

# BEECHER METROPOLITAN DISTRICT SEWER USE PERMIT

## TYPE III – ENVIRONMENTAL REMEDIATION WASTEWATER

Permit Number 6-08-04-04-GML1

In accordance with certain provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1241 et seq; the "Act"), the Michigan Natural Resources and Environmental Protection Act (Act 451 of 1994, as amended; the "State Act"), AND Ordinance Number 9 (the "Ordinance") of the Beecher Metropolitan District (the "BMD" or "District"), the following sewer user:

RACER Trust - Coldwater Road Landfill Facility

is authorized to discharge surface and subsurface drainage from an inactive hazardous waste landfill located at:

6220 Horton Avenue

subject to the effluent limitations/monitoring requirements specified in Part I.A.2, through the outfalls and into the sanitary sewer identified in part I.A.3, and in accordance with other conditions set forth in Parts I, II and III herein. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment laws, regulations, standards or requirements under District, State, and Federal laws; this includes any and all such laws, regulations, standards, or requirements that may become effective during the term of this permit and which shall apply to the permittee subsequent to modification of this permit and a reasonable period to achieve compliance. This does not include laws, regulations, standards or requirements that are subject to Genesee Township Municipal Codes; such as plumbing and electrical.

Noncompliance with any term or condition of this permit shall constitute a violation of the Ordinance and may subject the permittee to appropriate enforcement action, including legal action and termination of service.

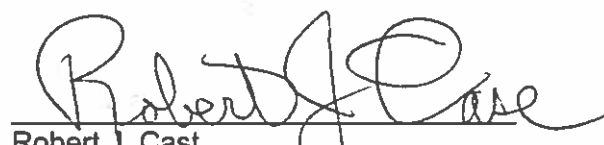
This permit shall become effective on October 15, 2016 and shall expire at midnight on October 14, 2021.

If the permittee wishes to continue to discharge after the expiration date of this permit, a written application in accordance with the requirements of the POTW Regulations must be submitted to the City a minimum of one hundred and eighty (180) days prior to the expiration date. Approval or denial of the application for discharge will be in accordance with POTW Regulations.

This permit is based on the permittee's application (by letter) dated Dec 19, 2013. The BMD will establish appropriate fees for reimbursement of costs to administer this permit and the associated Industrial Pretreatment Program.

Signed this 11th day of October 2016 by the BMD and City of Flint.

  
Kevin Forbes, Superintendent  
Beecher Metropolitan District

  
Robert J. Cast  
Water Pollution Control Supervisor

PART I

A. DISCHARGE PROHIBITIONS AND MONITORING REQUIREMENTS

1. General and Specific Discharge Prohibitions

- a. In addition to the specific pollutant limitations stated in Part I.A.2, the permittee shall not contribute or cause to be contributed, directly or indirectly, any pollutant or substance which will interfere with the operation or performance of the City of Flint's Publicly Owned Treatment Works (POTW).
- b. The permittee shall fully comply with the discharge regulations contained in the Ordinance. Pursuant to the discharge regulations, except as authorized in Part I.A.2, the permittee shall not contribute or cause to be contributed, directly or indirectly, any of the following substances:
  - i. **explosive or flammable substances** which by reason of their nature or quantity are, or may be, sufficient either alone or by interaction with other substances to cause fire or explosion or be injurious in any other way to the POTW or to its operation;
  - i. **solid or viscous substances** which may cause obstructions to the flow in a sewer or other interference with the operation of the POTW;
  - ii. **corrosive substances or wastewaters** having a pH less than 6.0 or greater than 10.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment, and/or personnel of the POTW;
  - iii. **toxic substances** in sufficient quantity, either singly or by interaction with other pollutants, to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals or create a toxic effect in the receiving waters of the POTW;
  - iv. **noxious or malodorous substances** which either singly or by interaction with other wastes are sufficient to create a public nuisance or hazard to life or are sufficient to prevent entry into the POTW;
  - v. **interfering substances** which may cause the POTW's effluent or any other product of the POTW, such as residues, sludges, or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process; and which in no case shall cause the POTW to be in non-compliance with applicable State or Federal environmental laws or regulations;
  - vi. **colored substances or wastewaters** with objectionable color not removed in the treatment process, such as, but not limited to, dye wastes and vegetable tanning solutions;
  - vii. **hot wastewaters** which will inhibit sewage treatment processes resulting in interference, but in no case wastewater with a temperature at the introduction into the POTW treatment plant which exceeds 104° F, or any discharge of sufficient heat to cause the POTW to violate its wastewater discharge permit;
  - viii. **oxygen demanding substances** released at a flow rate and/or concentration which will cause interference to the POTW;
  - ix. **radioactive substances**;
  - x. **nuisance substances or wastewaters** which cause a hazard to human life or create a public nuisance;
  - xi. **other incompatible substances** which will cause the POTW to violate its wastewater discharge permit, including those which will pass through the POTW into the receiving stream.
- c. All discharges shall also comply with any applicable BMD, State, and Federal pretreatment laws, regulations, standards, and requirements; this includes any and all such laws, regulations, standards, or requirements that may become effective during the term of this permit and which shall apply to the permittee subsequent to modification of this permit and a reasonable period to achieve compliance.
- c. The permittee shall not increase the use of potable or process water, or in any way attempt to

dilute an effluent, as a partial or complete substitute for adequate treatment to achieve compliance with the specific limitations or general prohibitions contained in this permit.

- e. Except as authorized herein, the permittee shall not discharge or cause to be discharged any surface water, precipitation runoff, ground water, or subsurface drainage to any sanitary sewer.

**2. Summary of Limitations and Monitoring Requirements**

The permittee shall monitor the composition, characteristics, volume, and/or flow rate of the discharge from the permittee's facility to the outfall(s) identified below and submit the resulting monitoring data in complete accordance with the following requirements; and pursuant to the Ordinance and the authority vested in the BMD Administrator thereunder, the discharge shall be made in full compliance with the following limitations. The location of the wastewater treatment plant and outfall are identified in the site map in the Appendix.

**Discharge Pollutant Limitations and Monitoring Requirements\***  
**Outfall 001**

Parameter	Monitoring Frequency	Sampling Procedure	Discharge Limit	Limit Type
pH @ 25°C	Per Batch	Grab sample	6.0-10.5 SU	Min-Max
Ammonia-N	Per Batch	Grab sample	110 mg/l	Maximum
Arsenic	Per Batch	Grab sample	0.051 mg/l	Maximum
BOD5	Per Batch	Grab sample	1196 mg/l	Maximum
Chromium	Per Batch	Grab sample	1.273 mg/l	Maximum
Copper	Per Batch	Grab sample	1.797 mg/l	Maximum
Cyanide, available	Per Batch	Grab sample	0.165 mg/L	Maximum
HEM	Per Batch	Grab sample	100 mg/l	Maximum
Mercury	Per Batch	Grab sample	0.000012** mg/l	Maximum
Nickel	Per Batch	Grab sample	0.543 mg/l	Maximum
Phosphorus	Per Batch	Grab sample	14 mg/l	Maximum
TSS	Per Batch	Grab sample	570 mg/l	Maximum
Zinc	Per Batch	Grab sample	2.626 mg/l	Maximum
Flow, total***	Sample on one (1) day per quarter.		5000 gpd	Daily Maximum

\*Submit the test data for each sample collected during each calendar month in a Periodic Report on Continued Compliance (PRCC) within twenty-eight (28) calendar days of the end of each quarterly monitoring period.

\*\*Test results shall be less than the quantification level of 0.2 µg/L (expressed as <0.2 µg/L), unless a lower quantification level has been established; and any amount of the pollutant quantified at a level exceeding the limitation shall constitute a violation.

\*\*\*Report the average volume of all daily discharges for each calendar month in the quarterly PRCC, and report the total volume of the discharge for each day of the quarter that discharge occurs in an attachment to the PRCC.

**B. REPORTING REQUIREMENTS**

## 1. Periodic Report on Continued Compliance

In accordance with the Ordinance, the permittee shall submit to the BMD a Periodic Report on Continued Compliance (PRCC) presenting monitoring data obtained by the permittee in accordance with the self-monitoring requirements stipulated in Part I.A.2. This report shall be submitted on the standard reporting form contained herein (see Appendix A). The report shall be complete and include the measured discharge volume and the monitoring data for each parameter listed in Part I.A.2., including each individual target analyte for all multiple analyte tests. The monitoring data presented shall have been obtained by measuring the discharge and/or collecting samples that are representative of the discharge at the location(s) specified and identified in Part I.A. The report shall also clearly identify the analytical methods used, the date on which each analysis was performed, the date on which each sample was collected, and the sampling method used; and it shall also indicate the total number of samples collected and the total number of reported values that exceeded the limitations established in Part I.A.2 for each parameter specified thereunder.

In addition, the PRCC shall be accompanied by sample custody records and a quality assurance/quality control (QA/QC) report. The sample custody records shall include the following information:

- the exact place, date, and time of sampling;
- the individual(s) who performed the sampling measurements;
- the dates analyses were performed; and
- the person(s) who performed the analyses.

The QA/QC report shall include all data needed for assessing the validity of the monitoring data presented in the PRCC, which shall specifically include individual test results and statistical data for the analysis of:

- reagent blanks,
- standards and samples spiked with standards, and
- replicate samples.

The completed PRCC shall be submitted **within twenty-eight (28) calendar days of the end of the specified monitoring period.** Failure to properly submit this report **within thirty (30) days** after the due date shall constitute significant noncompliance on the part of the permittee. The submitted report shall be signed by an Authorized Representative of the Industrial User as defined in the Ordinance, and certified with the following statement as established by the Ordinance:

"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."

If the permittee monitors any pollutant more frequently than required by this permit, using procedures corresponding to those specified in this permit, the result of such monitoring must be utilized in the calculations of average/maximum pollutant discharge and included in the discharge report.

## C. NOTIFICATION REQUIREMENTS

### 1. Notification of Intent to Discharge

The permittee shall notify the BMD, orally or in writing, of its intent to discharge at least seven (7) calendar days prior to commencing any discharge. This notification shall include the anticipated date, time, rate and total volume of discharge.

## 2. Changed Discharge Notification

This permit only authorizes the permittee to discharge surface and subsurface drainage from the hazardous waste landfill located at the permittee's facility. This permit does not authorize the discharge of any other substance originating from any other source. The limits and/or monitoring requirements of this permit have been developed on this case-specific basis, using information provided by the permittee. The permittee shall report to the BMD, in advance, any anticipated facility, procedural, or other modifications which may result in new, different, or increased discharges of pollutants or flow volumes, including any anticipated change in monitoring location. This shall be via written notice to the BMD of such changes and, if required by the BMD, submission of a new permit application. Following such notice, this permit may be modified to specify limits and/or monitoring for parameters not previously required or to revise limits and/or monitoring requirements for parameters already addressed herein.

## PART II

### A. PERMIT PROGRAM ADMINISTRATION

#### 1. Written/Verbal Submittals

On the behalf of the BMD, the City of Flint Water Pollution Control Facilities administers the BMD Industrial Pretreatment Program, under which this permit has been established. All written submittals shall be submitted to the following address:

**Environmental Compliance Supervisor  
City of Flint Water Pollution Control Facilities  
G-4652 Beecher Road  
Flint, Michigan 48532**

In addition, a copy of each written submittal shall be submitted to the following address:

**Administrator  
Beecher Metropolitan District  
G-1057 Louis Avenue  
Flint, Michigan 48505**

All verbal reports/notices should be directed to the Environmental Compliance Supervisor (8:00 a.m. to 5:00 p.m., Monday through Friday) or to the Operations Foreman on duty, via the Water Pollution Control Facilities' 24-hour telephone number, (810) 766-7210.

### B. GENERAL RESPONSIBILITIES

#### 1. Monitoring Procedures

##### a. Representative Sampling

The discharge monitoring data presented in any report required herein shall be representative of the true volume and nature of the actual discharge. The permittee shall not dilute the discharge or conduct the required monitoring in any manner that causes the monitoring data to be misleading.

##### b. Methods

In accordance with the Ordinance, the sampling and sample testing shall be performed in accordance with the standard procedures prescribed by the U.S. Environmental Protection Agency in 40 CFR 136, and amendments thereto, which have been published in the following references:

- i. Methods for Chemical Analysis of Water and Wastes, April 1974, Environmental Protection Agency, Water Quality Office, Analytical Quality Control Laboratory, 1014 Broadway, Cincinnati, OH 45202, as amended.
- ii. Standard Methods for the Examination of Water and Wastewater, 20th edition, 1998, American Public Health Association, New York, New York 10019, as amended.

##### c. Sample Types

- i. "Grab Sample" shall mean a single sample collected with no regard to flow or time, other than that the sample shall be collected during period of normal operation.

- ii. "4-grab Composite" shall mean the combination of at least four appropriately spaced equal-volume grab samples over a 24-hour period.
- iii. "24-hour Composite" shall mean the combination of a series of equal-volume aliquots collected via an automatic sampler over a 24-hour period; or over the normal operating period if operations are not continuous. In the latter case, the period of operation shall be identified in submitted reports.
- iv. "Flow-based Composite" shall mean the combination of a series of equal-volume aliquots collected at a rate proportional to the sampled stream flow. Both the total flow and the flow interval shall be identified in submitted reports.

d. Maintenance Responsibility

The permittee shall calibrate and perform Original Equipment Manufacturer maintenance procedures on all monitoring equipment and analytical instrumentation, where applicable, at intervals appropriate to ensuring accuracy of measurements.

**2. Containment for Slug Discharges**

In accordance with the Ordinance, the permittee shall provide protection against accidental discharge of substances which are prohibited in Part I.A.1 or exceed any limitation stipulated in Part I.A.2.

**3. Systems Operation and Maintenance**

The permittee shall at all times properly operate and maintain all facilities and systems of control, and related appurtenances, which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes, but is not limited to the following: effective performance, adequate funding, adequate operator staffing and training, as well as adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities, or a similar system, only when necessary to achieve compliance with the conditions of the permit.

**4. Duty to Halt or Reduce Discharge**

Notwithstanding the flow limitations stipulated in Part I.A.2, the permittee shall not discharge at a flow rate which will cause, or contribute to, hydraulic overloading of the receiving sewer or POTW. The permittee shall temporarily halt or reduce its discharge to the extent necessary for preventing or reducing such overloading, as directed orally or in writing by the BMD or City of Flint. Such control shall be maintained until deemed to be no longer necessary by the BMD or City of Flint.

**5. Retention of Records**

In accordance with the Ordinance, the permittee shall retain all general permit-related records (e.g., monitoring information, calibration and maintenance records, original strip chart recordings for continuous monitoring instrumentation, copies or reports required by this permit, and records of all data used to complete the application for this permit) for a period of **at least three (3) years** from the date of the sample, measurement, report, or application. This period may be extended by order of the BMD at any time.

All records that pertain to matters that are the subject of special orders or any other enforcement or litigation activities brought by the BMD shall be retained and preserved by the permittee until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

## C. GENERAL CONDITIONS

### 1. Definitions

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be in accordance with definitions established under the Ordinance.

### 2. Right of Entry

The permittee shall allow BMD and City of Flint personnel, upon the presentation of credentials, access at all reasonable times to all parts of the premises for the purposes of inspection, sampling, records examination, copying, or the performance of any of their duties related to the administration of this permit, the administration of the Ordinance, and/or the associated Industrial Pretreatment Program.

### 3. Transfer of Ownership or Control

This permit shall not be assigned, transferred, or sold to a new owner without approval of the BMD. As described in the Ordinance, in the event of any change in ownership of facilities from which the authorized discharge emanates, written notification of proposed permit transfer must be provided to the BMD. Included shall be an agreement specifying a date for transfer of permit responsibility, and coverage between the current and new permittees which acknowledges liability for any violation which occurs before and after that date.

### 4. Permit Modification

In accordance with the Ordinance, the BMD reserves the right to modify this permit, in whole or in part, during its term in order to reflect new or revised National Pollutant Discharge Elimination System requirements; Federal or State water quality standards; Federal, State, or BMD pretreatment standards; and/or the objectives of the BMD's Industrial Pretreatment Program.

### 5. Revocation of Permit

Violation of the conditions of this permit, or any applicable BMD, State, or Federal regulations, may lead to revocation of the permit and suspension of service in accordance with the enforcement procedures set forth in the Ordinance. This action may result from, but is not limited to, the following:

- a. failure of the permittee to factually report the wastewater constituents and characteristics of his discharge;
- b. failure of the permittee to report significant changes in operations, or wastewater constituents and characteristics of his discharge;
- c. refusal of reasonable access to the permittee's premises for the purpose of inspection or monitoring;
- d. violation of a permit requirement.

### 6. Property Rights Exclusion

The issuance of this permit conveys neither any property rights in either real or personal property, nor any exclusive privileges. It also authorizes neither any injury to private property or invasion of personal rights, nor infringement of Federal, State, or local laws or regulations.

### 7. Severability

If any provision, paragraph, word, or section of this permit is invalidated by any Ordinance revision or any court of competent jurisdiction, the remaining provisions, paragraphs, words and sections shall not be affected and shall continue in full force and effect.

**8. Monitoring/Inspection Fees**

The permittee shall reimburse the BMD for any and all expenses incurred as a result of any monitoring or inspection conducted by or for the BMD at the permittee's facility.

**9. Penalties for Violations**

If sewage, industrial wastes, or other wastes are discharged into the BMD's wastewater disposal system contrary to the provisions of this permit, the Ordinance, or any order of the BMD, the BMD may commence an action for appropriate legal and/or equitable relief in the Circuit Court of Genesee County in accordance with the Ordinance:

**a. Civil Penalties**

In addition to any other penalty which may be assessed pursuant to applicable Federal or State laws, any sewer user who has violated any order of the BMD or who has willfully or negligently violated this permit or the Ordinance shall be liable for a civil penalty not exceeding \$500 for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

In addition to any other penalty which may be assessed pursuant to applicable Federal or State laws, any sewer user violating any of the provisions of the Ordinance shall become liable for any expense, loss, or damage occasioned by the BMD and/or the City of Flint by reason of such violation, including payment of any fines or penalties assessed against the BMD and/or City of Flint as a result of such violations.

**b. Criminal Penalties**

In addition to any other penalty which may be assessed pursuant to applicable Federal or State laws, any person who knowingly misrepresents or falsifies information required by this permit and/or the Ordinance, shall, upon conviction, be punished by a fine of not more than \$500 and by imprisonment for not more than ninety (90) days or by both. This includes anyone who knowingly makes any false statements, representations, or certifications in any application, record, report, plan, or other document filed or required to be maintained; also included is anyone who knowingly falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required.

**PART III**

**A. SPECIAL TERMS AND/OR REQUIREMENTS**

**Future Use of Landfill**

The limitations and requirements stipulated in this permit have been established on the basis of the current inactive status of the hazardous waste landfill at the permittee's facility. Should the permittee intend to deposit any additional waste within this landfill, advance notification shall be given to the BMD, in accordance with Part I.C.2.

**B. Appendices**

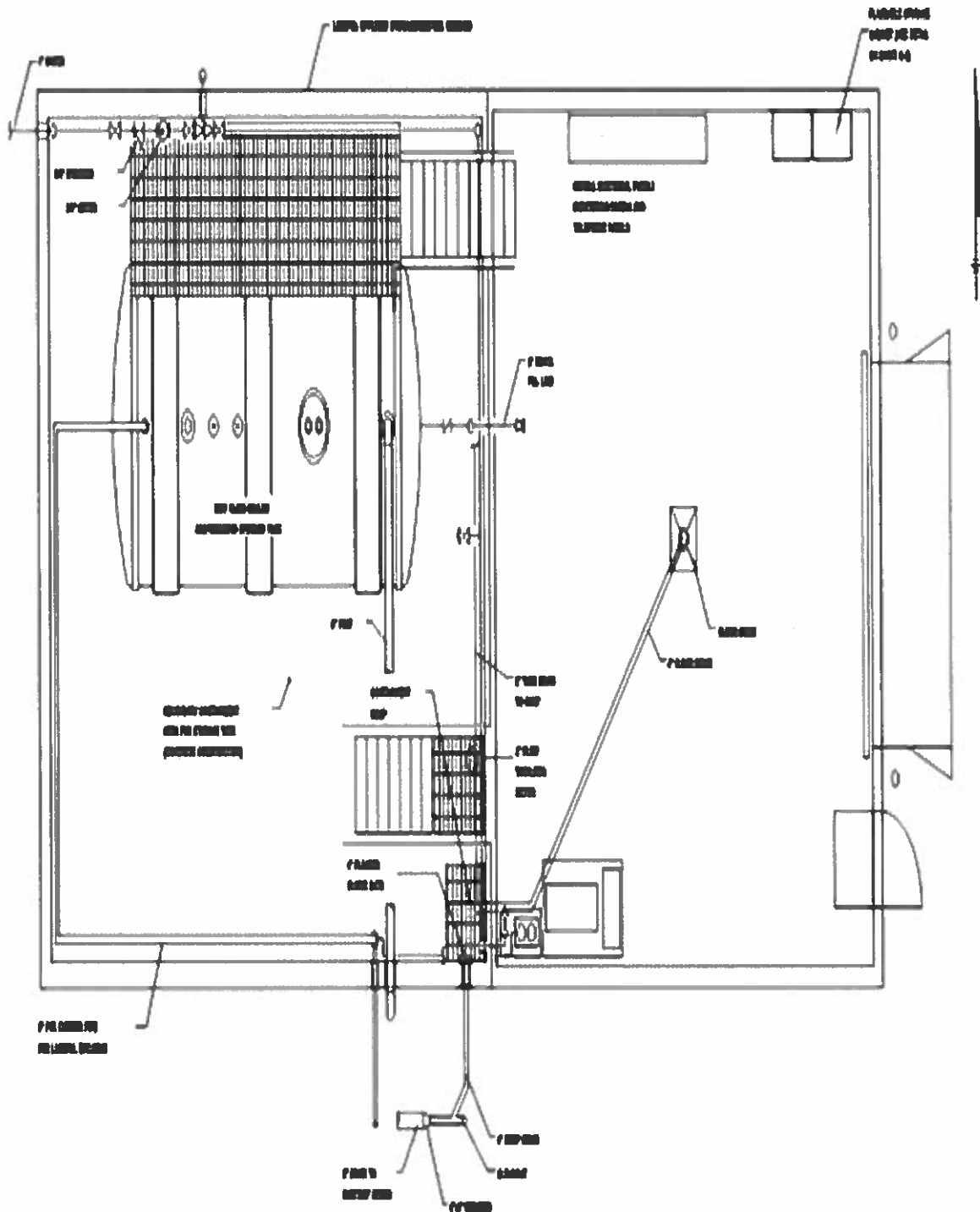
**Facility Treatment System Diagram**

**Site Map**

**Generally Applicable Prohibitions and Limits**

**Register of Potentially Harmful Substances**





## City of Flint Publicly-Owned Treatment Works Regulations Discharge Prohibitions and Limits (with Definitions)

### § 46-143 DEFINITIONS.

For the purposes of this Division, the following words and phrases shall have the meanings described in this section, unless the context in which they are used specifically indicates otherwise.

**ACT.** The term "act" means the Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251, et seq., and all rules promulgated thereunder.

**BIOCHEMICAL OXYGEN DEMAND.** Shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter and biologically oxidizable inorganic matter under standard laboratory procedures for 5 days, at 20 degrees celsius, expressed in milligrams per liter concentration, using US EPA test method number 405.1.

**BYPASS.** The intentional diversion of waste streams away from any portion of a user's treatment facility needed for compliance with pretreatment standards to a point of discharge.

**CATEGORICAL PRETREATMENT STANDARDS (CPS).** Pollutant limits for discharges to POTWs, promulgated by US EPA in 40 CFR Chapter I, Subchapter N, Parts 405, et seq., in accordance with 307(b) and (c) of the Act, which are applicable to a non-domestic user which engages in a category or categories of industry that are subject to the following regulations:

Effluent Guidelines and Standards for Electroplating (40 CFR 413)  
Effluent Guidelines and Standards for Organic Chemicals Plastics, and Synthetic Fibers (40 CFR 414)  
Effluent Guidelines and Standards for Inorganic Chemicals (40 CFR 415)  
Effluent Guidelines and Standards for Fertilizer Manufacturing (40 CFR 418)

Effluent Guidelines and Standards for Petroleum Refining (40 CFR 419)  
Effluent Guidelines and Standards for Iron and Steel Manufacturing (40 CFR 420)  
Effluent Guidelines and Standards for Nonferrous Metals (40 CFR 421)  
Effluent Guidelines and Standards for Steam Electric Power Generating (40 CFR 423)  
Effluent Guidelines and Standards for Leather Tanning and Finishing (40 CFR 425)  
Effluent Guidelines and Standards for Glass Manufacturing (40 CFR 426)  
Effluent Guidelines and Standards for Rubber Processing (40 CFR 428)  
Effluent Guidelines and Standards for Timber Products (40 CFR 429)  
Effluent Guidelines and Standards for Pulp, Paper and Paper Board (40 CFR 430)  
Effluent Guidelines and Standards for Metal Finishing (40 CFR 433)  
Effluent Guidelines and Standards for Centralized Waste Treatment (40 CFR 437)  
Effluent Guidelines and Standards for Pharmaceutical Manufacturing (40 CFR 439)  
Effluent Guidelines and Standards for Transportation Equipment Cleaning (40 CFR 442)  
Effluent Guidelines and Standards for Waste Combustors (40 CFR 444)  
Effluent Guidelines and Standards for Landfills (40 CFR 445)  
Effluent Guidelines and Standards for Pesticide Chemicals Manufacturing (40 CFR 455)  
Effluent Guidelines and Standards for the Battery Manufacturing Point Source Category (40 CFR 461)  
Effluent Guidelines and Standards for Metal Molding And Casting (40 CFR 464)  
Effluent Guidelines and Standards for Coil Coating (40 CFR 465)  
Effluent Guidelines and Standards for Porcelain Enameling (40 CFR 466)  
Effluent Guidelines and Standards for Aluminum Forming (40 CFR 467)  
Effluent Guidelines and Standards for Copper Forming (40 CFR 468)

Effluent Guidelines and Standards for Electrical and Electronic Components (40 CFR 469)  
Effluent Guidelines and Standards for Nonferrous Metals Forming and Metal Powders (40 CFR 471)

**CFR.** The Code of Federal Regulations.

**CITY.** The City of Flint, Michigan, a Municipal Corporation.

**CITY DIRECTOR.** The Director of the Department of Utilities of the City or other person or persons designated by that person or by the City Administrator to exercise control over City Collection System and the POTW Treatment Plant or certain matters relating to the City Collection System or the POTW Treatment Plant.

**CITY ENFORCEMENT OFFICER.** Any employee of the Water Pollution Control Division of the Department of Utilities of the City of Flint holding the title of Water Pollution Control Supervisor, Assistant Water Pollution Control Supervisor, Environmental Compliance Supervisor, Environmental Compliance Inspector, Senior Environmental Compliance Analyst, Environmental Compliance Analyst, Water Quality Supervisor, or any other person authorized by the City Director to issue municipal civil infraction citations for violations of this Division.

**CODE.** The Code of the City of Flint.

**COLLECTION SYSTEM.** All of the sanitary sewers, lift stations, pumps, and other equipment of the City and of a municipality, drainage district, or other political subdivision of the state which has a contract with the City for discharge to the POTW Treatment Plant which are primarily installed to receive wastewater and pollutants directly from users for transmission to the POTW Treatment Plant.

**CONSTRUCTION.** Any placement, assembly, or installation of facilities or equipment (including contractual obligations to purchase such facilities or equipment) at the premises where such equipment will be used,

including preparation work at such premises, if such equipment will in any way actually or potentially affect the quality or quantity of discharges or the measurement or analysis of a discharge.

**COOLING WATER.** The water discharged from any use in which the only pollutant added is heat, shall be considered non-contact cooling water. Water discharged from any use in which heat and other pollutants have been added, shall be considered as contact cooling water.

**CPS.** Categorical Pretreatment Standards.

**DAILY CONCENTRATION.** The sum of all concentration measurements for any 24-hour period divided by the number of such measurements.

**DISCHARGE.** The introduction (including infiltration) of pollutants into the POTW which is either intentional or unintentional.

**FLASHPOINT.** The minimum temperature at which vapor combustion will spread away from its source of ignition.

**FOOD SERVICE FACILITY.** Any facility primarily engaged in activities of preparing or serving food or otherwise making food available for consumption by the public, such as a restaurant, commercial kitchen, hotel, school, hospital, church, prison, or correctional, civic, convention, banquet, recreational, or convalescent facility, which use one or more of the following food preparation activities: frying, boiling, blanching, roasting, toasting, poaching, infrared heating, searing, barbecuing, or any other food preparation activity that produces a hot, non-drinkable food product in or on a receptacle that requires washing.

**GARBAGE.** Solid wastes from domestic or commercial preparation, cooking or dispensing of food, and from the handling, storage, or sale of produce.

**GRAB SAMPLE.** A sample which is taken from a discharge with no regard to the flow which is collected over a period of time not exceeding 15 minutes.

**GROUNDWATER.** Water which is pumped or otherwise captured from the ground and which is not used in a process. Mere treatment of groundwater is not use in a process.

**HEXANE-EXTRACTABLE MATERIAL.** Any material, such as fat, oil, or grease, which is recoverable from wastewater by extraction with n-hexane, using EPA test method 1664, Revision A, and as defined therein.

**HAZARDOUS SUBSTANCE.** Any substance as defined in Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended, or the Federal Comprehensive Environmental Response, Compensation and Liability Act Of 1980, as amended.

**INSTANTANEOUS CONCENTRATION.** The concentration in any grab sample.

**INTERCEPTOR.** A structure or device designed for removing floating or suspended hexane-extractable material and other viscous or dense substances from wastewater, by physical separation, prior to discharging the wastewater into the POTW.

**INTERFERENCE.** A discharge which, alone or in conjunction with a discharge or discharges from other sources, both: (I) inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal, and, (II) therefore is a cause of a violation of any requirement of the NPDES permit for the POTW, the Act, or State Act (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or any more stringent state or local regulations): Section 405 of the Act, the Solid Waste Disposal Act (SWDA) (including Title II, more commonly referred to as the Resource

Conservation And Recovery Act (RCRA), and including state regulations contained in any state sludge management plan prepared pursuant to Subtitle D of the SWDA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research, and Sanctuaries Act.

**MAXIMUM ALLOWABLE INDUSTRIAL LOADING.** The daily maximum mass of a pollutant, in pounds per day, which may be allowed by the City to be discharged to the POTW by the aggregate of all non-domestic users.

**MDEQ.** The Michigan Department of Environmental Quality or its successor.

**MG/L.** Milligrams per liter.

**UG/L.** Micrograms per liter.

**NEW SOURCE.** Any building, structure, facility, or installation from which there is or may be a discharge, the construction of which commenced after the publication of proposed pretreatment standards under Section 307(c) of the Act which will be applicable to such source if such standards are thereafter promulgated in accordance with that section, provided that:

(1) The building, structure, facility, or installation is constructed at a site at which no other source is located, or

(2) The building, structure, facility, or installation totally replaces the process or production equipment that causes the discharge at an existing source, or

(3) The production or wastewater generating processes of the building, structure, facility, or installation are substantially independent of an existing source at the same site. In determining whether these processes are substantially independent, the extent to which the new facility is integrated with the existing plant and the extent to which the new facility is engaged in the same general type of activity as the existing source shall be considered.

Construction on a site at which an existing source is located results in a modification rather than a new source if the construction does not create a new building, structure, facility, or installation meeting the criteria of (2) or (3) but otherwise alters, replaces, or adds to existing process or production equipment.

Construction of a new source has commenced if the owner or operator has:

(1) Begun, or caused to begin, as part of a continuous on-site construction program:

a. Any placement, assembly, or installation of facilities or equipment, or

b. Significant site preparation work including clearing, excavation, or removal of existing buildings, structures, or facilities which is necessary for the placement, assembly, or installation of new source facilities or equipment; or

c. Entered into a binding contractual obligation for the purchase of facilities or equipment which are intended to be used in its operation within a reasonable time. Options to purchase, contracts which can be terminated or modified without substantial loss, and contracts for feasibility, engineering, and design studies do not constitute a contractual obligation under this paragraph.

**NON-DOMESTIC USER.** A user that discharges pollutants other than, or in addition to, sanitary sewage, but not including a user that is a municipality, drainage district, or other political subdivision of the state that only discharges from its own collection system to the City's Collection System.

**NPDES PERMIT.** A permit issued pursuant to the National Pollutant Discharge Elimination System to regulate the discharge of wastewater into the surface waters of the state.

**PASS THROUGH.** A discharge which exits the POTW into waters of the state in quantities or concentrations which, alone or in conjunction with a discharge or discharges from

other sources, cause a violation of any requirement of the Act or state act.

**PERSON.** Any individual, firm, municipality, company, association, society, corporation, partnership, or group, including their officers and employees who have responsibility for or actual involvement in the matters regulated by this Division.

**pH.** The logarithm (Base 10) of the reciprocal of the concentration of hydrogen ions in moles per liter of solution.

**POLLUTANT.** Any material which is discharged to the POTW or is proposed for discharge to the POTW. The term also includes properties of such materials such as pH and heat.

**POTW.** Publicly owned treatment works, as defined by Section 212 of the Act, which are owned by the City and the collection system. The term also means the City or its authorized representative. This term includes any devices, processes, and systems used by or for the City in the storage, treatment, recycling, or reclamation of wastewater or sludge from the treatment works or the collection system.

**POTW TREATMENT PLANT.** The POTW exclusive of the collection system.

**PREMISES.** A lot or parcel of land, generally, or each lot or parcel of land, or building, having any connection, direct or indirect, to the POTW, as the context of the word within this Division dictates.

**PRETREATMENT.** The reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to or in lieu of discharging or otherwise introducing such pollutants into the POTW. The reduction or alteration may be obtained by physical, chemical, or biological processes, process changes, or by other means, except for the use of dilution, unless expressly authorized by an applicable pretreatment standard or requirement.

**SANITARY SEWAGE.** Wastewater or pollutants from toilet, kitchen, laundry, bathing, or other facilities all of which are used for household purposes or for non-commercial purposes at a commercial location.

**SEVERE PROPERTY DAMAGE.**

Substantial physical damage to property, damage to the treatment facilities of a user which causes them to become all or partially inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

**SEWER.** A pipe or conduit for carrying wastewater, storm water, surface runoff, or groundwater.

**SIGNIFICANT NON-DOMESTIC USER.**

Any non-domestic user of the POTW that

(1) Has a monthly average discharge to the POTW of 25,000 gallons or more per day, excluding sanitary sewage, non-contact cooling water, and blowdown from heating or air conditioning systems; or

(2) Discharges or has a reasonable potential to discharge any toxic pollutant as defined pursuant to Section 307 of the Act, unless the actual or potential effect on the POTW is determined by the City Director to be insignificant; or

(3) Is found by the City Director to have a reasonable potential for adversely affecting the POTW, or for violating any limit, discharge prohibition, pretreatment standard or requirement; or

(4) Is subject to a CPS; or

(5) Discharges wastewater, other than sanitary sewage, non-contact cooling water, and blowdown from heating or air conditioning systems, which makes up 5% or more of the average dry weather hydraulic or organic capacity of the POTW.

**SLUDGE.** Solids or other residue, either of which are separated from wastewater and generated by any treatment process, or solids or other residue directly separated from a production process.

**SLUG DISCHARGE.** A discharge of a nonroutine, episodic nature, including, but not limited to, an accidental spill or a non-customary batch discharge.

**SOURCE.** Any building, structure, facility, vehicle, or installation from which there is or may be a discharge to the POTW.

**STATE ACT.** Part 31 Water Resources Protection of the Michigan Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended, and all rules promulgated thereunder.

**TOTAL SUSPENDED SOLIDS.** Solids that either float on the surface of, or are in suspension in, wastewater and which can be recovered by standard laboratory filtering, using US EPA method number 106.2.

**UPSET.** An exceptional incident in which there is unintentional and temporary non-compliance with categorical pretreatment standards or other limits applicable to the user because of factors beyond the reasonable control of the user. An upset does not include non-compliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

**US EPA.** The United States Environmental Protection Agency or its successor.

**USER.** A person who discharges into the POTW and a municipality or drainage district whose collection system discharges into the POTW.

**WASTEWATER.** Water discharged to the POTW by a user which may or may not contain other pollutants. This term does not include storm water, surface runoff, or non-

contaminated groundwater and non-contact cooling water.

**§ 46-146 DISCHARGE PROHIBITIONS AND LIMITS.**

(a) *Discharge Prohibitions.* The provisions in this section are intended to:

(1) Prohibit the discharge to the POTW of wastewater which may cause pass-through or interference or which could have detrimental effects on the physical structures or operating personnel of the POTW, or on the general public or the environment, and

(2) Restrict the discharge to the POTW of storm water, groundwater, and non-contact cooling water.

(b) *Prohibited Discharges.* No user shall discharge, cause to be discharged, or allow to be discharged into the POTW any of the following:

(1) Pollutants which may or do create a fire or explosion hazard in the POTW, including, but not limited to, pollutants or wastewater with a closed cup flashpoint of less than 140° Fahrenheit (60° Celsius), as determined by a Pensky-Martens closed cup tester, using the test method specified in ATSM Standard D-93-79 or D-93-80K (incorporated by reference, see 40 CFR § 260.21) or a Setflash closed cup tester, using the test method specified in ATSM Standard D-3278-78 (incorporated by reference, see 40 CFR § 260.21), and pollutants which exceed 10% of the lower explosive limit (LEL) at any point within the POTW;

(2) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute or chronic health and safety problems for workers or exceed any applicable occupational health or safety standard;

(3) Pollutants which may or do cause corrosive or abrasive structural damage to the POTW;

(4) Solid or viscous pollutants in amounts which may or do obstruct flow or cause interference in the POTW;

(5) Wastewater having an instantaneous pH less than 6.0 or greater than 10.5;

(6) Any pollutant, including oxygen-demanding pollutants, re-leased in a discharge at a flow rate and/or pollutant concentration which may or do cause interference in the POTW;

(7) Pollutants which may or do cause:

A. Restriction of hydraulic capacity of structures in the POTW;

B. Unsafe conditions to personnel in the operation, inspection, or maintenance of the POTW or unsafe conditions to the general public, with respect to the collection system;

C. Exceptional or unreasonably burdensome effort, attention, or expense in the operation or maintenance of the POTW;

D. Heat in amounts which will inhibit biological activity in the POTW, resulting in interference, but in no case heat such that the temperature at the discharge to the collection system exceeds 150° Fahrenheit (66° Celsius) or the influent at the POTW treatment plant exceeds 104° Fahrenheit (40° Celsius).

(8) Pollutants which may or do cause pass-through or interference.

(9) Any pollutants which exceed, for that user, the limitations set forth in a categorical pretreatment standard, as adjusted under the combined wastestream formula in Michigan Rule R 323.2311(7), which may be expressed as concentration limits, mass limits, or both, as provided in Michigan Rule R 323.2311(5). A categorical pretreatment standard shall be adjusted if 40 CFR 403.15 applies and the criteria of 40 CFR 403.15(b) and (c) are met (net/gross calculation).

(10) Any liquids, gases, or solids which either singly or by interaction with other substances may or do create a public nuisance.

(11) Any pollutant introducing colors not removed in the POTW treatment process, such as but not limited to, dye wastes and vegetable tanning solutions.

(12) Any unpolluted water, non-contact cooling water, storm water, groundwater or surface water, unless the City Director gives written permission to the user for the discharge of such waters based on available hydraulic capacity and potential impacts on the POTW treatment capability. The scope and duration of the discharge of such waters shall be determined at the sole discretion of the City Director.

(13) Any radioactive wastes in harmful quantities as such quantities are defined by applicable state and federal regulations.

(14) Any grease or other pollutants that will become solid or viscous at a temperature of 140° Fahrenheit (60° Celsius) or below after being discharged into the POTW.

(15) Hazardous substances that were not listed or disclosed in the user's application for a use permit that:

A. May or do cause or contribute to a violation of state or federal water quality standards in the receiving waters to which the POTW discharges, or

B. Result in or contribute to a liability of the City under Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended, or the Federal Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended (CERCLA). Nothing in this paragraph determines the percentage share or allocation share amount of a user's Part 201 or CERCLA liability.

(16) Hazardous substances in quantities exceeding the numerical limit in a user's use permit which:

A. May or do cause or contribute to a violation of state or federal water quality standards in the receiving waters to which the POTW discharges, or

B. Result in or contribute to a liability of the City under Part 201 of the Michigan Natural Resources and Environmental Protection Act, Act 451 of 1994, as amended, or the Federal Comprehensive Environmental Response Compensation and Liability Act of 1980, as amended (CERCLA). Nothing in this paragraph determines the percentage share or allocation share amount of a user's Part 201 or CERCLA liability.

(17) Sludge, unless the City Director has determined that it is amenable to treatment by the POTW and does not otherwise violate any discharge prohibition.

(18) Any new or used petroleum oil or grease, non-biodegradable cutting oil, or products of mineral oil origin, in amounts that may or do cause interference or pass-through. Concentration limits for specific pollutants.

*(c) Pollutant Concentration Limits.*

(1) Discharges made by non-domestic users having concentrations of specific pollutants greater than the pollutant concentration limits described in Table 46-146(c) in the Appendix at the end of this Chapter are prohibited, except as regulated under Subsection D of this Section.

*(2) Measurement of Pollutant Concentrations.*

A. The instantaneous concentration limit for a specific pollutant shall apply to the instantaneous concentration of the pollutant measured by sampling in accordance with § 46-149(A)(3)a.

B. The daily concentration limit for a specific pollutant shall apply to the daily concentration of the pollutant measured by sampling in accordance with § 46-149(A)(3)b.

(d) *Special Alternative Limit.* The City Director may grant a special alternative limit (SAL) to a user in a use permit or an order that allows discharges to the POTW that are otherwise prohibited by this section. The SAL may include other special arrangements between the City and the user including, but not limited to, limits less than the discharge limits in Subsection C of this Section. The decision to grant a SAL shall be made at the sole discretion of the City Director. The SAL or special arrangement may be terminated or modified at will at any time by the City. A SAL or other special arrangement shall not create any vested rights or property rights in the user. A SAL or other special arrangement shall create no rights to discharge to the POTW which the user would not have in the absence of a SAL or special arrangement. Provisions relating to termination or modification of a SAL or special arrangement may be more fully set forth in the SAL or special arrangement document. As a condition precedent to the grant of a SAL or entry into a special arrangement, the City shall require the user to sign an acknowledgment and acceptance of the provisions of this subsection. Any SAL or special arrangement may contain provisions for the user to pay a compensatory charge to the City. A SAL shall not be higher than a categorical pretreatment standard unless a removal credit or a fundamentally different factor variance applies to allow the user to exceed the otherwise applicable categorical pretreatment standard. In such case, the SAL shall not exceed the limit allowed by the removal credit or variance. A violation of a SAL or of the terms of a special arrangement shall be a violation of this Division.

(1) *Procedures for Establishing Special Alternative Limits.* In determining a SAL or a special arrangement, the City Director shall allocate a share of the maximum allowable industrial loading for the pollutant of concern set forth in Paragraph 2 of this Subsection among

one or more non-domestic users in amounts and on terms and conditions deemed appropriate by the City Director.

(2) *Maximum Allowable Industrial Loadings.* The total mass of a pollutant of concern used by or allocated to all non-domestic users, including mass allocated by the City Director in establishing SALs for the pollutant, shall not exceed in the aggregate for all non-domestic users the maximum allowable industrial loadings described in Table 46-146(D)2 in the Appendix at the end of this Chapter.

(e) *Local Initiative Limits.* The City Director may impose limits on a user for pollutants not specifically listed in Table 46-146(c) in the Appendix at the end of this Chapter, which may be in a use permit or in an order. In determining a local initiative limit (LIL), the City Director shall consider available data on acceptable POTW pollutant loading based on POTW design, treatability of the pollutant, the potential for pass-through or interference, current POTW pollutant loading, the properties of the pollutant, and other relevant factors deemed appropriate by the City Director. The City Director may also establish generally applicable LILs by rulemaking. A generally applicable LIL may be established and shall be enforceable as a discharge prohibition, provided the City Director first publishes notice of the proposed LILs in the newspaper in the City with the largest circulation, provides written notice to users who are known to the City Director to discharge a significant mass or concentration of the pollutant, and provides for an opportunity to interested persons to submit written comments. If significant public comments are received, the City Director shall hold a public hearing to take additional oral and written comments. After these procedures are completed, the City Director shall publish the final enforceable LILs in the same newspaper along with the effective date of the LILs.

(f) *Categorical Pretreatment Standards.* A user shall comply with all categorical pretreatment standards and any other pretreatment requirements established under

307(B), 307(C), or 402(B)(8) of the Act that are applicable to that user, as adjusted under the combined wastestream formula in Michigan Rule R 323.2311(7). If a categorical pretreatment standard and another limit contained in this Division or in an applicable state of Michigan pretreatment requirement regulate the same pollutant, then the more restrictive of them shall apply. If a user requests that a removal credit be applicable to that user, then such user shall pay all costs associated with supporting, obtaining, and administering the removal credit so that the City incurs no costs. It shall be at the sole discretion of the City whether or not a removal credit shall be established and how a removal credit shall be allocated.

(g) *Trucked Wastes.* No wastes or wastewater shall be discharged by any user or person into the POTW from a vehicle which transported the waste or wastewater to the point

of discharge. The preceding sentence does not prohibit a user from trucking wastes or wastewater to the user's treatment facility.

(h) *Future Conditions.* Future conditions imposed on the City by government agencies with proper jurisdiction may require subsequent amendment of this ordinance by the City. Where federal or state-promulgated pretreatment standards require limits on parameters not covered in this ordinance or limits more stringent than those specified in the ordinance, the state or federal limits shall have precedence and take effect with respect to the applicable user on the later of their promulgation date or the date specified for compliance with such standards.

(i) *Reserved Right of Revision.* The City reserves the right to establish by ordinance, rule, order, or use permit more stringent limitations or requirements on discharges to the POTW.

Appendix

Table 46-146(c) Pollutant Concentration Limits  
 Table 46-146(d)(2) Maximum Allowable Industrial Loadings

Table 46-146(c)

Pollutant	Daily Concentration Limits
Biochemical Oxygen Demand	1,196 mg/L
Hexane-Extractable Material	100 mg/L 500 <sup>3</sup> mg/L
Ammonia-Nitrogen	110 mg/L
Total Phosphorus	14 mg/L
Total Suspended Solids	570 mg/L
Total Arsenic	51 ug/L
Total Cadmium	44 ug/L
Total Chromium	1,273 ug/L
Total Copper	896 ug/L
Available Cyanide	3300 ug/L
Total Lead	247 ug/L
Total Mercury	ND <sup>1</sup>
Total Nickel	543 ug/L
Total Silver	19 ug/L
Total Zinc	2,626 ug/L
Total PCB	ND <sup>2</sup>
Benzene	190 ug/L
Toluene	5600 ug/L
Ethylbenzene	4100 ug/L
Total Xylenes	6800 ug/L

<sup>1</sup> Mercury sample collection, preservation, and handling procedures and analytical protocol for compliance monitoring shall be in accordance with US-EPA Method 245.1 or 245.2 or Method 1631, as determined by the City Director. Whenever the quantification level is above the discharge limit, the discharge of mercury at or above the quantification level shall represent an exceedance of the limit. The quantification level under Methods 245.1 and 245.2 shall be 0.2 ug/L, unless a higher level is appropriate due to matrix interference. If the concentration of the discharge sample is less than the quantification level when Method 245.1 or 245.2 are applicable, the user shall be considered to be in compliance with the mercury limit for the period that the sample represents, provided that the user is also in full compliance with any mercury minimization requirements applicable to that user. However, the discharge of mercury at or above the quantification level shall represent a violation of §46-146(c). The quantification level under Method 1631 shall be 0.5 ng/L, unless a higher level is appropriate due to matrix interference. Justification for higher quantification levels shall be submitted to the City Director within 30 days of such determination. This footnote does not authorize the discharge of mercury at levels which interfere with the POTW or which constitute a threat to public health, welfare, or the waters of the State.

<sup>2</sup> Total PCB shall be defined as the sum of the concentrations of Aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260. In addition, any detected Aroclor-specific measurements shall be reported. Total PCB sample collection, preservation and handling procedures and analytical protocol for compliance monitoring shall be in accordance with US EPA Method 608. The quantification level shall not exceed 0.2 ug/L, unless a higher level is appropriate due to sample matrix interference. Whenever the quantification level is less than or equal to the discharge limit, the discharge limit shall apply directly; however, whenever the quantification level is above the discharge limit, the discharge of Total PCB at or above the quantification level shall represent an exceedance of the limit. If the concentration of the discharge sample is less than the quantification level, the user shall be considered to be in compliance with the Total PCB limit for the period that the sample represents, provided that the user is also in full compliance with any Total PCB minimization requirements applicable to that user. However, the discharge of total PCB at or above the quantification level shall represent a violation of §46-146(c). Any Aroclor analytical result which is less than the quantification level shall be considered as a zero in the summation of the Aroclor results for the sample. This footnote does not authorize the discharge of total PCB at levels which interfere with the POTW or which constitute a threat to public health, welfare or the waters of the State.

<sup>3</sup> The Standard Ordinance Limit of 500 mg/L for Hexane extractable material is applicable only to discharges of petroleum – based HEM, as determined by the City Director. The 100 mg/L Standard Ordinance Limit is applicable to all food waste HEM and all other discharges.

Table 46-146(d)(2)

Maximum Allowable Industrial Loadings	
Pollutant	Maximum Allowable Industrial Loading
Biochemical Oxygen Demand	35,900 Pounds/Day
Ammonia Nitrogen	3,300 Pounds/Day
Total Phosphorus	418 Pounds/Day
Total Suspended Solids	17,100 Pounds/Day
Total Arsenic	1.53 Pounds/Day
Total Cadmium	1.31 Pounds/Day
Total Chromium	38.2 Pounds/Day
Total Copper	26.9 Pounds/Day
Available Cyanide	2.06 Pounds/Day
Total Lead	7.40 Pounds/Day
Total Nickel	16.3 Pounds/Day
Total Silver	0.559 Pounds/Day
Total Zinc	78.8 Pounds/Day
Benzene	8.95 Pounds/Day
Toluene	116 Pounds/Day
Ethylbenzene	6.71 Pounds/Day
Total Xylenes	12.9 Pounds/Day



**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises										
Worksheet A										
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any mixtures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SHCU" (Significant Non-domestic User) at the bottom of each page.										
Potentially Harmful Substance Present			Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA Mat Sub	Prior Pol	MDOD Crt Mat	MIQSHA Air Cont	small	large	some	none
1	Aspirin	5083-94-8				Yes				
2	Acenaphthene	83-32-9		Yes			small	large	some	none
3	Acenaphthylene	208-88-4		Yes			small	large	some	none
4	Acetaldehyde	75-07-0	Yes			Yes	small	large	some	none
5	Acetic Acid	64-19-7	Yes				small	large	some	none
6	Acetic Anhydride	108-24-7	Yes			Yes	small	large	some	none
7	Acetone Cyanohydrin	75-45-5	Yes				small	large	some	none
8	2-Acetylaminofluorene	53-95-3				Yes	small	large	some	none
9	Acetyl Bromide	506-96-7	Yes				small	large	some	none
10	Acetyl Chloride	75-36-1	Yes				small	large	some	none
11	Acetylene Tetraiodide	79-27-4			Yes		small	large	some	none
12	Acrolein	107-02-8	Yes	Yes		Yes	small	large	some	none
13	Acrylamide	73-06-1				Yes	small	large	some	none
14	Acrylonitrile	107-13-1	Yes	Yes		Yes	small	large	some	none
15	Adipic Acid	174-04-9	Yes				small	large	some	none
16	Algin	359-00-2	Yes	Yes	Yes	Yes	small	large	some	none
17	Allyl Alcohol	107-18-6	Yes			Yes	small	large	some	none
18	Allyl Chloride	107-05-1	Yes			Yes	small	large	some	none
19	Allyl Glycidyl Ether (AGE)	108-92-3				Yes	small	large	some	none
20	Allyl Propyl Disulfide	2179-59-1				Yes	small	large	some	none
21	Alpha-BHC	319-84-6		Yes			small	large	some	none
22	Aluminum Sulfate	10043-01-3	Yes				small	large	some	none
23	4-Aminobiphenyl	92-47-1				Yes	small	large	some	none
24	Aniline	61-82-5				Yes	small	large	some	none
25	Ammonia	7664-41-7				Yes	small	large	some	none
26	Ammonium Acetate	631-61-8	Yes				small	large	some	none
27	Ammonium Benzoate	1883-83-4	Yes				small	large	some	none
28	Ammonium Bicarbonate	1055-33-7	Yes				small	large	some	none
29	Ammonium Bichromate	7789-09-5	Yes				small	large	some	none
30	Ammonium Bisulfide	1241-49-7	Yes				small	large	some	none
31	Ammonium Bisulfite	10182-30-0	Yes				small	large	some	none
32	Ammonium Carbonate	1111-78-0	Yes				small	large	some	none
33	Ammonium Carbonate	506-87-6	Yes				small	large	some	none
34	Ammonium Chloride	12125-02-9	Yes			Yes	small	large	some	none
35	Ammonium Chromate	7788-98-9	Yes				small	large	some	none
36	Ammonium Citrate, D basic	5012-85-5	Yes				small	large	some	none
37	Ammonium Fluoroborate	12826-83-0	Yes				small	large	some	none
38	Ammonium Fluoride	12125-01-8	Yes				small	large	some	none
39	Ammonium Hydroxide	1336-21-6	Yes				small	large	some	none
40	Ammonium Oxalate	6009-70-7	Yes				small	large	some	none
41	Ammonium Sulfate	16910-10-0	Yes				small	large	some	none
42	Ammonium Sulfate	7773-05-0	Yes			Yes	small	large	some	none
43	Ammonium Sulfide	12135-78-1	Yes				small	large	some	none
44	Ammonium Sulfite	10195-04-0	Yes				small	large	some	none
45	Ammonium Tartrate	3154-22-2	Yes				small	large	some	none
46	Ammonium Thiocyanate	1782-95-4	Yes				small	large	some	none
47	Amyl Acetate	628-83-7	Yes			Yes	small	large	some	none
48	n-Propyl Acetate	628-38-0	Yes			Yes	small	large	some	none
49	Aniline	62-53-3	Yes			Yes	small	large	some	none
50	Arsenide (o and p isomers)	29181-52-4				Yes	small	large	some	none
51	Anthracene	120-93-7		Yes			small	large	some	none
52	Antimony (and all compounds)	7440-36-0	Yes	Yes			small	large	some	none
53	Antimony Pentasulfide	7647-18-9	Yes	Yes			small	large	some	none
54	Antimony Pentasulfide	7783-70-2	Yes	Yes			small	large	some	none
55	Antimony Potassium Tartrate	26300-74-5	Yes	Yes			small	large	some	none
56	Antimony Trisulfide	7782-61-9	Yes	Yes			small	large	some	none
57	Antimony Trichloride	10025-81-9	Yes	Yes			small	large	some	none
58	Antimony Trifluoride	7783-56-4	Yes	Yes			small	large	some	none
59	Antimony Trisulfide	1309-64-4	Yes	Yes			small	large	some	none
60	Arsenic (and all compounds)	7440-33-2	Yes	Yes	Yes	Yes	small	large	some	none
61	Arsenic Acid	7776-39-4	Yes	Yes	Yes	Yes	small	large	some	none
62	Arsenic Dioxide	1303-32-8	Yes	Yes	Yes	Yes	small	large	some	none
63	Arsenic Pentoxide	1303-26-3	Yes	Yes	Yes	Yes	small	large	some	none
64	Arsenic Trioxide	1327-53-3	Yes	Yes	Yes	Yes	small	large	some	none
65	Arsenic Trisulfide	1303-33-9	Yes	Yes	Yes	Yes	small	large	some	none
66	Arsenous Trichloride	7784-54-1	Yes	Yes	Yes	Yes	small	large	some	none
67	Arsina	7784-42-1	Yes	Yes	Yes	Yes	small	large	some	none
68	Asbestos (friable)	1332-21-4		Yes			small	large	some	none
69	Auzasite	1012-24-9				Yes	small	large	some	none
70	Azobisisobutyronitrile	2642-71-9				Yes	small	large	some	none
71	Azobisisobutyronitrile	86-50-0	Yes				small	large	some	none
72	Barium Cyanide	512-62-1	Yes				small	large	some	none
73	Benzene	17804-29-2				Yes	small	large	some	none
74	Benz(a)Anthracene	56-55-3		Yes	Yes		small	large	some	none
75	Benzene	71-43-2	Yes	Yes	Yes	Yes	small	large	some	none
76	Benzidine	92-87-5	Yes	Yes		Yes	small	large	some	none
77	3,4-Benzofluoranthene	225-99-2	Yes				small	large	some	none
78	Benzofluoranthene (1,12-Benzoperylene)	191-24-2	Yes				small	large	some	none
79	Benzofluoranthene (1,11,12-Benzoperylene)	237-08-9	Yes				small	large	some	none
80	Benzoic Acid	65-85-0	Yes				small	large	some	none
81	Benzoin	100-47-0	Yes				small	large	some	none
82	Benzoyl Chloride	98-68-4	Yes				small	large	some	none
83	Benzoyl Peroxide	94-36-0				Yes	small	large	some	none

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises													
Worksheet A													
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any in structures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SNDU" (Significant Non-domestic User) at the bottom of each page.													
84	Benzo(a)Pyrene	50-32-6	Yes	Yes	Yes	small	large	some	none				
85	p-Benzoguanone	106-51-4	Yes		Yes	small	large	some	none				
86	Benzyl Chloride	100-44-7	Yes		Yes	small	large	some	none				
87	Beryllium (and all compounds)	7440-41-7	Yes	Yes	Yes	small	large	some	none				
88	Beryllium Chloride	7787-47-5	Yes	Yes	Yes	small	large	some	none				
89	Beryllium Fluoride	7787-49-7	Yes	Yes	Yes	small	large	some	none				
90	Beryllium Nitrate	13597-88-4	Yes	Yes	Yes	small	large	some	none				
91	Beta-Ethc	318-85-7	Yes		Yes	small	large	some	none				
92	Biphenyl	91-52-4	Yes		Yes	small	large	some	none				
93	Bis(2-Chloro-1-Methylethyl)Ether	108-60-1	Yes		Yes	small	large	some	none				
94	Bis(2-Chloroethyl)Methane	111-91-1	Yes		Yes	small	large	some	none				
95	Bis(2-Chloroethyl)Ether	111-44-4	Yes		Yes	small	large	some	none				
96	Bis(2-Ethylhexyl)Phosphate	117-81-7	Yes		Yes	small	large	some	none				
97	Boron Trifluoride	7637-07-2	Yes		Yes	small	large	some	none				
98	Bromacil	314-40-9	Yes		Yes	small	large	some	none				
99	Bromine	7726-95-6	Yes		Yes	small	large	some	none				
100	Bromine Pentafluoride	7789-30-2	Yes		Yes	small	large	some	none				
101	4-Bromobenzyll Phenyl Ether	101-55-3	Yes	Yes		small	large	some	none				
102	1,3-Butadiene	106-99-0	Yes		Yes	small	large	some	none				
103	Butane	106-97-8	Yes		Yes	small	large	some	none				
104	2,6-Di-tert-Butyl-p-Cresol	128-27-0	Yes		Yes	small	large	some	none				
105	Butyl Acetate	123-86-4	Yes		Yes	small	large	some	none				
106	Butyl Acrylate	141-32-2	Yes		Yes	small	large	some	none				
107	Butyl Benzyl Phthalate	85-88-7	Yes		Yes	small	large	some	none				
108	Butyl Mercaptan	103-70-5	Yes		Yes	small	large	some	none				
109	Burylamine	109-73-9	Yes		Yes	small	large	some	none				
110	Di-n-Butyl Phthalate	84-74-2	Yes		Yes	small	large	some	none				
111	n-Butyl Glycidyl Ether (BGE)	2428-08-6	Yes		Yes	small	large	some	none				
112		138-22-7	Yes		Yes	small	large	some	none				
113	n-sec-Butylphenol	89-72-5	Yes		Yes	small	large	some	none				
114	p-tert-Butyltoluene	98-31-1	Yes		Yes	small	large	some	none				
115	sec-Butyl Acetate	105-46-4	Yes		Yes	small	large	some	none				
116	sec-Butyl Alcohol	78-92-2	Yes		Yes	small	large	some	none				
117	tert-Butyl Acetate	540-88-5	Yes		Yes	small	large	some	none				
118	tert-Butyl Chromate	1189-43-1	Yes		Yes	small	large	some	none				
119	Butyric Acid	107-92-6	Yes		Yes	small	large	some	none				
120	Cadmium (and all compounds)	7440-43-9	Yes	Yes	Yes	small	large	some	none				
121	Cadmium Acetate	543-60-8	Yes	Yes	Yes	small	large	some	none				
122	Cadmium Bromide	7789-42-6	Yes	Yes	Yes	small	large	some	none				
123	Cadmium Chloride	10109-64-2	Yes	Yes	Yes	small	large	some	none				
124	Cadmium Oxide	1309-19-0	Yes	Yes	Yes	small	large	some	none				
125	Cadmium Stearate	2223-93-0	Yes	Yes	Yes	small	large	some	none				
126	Calcium Arsenite	7778-44-1	Yes		Yes	small	large	some	none				
127	Calcium Arsenite	52743-18-6	Yes		Yes	small	large	some	none				
128	Calcium Carbide	75-20-7	Yes		Yes	small	large	some	none				
129	Calcium Chromate	13785-19-0	Yes		Yes	small	large	some	none				
130	Calcium Cyanamide	156-82-7	Yes		Yes	small	large	some	none				
131	Calcium Cyanide	597-01-8	Yes	Yes		small	large	some	none				
132	Calcium Dodecylbenzenesulfonate	26284-06-2	Yes		Yes	small	large	some	none				
133	Calcium Hypochlorite	7778-54-3	Yes		Yes	small	large	some	none				
134	Camphor, Synthetic	76-72-2	Yes		Yes	small	large	some	none				
135	Caproic Acid	105-60-2	Yes		Yes	small	large	some	none				
136	Captafol	2425-06-1	Yes		Yes	small	large	some	none				
137	Caplan	133-06-2	Yes		Yes	small	large	some	none				
138	Carbaryl	63-25-2	Yes		Yes	small	large	some	none				
139	Carbofuran	1563-86-2	Yes		Yes	small	large	some	none				
140	Carbon Disulfide	75-13-0	Yes		Yes	small	large	some	none				
141	Carbon Tetrabromide	558-13-4	Yes		Yes	small	large	some	none				
142	Carbon Tetrachloride	56-23-5	Yes	Yes	Yes	small	large	some	none				
143	Catechol	120-80-9	Yes		Yes	small	large	some	none				
144	1-Chloro-1-Propane	800-29-9	Yes		Yes	small	large	some	none				
145	2-Chloroacetophenone	532-27-4	Yes		Yes	small	large	some	none				
146	2-Chloroethyl Vinyl Ether (mixed)	110-75-8	Yes		Yes	small	large	some	none				
147	2-Chloronaphthalene	91-58-7	Yes		Yes	small	large	some	none				
148	2-Chlorophenol	95-57-8	Yes		Yes	small	large	some	none				
149	4-Chlorophenyl Phenyl Ether	7905-72-3	Yes		Yes	small	large	some	none				
150	Chlorane	57-74-9	Yes	Yes	Yes	small	large	some	none				
151	Chlorinated Diphenyl Oxide	55720-93-5	Yes		Yes	small	large	some	none				
152	Chlorine	7782-50-5	Yes		Yes	small	large	some	none				
153	Chlorine Dioxide	10049-01-4	Yes		Yes	small	large	some	none				
154	Chlorine Trifluoride	7790-31-2	Yes		Yes	small	large	some	none				
155	Chloroacetyl Chloride	79-04-9	Yes		Yes	small	large	some	none				
156	Chlorobenzene	108-90-7	Yes	Yes	Yes	small	large	some	none				
157	Chlorobromomethane	74-97-5	Yes		Yes	small	large	some	none				
158	Chlorobromomethane	121-48-1	Yes		Yes	small	large	some	none				
159	Chlorofluoromethane	75-45-6	Yes		Yes	small	large	some	none				
160	Chloroethane	75-00-3	Yes		Yes	small	large	some	none				
161	Chloroform	67-66-3	Yes	Yes	Yes	small	large	some	none				
162	Chloroethyl Methyl Ether	107-30-2	Yes		Yes	small	large	some	none				
163	Chloroform	78-06-2	Yes		Yes	small	large	some	none				
164	Chloroform	126-99-8	Yes		Yes	small	large	some	none				
165	Chlorosulfonic Acid	7790-04-5	Yes		Yes	small	large	some	none				
166	Chloropyrifos	2921-88-2	Yes		Yes	small	large	some	none				
167	o-Chlorobenzylidene Malonamide	2668-41-1	Yes		Yes	small	large	some	none				
168	o-Chlorostyrene	2039-87-4	Yes		Yes	small	large	some	none				
169	o-Chlorotoluene	95-49-8	Yes		Yes	small	large	some	none				

Application Number:

Page 2

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application  
Potentially Harmful Substances on Premises

Worksheet A

Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any in structure, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SNDU" (Significant Non-domestic User) at the bottom of each page.

170 p-Chloro-m-Cresol	59-50-7	Yes				small	large	some	none
171 Chromic Acetate	1068-30-4	Yes	Yes	Yes		small	large	some	none
172 Chromic Acid	11115-74-5	Yes	Yes	Yes		small	large	some	none
173 Chromic Chloride	10035-73-7		Yes	Yes		small	large	some	none
174 Chromic Sulfate	10101-53-8	Yes	Yes	Yes		small	large	some	none
175 Chromium (and all compounds)	7440-47-3		Yes	Yes		small	large	some	none
176 Chromium (VI)	1333-82-0		Yes	Yes		small	large	some	none
177 Chromous Chloride	10049-05-5	Yes	Yes	Yes		small	large	some	none
178 Chrysene	2181-01-9		Yes			small	large	some	none
179 Coal Tar Pitch Volatiles	65098-93-2				Yes	small	large	some	none
180 Cobalt Carbonyl	10210-68-1				Yes	small	large	some	none
181 Cobalt Hydrocarbonyl (as Co)	16842-03-8				Yes	small	large	some	none
182 Cobaltous Bromide	7789-43-7	Yes				small	large	some	none
183 Cobaltous Formate	544-18-3	Yes				small	large	some	none
184 Cobaltous Sulfamate	14017-41-5	Yes				small	large	some	none
185 Copper (and all compounds)	7440-50-8		Yes	Yes		small	large	some	none
186 Copper Cyanide	544-82-3		Yes	Yes	Yes	small	large	some	none
187 Coumatizos	56-72-4	Yes				small	large	some	none
188 Cresol	1316-77-3	Yes			Yes	small	large	some	none
189 Crotonaldehyde	4170-30-3	Yes			Yes	small	large	some	none
190 Crotonaldehyde(E)	123-73-9				Yes	small	large	some	none
191 Crotonate	299-86-5				Yes	small	large	some	none
192 Cumene	98-82-8				Yes	small	large	some	none
193 Cupric Acetate	142-71-2	Yes	Yes			small	large	some	none
194 Cupric Acetoarsenite	12002-03-8	Yes	Yes	Yes		small	large	some	none
195 Cupric Chloride	7447-39-4	Yes	Yes	Yes		small	large	some	none
196 Cupric Nitrate	3251-23-8	Yes	Yes	Yes		small	large	some	none
197 Cupric Oxalate	5893-66-3	Yes	Yes	Yes		small	large	some	none
198 Cupric Sulfate	7758-99-7	Yes	Yes	Yes		small	large	some	none
199 Cupric Sulfate, Ammoniated	10350-29-7	Yes	Yes	Yes		small	large	some	none
200 Cupric Tartrate	815-82-7	Yes	Yes	Yes		small	large	some	none
201 Cyanide Compounds			Yes		Yes	small	large	some	none
202 Cystogen	460-10-5				Yes	small	large	some	none
203 Cystogen Chloride	536-77-4				Yes	small	large	some	none
204 Cyclohexane	110-82-7	Yes			Yes	small	large	some	none
205 Cyclohexanol	108-93-0				Yes	small	large	some	none
206 Cyclohexanone	108-94-1				Yes	small	large	some	none
207 Cyclohexene	110-83-8				Yes	small	large	some	none
208 Cyclohexylamine	109-91-8				Yes	small	large	some	none
209 Cycloolefin	121-82-4				Yes	small	large	some	none
210 Cyclopentadiene	542-92-7				Yes	small	large	some	none
211 Cyclopentane	287-92-3				Yes	small	large	some	none
212 Cyrenein	13121-70-5				Yes	small	large	some	none
213 2,4-Dichlorophenoxy Acic Acid (2,4-D)	94-75-7	Yes			Yes	small	large	some	none
214 4'-ODE (P,P'-DDE)	72-55-9		Yes	Yes		small	large	some	none
215 DDT (P,P',D,P' And Technical Grade)	50-29-3	Yes	Yes	Yes	Yes	small	large	some	none
216 Decaborane(14)	17702-41-9				Yes	small	large	some	none
217 Delta-BHC	316-86-8		Yes			small	large	some	none
218 Dermalon	8065-46-3				Yes	small	large	some	none
219 Dazinon	335-41-5	Yes			Yes	small	large	some	none
220 Diazomethane	334-88-3				Yes	small	large	some	none
221 Dibenz(A,H)Anthracene	53-70-3		Yes	Yes		small	large	some	none
222 Diborane	39287-45-7				Yes	small	large	some	none
223 1,2-Dibromoethane	106-93-4	Yes			Yes	small	large	some	none
224 2-n-Butylaminoethanol	102-81-8				Yes	small	large	some	none
225 Dibutyl Phosphate	107-66-4				Yes	small	large	some	none
226 Decamethylsiloxane	1018-00-0	Yes				small	large	some	none
227 1,1-Dichloro-1-Nitroethane	524-72-9				Yes	small	large	some	none
228 1,1-Dichloroethane	75-34-3		Yes		Yes	small	large	some	none
229 1,1-Dichloroethylene	75-35-4	Yes	Yes	Yes	Yes	small	large	some	none
230 1,2-Dichlorobenzene	95-50-1		Yes		Yes	small	large	some	none
231 1,2-Dichloroethane	107-06-2	Yes	Yes	Yes		small	large	some	none
232 1,2-Dichloroethylene	156-60-5		Yes		Yes	small	large	some	none
233 1,2-Dichloropropane	78-87-5		Yes		Yes	small	large	some	none
234 1,3-Dichloro-3,5-Dimethyl Hydantoin	118-52-5				Yes	small	large	some	none
235 1,3-Dichlorobenzene	541-73-1		Yes	Yes		small	large	some	none
236 1,3-Dichloropropylene (1,3-Dichloropropane)	542-75-6		Yes		Yes	small	large	some	none
237 1,4-Dichlorobenzene	106-48-7		Yes	Yes	Yes	small	large	some	none
238 2,2-Dichloropropionic Acid	75-99-0	Yes			Yes	small	large	some	none
239 2,4-Dichlorophenol	120-83-2		Yes			small	large	some	none
240 2,4-Dichlorophenoxy acetic Acid (2,4-D) Esters	94-11-1	Yes				small	large	some	none
241 3,3-Dichlorobenzidine	91-84-1		Yes	Yes	Yes	small	large	some	none
242 Dichlorobenzene	1104-65-6	Yes				small	large	some	none
243 Dichloroethane	117-85-6	Yes				small	large	some	none
244 Dichloroethylene	7572-28-4				Yes	small	large	some	none
245 Dichlorobenzene	25321-22-6	Yes				small	large	some	none
246 Dichlorobromomethane	75-27-4		Yes			small	large	some	none
247 Dichlorodifluoromethane (CFC-12)	75-71-8				Yes	small	large	some	none
248 Dichloromethyl Ether	542-88-1				Yes	small	large	some	none
249 Dichloromonofluoromethane	75-43-4				Yes	small	large	some	none
250 Dichloropropene	26638-19-7	Yes				small	large	some	none
251 Dichloropropene	26952-23-8	Yes				small	large	some	none
252 Dichloropropene - Dichloropropene (mixture)	8003-19-8	Yes				small	large	some	none
253 Dichlorotetrafluoroethane (CFC-114)	76-14-2				Yes	small	large	some	none
254 Dichloroethane	82-73-7	Yes			Yes	small	large	some	none
255 Decalol	115-32-2	Yes				small	large	some	none

Application Number

Page 3

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

**City of Flint Sanitary Sewer Use Permit Application  
Potentially Harmful Substances on Premises**

**Worksheet A**

Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment, including any in mixtures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SHDU" (Significant Non-domestic User) at the bottom of each page.

256 Dicrotichol	181-66-2					Yes	small	large	some	none
257 Dicycloperidazine	77-73-6					Yes	small	large	some	none
258 Dieldrin	60-57-1	Yes	Yes	Yes	Yes	Yes	small	large	some	none
259 Diethanolamine	111-42-2					Yes	small	large	some	none
260 Diethyl Phosphate	84-83-2					Yes	small	large	some	none
261 Diethylamine	109-69-7	Yes				Yes	small	large	some	none
262 o-o-Diethyl o-Pyrazinyl Phosphorothioate	297-97-2					Yes	small	large	some	none
263 Difluorodibromomethane	75-61-6					Yes	small	large	some	none
264 Diglycidyl Ether	2238-07-5					Yes	small	large	some	none
265 Diisobutyl Ketone	105-83-8					Yes	small	large	some	none
266 Diisopropylamine	108-18-9					Yes	small	large	some	none
267 2,4-Dimethylphenol	105-67-0		Yes				small	large	some	none
268 4-Dimethylaminoazobenzene	80-111-7					Yes	small	large	some	none
269 Dimethyl Phosphate	131-111-3			Yes			small	large	some	none
270 Dimethyl Sulfide	77-78-1					Yes	small	large	some	none
271 Dimethylamine	124-40-3	Yes				Yes	small	large	some	none
272 n,n-Dimethylamine	121-62-7					Yes	small	large	some	none
273 2,4-Dinitrophenol	51-28-5	Yes	Yes				small	large	some	none
274 2,4-Dinitrotoluene	121-14-2			Yes			small	large	some	none
275 4-Dinitro-o-Cresol	534-52-1			Yes		Yes	small	large	some	none
276 Dinitolide (3,5-Dinitro-o-Toluamide)	148-01-6					Yes	small	large	some	none
277 Dinitrobenzene (mixed isomers)	25151-54-5					Yes	small	large	some	none
278 Dinitrophenol	25550-58-7	Yes					small	large	some	none
279 Dinitrotoluene (mixed isomers)	25321-14-6		Yes			Yes	small	large	some	none
280 m-Dinitrobenzene	99-85-0					Yes	small	large	some	none
281 o-Dinitrobenzene	528-29-0					Yes	small	large	some	none
282 p-Dinitrobenzene	100-75-4					Yes	small	large	some	none
283 Dioxolan	78-34-2					Yes	small	large	some	none
284 1,2-Diphenylhydrazine	122-66-7		Yes				small	large	some	none
285 Diphenylamine	122-39-4					Yes	small	large	some	none
286 Dipropyl Ketone	123-19-3					Yes	small	large	some	none
287 Diquat	85-00-7	Yes				Yes	small	large	some	none
288 Dioxane	97-77-8					Yes	small	large	some	none
289 Disulfoton	298-04-4	Yes				Yes	small	large	some	none
290 Duron	130-54-1	Yes				Yes	small	large	some	none
291 Divinyl Benzene	1321-74-0					Yes	small	large	some	none
292 Dodecylbenzenesulfonic Acid	27176-87-0	Yes					small	large	some	none
293 Endosulfan	115-29-7	Yes	Yes		Yes		small	large	some	none
294 Endosulfan Sulfate	1031-07-8			Yes			small	large	some	none
295 Endrin	77-23-8	Yes	Yes	Yes	Yes		small	large	some	none
296 Endrin Alderhyde	7421-93-4			Yes			small	large	some	none
297 Epichlorohydrin	106-89-8	Yes				Yes	small	large	some	none
298 EPN	2134-64-5	Yes				Yes	small	large	some	none
299 Ethion	563-12-2	Yes				Yes	small	large	some	none
300 2-Ethoxyethyl Acetate (Cellosolve Acetate)	111-15-9					Yes	small	large	some	none
301 Ethyl Acetate	141-78-8					Yes	small	large	some	none
302 Ethyl Acrylate	140-65-5					Yes	small	large	some	none
303 Ethyl Amyl Ketone (5-Methyl-3-Heptanone)	541-85-5					Yes	small	large	some	none
304 Ethyl Bromide	74-95-4					Yes	small	large	some	none
305 Ethyl Butyl Ketone (3-Hexanone)	106-35-4					Yes	small	large	some	none
306 Ethyl Ether	60-29-7					Yes	small	large	some	none
307 Ethyl Formate	109-94-4					Yes	small	large	some	none
308 Ethyl Mercaptan	75-05-1					Yes	small	large	some	none
309 Ethyl Sulfate	78-13-4					Yes	small	large	some	none
310 Ethylbenzene	100-41-4	Yes	Yes			Yes	small	large	some	none
311 Ethylene Glycol Diacrylate	628-96-6					Yes	small	large	some	none
312 Ethylenediamine	107-15-3	Yes				Yes	small	large	some	none
313 Ethylenediamine-Tetraacetic Acid (EDTA)	60-00-4	Yes					small	large	some	none
314 Ethylene Harbomene	16218-75-3					Yes	small	large	some	none
315 Fenamphos	22224-92-6					Yes	small	large	some	none
316 Fenitrothion	115-90-2					Yes	small	large	some	none
317 Fenitrothion	55-38-9					Yes	small	large	some	none
318 Ferric Ammonium Citrate	1185-97-5	Yes					small	large	some	none
319 Ferric Ammonium Oxalate	2944-07-4	Yes					small	large	some	none
320 Ferric Ammonium Oxalate	55485-87-4	Yes					small	large	some	none
321 Ferric Chloride	7705-08-0	Yes					small	large	some	none
322 Ferric Fluoride	7783-50-8	Yes					small	large	some	none
323 Ferric Nitrate	10421-48-4	Yes					small	large	some	none
324 Ferric Sulfate	10028-22-5	Yes					small	large	some	none
325 Ferrous Ammonium Sulfate	10045-83-3	Yes					small	large	some	none
326 Ferrous Chloride	7758-94-3	Yes					small	large	some	none
327 Ferrous Sulfate	7720-78-7	Yes					small	large	some	none
328 Fluorantone	206-44-0		Yes				small	large	some	none
329 Fluorene	86-73-7		Yes				small	large	some	none
330 Fluorine	7782-41-4					Yes	small	large	some	none
331 Fonclor	944-22-9					Yes	small	large	some	none
332 Formaldehyde	50-00-0	Yes					small	large	some	none
333 Formic Acid	110-17-8	Yes					small	large	some	none
334 Furfural	98-01-1	Yes				Yes	small	large	some	none
335 Gasoline	8006-61-9					Yes	small	large	some	none
336 Gemnasium Tetrahydride	7782-65-2					Yes	small	large	some	none
337 Heptachlor	75-44-8	Yes	Yes	Yes	Yes		small	large	some	none
338 Heptachlor Epoxide	1024-57-3	Yes	Yes	Yes	Yes		small	large	some	none
339 Hexachlorobenzene	118-71-1	Yes					small	large	some	none
340 Hexachlorocyclopentadiene	87-60-3	Yes	Yes	Yes	Yes		small	large	some	none
341 Hexachlorocyclohexane	608-73-1	Yes	Yes				small	large	some	none

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises													
Worksheet A													
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment, including any mixtures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SNOU" (Significant Non-domestic User) at the bottom of each page.													
---	342	Hexachlorocyclopentadiene	77-47-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	343	Hexachloroethane	67-72-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	344	Hexachloronaphthalene	1335-87-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	345	Hexane	110-54-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	346	Hydrochloric Acid	7847-01-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	347	Hydrogen Cyanide	74-90-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	348	Hydrogen Fluoride	7664-39-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	349	Hydrogen Sulfide	7783-07-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	350	Hydrogen Sulfide	7783-06-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	351	Hydroquinone	123-31-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	352	Iseno(1,2,3-CD)Phylene (2,3-o-Phenyleneepylene)	193-39-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	353	Iron Pentacarbonyl	13463-45-6	Yes	Yes	Yes	Yes	small	large	some	none		
---	354	Isobutyl Acetate	123-92-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	355	Isobutyl Acetate	110-16-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	356	Isobutane	78-83-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	357	Isophorone	78-59-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	358	Isophorone Dithiocyanate	4099-71-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	359	Isoprene	78-78-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	360	Isopropylamine Dodecylbenzene Sulfonate	42504-45-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	361	Kepona	143-55-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	362	Lead (and all compounds)	7439-97-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	363	Lead Acetate	301-04-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	364	Lead Arsenate	3687-31-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	365	Lead Chloride	7784-95-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	366	Lead Fluoborate	13814-96-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	367	Lead Fluoride	7783-46-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	368	Lead Iodide	13101-63-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	369	Lead Nitrate	13099-74-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	370	Lead Selenate	1372-35-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	371	Lead Sulfate	7446-14-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	372	Lead Sulfide	1314-67-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	373	Lead Thiocyanate	592-67-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	374	Lindane	58-69-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	375	Lithium Chromate	14307-35-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	376	Lithium Hydride	7580-67-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	377	Malathion	121-75-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	378	Maleic Acid	110-16-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	379	Maleic Anhydride	108-31-6	Yes	Yes	Yes	Yes	small	large	some	none		
---	380	Manganese	7439-96-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	381	Manganese, Tricarbonyl Methylcyclopentadienyl	12108-13-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	382	MBOCA	101-14-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	383	Mercaptodimethyl	2032-65-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	384	Mercuro Acetate	1600-27-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	385	Mercuro Chloride	7487-94-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	386	Mercuro Cyanide	592-04-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	387	Mercuro Nitrate	10045-94-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	388	Mercuro Oxide	21908-53-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	389	Mercuro Sulfate	7783-35-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	390	Mercuro Thiocyanate	592-05-8	Yes	Yes	Yes	Yes	small	large	some	none		
---	391	Mercurous Nitrate	7782-66-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	392	Mercury (and all compounds)	7439-97-6	Yes	Yes	Yes	Yes	small	large	some	none		
---	393	Mercury Fuminate	628-86-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	394	Methacrylonitrile	126-58-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	395	Methomyl	18752-77-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	396	Methoxychlor	72-43-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	397	Methyl Acrylate	66-13-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	398	Methyl Bromide (Bromomethane)	74-83-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	399	Methyl Chloride (Chloromethane)	74-87-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	400	Methyl Ethyl Ketone	78-93-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	401	Methyl Ethyl Ketone Peroxide	1336-23-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	402	Methyl Iodide	74-84-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	403	Methyl Isobutyl Ketone	108-10-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	404	Methyl Isocyanate	624-83-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	405	Methyl Mercaptan	74-93-1	Yes	Yes	Yes	Yes	small	large	some	none		
---	406	Methyl Methacrylate	80-62-6	Yes	Yes	Yes	Yes	small	large	some	none		
---	407	Methyl Parathion	298-00-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	408	Methylene Chloride (Dichloromethane)	75-09-2	Yes	Yes	Yes	Yes	small	large	some	none		
---	409	Methylenebis (Phenylisocyanate)	101-68-6	Yes	Yes	Yes	Yes	small	large	some	none		
---	410	Mevinphos	7786-34-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	411	Miscarbitate	315-18-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	412	Mirex	2385-85-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	413	Monochloropentafluorobenzene (CF3-115)	76-15-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	414	Monomethylamine	75-04-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	415	Monomethylamine	74-89-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	416	Naled	300-76-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	417	1-Naphthylamine	134-32-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	418	Naphthalene	91-20-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	419	Naphthoic Acid	1334-24-5	Yes	Yes	Yes	Yes	small	large	some	none		
---	420	Nm & P Naphtha	8032-32-4	Yes	Yes	Yes	Yes	small	large	some	none		
---	421	Nickel (and all compounds)	7440-02-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	422	Nickel Ammonium Sulfate	15699-18-0	Yes	Yes	Yes	Yes	small	large	some	none		
---	423	Nickel Carbonyl	13463-39-3	Yes	Yes	Yes	Yes	small	large	some	none		
---	424	Nickel Chloride	7718-54-9	Yes	Yes	Yes	Yes	small	large	some	none		
---	425	Nickel Cyanide	687-19-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	426	Nickel Hydroxide	12054-48-7	Yes	Yes	Yes	Yes	small	large	some	none		
---	427	Nickel Nitrate	14216-75-2	Yes	Yes	Yes	Yes	small	large	some	none		

Application Number:

Page 6

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises											
Worksheet A											
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any mixtures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SNDUF" (Significant Non-domestic User) at the bottom of each page.											
426	Nicric Sulfate	7780-81-4	Yes	Yes	Yes	small	large	some	none		
429	Nitric Acid	7697-37-2	Yes			small	large	some	none		
430	Nitric Oxide	10102-43-9	Yes			small	large	some	none		
431	n-Nitropropane	108-03-2	Yes			small	large	some	none		
432	2-Nitrophenol	88-75-5	Yes			small	large	some	none		
433	2-Nitropropane	79-46-9	Yes			small	large	some	none		
434	4-Nitrophenyl	62-83-3	Yes			small	large	some	none		
435	4-Nitrophenol	100-02-7	Yes	Yes		small	large	some	none		
438	n-Nitrotoluene	99-08-1	Yes			small	large	some	none		
437	n-Nitrosodimethylamine	62-75-9	Yes	Yes		small	large	some	none		
438	n-Nitrosodiphenylamine	86-30-8	Yes	Yes		small	large	some	none		
439	Nitrobenzene	88-05-3	Yes	Yes		small	large	some	none		
440	Nitrobenzene	78-24-3	Yes			small	large	some	none		
441	Nitrogen Dioxide	13132-44-0	Yes			small	large	some	none		
442	Nitrogen Trifluoride	7783-54-2	Yes			small	large	some	none		
443	Nitroglycerin	55-03-0	Yes			small	large	some	none		
444	Nitromethane	75-53-5	Yes			small	large	some	none		
445	Nitrophenol (mixed isomers)	25154-55-6	Yes			small	large	some	none		
446	Nitrotoluene	1221-12-0	Yes			small	large	some	none		
447	o-Nitroaniline	108-01-6	Yes			small	large	some	none		
448	o-Nitrochlorobenzene	100-00-5	Yes			small	large	some	none		
449	p-Nitrotoluene	99-99-0	Yes			small	large	some	none		
450	Nonane	111-84-2	Yes			small	large	some	none		
451	Octachlorocyclopentadiene	2234-13-1	Yes			small	large	some	none		
452	Octachlorobiphenylene	29682-74-7	Yes	Yes	Yes	small	large	some	none		
453	Octane	111-85-9	Yes			small	large	some	none		
454	Di-n-Octyl Phthalate	117-84-0	Yes	Yes		small	large	some	none		
455	Octan-1-ol	2016-12-0	Yes			small	large	some	none		
456	Oxalic Acid	144-42-7	Yes			small	large	some	none		
457	Oxygen Difluoride	7783-41-7	Yes			small	large	some	none		
458	Ozone	10028-15-6	Yes			small	large	some	none		
459	Paralomaldehydes	32535-89-4	Yes			small	large	some	none		
460	Parathion	56-36-2	Yes			small	large	some	none		
461	2-Pentanone (Methyl Propyl Ketone)	107-87-9	Yes			small	large	some	none		
462	Pentaborane	19624-22-7	Yes			small	large	some	none		
463	Pentachloronaphthalene	1321-84-8	Yes			small	large	some	none		
464	Pentachlorophenol	87-86-5	Yes	Yes	Yes	small	large	some	none		
465	Pentane	109-66-0	Yes			small	large	some	none		
466	Perchloryl Fluoride	7616-94-6	Yes			small	large	some	none		
467	Petroleum Distillates (Naphtha)	5030-30-6	Yes			small	large	some	none		
468	Phenanthrene	83-01-6	Yes	Yes		small	large	some	none		
469	Phenol	105-95-2	Yes	Yes		small	large	some	none		
470	Phenylacetylene	92-84-2	Yes			small	large	some	none		
471	p-Phenylenediamine	106-50-3	Yes			small	large	some	none		
472	Phenyl Ether	101-81-8	Yes			small	large	some	none		
473	Phenyl Ether-Biphenyl Mixture		Yes			small	large	some	none		
474	Phenyl Glycidyl Ether (PGE)	132-40-1	Yes			small	large	some	none		
475	Phenylhydrazine	100-23-0	Yes			small	large	some	none		
476	Phenylphosphine	638-21-1	Yes			small	large	some	none		
477	Phorate	258-02-2	Yes			small	large	some	none		
478	Phosgene	75-44-5	Yes			small	large	some	none		
479	Phosphine	7803-51-2	Yes			small	large	some	none		
480	Phosphoric Acid	7664-38-2	Yes			small	large	some	none		
481	Phosphorus	7723-14-0	Yes			small	large	some	none		
482	Phosphorus Dicychloride	10025-87-3	Yes			small	large	some	none		
483	Phosphorus Pentachloride	10026-13-4	Yes			small	large	some	none		
484	Phosphorus Trichloride	7719-12-2	Yes			small	large	some	none		
485	m-Phthalic Anhydride	626-17-5	Yes			small	large	some	none		
486	Phosgene Acid	89-89-1	Yes			small	large	some	none		
487	Phosgene (2-Hydroxy-1,3-dioxolane)	83-76-1	Yes			small	large	some	none		
488	Piperazine Dihydrochloride	147-64-3	Yes			small	large	some	none		
489	Polybrominated Biphenyls (PBB)	61774-32-7	Yes	Yes	Yes	small	large	some	none		
490	Polychlorinated Biphenyls (PCB)	1338-38-3	Yes	Yes	Yes	small	large	some	none		
491	Polychlorinated Naphthalenes	CLASS-06-6	Yes	Yes	Yes	small	large	some	none		
492	Potassium Arsenite	10124-50-2	Yes	Yes	Yes	small	large	some	none		
493	Potassium Dichromate	7778-50-9	Yes	Yes	Yes	small	large	some	none		
494	Potassium Chromate	7783-00-6	Yes	Yes	Yes	small	large	some	none		
495	Potassium Cyanide	151-50-8	Yes	Yes		small	large	some	none		
496	Potassium Hydroxide	1310-58-3	Yes			small	large	some	none		
497	Potassium Permanganate	7722-64-7	Yes			small	large	some	none		
498	Propane	74-84-6	Yes			small	large	some	none		
499	Propargol	2312-35-8	Yes			small	large	some	none		
500	Propargyl Alcohol	107-19-7	Yes			small	large	some	none		
501	Beta Propiolactone	57-57-8	Yes			small	large	some	none		
502	Propionic Acid	79-09-4	Yes			small	large	some	none		
503	Propionic Anhydride	123-82-6	Yes			small	large	some	none		
504	Proposul	114-28-1	Yes			small	large	some	none		
505	Di-n-Propyltin Diamine	821-84-7	Yes	Yes		small	large	some	none		
506	n-Propyl Acetate	109-63-4	Yes			small	large	some	none		
507	n-Propyl Nitrate	627-13-4	Yes			small	large	some	none		
508	Propylene Glycol Dinitrate	6423-43-4	Yes			small	large	some	none		
509	Propylene Glycol Monomethyl Ether	107-95-2	Yes			small	large	some	none		
510	Propylene Oxide	75-56-9	Yes			small	large	some	none		
511	Pyrene	129-00-0	Yes	Yes		small	large	some	none		
512	Pyrethrin	8003-34-7	Yes	Yes		small	large	some	none		
513	Quinoline	81-22-5	Yes			small	large	some	none		

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises										
Worksheet A										
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any mixtures and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SNDU" (Significant Non-domestic User) at the bottom of each page.										
514 Resorcinol	108-46-3	Yes			Yes	small	large	some	none	
515 Resorcinol	299-84-3	Yes			Yes	small	large	some	none	
516 Rotenone	83-79-4	Yes			Yes	small	large	some	none	
517 Selenium (and all compounds)	7782-49-2	Yes	Yes	Yes	Yes	small	large	some	none	
518 Selenium Hexafluoride	7783-78-1	Yes	Yes	Yes	Yes	small	large	some	none	
519 Selenium Oxide	7448-08-4	Yes	Yes	Yes	Yes	small	large	some	none	
520 Selenium Dichloride	7781-23-3	Yes	Yes	Yes	Yes	small	large	some	none	
521 Selenium Sulfide	7488-56-4	Yes	Yes	Yes	Yes	small	large	some	none	
522 Silicon Tetrahydride	7803-62-5	Yes			Yes	small	large	some	none	
523 Silver (all compounds)	7440-22-4	Yes	Yes	Yes	Yes	small	large	some	none	
524 Silver Cyanide	506-64-6	Yes	Yes	Yes	Yes	small	large	some	none	
525 Silver Nitrate	7761-88-8	Yes	Yes	Yes	Yes	small	large	some	none	
526 Serves (2,4,5-Trinitropropionic Acid 2,4,5-TP)	93-72-1	Yes				small	large	some	none	
527 Serves Esters (2,4,5-TP Esters)	32534-65-5	Yes				small	large	some	none	
528 Sodium	7440-23-5	Yes				small	large	some	none	
529 Sodium Arsenate	7631-88-2	Yes	Yes	Yes	Yes	small	large	some	none	
530 Sodium Arsenite	7784-48-5	Yes	Yes	Yes	Yes	small	large	some	none	
531 Sodium Bicarbonate	16588-01-9	Yes	Yes	Yes	Yes	small	large	some	none	
532 Sodium Bisulfite	1333-83-1	Yes				small	large	some	none	
533 Sodium Bisulfate	7631-90-5	Yes				small	large	some	none	
534 Sodium Chromate	7775-11-3	Yes	Yes	Yes	Yes	small	large	some	none	
535 Sodium Cyanide (Na(CN))	143-33-9	Yes	Yes			small	large	some	none	
536 Sodium Decacybenzenesulfonate	25155-30-0	Yes				small	large	some	none	
537 Sodium Fluoride	7681-49-4	Yes				small	large	some	none	
538 Sodium Hydrosulfide	16721-60-5	Yes				small	large	some	none	
539 Sodium Hydroxide	1310-73-2	Yes				small	large	some	none	
540 Sodium Hypochlorite	7681-52-9	Yes				small	large	some	none	
541 Sodium Hypochlorite	10022-70-5	Yes				small	large	some	none	
542 Sodium Methylate	124-41-4	Yes				small	large	some	none	
543 Sodium Nitrate	7632-00-0	Yes				small	large	some	none	
544 Sodium Phosphate, Dibasic	7558-79-4	Yes				small	large	some	none	
545 Sodium Phosphate, Tribasic	7601-54-9	Yes				small	large	some	none	
546 Sodium Selenide	10102-18-6	Yes	Yes	Yes	Yes	small	large	some	none	
547 Solina	7803-57-3	Yes				small	large	some	none	
548 Standard Solvent	8052-41-3	Yes				small	large	some	none	
549 Strontium Chromate	7783-06-2	Yes	Yes	Yes	Yes	small	large	some	none	
550 Strychnine	57-24-9	Yes				small	large	some	none	
551 Styrene	100-42-5	Yes		Yes	Yes	small	large	some	none	
552 Sulfur Dioxide	7446-09-5	Yes			Yes	small	large	some	none	
553 Sulfur Hexafluoride	2551-62-4	Yes			Yes	small	large	some	none	
554 Sulfur Monochloride	10025-87-9	Yes			Yes	small	large	some	none	
555 Sulfur Pentachloride	5714-22-7	Yes			Yes	small	large	some	none	
556 Sulfur Phosphide	1314-80-3	Yes			Yes	small	large	some	none	
557 Sulfur Tetrafluoride	7783-69-0	Yes			Yes	small	large	some	none	
558 Sulfuric Acid	7664-93-9	Yes			Yes	small	large	some	none	
559 Sulfuryl Fluoride	2699-79-6	Yes			Yes	small	large	some	none	
560 2,4,5-T Amines	1319-72-6	Yes				small	large	some	none	
561 2,4,5-T Amines	2813-14-7	Yes				small	large	some	none	
562 2,4,5-T Amines	6389-86-6	Yes				small	large	some	none	
563 2,4,5-T Amines	6389-97-7	Yes				small	large	some	none	
564 2,4,5-T Esters	1928-47-6	Yes				small	large	some	none	
565 2,4,5-T Esters	2545-59-7	Yes				small	large	some	none	
566 2,4,5-T Esters	25168-19-4	Yes				small	large	some	none	
567 2,4,5-T Esters	61792-07-2	Yes				small	large	some	none	
568 2,3,7,8-TCDF (and all congeners)	51207-31-9	Yes		Yes	Yes	small	large	some	none	
569 TDC	72-54-8	Yes	Yes	Yes	Yes	small	large	some	none	
570 Tellurium (and all compounds)	13494-83-9	Yes			Yes	small	large	some	none	
571 Tellurium Hexafluoride	7783-83-4	Yes			Yes	small	large	some	none	
572 Terphenyls	26143-63-3	Yes			Yes	small	large	some	none	
573 1,1,1,2-Tetrachloro-2,2-Difluoroethane	76-11-9	Yes			Yes	small	large	some	none	
574 1,1,2,2-Tetrachloro-1,2-Difluoroethane	76-12-0	Yes			Yes	small	large	some	none	
575 1,1,2,2-Tetrachloroethane	79-34-5	Yes	Yes		Yes	small	large	some	none	
576 1,2,3,4-Tetrachlorobenzene	634-66-2	Yes		Yes	Yes	small	large	some	none	
577 1,2,3,5-Tetrachlorobenzene	634-80-2	Yes		Yes	Yes	small	large	some	none	
578 1,2,4,5-Tetrachlorobenzene	95-84-3	Yes		Yes	Yes	small	large	some	none	
579 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)	1746-01-6	Yes	Yes	Yes	Yes	small	large	some	none	
580 Tetrachloroethylene (Perchloroethylene)	127-18-4	Yes	Yes	Yes	Yes	small	large	some	none	
581 Tetrachloronaphthalene	1325-83-2	Yes			Yes	small	large	some	none	
582 Tetraethyl Lead	78-00-2	Yes	Yes		Yes	small	large	some	none	
583 Tetraethyl Pyrophosphate	107-49-3	Yes			Yes	small	large	some	none	
584 Tetraethyl thiopyrophosphate	3689-24-5	Yes			Yes	small	large	some	none	
585 Tetramethyl Succinonitrile	3333-52-6	Yes			Yes	small	large	some	none	
586 Tetramethyllead	75-74-1	Yes			Yes	small	large	some	none	
587 Tetraacetone	509-14-0	Yes			Yes	small	large	some	none	
588 Tetryl (2,4,6-Trinitro-Phenyl-Methyl Nitramine)	472-45-8	Yes			Yes	small	large	some	none	
589 Thalic Oxide	1314-32-5	Yes		Yes	Yes	small	large	some	none	
590 Thallium	7440-29-3	Yes			Yes	small	large	some	none	
591 Thallium Sulfate	10031-59-1	Yes	Yes	Yes	Yes	small	large	some	none	
592 Thallium(I) Acetate	563-69-6	Yes	Yes	Yes	Yes	small	large	some	none	
593 Thallium(I) Nitrate	10102-45-1	Yes			Yes	small	large	some	none	
594 Thallous Carbonate	6533-73-9	Yes		Yes	Yes	small	large	some	none	
595 Thallous Chloride	7781-12-0	Yes		Yes	Yes	small	large	some	none	
596 Thallous Malonate	3757-10-8	Yes		Yes	Yes	small	large	some	none	
597 Thallous Sulfate	7449-16-6	Yes	Yes	Yes	Yes	small	large	some	none	
598 Thionyl Chloride	7719-09-7	Yes			Yes	small	large	some	none	
599 Thionyl	105-66-9	Yes			Yes	small	large	some	none	

Application Number:

Page 7

**BMD and City of Flint, MI  
Sewer Use Permit  
For Coldwater Road Facility**

**Effective Date: 16\_10\_15  
Permit No.: 6-08-04-04-GML1**

City of Flint Sanitary Sewer Use Permit Application Potentially Harmful Substances on Premises													
Worksheet A													
Instructions: Check the appropriate spaces below to identify the following Potentially Harmful Substances present at the user's establishment including any mixtures, and to report the maximum amount (either "small" or "large") of each one present at any time and the amount (either "some" or "none") of each one known, assumed or expected to normally enter at any time any drain that ultimately empties into any sanitary sewer. A "small" amount is less than 55 gallons for any liquid substance or less than 100 pounds for any solid substance. Also enter the name of the user in the space after "SIGNOU" (Significant Non-domestic User) at the bottom of each page.													
600	Thiurea, 1-(4-naphthalenyl-	86-88-4					Yes	small	large	some	none		
601	Thiram	137-26-8					Yes	small	large	some	none		
602	Toluene	108-88-3	Yes	Yes	Yes		Yes	small	large	some	none		
603	Toluene 2,4-Dicocyanate	584-84-9					Yes	small	large	some	none		
604	m-Toluidine	108-44-1					Yes	small	large	some	none		
605	o-Toluidine	95-53-4					Yes	small	large	some	none		
606	Toraphene	8001-35-2	Yes	Yes	Yes		Yes	small	large	some	none		
607	Tribromomethane	75-25-2					Yes	small	large	some	none		
608	Tributyl Phosphate	126-73-8					Yes	small	large	some	none		
609	Tributyltin and salts and esters						Yes	small	large	some	none		
610	1,1,1-Trichloroethane	71-55-8			Yes		Yes	small	large	some	none		
611	1,1,2-Trichloroethane	79-00-5			Yes		Yes	small	large	some	none		
612	1,2,3-Trichlorobenzene	87-61-6				Yes	Yes	small	large	some	none		
613	1,2,3-Trichloropropane	86-18-4					Yes	small	large	some	none		
614	1,2,4-Trichlorobenzene	120-82-1			Yes	Yes	Yes	small	large	some	none		
615	2,4,5-T Amines, Esters and Salts		Yes					small	large	some	none		
616	2,4,5-Trichlorobenzoic Acid (2,4,5-T)	93-76-5	Yes				Yes	small	large	some	none		
617	2,4,5-Trichlorophenol	85-95-4	Yes				Yes	small	large	some	none		
618	2,4,6-Trichlorobenzene	6639-30-1				Yes	Yes	small	large	some	none		
619	2,4,6-Trichlorophenol	88-06-2	Yes	Yes				small	large	some	none		
620	Tetrachloron	52-68-6	Yes					small	large	some	none		
621	Tetrachloroacetic Acid	76-03-9					Yes	small	large	some	none		
622	Tetrachloroethylene	79-07-6	Yes	Yes	Yes		Yes	small	large	some	none		
623	Tetrachloroethanesulfenyl Chloride	594-42-3					Yes	small	large	some	none		
624	Tetrachloronaphthalene	1321-45-9					Yes	small	large	some	none		
625	Tetrachlorophenol	25167-82-2	Yes					small	large	some	none		
626	Tetrachloroamine Dodecylbenzene Sulfonate	27323-41-7	Yes					small	large	some	none		
627	Thiozylamine	171-44-8	Yes					small	large	some	none		
628	Thiuram	1582-09-8				Yes	Yes	small	large	some	none		
629	Thimeric Anhydride	552-30-7					Yes	small	large	some	none		
630	Trimethyl Benzene	25551-13-7					Yes	small	large	some	none		
631	Trimethyl Phosphate	121-45-9					Yes	small	large	some	none		
632	Trimethylamine	75-50-3	Yes				Yes	small	large	some	none		
633	2,4,6-Trinitrotoluene (TNT)	118-96-7					Yes	small	large	some	none		
634	Tribromopropyl Phosphate	78-30-8					Yes	small	large	some	none		
635	Triphenyl Amine	603-34-9					Yes	small	large	some	none		
636	Triphenyl Phosphate	115-86-6					Yes	small	large	some	none		
637	Turpentine	8006-64-2					Yes	small	large	some	none		
638	Uranyl Acetate	541-69-3	Yes					small	large	some	none		
639	Ureanyl Nitrate	10162-66-4	Yes					small	large	some	none		
640	n-Valeraldehyde	110-82-3					Yes	small	large	some	none		
641	Vanadium Pentoxide	1314-62-1	Yes					small	large	some	none		
642	Vanadyl Sulfate	27774-13-6	Yes					small	large	some	none		
643	Vinyl Acetate Monomer	108-05-4	Yes				Yes	small	large	some	none		
644	Vinyl Bromide	593-60-2					Yes	small	large	some	none		
645	Vinyl Chloride	75-01-4			Yes	Yes	Yes	small	large	some	none		
646	Vinyl Cyclohexene Oxirane	106-87-6					Yes	small	large	some	none		
647	Vinyl Toluene	25013-15-4					Yes	small	large	some	none		
648	Warfarin & Salts, Conc. >0.1%	81-81-2					Yes	small	large	some	none		
649	Xylene	1330-20-7	Yes		Yes		Yes	small	large	some	none		
650	Xylenol	1300-71-6	Yes					small	large	some	none		
651	Xylenol	1300-73-8					Yes	small	large	some	none		
652	Zinc (and all compounds)	7440-66-6		Yes	Yes	Yes		small	large	some	none		
653	Zinc Acetate	557-34-6	Yes	Yes	Yes			small	large	some	none		
654	Zinc Ammonium Chloride	52628-25-8	Yes	Yes	Yes			small	large	some	none		
655	Zinc Borate	1332-87-4	Yes	Yes	Yes			small	large	some	none		
656	Zinc Borate	7699-45-8	Yes	Yes	Yes			small	large	some	none		
657	Zinc Carbonate	3486-35-0	Yes	Yes	Yes			small	large	some	none		
658	Zinc Chloride	7646-85-7	Yes	Yes	Yes	Yes		small	large	some	none		
659	Zinc Cyanide	557-21-1	Yes	Yes	Yes			small	large	some	none		
660	Zinc Fluoride	7783-49-5	Yes	Yes	Yes			small	large	some	none		
661	Zinc Formate	557-41-5	Yes	Yes	Yes			small	large	some	none		
662	Zinc Hydroxide	7719-86-4	Yes	Yes	Yes			small	large	some	none		
663	Zinc Nitrate	7779-88-6	Yes	Yes	Yes			small	large	some	none		
664	Zinc Phosphate	127-87-2	Yes	Yes	Yes			small	large	some	none		
665	Zinc Phosphide	1314-84-7	Yes	Yes	Yes			small	large	some	none		
666	Zinc Sulfide	16831-71-0	Yes	Yes	Yes			small	large	some	none		
667	Zinc Sulfate	7733-02-0	Yes	Yes	Yes			small	large	some	none		
668	Zinc, Dichloro(4,4-Dimethyl 5((1-Methylamino)Carbonyl)Oxy)bis	58270-08-9		Yes	Yes			small	large	some	none		
669	Zirconium Nitrate	13746-89-6	Yes					small	large	some	none		
670	Zirconium Potassium Fluoride	16923-95-8	Yes					small	large	some	none		
671	Zirconium Sulfate	14644-61-2	Yes					small	large	some	none		
672	Zirconium Tetrachloride	10026-11-6	Yes					small	large	some	none		

