



**GRAND BLANC TWP**  
PUBLIC WORKS

# Grand Blanc Township Engineering Plan Review Guidebook

*February 2024*

**Department of Public Works**

5371 South Saginaw Street

Grand Blanc, MI 48480

(810) 424-2640

[www.twp.grand-blanc.mi.us](http://www.twp.grand-blanc.mi.us)

# Engineering Review



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# Engineering Review



## Introduction



### Important Contacts

Grand Blanc Township  
*Department of Public Works*

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Grand Blanc, MI 48480  
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Director of Public Services  
[allen.cooley@twp.grand-blanc.mi.us](mailto:allen.cooley@twp.grand-blanc.mi.us)

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Assistant Director of Public Works &  
Construction Manager  
[boggs@twp.grand-blanc.mi.us](mailto:boggs@twp.grand-blanc.mi.us)

Genesee County Drain Commission  
4610 Beecher Rd  
Flint, MI 48532  
(810) 732-7870

Genesee County Road Commission  
211 West Oakley  
Flint, MI 48532  
(810) 767-4920

State Of Michigan EGLE  
525 West Allegan  
Lansing, MI 48913  
(517) 284-6651

Welcome to Grand Blanc Township! We are excited that you chose our community to build and grow your business in. In the following pages, you will find a guide through our design and engineering review process for all of your public and private infrastructure needs.

Our Goal is to help you navigate through the Public Works review process so that your experience here is as smooth and flawless as it can possibly be. In reviewing this guidebook, you will find needed forms and applications as well as a mapped-out path you will take through this process.

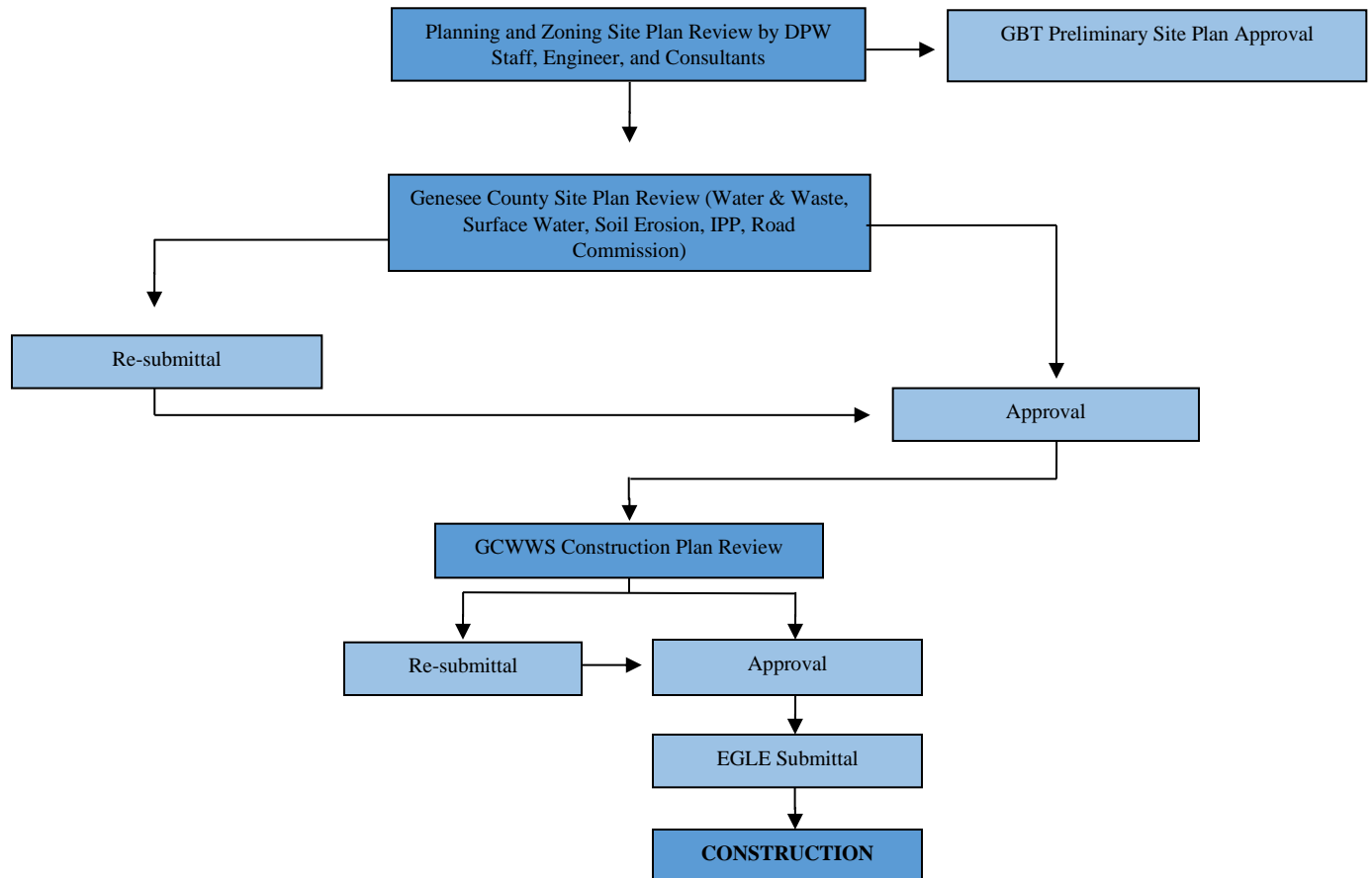
This document is not to be confused with an ordinance or rule book but a collection of information that you can turn to when you need an answer to a question or when you need to know who to contact to get answers to your questions.

# Engineering Review



## Overview & Purpose

### What is the engineering review process?



The above diagram is designed to give you a very brief overview of the engineering plan review. The process all starts with the Township Planning and Zoning Department. Township site plan review and Genesee County site plan review can be done concurrently. Plans and permit documents are submitted to Genesee County through Grand Blanc Township. Each GCDC agency review can take between 2 – 6 weeks to process depending on how many projects are in each agency's queues. Once review comments are received from the GCDC reviewing Engineer, revisions will be required, or approval will be granted. Once Genesee County site plan approval is obtained, construction plans will be submitted to the Genesee County Drain Commission, Water and Waste Division for further review. This is the final step before State of Michigan (EGLE) review and permitting (if required).

# Engineering Review



## Other Information to Consider

The goal of the Grand Blanc Township Department of Public Works is to help you build the perfect submittal packages to submit to Genesee County in order to make the review process go as smoothly as possible. Consider the following items early on while building your project submittal:

### **Easements**

One item that can sometimes be the most difficult to obtain are easements. Dedicating them to the Township is not generally a problem but obtaining them from neighbors can sometimes be difficult. The earlier in the process that you can work on easements, the better off you will be. All easements for public water main shall be twelve feet or larger and easements for public sewer lines must twenty feet wide. All easements shall be dedicated to Grand Blanc Township and the Genesee County Drain Commissioner.

The Genesee County Drain Commission now requires that recorded easements for new, public water and sewer infrastructure projects be included with your DPW construction plan submission. Draft easements are to be submitted with the County site plan review process and must be finalized and recorded before construction plan approval will be granted.

### **Storm Water Maintenance Agreement**

All new developments that include storm water detention must be accompanied by a recorded (with the Register of Deeds) storm water maintenance agreement. This agreement basically pledges to the Township and the County that an onsite detention system exist and it will be maintained in perpetuity.

Historically, these ponds have been neglected by property owners and the Township has had to undertake a great deal of research and enforcement to get them back into working order. The storm water maintenance agreement gives the Township a trackable, and enforceable tool to ensure that these facilities will stay well kept.

### **Railroad Crossings**

If your site is located adjacent to or near a railroad, it is extremely important to research what site improvements you will need to undertake near railroad easements early on in your development process. Building infrastructure within a railroad easement can be expensive and takes time to navigate the rail road company's process. Performing due diligence as soon as possible will help keep your project on track.

### **Capital Fees**

Both Grand Blanc Township and Genesee County charge a onetime capital fee per water and sewer unit being built. The number of units is determined by the use of the facility and then multiplied by a factor determined by Genesee County Ordinance. The calculations determining how the factors are established are based on the 10 States Standards and AWWA standards.

Early on in your development process, Grand Blanc Township DPW staff can give you an estimate in capital fees due to each municipality. You will need to provide us with a proposed floorplan and as much information on the use of the building as possible. Please remember, Genesee County makes the final determination on the number of units assigned to each property and often vary slightly from our estimates. Never the less, our estimates prepare you for these cost well ahead of the time which payment is due.



Water and Sanitary Sewer Capital Fee Calculations

Date: \_\_\_\_\_

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

PID#: \_\_\_\_\_

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

Area Use	Sq. Ft.	Beds	Seats	Unit Factor	Units
				TOTAL:	
				*Units are added then rounded	

CAPITAL FEE'S	Fee	Units	Total	Comments:
Water Captial Fee	\$2,600.00			
Sewer Capital Fee	\$2,750.00			

ADDITIONAL FEE'S	Size	Fee	Total	Comments:
Water Meter				
MXU	N/A			
Meter Pit				
Over size Tap (Over 1")				

\_\_\_\_\_  
Employee Signature

TOTAL DUE TO GBT:



# Engineering Review



## Genesee County Site Plan Review

Genesee County agencies such as the Drain Commission (Water & Waste, Surface Water, and Soil Erosion) and the Road Commission require that all new commercial construction and commercial renovation projects go through a county site plan approval process. Unless noted below, all submittals to these county agencies must route through Grand Blanc Township.

### ☐ Genesee County Drain Commission – Water and Waste Services

- \$250.00 Site Plan Review Fee
- IPP Fee and Application (\$100-\$250 Fee Schedule Attached)
- Site Plan Checklist
- 2 Sets of Site Plans w/ Floor Plans
- 15 – 45 Day Review
- The Genesee County WWS site plan review process primarily focuses on reviewing the location and content of existing and proposed utilities on the property in question. The reviewing engineer looks to see that all the elements are labeled correctly and that the proper set of design standards were followed.

Helpful Links:

[Genesee County Drain Commission](#)

[GCDC WWS Permit Process](#)

[GCDC Permit Documents and Standards](#)

[GCDC WWS Fee Schedule](#)

### ☐ Genesee County Road Commission

- \$50.00 Review Fee
- 15 – 30 Day Review
- The Genesee County Road Commission will review these plans for an accuracy and issue their permit from these plans. After the initial submittal, they will either issue their permit or provide you with review comments. If comments are received, you will have to revise your plans and resubmit before obtaining your permit.
- GCRC Site Development Permit Requirements are attached to this guide.
- All Plans are submitted online through the GCRC Oxcart System.

Helpful Links:

[Genesee County Road Commission](#)

[GCRC Maps](#)

[GCRC Oxcart Permits](#)

# Engineering Review



## Genesee County Site Plan Review

### □ Genesee County Drain Commission – Surface Water Management

- 1 Set of plans
- 15 – 60 Day Review
- The GCDC Surface Water Management Division will review your plans to ensure that proper surface water conveyance and storage is being utilized on your site. They will look at your onsite storage to make sure it is being utilized correctly and that all storm water from outlets are being diverted to the proper, public storm water drainage system. GCDC-SWM will either issue their permit from these plans or require a resubmittal based on their comments.

#### Helpful Links

[Genesee County Drain Commission - Surface Water](#)

[GCDC Surface Water Design Standards](#)

[GCDC Surface Water Drainage Maps](#)

[State Of Michigan Drain Code](#)

### □ GCDC Soil Erosion

- SESC Review Fee (TBD During Review)
- SESC Application, Checklist, Fee Schedule and Maintenance Schedule
- 1 Set of SESC Plans
- The GCDC Soil Erosion Division reviews plans to see that all soil erosion protections are used during construction. They will look at grade changes, stock piling, soil erosion control, and dewatering among other issues. Sites are subject to random inspections.

#### Helpful Links:

[Genesee County Drain Commission - WWS](#)

[GCDC - Permit Documents & Standards](#)



## ATTACHMENT 2

Log No.: \_\_\_\_\_

Date: \_\_\_\_\_

### GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE

#### DIVISION OF WATER AND WASTE SERVICES

#### PRELIMINARY PLAT/SITE PLAN SUBMITTAL CHECK LIST 8<sup>TH</sup> EDITION

PROJECT NAME: \_\_\_\_\_

PARCEL AND/OR PARCEL #S: \_\_\_\_\_

---

#### THE FOLLOWING INFORMATION SHALL BE INCLUDED WITH, OR APPEAR ON ALL PLANS SUBMITTED TO THIS OFFICE:

*Please note that if any of the following information is not applicable to the development being submitted, so state with reason.*

- ☐ \$250 site plan review fee. Checks shall be payable to "The Genesee County Drain Commissioner".
- ☐ A copy of this Site Plan/Preliminary Plat Checklist, signed and dated.
- ☐ Transmittal Sheet.
- ☐ Letter signed and sealed from a professional engineer stating there is adequate sanitary sewer capacity for this development to the interceptor which shall include all calculations and flow maps. (Wholesale communities only)
- ☐ Authorization to Review letter from the local municipality
- ☐ Tax map of area with appropriate property highlighted. Tax map shall also show the surrounding area, including both sides of the road and can be obtained from the Genesee County Department of Equalization.
- ☐ Sheet size of 24" x 36" (If a different sheet size is proposed, this office must be contacted prior to submitting plans.)
- ☐ Legend
- ☐ Minimum scale shall be 1" = 50'
- ☐ GCDC-WWS 10 standard notes
- ☐ GCDC-WWS demolition notes

- ☐ GCDC-WWS standard notes and details sheets
- ☐ All existing (water, sanitary sewer, and storm water) utilities shown on the plans and labeled with their size (rims, inverts), elevation and material. Please also label any utilities in other areas where conflicts may arise.
- ☐ Recorded easements. Minimum width for easements shall be Sanitary Sewer = 20' and Watermain = 15'. The utility shall be entered in the easement.
- ☐ Architectural floor plan and plumbing plan sheets have been provided for calculation of all applicable tap-in and/or CCIF fees.
- ☐ Plan view of the proposed development or plat, including existing and future phases.
- ☐ Roadways, ROW size, lot numbers, future building numbers, parcel ID numbers, street address for site, street address for surrounding buildings, and lot configuration
- ☐ Plans have been submitted to GCDC-SWM (Surface Water Management) for storm and/or Surface Water review (if applicable).
- Does this project cross municipal boundaries? YES ☐ NO ☐
- If YES, are Franchise agreements in place that allow utility connection?
- YES ☐ NO ☐

### COVER SHEET

**The cover sheet shall, at a minimum, contained the following basic information:**

- ☐ Project name, address, scale, and north arrow
- ☐ Location map with layout sketch of project
- ☐ County, municipality, and section number
- ☐ Plans signed and sealed by a professional engineer, surveyor, or an architect.
- ☐ Developer's name, address, and phone number
- ☐ Sheet Index
- ☐ Legal description
- ☐ Plan distribution list including contact names and dates submitted to utility
- ☐ Total disturbed area and a statement clarifying whether an NPDES permit is or it not required
- ☐ 811 "Call Before You Dig" Alert
- ☐ Contractor Alert Statement (**in bold**). See Section C Item K of the site plan standards.

☐ A statement clarifying whether or not existing utilities were exposed for verification of location and elevations.

### **APPLICATIONS**

**The following applications shall be submitted with the site plan:**

☐ IPP permit application for all non-residential buildings (includes churches, schools, etc.)  
Applications can be downloaded from [www.gcdcwws.com](http://www.gcdcwws.com)

☐ SESC permit application, plans, and appropriate fees

**I hereby certify that the abovementioned items have been provided with the submitted plans.**

**Name of Party Preparing Checklist:** \_\_\_\_\_

**E-mail of Party Preparing Checklist:** \_\_\_\_\_

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

---

### **OFFICE USE ONLY**

**This application review packet will be reviewed for completeness within 5 business days of being received. If the application review packet is found to be incomplete it will be returned in its entirety to the entity that made the submission.**

**Dated Received:** \_\_\_\_\_

**Is this application complete?**      YES ☐      NO ☐

**Dated Verified:** \_\_\_\_\_

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**Project Engineer Detailed Review:**

**Sign:** \_\_\_\_\_ **Date:** \_\_\_\_\_

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**Note: It is necessary to submit only one set of plans for review and approval of sanitary sewer and watermain and only one set of plans for SESC review and permitting.**

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**REVIEWER COMMENTS:**



# GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE

-DIVISION OF-

## WATER & WASTE SERVICES

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

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

JEFFREY WRIGHT  
COMMISSIONER

### APPLICATION FOR NON-DOMESTIC DISCHARGE PERMIT

#### I. GENERAL INFORMATION

Name	(Owner/Manager/Contact Person)	Phone Number
Street	(Mailing address for correspondence)	
City	State	Zip Code
(Business Name)		
Street (Legal address, Tax ID, or parcel number of property discharging to sewer system)		
City	State	Zip Code
Township	County	
Phone	Fax	E-Mail
Name and Title of Person Completing Permit	Phone Number	

#### 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. Nature of the business: \_\_\_\_\_

B. Is this new construction? \_\_\_\_\_

C. Is this for a remodeling or addition? \_\_\_\_\_

D. Is this for a change of use? \_\_\_\_\_

E. Is this a multi-tenant space? \_\_\_\_\_

a. 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.

## F. 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<br>and Metal Powders       | <input type="checkbox"/> Nonferrous Metals Manufacturing                  |
| <input type="checkbox"/> Organic Chemicals, Plastics,<br>and Synthetic Fibers | <input type="checkbox"/> Paint Formulating                                |
| <input type="checkbox"/> Paving and Roofing Materials<br>(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): \_\_\_\_\_

## G. What types of waste(s) do you discharge to the sanitary sewer?

1. \_\_\_\_\_ Domestic Waste
2. \_\_\_\_\_ Cooling Water
3. \_\_\_\_\_ Scrubber Waters
4. \_\_\_\_\_ Photo processing / X-ray developing waters
5. \_\_\_\_\_ Grease Trap/ Grease Interceptor
6. \_\_\_\_\_ Process Water
7. \_\_\_\_\_ Arsenic discharge, backwash water from drinking water system
8. \_\_\_\_\_ 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.



- H. Do you use, store, or discharge any acids, bases, or materials listed in Table I (attached)?  
1. \_\_\_\_\_ Yes                      2. \_\_\_\_\_ No
- I. Does the operation of your processes or wastewater treatment facility result in a residual residue or sludge type waste?  
1. \_\_\_\_\_ Yes                      2. \_\_\_\_\_ No
- J. Schedule of operations:  
1. \_\_\_\_\_ Number Of Employees  
2. \_\_\_\_\_ Hrs/day    \_\_\_\_\_ days/wk    \_\_\_\_\_ shifts/day    \_\_\_\_\_ mos/yr \_\_\_\_\_  
3. Size of the facility: \_\_\_\_\_
- K. **If your answer to Section I. Question G. was only 1 Domestic waste, sign and return this portion of the publication.**
- L. If your answer to Section I. Question G. was other than 1, complete Sections II through VII of this form, sign, and return it to:  
  
Lisa Milton  
Genesee County Drain Commissioner's Office  
G-4610 Beecher Road  
Flint, MI 48532

**Lisa Milton can be contacted by phone at (810) 232-7662 extension 2233, or by email at [lmilton@gcdcwws.com](mailto:lmilton@gcdcwws.com).**

## **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:  
  
\_\_\_\_\_  
\_\_\_\_\_
- B. Describe each process **(including flow diagrams and plumbing schematics)**: \_\_\_\_\_  
  
\_\_\_\_\_
- C. Is any of the enclosed information considered to be confidential?  
1. \_\_\_\_\_ Yes                      2. \_\_\_\_\_ No  
  
If yes, explain what and why. (All requests for confidentiality will be processed according to 40 CFR, Part 2): \_\_\_\_\_  
  
\_\_\_\_\_
- D. Water Supply: 1. \_\_\_\_\_ Municipal    2. \_\_\_\_\_ Well    3. \_\_\_\_\_ 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)?

1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No

### III. PROCESS WASTEWATER

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

1. Surface waters. Name of receiving waters: \_\_\_\_\_
2. Septic tank-tile field.
3. Surface of ground.
4. Municipal sanitary sewer.
5. Storm sewer.
6. Other \_\_\_\_\_

- B. Volumes of discharge: 1. Average Daily Flow: \_\_\_\_\_ gallons per day.  
2. Maximum Daily Flow: \_\_\_\_\_ gallons per day.  
3. 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?

1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ 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: 1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No  
If Box 1 is checked: Type: \_\_\_\_\_  
Size: \_\_\_\_\_  
Frequency of Operation: \_\_\_\_\_  
If Box 2 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?  
1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No
- G. Are any of the materials listed in Table I discharged with the wastes?  
1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No 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?  
1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No
- C. Is separate secondary containment provided for those processes which contain chemicals listed in Table I?  
1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No
- D. Has separate storage been provided for those chemicals which cause hazardous reactions; i.e., acids with cyanide, acids with bases?  
1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ 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)?

1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ No

C. Type of sample:

1. \_\_\_ Grab 2. \_\_\_ Composite (time based) 3. \_\_\_ Composite (flow proportioned)

D. Is a sampling vault and/or manhole provided?

1. \_\_\_\_\_ Yes 2. \_\_\_\_\_ 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 \_\_\_\_\_

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

89. malachite green
90. methylenebis(2-chloroaniline)
91. 4,4-methylenebis(2-methylaniline)
92. 4,4-methylenebis(N,N-dimethylaniline)
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. Npntirosodi-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. piperonly 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  
 187. carbaryl  
 188. carbophenothion  
 189. chlorodane  
 190. chlordecone  
 191. chlorfenvinphos  
 192. chlorobenzilate  
 193. chlorpyrifos  
 194. clonitralid  
 195. coumaphos  
 196. crotoxyphos  
 197. cycloheximide  
 198. DDT  
 199. demeton  
 200. diallate  
 201. diazinon  
 202. dibromochloropropane  
 203. dichlone  
 204. dichlorvos  
 205. dichrotophos  
 206. dieldrin  
 207. dimethoate  
 208. dinocap  
 209. dinoseb  
 210. dioxathion  
 211. disulfoton  
 212. endosulfan  
 213. endrin  
 214. EPN  
 215. ethion  
 216. fensulfothion  
 217. fenthion  
 218. fluchloralin  
 219. heptachlor  
 220. heptachlor epoxide  
 221. Isomes of hexachlorocyclohexane  
     a. a-BHC-Alpha  
     b. b-BHC-Beta  
     c. g-BHC-Delta  
 222. leptophos  
 223. malathion  
 224. a. 4,4'-DDE;(p,p'-DDE)  
     b. 4,4'-DDD;(p,p'-TDE)  
 225. metabolites of endosulfan  
     a. ensosulfan sulfate  
 226. metabolites of endrine  
     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  
 242. phorate  
 243. phosazetim  
 244. phosmet  
 245. phosphamidon  
 246. rotenone  
 247. silvex, propylene glycolbutyl ether ester  
 248. sodium fluoroacetate  
 249. strychnine  
 250. sulfallate  
 251. sulfotepp  
 252. TDE  
 253. TEPP  
 254. terbufos  
 255. tetrachlorvinphos  
 256. thiram  
 257. toxaphene  
 258. trichlorfon  
 259. trichlorophenoxyacetic acid (2,4,5-T)  
 260. trifluralin  
 261. ziram

#### **E. ADDITIONAL POLLUTANTS**

262. Acidity  
 263. Alkalinity  
 264. Bacteria  
 265. BOD5  
 266. COD  
 267. Chloride  
 268. Fluoride  
 269. Hardness  
 270. Magnesium  
 271. Ammonia Nitrate  
 272. Oil and Grease  
 273. TSS  
 274. TOC  
 275. Kjeldahl Nitrogen  
 276. Nitrate N  
 277. Nitrite N  
 278. Organic N  
 279. Orthophosphate P  
 280. Phosphorus  
 281. Sodium  
 282. Specific Conductivity  
 283. Sulfate (SO4)  
 284. Sulfite (SO3)  
 285. Sulfide (S)

Note: This is an edited list.

**CODE**      **TITLE**

**AGRICULTURE**

0100      Agricultural Production- Crops  
0200      Agricultural Production Livestock  
0211      Beef Cattle Feedlots  
0241      Dairy Farms  
0700      Agricultural Services

**MINING**

1000      Metal Mining  
1011      Iron Ores  
1021      Copper Ores  
1081      Metal Mining Services  
1300      Oil & Gas Extraction  
1380      Oil & Gas Field Services  
1400      Nonmetallic Minerals  
1422      Crushed & Broken Limestone  
1440      Sand & Gravel  
1450      Clay & Refractory Minerals  
1470      Chemical & Fertilizer Minerals  
1492      Gypsum

**CONSTRUCTION**

1500      General Building Contractors  
1600      Heavy Construction Contractors

**MANUFACTURING**

2000      Food & Kindred Products  
2010      Meat Products  
2011      Meat Packing Plants &  
            Slaughter Houses  
2020      Dairy Products  
2030      Canned Fruits & Vegetables  
2033      Canned Fruits & Vegetables  
2035      Pickles, Sauces, Salad Dressings  
2037      Frozen Fruits & Vegetables  
2040      Grain Mill Products  
2043      Cereal Breakfast Foods  
2047      Dog, Cat, & Other Pet Food  
2050      Bakery Products  
2060      Sugar & Confectionery Products  
2063      Beet Sugar  
2070      Fats & Oils  
2076      Vegetable Oil Mills  
2077      Animal & Marine Fats & Oils  
2080      Beverages  
2082      Malt Beverages  
2084      Wines, Brandy, & Brandy Spirits  
2085      Distilled Liquors (except brandy)  
2086      Bottled & Canned Soft Drinks  
2087      Flavoring Extracts & Syrups  
2090      Misc Foods & Kindred Products  
2091      Canned & Cured Seafood  
2092      Fresh Or Frozen Packaged Fish

2200  
2300  
2400  
2420  
2430

2440  
2448  
2450  
2490  
2491  
2492  
2500

2600

2611  
2621  
2631  
2640  
2650  
2661

2700

2710  
2750  
2790

2800

2810  
2820  
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2899

2900

2911  
2950

3000

3011  
3069  
3079  
3100

3111

Textile Mill Products  
Apparel & Other Textile Products  
Lumber & Wood Products  
Sawmills & Planing Mills  
Millwork, Plywood, & Structural  
Members  
Wood Containers  
Wood Pallets & Skids  
Wood Buildings & Mobile homes  
Misc Wood Products  
Wood Preserving  
Particleboard  
Furniture & Fixtures

**PAPER & ALLIED PRODUCTS**

Pulp Mills  
Paper Mills (Except Building Paper)  
Paperboard Mills  
Misc Converted Paper Products  
Paperboard Containers & Boxes  
Building Paper & Board Mills

**PRINTING & PUBLISHING**

Newspapers  
Commercial Printing  
Printing Trade Service

**CHEMICALS & ALLIED PRODUCTS**

Industrial Inorganic Chemicals  
Plastic Materials & Synthetics  
Drugs  
Soap, Cleaners, & Toilet Goods  
Paints & Allied Products  
Industrial Organic Chemicals  
Agricultural Chemicals  
Misc Chemical Products  
Adhesives & Sealants  
Explosives  
Printing Inks  
Salt (By Evaporation)

**PETROLEUM & COAL PRODUCTS**

Petroleum Refining  
Paving & Roofing Materials

**RUBBER & MISC PLASTIC PRODUCTS**

Tires & Inner Tubes  
Fabricated Rubber Products  
Misc Plastic Products

**LEATHER & LEATHER  
PRODUCTS**

Leather Tanning & Finishing

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
		3550	Special Industry Machinery
3271	Concrete Block & Brick	3560	General Industrial Machinery
3273	Ready-Mixed Concrete	3570	Office & Computing Machines
3274	Lime	3580	Refrigeration & Service Machinery
3275	Gypsum Products	3590	Misc Machinery (Except Electrical)
3290	Misc Nonmetallic Mineral Products		
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
		3640	Electric Lighting & Wiring Equipment
3300	<b>PRIMARY METAL INDUSTRIES</b>	3650	Radio & TV Receiving Equipment
		3660	Communication Equipment
3310	Blast Furnaces & Basic Steel	3670	Electronic Components & Accessories
3312	Blast Furnaces & Steel Mills	3690	Misc Electrical Equipment, Supplies
3313	Electrometallurgical Products	3700	<b>TRANSPORTATION EQUIPMENT</b>
3315	Steel Wire & Related Products	3710	Motor Vehicles & Equipment
3316	Cold Finishing Of Steel Shapes	3711	Motor Vehicles & Car Bodies
3317	Steel Pipe & Tubes	3714	Motor Vehicles, Parts & Accessories
3320	Iron & Steel Foundries	3715	Truck Trailers
3321	Gray Iron Foundries	3720	Aircraft & Parts
3322	Malleable Iron Foundries	3730	Ship & Boat Building & Repairing
3330	Primary Nonferrous Metals	3740	Railroad Equipment
3331	Primary Copper	3750	Motorcycle, Bicycles, & Parts
3332	Primary Lead	3760	Guided Missiles & Space Vehicle Parts
3333	Primary Zinc	3790	Misc Transportation Equipment
3334	Primary Aluminum	3792	Travel Trailers & Campers
3340	Secondary Nonferrous Metals	3795	Tanks & Tank Components
3360	Die Casting	3800	<b>INSTRUMENTS &amp; RELATED PRODUCTS</b>
3361	Aluminum Foundries		
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		
3450	Screw Machine Products, Bolts, etc.	3910	Jewelry, Silverware, & Plated Ware
3460	Metal Forgings & Stampings	3930	Musical Instruments
3462	Iron & Steel Forgings	3940	Toys & Sporting Goods
3463	Nonferrous Forgings	3950	Pens, Pencils, Office, & Art Supplies
3465	Automotive Stampings	3990	Misc Manufacturers
3470	Metal Services		
3471	Plating & Polishing		
3479	Metal Coating & Allied Services		

	<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)		
7992	Public Golf Courses		
7996	Amusement Parks		



Genesee County  
**Drain Commissioner**  
Water & Waste Services

G-4610 Beecher Road Flint, MI 48532  
Phone (810) 732-7870 Fax (810) 732-9773  
[www.gcdcwws.com](http://www.gcdcwws.com)

**COMMERCIAL SOIL EROSION & SEDIMENTATION CONTROL PERMIT APPLICATION**

**1. APPLICANT** (Please check if applicant is the landowner or designated agent\*)

<input type="checkbox"/> Landowner <input type="checkbox"/> Designated Agent	NAME:	EMAIL:	
ADDRESS:			
CITY:	STATE:	ZIP:	PHONE:

**2. LOCATION**

SECTION	<input type="checkbox"/> CITY <input type="checkbox"/> TOWNSHIP <input type="checkbox"/> VILLAGE	PROPERTY TAX ID #
SUBDIVISION:	LOT #	STREET ADDRESS:

**3. PROPOSED EARTH CHANGE**

Project Type: Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Multi-Family <input type="checkbox"/> Land Balancing <input type="checkbox"/> Commercial <input type="checkbox"/>		
Describe Project	Size of Earth Change (Acres, Linear feet or square feet)	
Name of and distance to nearest Lake, Stream, or Drain	Date Project to start	Date Project to be complete

**4. SOIL EROSION AND SEDIMENTATION CONTROL PLAN** (Refer to Rule 323.1703 of Part 91)

Note: One complete set of plans must be attached.	Estimated Cost of Erosion and Sedimentation Control	
	Plan Preparer's Name	Phone #

**5. PARTIES RESPONSIBLE FOR EARTH CHANGE**

Name of Landowner (if not provided in Box. 1 above)		Address		
Email:				
City	State	Zip	Phone #	
Name of Individual "On Site" Responsible for Earth Change			Company Name	
Email:				
Address	City	State	Zip	Phone

**6. PERFORMANCE DEPOSIT** (If required by the permitting agency)

Amount Required \$:				
Name of Surety Company:				
Address	City	State	Zip	Phone

**7. NOTICE TO APPLICANT**

I hereby acknowledge that if a soil and sedimentation permit is issued, I hereby voluntarily grant the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents permission to enter onto my property to ensure that the project conforms to the soil erosion and sedimentation permit issued. I further understand that if I revoke my consent for the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents to enter onto the property set forth herein, the permit is automatically revoked, I will need to resubmit a new soil erosion and sedimentation permit application and I must cease all earth moving activities on the property.

I further understand that if I continue to perform earth moving activities on the property after revoking my consent for the employees of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services, or their designated agents to enter onto the property set forth herein, I may be subject to one or more of the enforcement procedures set forth in Part 91 of Act No. 451 of the Public Acts of 1994, as amended, and the administrative rules promulgated thereunder, including, but not limited to, being issued a civil infraction citation, having an injunction issued to prevent any further earth moving activities on the aforementioned property, the right of the Genesee County Drain Commissioner's Office, Division of Water and Waste Services or its agents to enter onto my property to install soil erosion and sedimentation control procedures and lien the property for all costs associated with installing the soil erosion and sedimentation control procedures, and/or the forfeiture of any security submitted in the amount required to bring the property into compliance with Part 91 of Act No. 451 of the Public Acts of 1994, as amended.

I hereby acknowledge that the information contained herein is truthful and accurate to the best of my knowledge. I understand that if I knowingly make any false statement in this application it may result in a civil fine of not more than \$10,000.00 per day for each violation.

I (we) affirm that the above information is accurate and that I (we) will conduct the above-described earth change in accordance with Part 91, Soil Erosion and Sedimentation Control, of the Natural Resource and Environmental Protection Act, 1994 PA 451, as amended, applicable local ordinances, and the documents accompanying this application.		
Landowner's Signature	Print Name	Date
Designated Agent's Signature*	Print Name	Date

\* Designated agent must have a written statement from landowner authorizing him/her to secure a permit in the landowner's name.



LOG NO: \_\_\_\_\_

DATE: \_\_\_\_\_

**Genesee County Drain Commissioner Division of Water and Waste Services**  
**Soil Erosion and Sedimentation Control Plan Submittal Checklist**

All SESC plans submitted to this office shall at a minimum be accompanied by the following information.

1. \_\_\_\_ Legal description, tax I.D. number and/or survey of site.
2. \_\_\_\_ A SESC site plan (scale of not more than 1"=200' on 24"x36" sheets) of the property with the items below clearly labeled :(Residential can be submitted on letter or legal paper)
  - A. \_\_\_\_ Name and address of Applicant. Name and address of landowner.
  - B. \_\_\_\_ Project Name, location, proximity to waters of the State (lake, stream, drain, wetlands) and (the 100 year floodplain contour for those waters for commercial applications only).
  - C. \_\_\_\_ Location map, NORTH arrow and drawing scale.
  - D. \_\_\_\_ Limits of earth change delineated and clearly labeled.
  - E. \_\_\_\_ Existing and proposed contours. If unchanged so state.
  - F. \_\_\_\_ Existing and proposed on-site and off-site (within drainage area of earth change) drainage and dewatering facilities including temporary dewatering shall be clearly labeled and identified.
  - G. \_\_\_\_ Existing on-site vegetation (type and location).
  - H. \_\_\_\_ Soil stock pile locations.
  - I. \_\_\_\_ Description of installation and location of all temporary and permanent erosion control measures, with measures clearly drafted and labeled with the (Michigan Unified Keying System and GCDC-WWS Specifications for commercial applications only).
  - J. \_\_\_\_ A program proposal for the continued maintenance of all permanent soil erosion and sediment control measures that remain after project completion.
  - K. \_\_\_\_ Person responsible for continued maintenance once permit is closed

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Phone #: \_\_\_\_\_  
Email address: \_\_\_\_\_

- 3.\_\_\_\_ A topographic map with the affected area clearly labeled.
- 4.\_\_\_\_ Existing soils information, with project area clearly labeled. (Soils Map)
- 5.\_\_\_\_ A completed Soil Erosion and Sedimentation Control application.
- 6.\_\_\_\_ A completed construction and maintenance schedule including a plan for permanent stabilization.
- 7.\_\_\_\_ A copy of any submitted MDEQ permit applications (as applicable) required for completing earthwork within the boundaries of waters of the state.

**I hereby certify that the above information has been provided with the submitted plans.**

Name of Party Preparing Checklist: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

---

**OFFICE USE ONLY**

This application review packet will be reviewed for completeness within 5 business days of being received. If the application review packet is found to be incomplete it will be returned in its entirety to the entity that made the submission.

Dated Received: \_\_\_\_\_

Is this application complete? YES ☐ NO ☐

Dated Verified: \_\_\_\_\_

---

**SESC Detailed Review:**

Sign: \_\_\_\_\_ Date: \_\_\_\_\_

Project Engineer Authorization to issue SESC Permit: \_\_\_\_\_  
(Commercial SESC ONLY)

Date: \_\_\_\_\_

**Note: It is necessary to submit only one set of plans for review**

# SESC CONSTRUCTION AND MAINTENANCE SCHEDULE

Project Name: \_\_\_\_\_  
 Anticipated Start Date: \_\_\_\_\_  
 Anticipated End Date: \_\_\_\_\_

## Construction Schedule

Construction Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Temporary SESC Measures													
Strip and Stockpile													
Rough Grading													
Underground Utilities													
Road Installation													
Building Construction													
Permanent SESC Measures													
Final Grade													
Landscaping													

## Maintenance Schedule

Maintenance Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Street Sweeping													
Silt Fencing													
Maintain Buffer Strips													
Inlet Structures													
Seeding and Mulch													
Sediment Basins													
Rip-Rap													
Remove Temporary Measures													

## Seeding and Planting Schedule

**Temporary:** (Refer to Tables 4 & 6 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lb/acre

**Permanent:** (Refer to Tables 4 & 6 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lb/acre

**Trees and Shrubs:** (Refer to Table 7 in MDEQ "Guidelines for Vegetative Erosion control" included with this packet)

Area on Plan	Quantity	Common Name	Scientific Name	Drainage Class	Notes

GENESEE COUNTY DRAIN COMMISSIONER  
SOIL EROSION BOND  
(To Accompany Application for Permit)

Bond NO. \_\_\_\_\_

\_\_\_\_\_  
(Name of development)

\_\_\_\_\_  
(S-Permit) / Log #

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_  
as principal and \_\_\_\_\_ as surety, are held and firmly bound unto  
the Genesee County Drain Commissioner in the penal sum of \_\_\_\_\_  
dollars, for the payment of which, well and truly to be made, we bind ourselves and our heirs, executors  
and administrators, jointly and severally, firmly by these presents.

Sealed with our seals and dated this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 20\_\_\_\_.

WHEREAS, the above bounded \_\_\_\_\_ has made application to said Drain  
Commissioner for a permit as stated in the application therefore.

NOW THEREFORE, the condition of this obligation is such that if the above bounded shall perform the  
undertakings of said application in the manner prescribed in the permit therefore issued by said Drain  
Commissioner and shall well and truly pay for all damages on account of such construction, earth moving  
and all other damages fines and penalties which he shall become liable to pay and shall save said Genesee  
County Drain Commissioner harmless and indemnify them from all suits, claims, damages and proceedings  
of every kind arising out of the aforesaid damages and injuries and shall observe all the terms and  
conditions of the permit to be issued, then this obligation to be void, otherwise of full force and effect.

Principal \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Principal's Mailing address

Surety \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Surety's Mailing Address

.....  
NOTICE TO SURETY OF  
ISSUANCE OF PERMIT

This is to inform you that a permit,  
covered by the above bond has been  
issued as follows:

Applicant \_\_\_\_\_

Contractor \_\_\_\_\_

Permit No. \_\_\_\_\_

Permit Date \_\_\_\_\_

Please include this information on all  
correspondence concerning the bond.

NOTICE OF TERMINATION  
OF LIABILITY

This is to inform you that:

The permit operations  
covered by the above bond  
have been completed  
satisfactorily.

The permit covered by  
above has been canceled.

Liability under the bond is  
therefore terminated effective

\_\_\_\_\_  
(Date)

By: \_\_\_\_\_

**Table 4. Example Seeding Mixtures for Introduced Species**

Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lbs/acre
1	Creeping red fescue	WD, MWD	A, C/F, WW	40
2	Creeping red fescue White clover, red clover, or alfalfa	WD, MWD	C/F	30 4
3	<b>Smooth brome</b> grass Creeping red fescue White clover, red clover, or alfalfa	WD, MWD	C/F	15 15 4
4	<b>Smooth brome</b> grass alfalfa	WD, MWD	C/F, WW	30 4
5	<b>Smooth brome</b> grass Creeping red fescue	WD, MWD	C/F, WW	20 20
6	<b>Kentucky blue</b> grass Creeping red fescue	MWD	A, C/F	20 20
7	Creeping red fescue <b>Tall fescue</b>	MWD	C/F, WW	20 20
8	Creeping red fescue Creeping bentgrass	MWD, SPD	A, C/F	40 1
9	<b>Smooth brome</b> grass <b>Tall Fescue</b>	MWD, SPD	C/F, WW	20 20
10	<b>Smooth brome</b> grass Timothy Red clover	MWD, SPD	C/F, WW	15 4 4
11	<b>Smooth brome</b> grass Creeping red fescue <b>Kentucky blue</b> grass <b>Birdfoot trefoil</b>	MWD, SPD	C/F, WW	10 10 10 4
12	<b>Tall fescue</b> Creeping bentgrass	SPD, PD	C/F, WW	40 1
13	<b>Tall fescue</b> Alsike clover or <b>birdfoot trefoil</b>	SPD, PD	C/F, WW	40 1
14	Redtop Timothy Alsike clover or <b>birdfoot trefoil</b>	SPD, PD	C/F	2 5 2
15	<b>Tall Fescue</b> <b>Smooth Brome</b> grass Creeping bentgrass <b>Birdfoot trefoil</b>	SPD, PD	C/F, WW	12 12 1 6
16	<b>Tall fescue</b> Redtop	SPD, PD, VPD	C/F, WW	20 2

Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate lbs/acre
17	Redtop Alsike clover or birdfoot trefoil	PD, VPD	C/F	4 2
18	Creeping red fescue <b>Kentucky bluegrass</b> Redtop Timothy Alsike clover	See Note #1	C/F	8 8 1 2 3
19	Creeping red fescue Redtop <b>Tall fescue</b> <b>Smooth Brome</b> grass Alsike clover or <b>birdfoot trefoil</b> White clover, red clover, or alfalfa	See Note #1	C/F, WW	6 1 6 6 3 3

Five pounds of annual or perennial ryegrass may be added to any mixture if quick cover is desired.

1 - These mixtures are suitable for large or linear projects where several soil types may be encountered, but a single seed mixture is desired for the entire project.

**Table 6. Seed Selection Guide for some Commonly Available Native Grasses**

Common Name	Scientific Name	Seeding Rate lbs/acre	Drainage Class Suitability	Notes
American beachgrass	<i>Ammophila breviligulata</i>		Dunes, WD sands	1
"Tioga" Deer tongue	<i>Panicum clandestinum</i>	15	WD, MWD	2, 3
Little bluestem	<i>Schizachyrium scoparius</i>	12	WD, MWD	2
Big bluestem	<i>Andropogon gerardii</i>	15	WD, MWD, SPD	2
Switch grass	<i>Panicum virgatum</i>	10	WD, MWD, SPD	2
Indian grass	<i>Sorghastrum nutans</i>	10	WD, MWD, SPD	2

**Notes:**

- 1 - Beachgrass is planted vegetatively; see text.
- 2 - Warm season grasses.
- 3 - Suitable for sand and gravel pit and mine reclamation.

A great variety of native species are available; consult suppliers for cultural information.



**KEY FOR Information in Tables 4, 5, 6, and 7**

Abbreviations for *Soil Natural Drainage Classes*

WD = Well Drained

MWD = Moderately Well Drained

SPD = Somewhat Poorly Drained

PD = Poorly Drained

VPD = Very Poorly Drained

Abbreviations for *Suitable Uses* (Table 4)

A = Sites maintained as a lawn

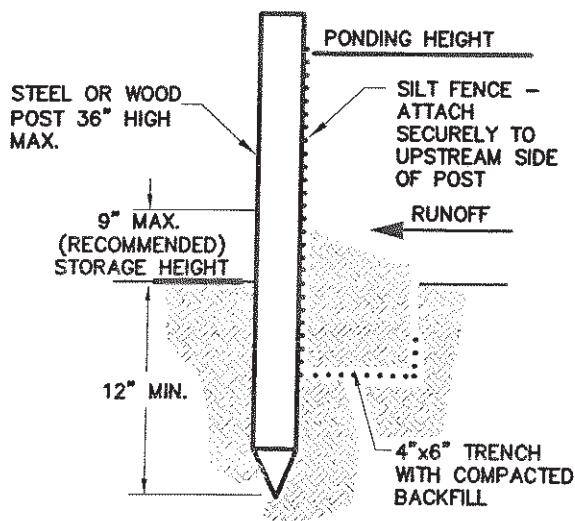
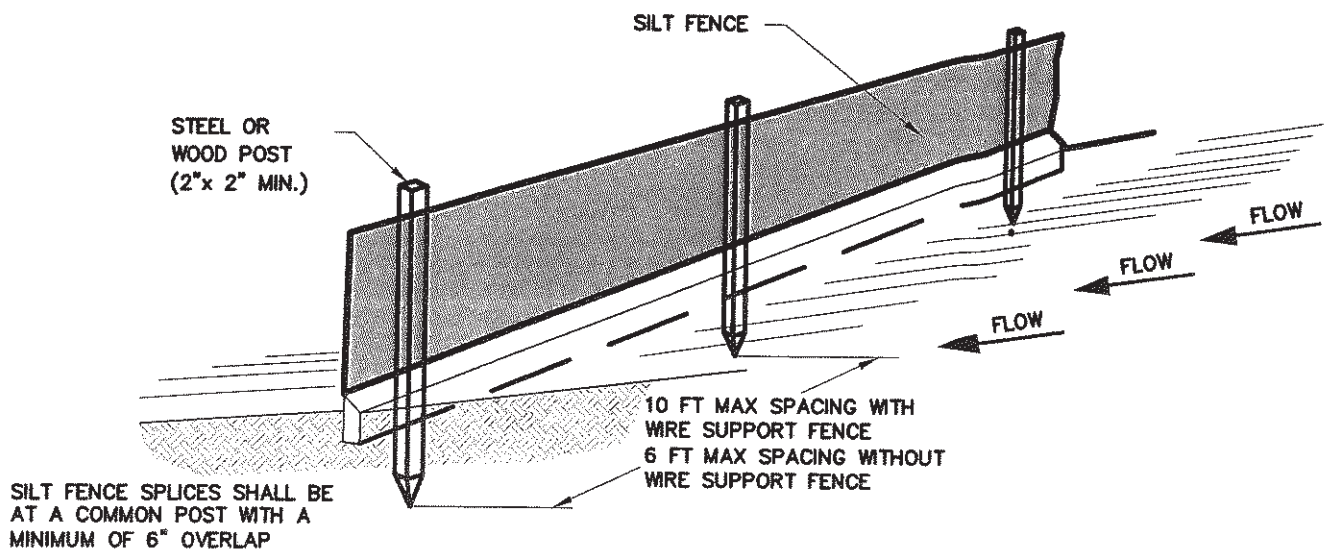
C/F = Cut and fill, slopes, ditch banks

WW = Areas subject to periodic storm water flow such as grassed waterways,  
ditch bottoms, diversions

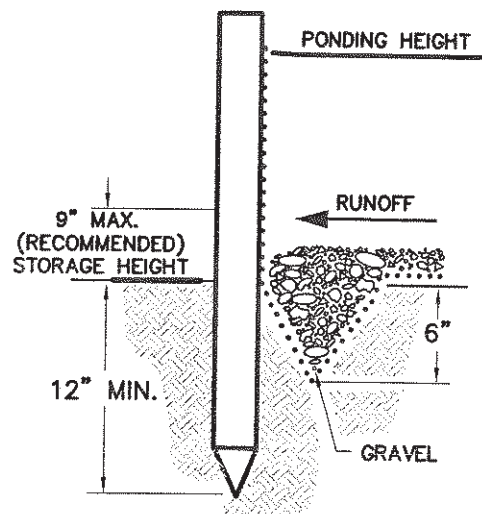
Species shown in **bold face** may be invasive and should not be planted where they can escape into sensitive natural areas.

**Table 7. Selected Trees and Shrubs for Erosion Control**

Common Name	Scientific Name	Drainage Class Suitability	Notes
<b>Evergreen Trees</b>			
Jack Pine	<i>Pinus banksiana</i>	WD, MWD, SPD	
Red Pine	<i>Pinus resinosa</i>	WD, MWD	
White Pine	<i>Pinus strobus</i>	MWD, SPD	
Norway Spruce	<i>Picea abies</i>	WD, MWD	1
<b>Deciduous Trees</b>			
Quaking aspen	<i>Populus tremuloides</i>	WD, MWD, SPD	
Bigtooth aspen	<i>Populus grandidentata</i>	WD, MWD	
Hybrid poplar	<i>Populus spp.</i>	WD, MWD, SPD	1
Red maple	<i>Acer rubrum</i>	ADAPTABLE	
Silver maple	<i>Acer saccharinum</i>	MWD, SPD, PD	
Hawthorn	<i>Crataegus spp.</i>	varies by species	3
Black willow	<i>Salix nigra</i>	SPD, PD, VPD	
With the exception of hawthorn, the trees listed above are fast growing and selected for their potential use in windbreaks.			
<b>Shrubs</b>			
Northern bayberry	<i>Myrica pensylvanica</i>	WD, MWD	1,2
Fragrant sumac	<i>Rhus aromatica</i>	WD, MWD	2
Staghorn sumac	<i>Rhus typhina</i>	WD, MWD	
Gray dogwood	<i>Cornus foemina (racemosa)</i>	WD, MWD, SPD	
Red-osier dogwood	<i>Cornus Stolonifera</i>	SPD, PD, VPD	
Cranberry-bush viburnum	<i>Viburnum opulus (trilobum)</i>	SPD, PD, VPD	
Scrub willows	<i>Salix spp.</i>	SPD, PD, VPD	
Blackberry/raspberry	<i>Rubus spp.</i>	varies by species	3
The shrubs listed above are selected for vigorous and extensive root growth, Willows are particularly useful for stream bank stabilization; they will sprout from cuttings or branch bundles if moisture is adequate.			
<b>Notes -</b>			
1 - These species are not native to Michigan (bayberry is native, but very rare).			
2 - These species may not be cold hardy in the Northern Lower or Upper Peninsula.			
3 - Thorny species are useful for excluding humans where foot traffic may create erosion sites.			



**STANDARD DETAIL**  
TRENCH WITH NATIVE BACKFILL



**ALTERNATE DETAIL**  
TRENCH WITH GRAVEL

#### APPLICATIONS

1. INSTALLED TO REDUCE SEDIMENT LADEN SURFACE RUNOFF FROM LEAVING THE PROPERTY OF A CONSTRUCTION SITE INVOLVING DISTURBED EARTH.
2. DIVERSIONARY STRUCTURE.

#### DESIGN

1. INSTALL AROUND THE BASE OF SOIL STOCKPILES.
2. UTILIZE FOR SHEET FLOW ONLY.

#### DESIGN (CONT)

3. INSTALL ON DOWN STREAM SIDE OF CONSTRUCTION.
4. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
5. IF POSSIBLE LOCATE FENCE 10-FT. FROM TOP OF SLOPE, WETLAND OR WATER BODY.



# GENESEE COUNTY DRAIN COMMISSIONER'S OFFICE

- DIVISION OF -

## WATER & WASTE SERVICES

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

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

JEFFREY WRIGHT  
COMMISSIONER

### Industrial Pretreatment Program Fee Structure – Nondomestic Discharge Permits

1. Application Review Fee	\$50	New each 5 years
2. General Permit Fee (no process water)	\$50	No expiration
3. Temporary General Permit Fee (no process water)	\$25	Annually
4. Temporary Food Service Establishment BMP Permit Fee	\$50	Annually
5. Temporary Food Service Establishment Permit Fee w/o BMP	\$100	Annually
6. Food Service Establishment BMP Permit Fee	\$75	Annually
7. Food Service Establishment Permit Fee w/o BMP	\$150	Annually
8. Minor Industrial Discharge Permit	\$150	Annually
(Car Wash, Oil Change Facilities, X-Ray Processing, One-Hour Photo)		
9. Dental BMP Permits (with amalgam separator)	\$75	Annually
10. Dental Permit w/o BMP (no amalgam separator)	\$150	Annually
11. Medical PRP Permits (mercury potential)	\$75	Annually
12. Medical Permit w/o PRP (mercury potential)	\$150	Annually
13. Low Strength Remediation Water with Pretreatment	\$0.03	Per Gallon*
14. Low Strength Remediation Water w/o Pretreatment	\$0.06	Per Gallon*
15. Tanked Waste	\$0.074	Per Gallon*
16. High Volume Tanked Waste	\$0.03	Per Gallon*

To qualify for the High Volume Rate the disposer must deliver  
To the designated WWS receiving station a minimum of  
200,000 gallons in one calendar month

### High Strength Compatible Pollutant Surcharge Rates

1. BOD5	\$0.14/lb
2. Total Suspended Solids	\$0.12/lb
3. Ammonia	\$0.68/lb
4. Phosphorus	\$1.90/lb

\*Requires an account established prior to discharge and pre-payment of fees. Additional charges may be incurred for high strength compatible pollutant discharges.

Approved: \_\_\_\_\_

John F. O'Brien

Director of Water and Waste Services

Date Effective: June 1, 2014

## **FEE SCHEDULE**

### **SOIL EROSION AND SEDIMENTATION CONTROL FEES**

- |   |   |
|---|---|
| 1.) Single Family Residential ( <u>Homeowner</u> performing the work on existing house and per lot or parcel) |   |
| a.) Application Review Fee  | \$ 35   |
| b.) Waiver for Single Family Residential  | No Additional Charge                              |
| c.) Permit Fee for Single Family Residential, including permit renewal.                                       | \$ 100  |
| d.) Permit Fee for Personal Recreational Pond   | \$ 75   |
| 2.) Single Family Residential ( <u>Contractor</u> performing the work per lot or parcel)                      |   |
| a.) Application Review Fee  | \$ 35   |
| b.) Waiver for New Home   | No Additional Charge                              |
| c.) Permit Fee for New Home or addition, including permit renewal.<br>6 month duration/12 month duration.     | \$ 100/\$200                                      |
| d.) Permit Fee for Personal Recreational Pond   | \$ 75   |
| 3.) Multi-Family, Commercial or Industrial  |   |
| a.) Application Review Fee for Non Single Family Residential Site   | \$100 per acre                                    |
| b.) Permit Fee Min. 6 month permit duration including renewal   | \$100 per month                                   |
| c.) Waiver for Non-Single Family Residential Site   | No Additional Charge                              |
| 4.) Utility – Trench Construction Only  |   |
| a.) Application Review Fee  | \$100   |
| b.) Permit Fee  | \$0.20 Per Lineal Foot with<br>A Minimum of \$250 |
| 5.) Miscellaneous Fees  |   |
| a.) Permit Transfer   | \$ 35   |
| b.) Issue/Lift Cease and Desist Order   | \$200   |
| c.) Commence Construction Without Permit  | Double Normal Fee                                 |
| 6.) SESC Bond   |   |
| a.) Cash Bond, Surety Bond, or Letter of Credit   | \$3,000 Per Acre Disturbance                      |

### **PLAN REVIEW FEES – SITE PLANS, PLATS, CONSTRUCTION PLANS**

- |  |                |
|--|----------------|
| 1.) Plan Review Fee (Initial and One Follow-Up Review)     | \$250          |
| a.) Each Additional Review                                 | \$250          |
| 2.) Utility Capacity Review (If Not Under O & M Agreement) | \$100 Per Hour |
| 3.) Grinder Pump Station Permit Review Fee                 | \$200          |

### **INSPECTION FEES**

- |  |  |
|--|--|
| 1.) S-Permit (Sanitary Sewer and Watermain) – All Applicants   | \$2.00 Per Lineal Foot                                       |
| a.) Final Testing  | \$300  |
| b.) Water Usage  | \$85 Minimum (Or Actual Use<br>(Based On Diameter & Length)) |
| 2.) B-Permit Inspection - location and pipe type only<br>does not replace other required inspections |  |
| a.) Service Lead Inspection (sewer & water)  | \$50   |
| 3.) IPP Device Inspection (grit trap, grease trap, etc.)   | \$50   |

**WATER SERVICE LEAD INSTALLATION FEES**

	<u>Standard</u>	<u>Non-Standard Composite</u>
1.) 1" Service Lead DI (includes meter)	\$3,950	\$3,950
5/8" Meter Only	\$265	\$305
2.) 1" Service Lead DI (includes meter)	\$3,950	\$3,950
1" Meter Only	\$340	\$390
3.) 1" Service Lead Steel (includes meter)	\$13,400	\$13,450
1" Meter Only	\$340	\$390
4.) 1-1/2" Service Lead DI (includes meter)	\$8,300	\$8,715
1-1/2" Meter Only	\$1,200	\$1,615
5.) 2" Service Lead DI (includes meter)	\$9,400	\$9,815
2" Meter Only	\$1,425	\$2,255

*Please Contact Our Office for Information Regarding Meters Larger Than 2"  
 Meters Will Be Charged at Market Value*

**WELL METERS**

*Installed on Wells to Meter for Sewerage Discharge  
 Includes Cost Recovery For 5-Year Replacement and Installation of Radio Reader Device*

	<u>Standard</u>	<u>Non-Standard Composite</u>
1.) 5/8" Meter	\$340	\$380
2.) 1" Meter	\$415	\$465
3.) 1-1/2" Meter	\$1,225	\$1,640
4.) 2" Meter	\$1,500	\$1,915

**ADDITIONAL FEES**

1.) Adjustment Permit for Sanitary Manhole	\$100 Minimum or Actual Cost
2.) Fire Hydrant Relocation	Calculated at \$50/hr \$500 Minimum or Actual Cost
3.) Hydrant Flow Test	\$100
4.) Special Inspections	Calculated at \$50/hr \$50/hr – Straight Time \$75/hr – Overtime
5.) Vehicle Charge	\$100/Day
6.) Meter Test / Calibration	\$75
7.) Saddle Tap	\$200 Gravity Line \$400 Force Main
8.) Duplication Charges – Prints, Maps, Etc.	
a.) 24 x 36 – Hard Copies	\$5/Page
b.) 24 x 36 – Digital Transfer	\$3/Page
c.) 36 x 36 – Hard Copy	\$8/Page
d.) 36 x 36 – Digital Transfer	\$6/Page

**HYDRANT GENERAL**

*Contact Office for Locations and Current Water Rates*

Billed By Pre-Approved Account (Usage At Coin Operated Rate)

\$100 Set-Up Charge



**IPP – INDUSTRIAL PRE-TREATMENT DISCHARGE PROGRAM – INDUSTRIAL &  
NON-DOMESTIC USERS**

a. Industrial Pretreatment Program – Nondomestic User Permit Fees

Permits are renewable based on the following:

- |   |                         |               |
|---|-------------------------|---------------|
| 1. Application Review Fee   | \$50                    |               |
| 2. General Permit Fee (no process water)  | \$185                   | Every 5 years |
| 3. Minor Pretreatment Risk<br>(Facilities producing a small volume of concentration of non-domestic wastewater that requires a properly operated minor pretreatment system: grease interceptors, oil/water separators, amalgam separators, silver recovery systems)   | \$260                   | Every 3 years |
| 4. Moderate Pretreatment Risk<br>(Non-industrial facilities producing a moderate to high volume of concentration of non-domestic wastewater that requires a properly operated minor pretreatment system: grease interceptors, oil/water separators, amalgam separators, silver recovery systems)  | \$415                   | Every 3 years |
| 5. Industrial, Significant Industrial, and Categorical Users<br>(Cannabis Facilities and Processors)<br>(Non-industrial facilities producing a moderate to high volume of concentration of non-domestic wastewater that requires a properly operated minor pretreatment system: grease interceptors, oil/water separators, amalgam separators, silver recovery systems) | Itemized Costs Annually |               |
| a. Low Strength Remediation Water with Pretreatment   | \$0.04                  | Per Gallon*   |
| b. Low Strength Remediation Water w/o Pretreatment  | \$0.07                  | Per Gallon*   |
| c. Tanked Waste   | \$0.084                 | Per Gallon*   |
| d. Vactor Decant Pit  | \$100.00                | Per Load*     |
| e. High Volume Tanked Waste   | \$0.04                  | Per Gallon*   |

There are two ways to qualify for the High-Volume Tanked Waste Rate:

**Monthly:** The permit holder must deliver or have delivered to the designated WWS receiving station a minimum of 200,000 gallons in one calendar month.

**Yearly:** The permit holder must deliver or have delivered to the designated WWS receiving station a minimum of 2,400,000 gallons in one calendar year (200,000 monthly average). The permit holder and/or hauler will receive monthly invoices and is required to pay the invoice in full each month. In January of the following year WWS staff will review each account to determine if they qualify for the yearly High-Volume Tanked Waste rate. For the permit holder and/or haulers to qualify, WWS staff will re-calculate the charges at the High-Volume Tanked Waste rate for the months in which the 200,000-gallon monthly minimum was not met and the credit will be applied to the account.

\*Requires an account to be established prior to discharge and a pre-payment of fees. Additional charges may be incurred for high strength compatible pollutant discharges.

b. High Strength Compatible Pollutant Surcharge Rates

Anthony Ragnone Treatment Plant (ARTP)

- |                           |           |
|---------------------------|-----------|
| 1. BOD5                   | \$0.17/lb |
| 2. Total Suspended Solids | \$0.17/lb |
| 3. Ammonia                | \$0.94/lb |
| 4. Phosphorus             | \$2.04/lb |

District #3

- |                           |           |
|---------------------------|-----------|
| 1. BOD5                   | \$0.38/lb |
| 2. Total Suspended Solids | \$0.33/lb |
| 3. Ammonia                | \$2.61/lb |
| 4. Phosphorus             | \$5.44/lb |

Approved: 

Jeff Wright, Drain Commissioner

July 1, 2022

Effective Date

Date: November 3, 2008 (original)

Revised: August 9, 2010 Revised: June 15, 2011

Revised: January 1, 2013 Revised: May 5, 2015

Revised: July 1, 2015 Revised: October 5, 2018

Revised: November 26, 2018

**NOTICE OF RATE CHANGE**  
**RATES AND CHARGES TO BE MADE TO THE MUNICIPALITIES**  
**SERVED BY THE GENÈSEE COUNTY SEWAGE DISPOSAL SYSTEM**  
**INTERCEPTOR AND TREATMENT FACILITIES (DISTRICTS 1, 2, 4, 5)**  
**EFFECTIVE WITH THE BILLINGS TO BE SENT ON OR AFTER JANUARY 2, 2022**

**I. RATES:**

- A. Where individual water meter readings are available, the readings shall be used as the basis for payment. The rate charge shall be based on the water consumption measured by the accumulation of these individual water meter readings and shall be \$2.20 per 100 cubic feet of water consumed or \$2.95 per 1,000 gallons of water consumed, plus a minimum charge of \$5.70 per month (\$17.10 per quarter) per unit.
- B. Where community bulk sewer meter readings are available, the readings shall be used as a basis of payment. The rate charge shall be based on sewer discharged through a meter directly into the county interceptor and shall be \$2.55 per 100 cubic feet (or \$3.37 per 1,000 gallons) of sewage received, plus a minimum charge of \$600.00 per month.
- C. For all other connections having an unmetered water supply, the rate shall be \$33.25 per unit per month (\$99.75 per quarter) based upon the Residential Equivalent Units (REU) set forth below:

<u>USAGE</u>	<u>REU</u>
General Office Building Space.....	0.60 per 1000 sq. ft.
Medical Office Space.....	0.60 per 1000 sq. ft.
Auto Dealers.....	0.40 per 1000 sq. ft.
Restaurant (Sit Down or Fast Food).....	0.16 per seat
Fast Food Drive-Thru Window .....	2.00 per window
Outdoor seating & Bar Area- Restaurant .....	0.06 per seat/stool
Café .....	0.10 per seat/stool
Carry Out- No Seating.....	2.00 per establishment
Multiple Family Residence .....	1.00 per unit
RV/ Campground .....	0.60 per site
Assist. Living /Any Food Prep in Rooms.....	0.60 per Room/Unit
Convalescent Homes .....	0.30 per bed
Hotels/Motel/Bed & Breakfast.....	0.25 per bed
Rooming/Halfway Houses .....	0.30 per person
Shelters, Boarding School or Convents.....	0.30 per person
Churches.....	0.01 per seat
Country Clubs .....	0.10 per member
Fraternal Organizations.....	1.25 per hall
Fraternal Organizations/ Rental Halls .....	2.50 per hall
Schools (with Cafeteria/ No Showers/Pool).....	1.50 per classroom
Schools (with Showers/Pool) .....	2.00 per classroom
Schools (with Cafeteria/ Showers/ Gym).....	2.50 per classroom
Daycares.....	1.50 per classroom
Drug Stores.....	0.35 per 1000 sq. ft.
Grocery Stores & Super Markets .....	1.10 per 1000 sq. ft.
Retail Store.....	0.20 per employee
Gas Stations.....	0.30 per pump
Convenience Store.....	1.10 per 1000 sq. ft.
Strip Malls.....	1.00 per tenant space
Bowling Alleys.....	0.20 per alley
Swimming Pool.....	3.50 per 1000 sq. ft.
Pool Table Hall.....	0.20 per table



Theaters (Drive-Ins) .....	0.10 per car space
Theaters .....	0.0001 x weekly hours of operation x seats
Fitness Center .....	0.60 per 1000 sq. ft.
Car Wash (with track) .....	10.00 per single production line
Car Wash (Stationary w/o recycle) .....	8.00 per bay
Car Wash (Stationary w/ recycle) .....	5.00 per bay
Car Wash (Stationary, Do It Yourself.) .....	1.50 per wand
Dry Cleaners (Pressing) .....	1.25 per press
Dry Cleaners (Pick up Only) .....	0.20 per employee
Laundromat .....	1.50 per washer
Barber Shops .....	0.08 per chair
Beauty Shops/Nail Salon/ Spa Pedicures .....	0.30 per booth
Factories .....	0.50 per 1000 sq. ft.
Warehouses .....	0.10 per 1000 sq. ft.
Hospitals .....	1.40 per bed
Public Institutions (Library/ Courthouse) .....	0.40 per employee
Uses that do not correspond to categories above .....	Site Specific Estimates

## II. INFLOW AND INFILTRATION

### A. Fee

Each community shall pay additional fees for excess inflow and infiltration delivered to the County interceptor for treatment. Excess inflow and infiltration shall be considered to be any flow in excess of two (2) times the annual average flow. If a 25-year storm event results in excess flows, no fee shall be collected by the County Agency.

The fees shall be as follows:

Volume from 2 to 2.5 times the community average flow	\$1.00 per 100 cubic feet
Volume from greater than 2.5 to 3 times the community average flow	\$2.00 per 100 cubic feet
Volume greater than 3 times community average flow	\$3.00 per 100 cubic feet

### B. Penalty

For each event in which a community's flow exceeds three (3) times the community's average flow, the community will pay a \$5,000.00 penalty to the County Agency. The funds will be returned to the community on a dollar per dollar basis for each dollar spent on removing / eliminating inflow and infiltration in their collection system.

## III. CHARGES:

### A. County Capital Improvement Fee

The County will charge a Capital Improvement Fee of \$1,000.00 per unit based upon the "Table of Unit Factors" prior to the issuance of a sanitary connection permit (B-Permit). The County Agency shall collect the fee.

The rates are established pursuant to Act 342 Michigan Public Acts of 1939 as amended.

Dated: 11.3.21

  
JEFFREY WRIGHT  
Genesee County Drain Commissioner  
The County Agency 