Long Distance)	8060	Hospitals
4214	Hauling Liquid Wastes	8070	Medical & Dental Laboratories
4221	Farm Product Warehousing & Storage	8080	Outpatient Care Facilities
4222	Refrigerated Warehousing		
4230	Trucking Terminal Facilities		
4400	<b>WATER TRANSPORTATION</b>		
4430	Great Lakes Transportation		
4440	Transportation On Rivers & Canals		
4452	Ferries		
4454	Towing & Tugboat Service		
4460	Water Transportation Services		
4463	Marine Cargo Handling		
	<b>SERVICES</b>		
4900	<b>ELECTRIC, GAS, &amp; SANITARY SERVICES</b>		
4911	Electric Services		
4925	Gas Production &/or Distribution		
4953	Refuse Systems		
5810	<b>EATING &amp; DRINKING PLACES</b>		
6512	<b>OFFICE BUILDINGS</b>		
7000	<b>HOTELS &amp; OTHER LODGING PLACES</b>		
7011	Hotels, Motels, & Tourist Courts		
7030	Camps & Trailer Parks		
7032	Sporting & Recreational Camps		
7210	<b>LAUNDRY, CLEANING, &amp; GARMENT SERVICES</b>		
7215	Coin-Operated Laundries		
7391	<b>LABORATORIES TESTING &amp; RESEARCH</b>		
7399	Water Softener Service		
7500	<b>AUTO REPAIR SERVICES &amp; GARAGES</b>		
7530	Automotive Repair Shops		
7542	Car Washes		
7900	<b>AMUSEMENT &amp; RECREATION SERVICES</b>		
7933	Bowling Alleys		
7940	Commercial Sports		
7941	Sport Clubs & Promoters		
7948	Racing (Including Track Operation)		

**GENESEE COUNTY DRAIN COMMISSIONER WATER & WASTE SERVICES**



Jeffrey Wright - **DRAIN COMMISSIONER**  
 G-4610 BEECHER ROAD - FLINT, MI 48532  
 PHONE (810) 732-7870 FAX (810) 732-9773

**PLEASE COMPLETE ALL  
 FIELDS BELOW. AN  
 INCOMPLETE APPLICATION  
 WILL NOT BE PROCESSED.**

**APPLICATION REQUESTING A RESIDENTIAL EQUIVALENT UNIT (REU) AUDIT**

**BUSINESS NAME:** \_\_\_\_\_

**CONNECTION ADDRESS:** \_\_\_\_\_

**TENANT SPACE:** \_\_\_\_\_ **MUNICIPALITY:** \_\_\_\_\_

**PROPERTY OWNER:** \_\_\_\_\_ **PHONE:** \_\_\_\_\_

**PROPERTY OWNER ADDRESS:** \_\_\_\_\_

**BUSINESS CONTACT:** \_\_\_\_\_ **PHONE:** \_\_\_\_\_

**PROPOSED BUSINESS USE:** \_\_\_\_\_ **PID #** \_\_\_\_\_

**PREVIOUS BUSINESS USE:** \_\_\_\_\_

**HOURS OF OPERATION:** \_\_\_\_\_

**NUMBER OF EMPLOYEES ON LARGEST SHIFT:** \_\_\_\_\_

**TOTAL AREA OF BUSINESS/TENANT (INCLUDING ALL BASEMENTS AND LEVELS):** \_\_\_\_\_

*Please attach a letter from the local unit of government (LUG) to this application that indicates why the audit is being requested. LUG's shall also provide copies of all B-permits and confirm the total number of REUs purchased with this application.*

*PLEASE NOTE THAT A SIGNATURE FROM EACH ENTITY BELOW, ALONG WITH A REQUEST LETTER FROM THE LOCAL UNIT OF GOVERNMENT AS DETAILED ABOVE, IS REQUIRED TO CONDUCT THE AUDIT. THE BUSINESS CONTACT IS, HOWEVER, REQUIRED TO SIGN THE BOTTOM OF THIS FORM ACKNOWLEDGING THE FEE STATEMENT IN THE BOX BELOW.*

**PROPERTY OWNER SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**PROPERTY OWNER EMAIL ADDRESS:** \_\_\_\_\_

**BUSINESS CONTACT SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**BUSINESS CONTACT EMAIL ADDRESS:** \_\_\_\_\_

**LOCAL UNIT OF GOVERNMENT (LUG) SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

Wholesale LUG: Does the existing sanitary sewer have capacity for this proposed business?  YES  NO

**PLEASE NOTE:** By signing this application you are giving The Genesee County Drain Commissioner's Office-Division of Water & Waste Services authorization to conduct an REU redetermination of the abovementioned property. This request is viewed by our office as an invitation to access your premises and buildings located on the referenced site. Once the audit has been completed, you will be notified by this office or by your local unit of Government. **THIS AUDIT MAY RESULT IN ADDITIONAL COUNTY CAPITAL IMPROVEMENT FEES (CCIF) DUE TO THIS OFFICE, AS WELL AS TAP-IN FEES DUE TO THE LOCAL UNIT OF GOVERNMENT. ANY CCIF DUE SHALL BE PAID PRIOR TO THE LOCAL UNIT OF GOVERNMENT ISSUING ANY PERMITS. CCIF ARE \$1,000.00 PER REU FOR SANITARY AND \$1,000.00 PER REU FOR WATER.**

Floor plan and plumbing plans shall be submitted with application.

**BUSINESS CONTACT SIGNATURE**  
 ACKNOWLEDGING STATEMENTS IN BOX ABOVE: \_\_\_\_\_ **DATE:** \_\_\_\_\_