



December 19, 2013

Mr. Thomas Hutchings

Environmental Compliance Inspector
City of Flint Water Pollution Control Division
G-4652 Beecher Road
Flint, Michigan 48532

RE: Sanitary Sewer Use Permit Application (Application Number: RTCWR GWRS 14)
Coldwater Road Landfill, Flint, Michigan
6-08-04-04-GML1
FILE: 15388 / 50137 #5

Dear Mr. Hutchings:

In accordance with requirements of the November 5, 2013 letter from the City of Flint Water Pollution Control Supervisor, we are providing you, on behalf of Revitalizing Auto Communities Environmental Response Trust (RACER), with the attached Sanitary Sewer Use Permit Application (Application Number: RTCWR GWRS 14) for the Coldwater Road Landfill facility, located at 6220 Horton Avenue, Flint, Michigan.

As you are aware, we would like to explore the possibility of using the current discharge limits as Special Alternative Limits (SALs) for the facility for amenable cyanide (0.087 mg/L), total arsenic (0.048 mg/L), total chromium (0.319 mg/L), total copper (3.12 mg/L), and total nickel (0.795 mg/L) as specified in the current (2010) discharge permit for the Coldwater Road Landfill facility. Furthermore, the current discharge permit no longer requires the sampling and analysis for total toxic organics (TTO), including herbicides and pesticides, polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), including benzene, toluene, ethylbenzene and xylenes (BTEX) constituents, semi-volatile organic compounds (SVOCs), phenol and chemical oxygen demand (COD), which were either not detected in the past or at low enough concentrations that the City of Flint Water Pollution Control Division eliminated the requirement to sample and analyze for these constituents. We would like to request that we continue to monitor only for those compounds required by the current discharge permit.

Table 1 provides a summary of available discharge sample results for facility, and the yellow highlighted values indicate exceedances of the Daily Maximum Limits recently provided by the City of Flint. As the highlighting illustrates, without SALs the liquids generated at the facility would require transportation off site for treatment and disposal.

This issue was first raised by General Motors Corporation (GM, the predecessor to RACER) in February 2005 when they requested that SALs be issued for various parameters monitored in wastewater discharges from the facility because concentrations (especially of copper) appeared to be increasing as repairs at the landfill reduced the amount of infiltrating water (including groundwater) entered the leak detection system. The issue was again raised in September 2005 when GM submitted their sanitary sewer use permit application (# GM BMD 2005 A), and then again in July 2010, which lead to the current sewer use permit limits (see Table 1) specified in the current (2010) Sanitary Sewer Use Permit number 6-08-04-04-GML1. An average of 14,995 gallons of water per year has been generated by the facility over the last five year; therefore, at an average copper concentration of 0.902 mg/L, a total mass of approximately 51.2 grams of copper per year has been discharged from the facility. Similarly, the total mass of the other parameters listed above would even be less than copper. RACER

would like the City of Flint to consider implementing the proposed SALs for the parameters listed above to allow the discharge of accumulated liquids from the facility to the sanitary sewer.

If you have any questions, please feel free to contact me at (248) 477-5701, ext. 16.

Very truly yours,

O'BRIEN & GERE ENGINEERS, INC.

A handwritten signature in black ink, reading "Clifford Scott Yantz". The signature is written in a cursive, flowing style.

Clifford S. Yantz, P.G.
Scientist-3

Enclosure

cc: Kevin Forbes – Beecher Metropolitan District, Flint, MI
David Favero – RACER Trust
Kevin Schneider – O'Brien & Gere

TABLE 1 RACER Trust Coldwater Road Landfill Sewer Use Permit Application Summary of Results																						
Parameter/ Sample Date	Amenable Cyanide	BOD5	COD	Oil and Grease (HEM)	Phenol	Ammonia-Nitrogen (formerly Total Kjeldahl Nitrogen [TKN])	Total Phosphorus	Total Suspended Solids	Total Arsenic	Total Chromium	Total Copper	Total Mercury	Total Nickel	Total Zinc	Herbicides and Pesticides ⁽⁴⁾	PCBs ⁽⁴⁾	SVOCs ⁽⁴⁾	VOCs ⁽⁴⁾	BTEX	Total Discharge (per quarter)	Number of Discharge Events (per quarter)	
Current Sewer Use Permit Limit ⁽⁵⁾	0.087	427	n/l	100	n/l	37	7	305	0.048	0.319	3.12	0.000012 ⁽¹¹⁾	0.795	0.445	n/l	n/l	n/l	n/l	n/l	5,000 gallons per day max. ⁽⁵⁾		
Daily Maximum Limits Provided by City of Flint	0.005	427	n/l	100	n/l	37	7	305	0.012	0.048	0.179	0.000012 ⁽¹¹⁾	0.043	0.445	n/l	0.0000002	n/l	n/l	B = 0.001 T = 0.187 E = 0.001 X = 0.002			
RACER 2013 Proposed SALs	0.087								0.048	0.319	3.12		0.795			n/l			n/l			
16-Feb-1999	0.0025	55	--	6.0	0.019	49 ^(6,7)	0.059	28	0.005	0.025	0.74	<0.0002	0.45	0.01	ND ⁽⁸⁾	ND	ND	ND	<0.020	4,956	6	
26-Mar-1999	0.0025	73	460	5.0	0.026	48 ^(6,7)	--	72	0.03	0.025	1.8	<0.0002	0.70	0.01	ND	ND	ND	ND	<0.020	6,627	8	
20-Apr-1999	0.0025	30	--	5.0	0.0025	26	0.048	48	0.02	0.025	1.2	<0.0002	0.33	0.02	ND	ND	ND	ND	<0.020	no discharge		
7-Sep-1999	0.0025	24	190	5.6	0.0025	25	0.03	87	0.005	0.025	0.56	<0.0002	0.26	0.021	ND	ND	ND	ND	<0.020	4,357	5	
16-Feb-2000	0.01	33	260	2.5	0.022	28	0.10	24	0.022	0.02	0.95	<0.0002	0.47	0.02	ND	ND	ND	ND	<0.020	6,000	6	
10-May-2000	0.03	17	130	6.0	0.0025	11	0.10	21	0.009	0.01	0.89	<0.0002	0.24	0.03	ND	ND	ND	ND	<0.020	13,745	14	
10-Aug-2000	0.005	13	120	48	0.02	14	--	20	0.008	0.02	0.19	<0.0002	0.13	0.02	ND	ND	ND	ND	<0.020	7,253	8	
20-Nov-2000	0.005	2.5	90	2.5	0.005	8.4	0.005	10	0.0025	0.005	0.24	<0.0002	0.10	0.02	ND	ND	ND	ND	<0.020	9,825	10	
21-Feb-2001	0.005	2.5	20	2.5	0.0025	1.2	0.005	18	0.0025	0.02	0.49	<0.0002	0.12	0.01	ND	ND	ND	ND	<0.020	15,794	16	
24-May-2001	0.02	8.0	80	2.5	0.005	6.1	0.005	73	0.005	0.02	0.65	<0.0002	0.13	0.03	ND	ND	0.045 ⁽⁹⁾	ND	<0.020	19,744	6	
5-Sep-2001	0.005	26	180	5.0	0.019	19	0.005	60	0.015	0.02	0.51	<0.0002	0.28	0.03	ND	ND	ND	ND	<0.020	5,234	2	
26-Nov-2001	0.03	10	120	5	0.17	7.4	0.04	12	0.009	0.03	0.63	<0.0002	0.2	0.01	ND	ND	0.027 ⁽⁹⁾	ND	<0.020	14,007	4	
13-Feb-2002	0.005	2.5	50	2.5	0.0025	3.5	0.005	35	0.0025	0.03	0.54	<0.0002	0.078	0.07	ND	ND	ND	ND	<0.020	26,572	6	
30-Apr-2002	0.005	2.5	30	2.5	0.0025	2.6	0.005	5.0	0.0025	0.01	0.34	<0.0002	0.0315	0.01	ND	ND	ND	ND	<0.020	16,170	4	
5-Sep-2002	0.005	13	120	2.5	0.03	14	0.10	<5.0	0.018	0.01	0.38	<0.0002	0.20	0.005	ND	ND	ND	ND	<0.020	5,121	2	
5-Dec-2002	0.005	67	110	2.6	0.0025	11	0.23	78	0.01	0.01	0.53	<0.0002	0.22	0.005	ND	ND	ND	ND	<0.020	4,140	1	
25-Feb-2003	0.005	15	230	2.55	0.0098	18	0.005	38	0.023	0.029	1.5	<0.0002	0.52	0.022	ND	ND	ND	ND	<0.020	1,890	1	
21-May-2003	0.005	7.5	82	2.55	0.0025	7.6	0.005	50	0.0087	0.019	0.93	<0.0002	0.20	0.028	ND	ND	ND	ND	<0.020	14,581	3	
3-Sep-2003	0.005	6.5	90	2.55	0.0025	9.3	0.005	34	0.0092	0.014	0.68	<0.0002	0.13	0.027	ND	ND	ND	ND	<0.020	12,922	4	
2-Dec-2003	0.032	20	83	2.55	0.0025	10	0.005	69	0.013	0.023	0.99	<0.0002	0.18	0.027	ND	ND	ND	ND	<0.020	10,818	3	
19-Feb-2004	0.005	2.5	2.5	2.5	0.0025	1	0.005	2.5	0.0025	0.013	0.36	<0.0002	0.074	0.015	ND	ND	ND	ND	<0.020	23,757	6	
21-May-2004	0.005	7.5	82	2.55	0.0025	7.6	0.005	50	0.0087	0.019	0.93	<0.0002	0.20	0.028	ND	ND	ND	ND	<0.020	14,581	3	
1-Jun-2004	0.005	5.6	37	2.5	0.0025	10	0.005	18	0.0025	0.028	0.39	<0.00020	0.059	0.02	ND	ND	ND	ND	<0.020	20,342	5	
22-Sep-2004	0.009	2.5	67	6	0.0025	5.5	0.005	8	0.0068	0.012	0.65	<0.0010	0.15	0.005	ND	ND	ND	ND	<0.004	16,806	4	
2-Dec-2004	0.0055	11	140	2.5	0.0072	7.9	0.005	2.5	0.0095	0.011	0.93	<0.0010	0.24	0.005	ND	ND	ND	ND	<0.004	7,910	3	
28-Mar-2005	0.025	6.9	130	3	0.0082	8.6	0.005	5	0.012	0.046	1.2	<0.0002	0.2	0.012	ND	ND	ND	ND	<0.004	2,666	2	
16-Jun-2005	0.0025	120	102	0.5	0.005	12.4	0.03	19	0.007	0.018	0.312	<0.0002	0.099	0.022	ND	ND	ND	ND	<0.004	30,776	8	
19-Sep-2005	0.0025	67	202	1	0.005	24.1	0.13	6.0	0.029	0.028	0.483	<0.0002	0.332	0.005	ND	ND	ND	ND ⁽¹⁰⁾	<0.005	5,897	2	
8-Mar-2006	0.0025	3	84	0.5	0.005	4.4	0.04	7.0	0.007	0.049	0.508	<0.0002	0.116	0.005	ND	ND	ND	ND	<0.006	14,755	4	
3-Apr-2006	0.0025	59	114	1	0.005	13.3	0.03	5.0	0.007	0.087	0.278	<0.0002	0.068	0.0025	ND	ND	ND	ND	<0.005	9,728	9	
1-May-2006	0.0025	15	46	0.5	0.005	3.9	0.02	6.0	0.004	0.035	0.19	<0.0002	0.058	0.008	ND	ND	ND	ND	<0.005	13,517	9	
13-Jun-2006	0.0025	11	54	0.5	0.005	3.1	0.02	44.0	0.01	0.025	0.25	<0.0002	0.070	0.025	ND	ND	ND	ND	<0.005	10,946	9	
11-Sep-2006	0.0025	12	73	14	0.005	4.3	0.02	1.0	0.004	0.019	0.373	<0.0002	0.101	0.012	ND	ND	ND	ND	<0.005	9,648	2	
27-Nov-2006	0.0025	45	108	3	0.005	14.5	0.03	0.5	0.017	0.029	0.515	<0.0002	0.137	0.0025	ND	ND	ND	ND	<0.005	8,827	2	
5-Mar-2007	0.0025	10	110	0.5	0.005	4.1	0.02	1	0.009	0.021	0.626	<0.0002	0.178	0.012	ND	ND	ND	ND	<0.005	5,219	2	
4-Jun-2007	0.0025	6	95	0.5	0.005	3.3	0.03	3	0.010	0.023	0.584	<0.0002	0.160	0.012	ND	ND	ND	ND ⁽¹⁰⁾	0.0001	5,196	2	
10-Sep-2007	0.017	19	156	0.5	0.005	8.1	0.06	1	0.023	0.017	0.786	<0.0002	0.230	0.012	ND	ND	ND	ND ⁽¹⁰⁾	<0.005	3,016	1	
12-Nov-2007	0.0025	27	168	2	0.005	6.9	0.05	4	0.018	0.011	0.873	<0.0002	0.241	0.030	ND	ND	ND	ND	<0.005	5,034	2	
19-Feb-2008	0.0025	5	138	2	0.005	4.2	0.04	3	0.009	0.082	0.792	<0.										

TABLE 2
RACER Trust
Coldwater Road Landfill
Sewer Use Permit Application
Summary of VOC or SVOC Detections

Parameter/ Sample Date	Chloromethane	bis(2-Ethylhexyl) phthalate	Phenol	Toluene
19-Sep-2005	0.002	ND	ND	ND
4-Jun-2007	0.0003	ND	ND	0.0001
10-Sep-2007	0.002	ND	ND	ND
19-Feb-2008	ND	0.01	ND	ND
17-Nov-2008	0.001	ND	ND	ND
17-Nov-2009	ND	ND	0.01	ND
15-Dec-2009	0.001	ND	ND	ND

Notes:

1. Units are mg/L (ppm)
2. 'ND' denotes no detections of the organic parameters listed in the Sewer Use Permit.

**City of Flint
Industrial Pretreatment Program**

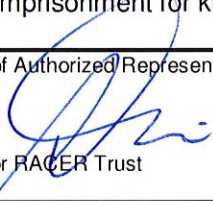
Sanitary Sewer Use Permit Application

1. Provide the following general information about the identity and location of the applicant:

Name of Proprietor or Corporation Revitalizing Auto Communities Environmental Response (RACER) Trust		
Street Address of Proprietor or Corporation 500 Woodward Avenue Suite 1510		
City Detroit	State Michigan	Zip Code 48226
Name of Establishment Coldwater Road Landfill		
Street Address of Establishment 6220 Horton Avenue		
City Flint	State Michigan	Zip Code 48505
Phone Number of Establishment (810) 564-1139 (facility is rarely manned). Please call (248) 477-5701, Ext. 16		

2. Sign and certify the veracity of the application:

"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 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 fines and imprisonment for knowing violations."

Signature of Authorized Representative 	Date Signed 12/19/13
As agent for RACER Trust	
Name of Authorized Representative Scott L. Cormier	Title of Authorized Representative Vice President

3. Indicate the type of business entity of the applicant:

☐ corporation ☐ partnership ☐ sole proprietorship ☒ other

If other, describe the type of business entity:

RACER Trust is an environmental response and remediation trust.

4. Identify the person(s) responsible for discharges from the applicant's facility to the sanitary sewer system (give name and title):

David M. Favero – Project Manager – RACER Trust
Clifford S. Yantz – OMM Manager – O'Brien & Gere Engineers, Inc.

5. List the Standard Industrial Classification Code(s) which best describe all manufacturing or service industries engaged in at the applicant's facility:

None

6. Are any Primary Industries below, described in 40 CFR 413-471, engaged in at the applicant's facility? ☐ yes ☒ no Note: RACER Trust does not believe that the following are primary industries.

However, the Coldwater Road Landfill Facility is a closed RCRA landfill
If yes, indicate which ones: that received stabilized electroplating wastes, so it is most similar to 40 CFR 413 & 40 CFR 445.

- | | |
|--|---|
| ☐ Electroplating (40 CFR 413) | ☐ Pharmaceutical Manufacturing (40 CFR 439) |
| ☐ Organic Chemicals Plastics, and Synthetic Fibers (40 CFR 414) | ☐ Transportation Equipment Cleaning (40 CFR 442) |
| ☐ Inorganic Chemicals (40 CFR 415) | ☐ Waste Combustors (40 CFR 444) |
| ☐ Fertilizer Manufacturing (40 CFR 418) | ☐ Landfills (40 CFR 445) |
| ☐ Petroleum Refining (40 CFR 419) | ☐ Pesticide Chemicals Manufacturing (40 CFR 455) |
| ☐ Iron and Steel Manufacturing (40 CFR 420) | ☐ Battery Manufacturing Point Source Category (40 CFR 461) |
| ☐ Nonferrous Metals (40 CFR 421) | ☐ Metal Molding and Casting (40 CFR 464) |
| ☐ Steam Electric Power Generating (40 CFR 423) | ☐ Coil Coating (40 CFR 465) |
| ☐ Leather Tanning and Finishing (40 CFR 425) | ☐ Porcelain Enameling (940 CFR 466) |
| ☐ Glass Manufacturing (40 CFR 426) | ☐ Aluminum Forming (40 CFR 467) |
| ☐ Rubber Processing (40 CFR 428) | ☐ Copper Forming (40 CFR 468) |
| ☐ Timber Products (40 CFR 429) | ☐ Electrical and Electronic components (40 CFR 469) |
| ☐ Pulp, Paper and Paper Board (40 CFR 430) | ☐ Nonferrous Metals Forming and Metal Powders 40 CFR 471) |
| ☐ Metal Finishing (40 CFR 433) | |
| ☐ Centralized Waste Treatment (40 CFR 437) | |

7. State the type and amount of product(s) made and the rate(s) of production at the applicant's facility:

None

8. State the type(s) of production process(es) used at the applicant's facility:

None

9. Indicate the types of industrial chemicals and chemical products normally present (used, produced, processed or housed) at any time at the applicant's facility and the amount of each type (as either some or none) known, assumed, or expected to normally enter at any time any drain at the applicant's facility that ultimately empties into any sanitary sewer:

Chemicals Present	Amount to Drains	
☒ acids	☐ some	☒ none
☒ bases	☐ some	☒ none
☐ salts	☐ some	☐ none
☒ soaps	☒ some	☐ none
☐ detergents	☐ some	☐ none
☐ solvents	☐ some	☐ none
☐ paints	☐ some	☐ none
☐ inks	☐ some	☐ none
☐ adhesives	☐ some	☐ none
☐ coolants	☐ some	☐ none
☐ lubricants	☐ some	☐ none
☐ hydraulic fluids	☐ some	☐ none
☐ biocides	☐ some	☐ none
☒ other(s)	☒ some	☐ none
☐ none		

If other, describe the type of chemical(s) and/or chemical product(s):

Accumulated liquids from the landfill sumps and vaults. Also, acids and bases stored at the site within sample collection jars are used for groundwater sampling or equipment calibration, and are not discharged to the drains/sewer. Soap for washing hands and/or equipment may be discharged to the drains/sewer, but in very small quantities. All other materials stored on site are used solely for building or grounds maintenance.

Exclude those used at the applicant's facility solely for office work, sanitation, and building and grounds maintenance.

10. Indicate the following types of Potentially Harmful Substances normally present (used, produced, processed or housed) at any time at the applicant's facility and the amount of each type (as either some or none) known, assumed, or expected to normally enter at any time any drain at the applicant's facility that ultimately empties into any sanitary sewer.

Type of Potentially Harmful Substances Present	Amount to Drains
☐ Corrosive substances which have a pH of less than or equal to 2.0 Standard Units or greater than or equal to 12.0 Standard Units.	☐ some ☐ none
☐ Ignitable substances which have a closed-cup flash point of less than 140° F (60 °C).	☐ some ☐ none
☐ Reactive substances which are normally unstable and readily undergo violent change without detonating; react violently with water; form potentially explosive mixtures with water; when mixed with water, generate toxic gases, vapors, or fumes in a quantity sufficient to endanger humans; or are capable of detonation or explosive reaction.	☐ some ☐ none
☐ Biocides which eradicate organisms (i.e., disinfectant, insecticide, rodenticide, herbicide, etc.).	☐ some ☐ none
☒ Carcinogens which cause an increased incidence of benign or malignant neoplasms in animals or humans or that substantially decreases the time in which neoplasms develop in animals or humans.	☒ some ☐ none
☐ None of the above.	

Exclude those used at the applicant's facility solely for office work, sanitation, and building and grounds maintenance.

11. Are any Potentially Harmful Substances **listed in Worksheet A** of this application, **including any in mixtures**, normally present (used, produced, processed, or housed) at any time at the applicant's facility? ☒ yes ☐ no

If yes, use worksheet A to identify them and 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.

Exclude those used at the applicant's facility solely for office work, sanitation, and building and grounds maintenance.

12. List any other substances, not disclosed elsewhere in this application, that are discharged, normally or occasionally, to any drain at the applicant's facility that ultimately empties into any sanitary sewer:

None

13. **In Worksheet B**, state the average and maximum concentrations of any regulated pollutants, determined by bona fide sampling and analyses using approved procedures (in 40 CFR 136), in the industrial process wastewater discharged from the applicant's facility to the sanitary sewer system.

Only provide data for wastewater generated by industrial processes. Do not provide data for wastewater originating solely from non-industrial sources, such as sanitation, heating, cooling or building and grounds maintenance.

14. Do discharges from the applicant's facility to the sanitary sewer system consistently comply (at least 67% of the time) with the pollutant discharge limits listed in Worksheet B and/or stipulated in a currently applicable sanitary sewer use permit for the applicant's facility? ☒ yes ☐ no

If no, are additional operation and/or maintenance activities and/or pretreatment required for establishing and maintaining consistent compliance with the pollutant discharge limits? ☐ yes ☐ no

15. Indicate how water is supplied to the applicant's facility: ☒ municipal system ☐ well ☐ other

If other, describe the source(s) of supply:

16. State the daily average and instantaneous peak flow volumes of each of the following types of wastewater discharged from the applicant's facility to drains that ultimately empty into sanitary sewers:

Type of Wastewater	Daily Average Flow (gal/day)	Instantaneous Peak Flow (gal/day)
Process wastewater directly contacting, or resulting from the production or use of, any raw material, intermediate product, finished product, byproduct, or waste product.	None	-----
Sanitary wastewater from toilets, washrooms, drinking fountains, kitchens, and other sanitary facilities which may produce human and/or food wastes.	None	-----
Non-contact cooling water used to reduce temperature which <i>does not</i> come into contact with a raw material, intermediate product, waste product other than heat, or finished product.	None	-----
Blowdown or condensate from heating or cooling systems.	None	-----
Other wastewater from miscellaneous sources.	41.0 **	5,000 *

All flows must be measured unless other verifiable techniques for obtaining the data are allowed by the City.

* Periodic discharge of accumulated liquids about every 2 to 3 months over 1 to 5 days

** Based on last 5 years of discharge data.

17. Describe the timing and duration of all discharges from the applicant's facility to the sanitary sewer system:

Periodic discharge of accumulated liquids (water) about every 2 to 3 months over a 1 to 5 day period.

18. Is any water, wastewater, or waste originating from any off-site location discharged from the applicant's facility into any drains that ultimately empty into sanitary sewers? ☐ yes ☒ no

If yes, list the materials discharged and describe their origin:

19. Is any ground water discharged from the applicant's facility into any drains that ultimately empty into sanitary sewers? ☒ yes ☐ no

If yes, describe the source(s) of the ground water:

Landfill leak detection vault water may contain some groundwater.

20. Is any precipitation runoff discharged from the applicant's facility into any drains that ultimately empty into sanitary sewers? ☐ yes ☒ no

If yes, describe the source(s) of the precipitation runoff:

21. Is any waste or wastewater, other than precipitation runoff, discharged from the applicant's facility into any drains that ultimately empty into any public storm sewer? ☐ yes ☒ no

If yes, describe the source(s) of this waste or wastewater:

22. Has an Emergency and Hazardous Chemical Inventory been prepared for the applicant's facility, pursuant to 40 CFR 370? ☐ yes ☒ no

If yes, submit a copy of the most recent one with this application.

If available, submit the most recent Tier II Emergency and Hazardous Chemical Inventory or, if not available, submit the most recent Tier I Emergency and Hazardous Chemical Inventory.

23. Is the applicant's facility a Hazardous Waste generator, registered with the State of Michigan? ☒ yes ☐ no

If yes, state the applicant's Michigan Hazardous Waste generator identification number:

MID 005 356 860

24. Is the applicant's facility a Hazardous Waste Treatment, Storage, and Disposal Facility licensed by the State of Michigan? ☐ yes ☒ no

If yes, state the applicant's Michigan Hazardous Waste Treatment, Storage, and Disposal Facility License number:

25. Are any chemicals, chemical products, wastes, or other materials housed inside secondary containment at the applicant's facility? ☒ yes ☐ no

Accumulated liquids from the landfill sumps and vaults are stored in the accumulation tank (w/containment) prior to discharge.

26. Has a Pollution Incident Prevention Plan been produced for the applicant's facility? ☐ yes ☒ no

If yes, include a copy of the plan with this application.

27. Has a Spill Prevention Control and Counter Measures Plan been produced for the applicant's facility? ☐ yes ☒ no

If yes, include a copy of the plan with this application.

28. Is any equipment containing polychlorinated biphenyls (PCB's), such as capacitors or transformers, housed at the applicant's facility? ☐ yes ☒ no

29. Is any equipment containing mercury, such as switches, mercury vapor lamps, manometers, or thermometers, housed at the applicant's facility? ☐ yes ☒ no

30. Does the applicant hold any other environmental permits (other than a sanitary sewer use permit) applicable to its facility for any permitted process, equipment, or activity involving and/or generating any liquid waste or wastewater? ☐ yes ☒ no

If yes, briefly describe them, list the permit numbers for each one, and submit a copy of each one with this application:

31. Are any discharges into sanitary sewers from the applicant's facility treated to remove or alter pollutants? ☐ yes ☒ no

If yes, with this application, complete and submit Worksheet C and also submit a concise narrative description and simple schematic diagram of each treatment system used. In addition, identify all persons (name and title) who are immediately responsible for managing daily treatment operations:

32. Are wastestreams at the applicant's facility regulated by any Federal Categorical Pretreatment Standard, under 40 CFR 405-471, combined with other unregulated dilution wastestreams prior to wastewater treatment? ☐ yes ☒ no

If yes, with this application, submit a report that includes:

- a. A complete wastewater balance, providing average daily flow volumes for regulated and unregulated process wastestreams, such as boiler blowdown, non-contact cooling water, and sanitary wastewater.
- b. An explanation as to how the wastewater balance information was obtained and why it is reliable.
- c. Fixed alternative discharge limits calculated from the applicable Categorical Standards with the Combined Wastestream Formula, based on the wastewater balance data, in accordance with 40 CFR Part 403.6(e).

The report must be signed and certified as accurate by a Professional Engineer registered by the State of Michigan.

33. With this application, submit a map or set of maps that accurately portrays the current layout of the applicant's facility, including all wastewater collection and drainage systems, all systems for conveying sanitary wastewater, industrial wastewater, cooling water, blowdown, condensate, and precipitation runoff.

The map(s) must display all buildings; manufacturing areas; chemical storage and transfer areas, including any secondary containment structures; wastewater drainage and treatment systems, including all pipes, trenches, ditches, floor drains, storm drain inlets, manholes, vaults, collection sumps, pumping stations, and treatment systems; and all other significant structures, appurtenances, and landmarks.
--

34. Identify persons to contact during both daytime business hours and non-business hours:

Primary contact for correspondence and assistance during daytime business hours:

Name and Title David Favero – Project Manager (Deputy Cleanup Manager [MI]) – RACER Trust		
Address 500 Woodward Avenue, Suite 1510 Detroit, MI 48226		
Phone Number 313-486-2908	Fax Number 734-879-9537	E-mail Address dfavero@racertrust.org

Secondary contact for correspondence and assistance during daytime business hours:

Name and Title Clifford S. Yantz – OMM Manager (Scientist-3) – O'Brien & Gere		
Address 37000 Grand River Avenue, Suite 260 Farmington Hills, MI 48335		
Phone Number 248-477-5701	Fax Number 248-477-5962	E-mail Address clifford.yantz@obg.com

Contact for assistance during non-business hours:

Name and Title Clifford S. Yantz – OMM Manager (Scientist-3) – O'Brien & Gere		
Address 37000 Grand River Avenue, Suite 260 Farmington Hills, MI 48335		
Phone Number 248-477-5701	Fax Number 248-477-5962	E-mail Address clifford.yantz@obg.com

35. If applicable, identify the "Duly Authorized Representative" for the applicant's facility:

Name and Title Scott L. Cormier, P.E. – Vice President – O'Brien & Gere		
Address 37000 Grand River Avenue, Suite 260 Farmington Hills, MI 48335		
Phone Number 248-477-5701	Fax Number 248-477-5962	E-mail Address scott.cormier@obg.com

The applicant may designate a "Duly Authorized Representative" to sign and certify documents, provided that the designee is an individual responsible for either overall operation or environmental matters of the applicant's facility and that the designee is identified in this application.

36. Describe any security procedures to be followed by City inspectors for obtaining access to the applicant's facility, including all sampling and discharge points, during both business and non-business

hours:

The Facility does not normally have personnel on site. Arrangements should be made with either primary or secondary contact listed under item number 34.

37. Describe any safety procedures to be followed by City inspectors while at the applicant's facility:

PPE includes safety shoes, safety glasses, hard hat and gloves. There are several areas considered non-permit required confined spaces and entry is restricted.

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
___	1 Abate	3383-96-8				Yes	small	large	some	none	
___	2 Acenaphthene	83-32-9		Yes			small	large	some	none	
___	3 Acenaphthylene	208-96-8		Yes			small	large	some	none	
___	4 Acetaldehyde	75-07-0	Yes			Yes	small	large	some	none	
___	5 Acetic Acid	64-19-7	Yes			Yes	small	large	some	none	
___	6 Acetic Anhydride	108-24-7	Yes				small	large	some	none	
___	7 Acetone Cyanohydrin	75-86-5	Yes				small	large	some	none	
___	8 2-Acetylaminofluorene	53-96-3				Yes	small	large	some	none	
___	9 Acetyl Bromide	506-96-7	Yes				small	large	some	none	
___	10 Acetyl Chloride	75-36-5	Yes				small	large	some	none	
___	11 Acetylene Tetrabromide	79-27-6				Yes	small	large	some	none	
___	12 Acrolein	107-02-8	Yes	Yes		Yes	small	large	some	none	
___	13 Acryamide	79-06-1				Yes	small	large	some	none	
___	14 Acrylonitrile	107-13-1	Yes	Yes		Yes	small	large	some	none	
___	15 Adipic Acid	124-04-9	Yes				small	large	some	none	
___	16 Aldrin	309-00-2	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)	106-92-3				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	92-67-1				Yes	small	large	some	none	
___	24 Amitrole	61-82-5				Yes	small	large	some	none	
___	25 Ammonia	7664-41-7	Yes			Yes	small	large	some	none	
___	26 Ammonium Acetate	631-61-8	Yes				small	large	some	none	
___	27 Ammonium Benzoate	1863-63-4	Yes				small	large	some	none	
___	28 Ammonium Bicarbonate	1066-33-7	Yes				small	large	some	none	
___	29 Ammonium Bichromate	7789-09-5	Yes				small	large	some	none	
___	30 Ammonium Bifluoride	1341-49-7	Yes				small	large	some	none	
___	31 Ammonium Bisulfite	10192-30-0	Yes				small	large	some	none	
___	32 Ammonium Carbamate	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, Dibasic	3012-65-5	Yes				small	large	some	none	
___	37 Ammonium Fluoborate	13826-83-0	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 Silicofluoride	16919-19-0	Yes				small	large	some	none	
___	42 Ammonium Sulfamate	7773-06-0	Yes			Yes	small	large	some	none	
___	43 Ammonium Sulfide	12135-76-1	Yes				small	large	some	none	
___	44 Ammonium Sulfite	10196-04-0	Yes				small	large	some	none	
___	45 Ammonium Tartrate	3164-29-2	Yes				small	large	some	none	
___	46 Ammonium Thiocyanate	1762-95-4	Yes				small	large	some	none	
___	47 Amyl Acetate	628-63-7	Yes			Yes	small	large	some	none	
___	48 sec-Amyl Acetate	626-38-0				Yes	small	large	some	none	
___	49 Aniline	62-53-3	Yes			Yes	small	large	some	none	
___	50 Anisidine (o and p Isomers)	29191-52-4				Yes	small	large	some	none	
___	51 Anthracene	120-9-7		Yes			small	large	some	none	
___	52 Antimony (and all compounds)	7440-36-0		Yes			small	large	some	none	
___	53 Antimony Pentachloride	7647-18-9	Yes	Yes			small	large	some	none	
___	54 Antimony Pentafluoride	7783-70-2		Yes			small	large	some	none	
___	55 Antimony Potassium Tartrate	28300-74-5	Yes	Yes			small	large	some	none	
___	56 Antimony Tribromide	7789-61-9	Yes	Yes			small	large	some	none	
___	57 Antimony Trichloride	10025-91-9	Yes	Yes			small	large	some	none	
___	58 Antimony Trifluoride	7783-56-4	Yes	Yes			small	large	some	none	
___	59 Antimony Trioxide	1309-64-4	Yes	Yes			small	large	some	none	
X	60 Arsenic (and all compounds)	7440-38-2	Yes	Yes	Yes	Yes	X small	large	X some	none	
___	61 Arsenic Acid	7778-39-4		Yes	Yes	Yes	small	large	some	none	
___	62 Arsenic Disulfide	1303-32-8	Yes	Yes	Yes	Yes	small	large	some	none	
___	63 Arsenic Pentoxide	1303-28-2	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	7784-34-1	Yes	Yes	Yes	Yes	small	large	some	none	
___	67 Arsine	7784-42-1		Yes	Yes	Yes	small	large	some	none	
___	68 Asbestos (friable)	1332-21-4		Yes		Yes	small	large	some	none	
___	69 Atrazine	1912-24-9				Yes	small	large	some	none	
___	70 Azinphos-Ethyl	2642-71-9				Yes	small	large	some	none	
___	71 Azinphos-Methyl	86-50-0	Yes				small	large	some	none	
___	72 Barium Cyanide	542-62-1	Yes				small	large	some	none	
___	73 Benomyl	17804-35-2				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	small	large	some	none	
___	77 3,4-Benzofluoranthene	205-99-2		Yes			small	large	some	none	
___	78 Benzo(GH)Perylene (1,12-Benzoperylene)	191-24-2		Yes			small	large	some	none	
___	79 Benzo(K)Fluoranthene (11,12-Benzofluoranthene)	207-08-9		Yes			small	large	some	none	
___	80 Benzoic Acid	65-85-0	Yes				small	large	some	none	
___	81 Benzonitrile	100-47-0	Yes				small	large	some	none	
___	82 Benzoyl Chloride	98-88-4	Yes				small	large	some	none	
___	83 Benzoyl Peroxide	94-36-0				Yes	small	large	some	none	
___	84 Benzo[A]Pyrene	50-32-8		Yes	Yes	Yes	small	large	some	none	
___	85 p-Benzoquinone	106-51-4				Yes	small	large	some	none	
___	86 Benzyl Chloride	100-44-7	Yes			Yes	small	large	some	none	

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
___	87 Beryllium (and all compounds)	7440-41-7		Yes	Yes	Yes	small	large	some	none	
___	88 Beryllium Chloride	7787-47-5	Yes	Yes	Yes	Yes	small	large	some	none	
___	89 Beryllium Fluoride	7787-49-7	Yes	Yes	Yes	Yes	small	large	some	none	
___	90 Beryllium Nitrate	13597-99-4	Yes	Yes	Yes	Yes	small	large	some	none	
___	91 Beta-Bhc	319-85-7		Yes			small	large	some	none	
___	92 Biphenyl	92-52-4				Yes	small	large	some	none	
___	93 Bis(2-Chloro-1-Methylethyl)Ether	108-60-1		Yes			small	large	some	none	
___	94 Bis(2-Chloroethoxy)Methane	111-91-1		Yes			small	large	some	none	
___	95 Bis(2-Chloroethyl)Ether	111-44-4		Yes		Yes	small	large	some	none	
___	96 Bis(2-Ethylhexyl)Phthalate	117-81-7		Yes		Yes	small	large	some	none	
___	97 Boron Trifluoride	7637-07-2				Yes	small	large	some	none	
___	98 Bromacil	314-40-9				Yes	small	large	some	none	
___	99 Bromine	7726-95-6				Yes	small	large	some	none	
___	100 Bromine Pentafluoride	7789-30-2				Yes	small	large	some	none	
___	101 4-Bromophenyl 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	small	large	some	none	
___	104 2,6-Di-tert-Butyl-p-Cresol	128-37-0				Yes	small	large	some	none	
___	105 Butyl Acetate	123-86-4	Yes			Yes	small	large	some	none	
___	106 Butyl Acrylate	141-32-2				Yes	small	large	some	none	
___	107 Butyl Benzyl Phthalate	85-68-7		Yes			small	large	some	none	
___	108 Butyl Mercaptan	109-79-5				Yes	small	large	some	none	
___	109 Butylamine	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)	2426-08-6				Yes	small	large	some	none	
___	112 n-Butyl Lactate	138-22-7				Yes	small	large	some	none	
___	113 o-sec-Butylphenol	89-72-5				Yes	small	large	some	none	
___	114 p-tert-Butyltoluene	98-51-1				Yes	small	large	some	none	
___	115 sec-Butyl Acetate	105-46-4				Yes	small	large	some	none	
___	116 sec-Butyl Alcohol	78-92-2				Yes	small	large	some	none	
___	117 tert-Butyl Acetate	540-88-5				Yes	small	large	some	none	
___	118 tert-Butyl Chromate	1189-85-1				Yes	small	large	some	none	
___	119 Butyric Acid	107-92-6	Yes				small	large	some	none	
___	120 Cadmium (and all compounds)	7440-43-9		Yes	Yes		small	large	some	none	
___	121 Cadmium Acetate	543-90-8	Yes	Yes	Yes		small	large	some	none	
___	122 Cadmium Bromide	7789-42-6	Yes	Yes	Yes		small	large	some	none	
___	123 Cadmium Chloride	10108-64-2	Yes	Yes		Yes	small	large	some	none	
___	124 Cadmium Oxide	1306-19-0		Yes	Yes		small	large	some	none	
___	125 Cadmium Stearate	2223-93-0		Yes	Yes		small	large	some	none	
___	126 Calcium Arsenate	7778-44-1	Yes				small	large	some	none	
___	127 Calcium Arsenite	52740-16-6	Yes				small	large	some	none	
___	128 Calcium Carbide	75-20-7	Yes				small	large	some	none	
___	129 Calcium Chromate	13765-19-0	Yes				small	large	some	none	
___	130 Calcium Cyanamide	156-62-7				Yes	small	large	some	none	
___	131 Calcium Cyanide	592-01-8	Yes	Yes			small	large	some	none	
___	132 Calcium Dodecylbenzenesulfonate	26264-06-2	Yes				small	large	some	none	
___	133 Calcium Hypochlorite	7778-54-3	Yes				small	large	some	none	
___	134 Camphor, Synthetic	76-22-2				Yes	small	large	some	none	
___	135 Caprolactam	105-60-2				Yes	small	large	some	none	
___	136 Captafol	2425-06-1				Yes	small	large	some	none	
___	137 Captan	133-06-2	Yes			Yes	small	large	some	none	
___	138 Carbaryl	63-25-2	Yes			Yes	small	large	some	none	
___	139 Carbofuran	1563-66-2	Yes			Yes	small	large	some	none	
___	140 Carbon Disulfide	75-15-0	Yes			Yes	small	large	some	none	
___	141 Carbon Tetrabromide	558-13-4				Yes	small	large	some	none	
___	142 Carbon Tetrachloride	56-23-5	Yes	Yes		Yes	small	large	some	none	
___	143 Catechol	120-80-9				Yes	small	large	some	none	
___	144 1-Chloro-1-Nitropropane	600-25-9				Yes	small	large	some	none	
___	145 2-Chloroacetophenone	532-27-4				Yes	small	large	some	none	
___	146 2-Chloroethyl Vinyl Ether (mixed)	110-75-8		Yes			small	large	some	none	
___	147 2-Chloronaphthalene	91-58-7		Yes			small	large	some	none	
___	148 2-Chlorophenol	95-57-8		Yes			small	large	some	none	
___	149 4-Chlorophenyl Phenyl Ether	7005-72-3		Yes			small	large	some	none	
___	150 Chlordane	57-74-9	Yes	Yes	Yes	Yes	small	large	some	none	
___	151 Chlorinated Diphenyl Oxide	55720-99-5				Yes	small	large	some	none	
___	152 Chlorine	7782-50-5	Yes			Yes	small	large	some	none	
___	153 Chlorine Dioxide	10049-04-4				Yes	small	large	some	none	
___	154 Chlorine Trifluoride	7790-91-2				Yes	small	large	some	none	
___	155 Chloroacetyl Chloride	79-04-9				Yes	small	large	some	none	
___	156 Chlorobenzene	108-90-7	Yes	Yes	Yes	Yes	small	large	some	none	
___	157 Chlorobromomethane	74-97-5				Yes	small	large	some	none	
___	158 Chlorodibromomethane	124-48-1		Yes			small	large	some	none	
___	159 Chlorodifluoromethane	75-45-6				Yes	small	large	some	none	
___	160 Chloroethane	75-00-3		Yes		Yes	small	large	some	none	
___	161 Chloroform	67-66-3	Yes	Yes	Yes	Yes	small	large	some	none	
___	162 Chloromethyl Methyl Ether	107-30-2				Yes	small	large	some	none	
___	163 Chloropicrin	76-06-2				Yes	small	large	some	none	
___	164 Chloroprene	126-99-8				Yes	small	large	some	none	
___	165 Chlorosulfonic Acid	7790-94-5	Yes				small	large	some	none	
___	166 Chlorpyrifos	2921-88-2	Yes			Yes	small	large	some	none	
___	167 o-Chlorobenzylidene Malononitrile	2698-41-1				Yes	small	large	some	none	
___	168 o-Chlorostyrene	2039-87-4				Yes	small	large	some	none	
___	169 o-Chlorotoluene	95-49-8				Yes	small	large	some	none	
___	170 p-Chloro-m-Cresol	59-50-7		Yes			small	large	some	none	
___	171 Chromic Acetate	1066-30-4	Yes	Yes	Yes		small	large	some	none	
___	172 Chromic Acid	11115-74-5	Yes	Yes	Yes		small	large	some	none	

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
	173 Chromic Chloride	10025-73-7		Yes	Yes		small	large	some	none	
	174 Chromic Sulfate	10101-53-8	Yes	Yes	Yes		small	large	some	none	
X	175 Chromium (and all compounds)	7440-47-3		Yes	Yes		X small	large	X 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	218-01-9		Yes			small	large	some	none	
	179 Coal Tar Pitch Volatiles	65996-93-2				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	
X	185 Copper (and all compounds)	7440-50-8		Yes	Yes		X small	large	X some	none	
	186 Copper Cyanide	544-92-3		Yes	Yes	Yes	small	large	some	none	
	187 Coumaphos	56-72-4	Yes				small	large	some	none	
	188 Cresol	1319-77-3	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 Crufomate	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	7758-98-7	Yes	Yes	Yes		small	large	some	none	
	199 Cupric Sulfate, Ammoniated	10380-29-7	Yes	Yes	Yes		small	large	some	none	
	200 Cupric Tartrate	815-82-7	Yes	Yes	Yes		small	large	some	none	
X	201 Cyanide Compounds			Yes		Yes	X small	large	X some	none	
	202 Cyanogen	460-19-5				Yes	small	large	some	none	
	203 Cyanogen Chloride	506-77-4				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	108-91-8				Yes	small	large	some	none	
	209 Cyclonite	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 Cyhexatin	13121-70-5				Yes	small	large	some	none	
	213 2,4-Dichlorophenoxy Acetic Acid (2,4-D)	94-75-7	Yes			Yes	small	large	some	none	
	214 4,4'-DDE (P,P'-DDE)	72-55-9		Yes	Yes		small	large	some	none	
	215 DDT (P,P',O,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	319-86-8		Yes			small	large	some	none	
	218 Demeton	8065-48-3				Yes	small	large	some	none	
	219 Diazinon	333-41-5	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	19287-45-7				Yes	small	large	some	none	
	223 1,2-Dibromoethane	106-93-4	Yes			Yes	small	large	some	none	
	224 2-n-Dibutylaminoethanol	102-81-8				Yes	small	large	some	none	
	225 Dibutyl Phosphate	107-66-4				Yes	small	large	some	none	
	226 Dicamba	1918-00-9	Yes				small	large	some	none	
	227 1,1-Dichloro-1-Nitroethane	594-72-9				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-5,5-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-Dichloropropene)	542-75-6		Yes		Yes	small	large	some	none	
	237 1,4-Dichlorobenzene	106-46-7		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-Dichlorophenoxyacetic Acid (2,4-D) Esters	94-11-1	Yes				small	large	some	none	
	241 3,3-Dichlorobenzidine	91-94-1		Yes	Yes	Yes	small	large	some	none	
	242 Dichlobenil	1194-65-6	Yes				small	large	some	none	
	243 Dichlone	117-80-6	Yes				small	large	some	none	
	244 Dichloroacetylene	7572-29-4				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 Dichloropropane	26638-19-7	Yes				small	large	some	none	
	251 Dichloropropene	26952-23-8	Yes				small	large	some	none	
	252 Dichloropropene - Dichloropropane (mixture)	8003-19-8	Yes				small	large	some	none	
	253 Dichlorotetrafluoroethane (CFC-114)	76-14-2				Yes	small	large	some	none	
	254 Dichlorovos	62-73-7	Yes			Yes	small	large	some	none	
	255 Dicofof	115-32-2	Yes				small	large	some	none	
	256 Dicrotophos	141-66-2				Yes	small	large	some	none	
	257 Dicyclopentadiene	77-73-6				Yes	small	large	some	none	
	258 Dieldrin	60-57-1	Yes	Yes	Yes	Yes	small	large	some	none	

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification			Amount Present		Amount to Drains		
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
___	259 Diethanolamine	111-42-2				Yes	small	large	some	none	
___	260 Diethyl Phthalate	84-66-2		Yes		Yes	small	large	some	none	
___	261 Diethylamine	109-89-7	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	108-83-8				Yes	small	large	some	none	
___	266 Diisopropylamine	108-18-9				Yes	small	large	some	none	
___	267 2,4-Dimethylphenol	105-67-9		Yes			small	large	some	none	
___	268 4-Dimethylaminoazobenzene	60-11-7				Yes	small	large	some	none	
___	269 Dimethyl Phthalate	131-11-3		Yes		Yes	small	large	some	none	
___	270 Dimethyl Sulfate	77-78-1				Yes	small	large	some	none	
___	271 Dimethylamine	124-40-3	Yes			Yes	small	large	some	none	
___	272 n,n-Dimethylaniline	121-69-7				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 4,6-Dinitro-o-Cresol	534-52-1		Yes		Yes	small	large	some	none	
___	276 Dinitolmide (3,5-Dinitro-o-Toluamide)	148-01-6				Yes	small	large	some	none	
___	277 Dinitrobenzene (mixed isomers)	25154-54-5	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	99-65-0				Yes	small	large	some	none	
___	281 o-Dinitrobenzene	528-29-0				Yes	small	large	some	none	
___	282 p-Dinitrobenzene	100-25-4				Yes	small	large	some	none	
___	283 Dioxathion	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 Disulfiram	97-77-8				Yes	small	large	some	none	
___	289 Disulfoton	298-04-4	Yes			Yes	small	large	some	none	
___	290 Diuron	330-54-1	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	72-20-8	Yes	Yes	Yes	Yes	small	large	some	none	
___	296 Endrin Aldehyde	7421-93-4		Yes			small	large	some	none	
___	297 Epichlorohydrin	106-89-8	Yes			Yes	small	large	some	none	
___	298 EPN	2104-64-5				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	141-78-6				Yes	small	large	some	none	
___	302 Ethyl Acrylate	140-88-5				Yes	small	large	some	none	
___	303 Ethyl Amyl Ketone (5-Methyl-3-Heptanone)	541-85-5				Yes	small	large	some	none	
___	304 Ethyl Bromide	74-96-4				Yes	small	large	some	none	
___	305 Ethyl Butyl Ketone (3-Heptanone)	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	75-08-1				Yes	small	large	some	none	
___	309 Ethyl Silicate	78-10-4				Yes	small	large	some	none	
___	310 Ethylbenzene	100-41-4	Yes	Yes		Yes	small	large	some	none	
___	311 Ethylene Glycol Dinitrate	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 Ethylidene Norbornene	16219-75-3				Yes	small	large	some	none	
___	315 Fenamiphos	22224-92-6				Yes	small	large	some	none	
___	316 Fensulfothion	115-90-2				Yes	small	large	some	none	
___	317 Fenthion	55-38-9				Yes	small	large	some	none	
___	318 Ferric Ammonium Citrate	1185-57-5	Yes				small	large	some	none	
___	319 Ferric Ammonium Oxalate	2944-67-4	Yes				small	large	some	none	
___	320 Ferric Ammonium Oxalate	55488-87-4	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	10045-89-3	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 Fluoranthene	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 Fonofos	944-22-9				Yes	small	large	some	none	
___	332 Formaldehyde	50-00-0	Yes				small	large	some	none	
___	333 Fumaric 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 Germanium Tetrahydride	7782-65-2				Yes	small	large	some	none	
___	337 Heptachlor	76-44-8	Yes	Yes	Yes	Yes	small	large	some	none	
___	338 Heptachlor Epoxide	1024-57-3		Yes	Yes		small	large	some	none	
___	339 Hexachlorobenzene	118-71-1		Yes	Yes		small	large	some	none	
___	340 Hexachlorobutadiene	87-68-3		Yes	Yes	Yes	small	large	some	none	
___	341 Hexachlorocyclohexane	608-73-1		Yes	Yes		small	large	some	none	
___	342 Hexachlorocyclopentadiene	77-47-4	Yes	Yes		Yes	small	large	some	none	
___	343 Hexachloroethane	67-72-1		Yes	Yes	Yes	small	large	some	none	
___	344 Hexachloronaphthalene	1335-87-1				Yes	small	large	some	none	

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
___	345 Hexane	110-54-3				Yes	small	large	some	none	
___	346 Hydrochloric Acid	7647-01-0	Yes			Yes	small	large	some	none	
___	347 Hydrogen Cyanide	74-90-8	Yes			Yes	small	large	some	none	
___	348 Hydrogen Fluoride	7664-39-3	Yes			Yes	small	large	some	none	
___	349 Hydrogen Selenide	7783-07-5				Yes	small	large	some	none	
___	350 Hydrogen Sulfide	7783-06-4	Yes			Yes	small	large	some	none	
___	351 Hydroquinone	123-31-9				Yes	small	large	some	none	
___	352 Ideno(1,2,3-CD)Pyrene (2,3-o-Phenylene-pyrene)	193-39-5		Yes			small	large	some	none	
___	353 Iron, Pentacarbonyl-	13463-40-6				Yes	small	large	some	none	
___	354 Iso-Amyl Acetate	123-92-2				Yes	small	large	some	none	
___	355 Iso-Butyl Acetate	110-19-0				Yes	small	large	some	none	
___	356 Isobutanol	78-83-1				Yes	small	large	some	none	
___	357 Isophorone	78-59-1		Yes		Yes	small	large	some	none	
___	358 Isophorone Diisocyanate	4098-71-9				Yes	small	large	some	none	
___	359 Isoprene	78-79-5	Yes				small	large	some	none	
___	360 Isopropanolamine Dodecylbenzene Sulfonate	42504-46-1	Yes				small	large	some	none	
___	361 Kepone	143-50-0	Yes				small	large	some	none	
___	362 Lead (and all compounds)	7439-92-1		Yes	Yes		small	large	some	none	
___	363 Lead Acetate	301-04-2	Yes				small	large	some	none	
___	364 Lead Arsenate	3687-31-8	Yes				small	large	some	none	
___	365 Lead Chloride	7758-95-4	Yes				small	large	some	none	
___	366 Lead Fluoborate	13814-96-5	Yes				small	large	some	none	
___	367 Lead Fluoride	7783-46-2	Yes				small	large	some	none	
___	368 Lead Iodide	10101-63-0	Yes				small	large	some	none	
___	369 Lead Nitrate	10099-74-8	Yes				small	large	some	none	
___	370 Lead Stearate	1072-35-1	Yes				small	large	some	none	
___	371 Lead Sulfate	7446-14-2	Yes				small	large	some	none	
___	372 Lead Sulfide	1314-87-0	Yes				small	large	some	none	
___	373 Lead Thiocyanate	592-87-0	Yes				small	large	some	none	
___	374 Lindane	58-89-9	Yes	Yes		Yes	small	large	some	none	
___	375 Lithium Chromate	14307-35-8	Yes				small	large	some	none	
___	376 Lithium Hydride	7580-67-8				Yes	small	large	some	none	
___	377 Malathion	121-75-5	Yes				small	large	some	none	
___	378 Maleic Acid	110-16-7	Yes				small	large	some	none	
___	379 Maleic Anhydride	108-31-6	Yes				small	large	some	none	
___	380 Manganese	7439-96-5				Yes	small	large	some	none	
___	381 Manganese, Tricarbonyl Methylcyclopentadienyl	12108-13-3				Yes	small	large	some	none	
___	382 MBOCA	101-14-4			Yes		small	large	some	none	
___	383 Mercaptodimethur	2032-65-7	Yes				small	large	some	none	
___	384 Mercuric Acetate	1600-27-7		Yes	Yes	Yes	small	large	some	none	
___	385 Mercuric Chloride	7487-94-7		Yes	Yes	Yes	small	large	some	none	
___	386 Mercuric Cyanide	592-04-1	Yes	Yes	Yes	Yes	small	large	some	none	
___	387 Mercuric Nitrate	10045-94-0	Yes	Yes	Yes	Yes	small	large	some	none	
___	388 Mercuric Oxide	21908-53-2		Yes	Yes	Yes	small	large	some	none	
___	389 Mercuric Sulfate	7783-35-9	Yes	Yes	Yes	Yes	small	large	some	none	
___	390 Mercuric Thiocyanate	592-85-8	Yes	Yes	Yes	Yes	small	large	some	none	
___	391 Mercurous Nitrate	7782-86-7	Yes	Yes	Yes	Yes	small	large	some	none	
___	392 Mercury (and all compounds)	7439-97-6		Yes	Yes	Yes	small	large	some	none	
___	393 Mercury Fulminate	628-86-4		Yes	Yes	Yes	small	large	some	none	
___	394 Methacrylonitrile	126-98-7				Yes	small	large	some	none	
___	395 Methomyl	16752-77-5				Yes	small	large	some	none	
___	396 Methoxychlor	72-43-5	Yes			Yes	small	large	some	none	
___	397 Methyl Acrylate	96-33-3				Yes	small	large	some	none	
___	398 Methyl Bromide (Bromomethane)	74-83-9		Yes		Yes	small	large	some	none	
___	399 Methyl Chloride (Chloromethane)	74-87-3		Yes		Yes	small	large	some	none	
___	400 Methyl Ethyl Ketone	78-93-3				Yes	small	large	some	none	
___	401 Methyl Ethyl Ketone Peroxide	1338-23-4				Yes	small	large	some	none	
___	402 Methyl Iodide	74-88-4				Yes	small	large	some	none	
___	403 Methyl Isobutyl Ketone	108-10-1				Yes	small	large	some	none	
___	404 Methyl Isocyanate	624-83-9				Yes	small	large	some	none	
___	405 Methyl Mercaptan	74-93-1	Yes			Yes	small	large	some	none	
___	406 Methyl Methacrylate	80-62-6	Yes				small	large	some	none	
___	407 Methyl Parathion	298-00-0	Yes			Yes	small	large	some	none	
___	408 Methylene Chloride (Dichloromethane)	75-09-2		Yes	Yes	Yes	small	large	some	none	
___	409 Methylenebis (Phenylisocyanate)	101-68-8				Yes	small	large	some	none	
___	410 Mevinphos	7786-34-7	Yes			Yes	small	large	some	none	
___	411 Mexacarbate	315-18-4	Yes				small	large	some	none	
___	412 Mirex	2385-85-5		Yes	Yes		small	large	some	none	
___	413 Monochloropentafluoroethane (CFC-115)	76-15-3				Yes	small	large	some	none	
___	414 Monoethylamine	75-04-7	Yes			Yes	small	large	some	none	
___	415 Monomethylamine	74-89-5	Yes			Yes	small	large	some	none	
___	416 Naled	300-76-5	Yes			Yes	small	large	some	none	
___	417 1-Naphthylamine	134-32-7				Yes	small	large	some	none	
___	418 Naphthalene	91-20-3	Yes	Yes		Yes	small	large	some	none	
___	419 Naphthenic Acid	1338-24-5	Yes				small	large	some	none	
___	420 Vm & P Naphtha	8032-32-4				Yes	small	large	some	none	
<u>X</u>	421 Nickel (and all compounds)	7440-02-0		Yes	Yes		<u>X</u> small	large	<u>X</u> 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	small	large	some	none	
___	424 Nickel Chloride	7718-54-9	Yes	Yes	Yes		small	large	some	none	
___	425 Nickel Cyanide	557-19-7		Yes	Yes		small	large	some	none	
___	426 Nickel Hydroxide	12054-48-7	Yes	Yes	Yes		small	large	some	none	
___	427 Nickel Nitrate	14216-75-2	Yes	Yes	Yes		small	large	some	none	
___	428 Nickel Sulfate	7786-81-4	Yes	Yes	Yes		small	large	some	none	
___	429 Nitric Acid	7697-37-2	Yes			Yes	small	large	some	none	
___	430 Nitric Oxide	10102-43-9				Yes	small	large	some	none	

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, <i>including any in mixtures</i> , 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.										
Potentially Harmful Substance Present				Regulatory Classification			Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA					
			Haz Sub	Prior Pol	Crit Mat	Air Cont				
___	431 1-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-Nitrobiphenyl	92-93-3				Yes	small	large	some	none
___	435 4-Nitrophenol	100-02-7	Yes	Yes			small	large	some	none
___	436 m-Nitrotoluene	99-08-1	Yes			Yes	small	large	some	none
___	437 n-Nitrosodimethylamine	62-75-9		Yes		Yes	small	large	some	none
___	438 n-Nitrosodiphenylamine	86-30-6		Yes			small	large	some	none
___	439 Nitrobenzene	98-95-3	Yes	Yes			small	large	some	none
___	440 Nitroethane	79-24-3				Yes	small	large	some	none
___	441 Nitrogen Dioxide	10102-44-0	Yes			Yes	small	large	some	none
___	442 Nitrogen Trifluoride	7783-54-2				Yes	small	large	some	none
___	443 Nitroglycerin	55-63-0				Yes	small	large	some	none
___	444 Nitromethane	75-52-5				Yes	small	large	some	none
___	445 Nitrophenol (mixed isomers)	25154-55-6	Yes				small	large	some	none
___	446 Nitrotoluene	1321-12-6	Yes				small	large	some	none
___	447 p-Nitroaniline	100-01-6				Yes	small	large	some	none
___	448 p-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 Octachloronaphthalene	2234-13-1				Yes	small	large	some	none
___	452 Octachlorostyrene	29082-74-7		Yes	Yes		small	large	some	none
___	453 Octane	111-65-9				Yes	small	large	some	none
___	454 Di-n-Octyl Phthalate	117-84-0		Yes	Yes		small	large	some	none
___	455 Osmium Tetroxide	20816-12-0				Yes	small	large	some	none
___	456 Oxalic Acid	144-62-7				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 Paraformaldehyde	30525-89-4	Yes				small	large	some	none
___	460 Parathion	56-38-2	Yes			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	1321-64-8				Yes	small	large	some	none
___	464 Pentachlorophenol	87-86-5	Yes	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 (Naphta)	8030-30-6				Yes	small	large	some	none
___	468 Phenanthrene	85-01-8		Yes			small	large	some	none
___	469 Phenol	108-95-2	Yes	Yes		Yes	small	large	some	none
___	470 Phenothiazine	92-84-2				Yes	small	large	some	none
___	471 p-Phenylenediamine	106-50-3				Yes	small	large	some	none
___	472 Phenyl Ether	101-84-8				Yes	small	large	some	none
___	473 Phenyl Ether-Biphenyl Mixture					Yes	small	large	some	none
___	474 Phenyl Glycidyl Ether (PGE)	122-60-1				Yes	small	large	some	none
___	475 Phenylhydrazine	100-63-0				Yes	small	large	some	none
___	476 Phenylphosphine	638-21-1				Yes	small	large	some	none
___	477 Phorate	298-02-2				Yes	small	large	some	none
___	478 Phosgene	75-44-5	Yes			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
<u>X</u>	481 Phosphorus	7723-14-0	Yes			Yes	<u>X</u> small	large	<u>X</u> some	none
___	482 Phosphorus Oxychloride	10025-87-3	Yes			Yes	small	large	some	none
___	483 Phosphorus Pentachloride	10026-13-8				Yes	small	large	some	none
___	484 Phosphorus Trichloride	7719-12-2	Yes			Yes	small	large	some	none
___	485 m-Phthalodinitrile	626-17-5				Yes	small	large	some	none
___	486 Picric Acid	88-89-1				Yes	small	large	some	none
___	487 Pindone (2-Pivalyl-1,3-Indandione)	83-26-1				Yes	small	large	some	none
___	488 Piperazine Dihydrochloride	142-64-3				Yes	small	large	some	none
___	489 Polybrominated Biphenyls (PBB)	67774-32-7			Yes		small	large	some	none
___	490 Polychlorinated Biphenyls (PCB)	1336-36-3	Yes	Yes	Yes		small	large	some	none
___	491 Polychlorinated Naphthalenes	CLASS-06-6			Yes		small	large	some	none
___	492 Potassium Arsenite	10124-50-2	Yes	Yes	Yes	Yes	small	large	some	none
___	493 Potassium Bichromate	7778-50-9	Yes	Yes	Yes		small	large	some	none
___	494 Potassium Chromate	7789-00-6	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	74-98-6				Yes	small	large	some	none
___	499 Propargite	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			Yes	small	large	some	none
___	503 Propionic Anhydride	123-62-6	Yes				small	large	some	none
___	504 Propoxur	114-26-1				Yes	small	large	some	none
___	505 Di-n-Propylnitrosamine	621-64-7		Yes			small	large	some	none
___	506 n-Propyl Acetate	109-60-4				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	107-98-2				Yes	small	large	some	none
___	510 Propylene Oxide	75-56-9	Yes			Yes	small	large	some	none
___	511 Pyrene	129-00-0		Yes			small	large	some	none
___	512 Pyrethrins	8003-34-7	Yes			Yes	small	large	some	none
___	513 Quinoline	91-22-5	Yes				small	large	some	none
___	514 Resorcinol	108-46-3	Yes			Yes	small	large	some	none
___	515 Ronnel	299-84-3				Yes	small	large	some	none
___	516 Rotenone	83-79-4				Yes	small	large	some	none

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, <i>including any in mixtures</i> , 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.											
Potentially Harmful Substance Present				Regulatory Classification				Amount Present		Amount to Drains	
PHS #	Name	CAS RN	USEPA	MDEQ	MIOSHA						
			Haz Sub	Prior Pol	Crit Mat	Air Cont					
___	517 Selenium (and all compounds)	7782-49-2		Yes	Yes	Yes	small	large	some	none	
___	518 Selenium Hexafluoride	7783-79-1		Yes	Yes	Yes	small	large	some	none	
___	519 Selenium Oxide	7446-08-4	Yes	Yes	Yes	Yes	small	large	some	none	
___	520 Selenium Oxychloride	7791-23-3		Yes	Yes	Yes	small	large	some	none	
___	521 Selenium Sulfide	7488-56-4		Yes	Yes	Yes	small	large	some	none	
___	522 Silicon Tetrahydride	7803-62-5				Yes	small	large	some	none	
___	523 Silver (all compounds)	7440-22-4		Yes	Yes		small	large	some	none	
___	524 Silver Cyanide	506-64-9		Yes	Yes	Yes	small	large	some	none	
___	525 Silver Nitrate	7761-88-8		Yes	Yes	Yes	small	large	some	none	
___	526 Silvex (2,4,5-Trichloropropionic Acid; 2,4,5-TP)	93-72-1	Yes				small	large	some	none	
___	527 Silvex Esters (2,4,5-TP Esters)	32534-95-5	Yes				small	large	some	none	
___	528 Sodium	7440-23-5	Yes				small	large	some	none	
___	529 Sodium Arsenate	7631-89-2	Yes	Yes	Yes	Yes	small	large	some	none	
___	530 Sodium Arsenite	7784-46-5	Yes	Yes	Yes	Yes	small	large	some	none	
___	531 Sodium Bichromate	10588-01-9	Yes	Yes	Yes		small	large	some	none	
___	532 Sodium Bifluoride	1333-83-1	Yes				small	large	some	none	
___	533 Sodium Bisulfite	7631-90-5	Yes				small	large	some	none	
___	534 Sodium Chromate	7775-11-3	Yes	Yes	Yes		small	large	some	none	
___	535 Sodium Cyanide (Na(Cn))	143-33-9	Yes	Yes			small	large	some	none	
___	536 Sodium Dodecylbenzenesulfonate	25155-30-0	Yes				small	large	some	none	
___	537 Sodium Fluoride	7681-49-4	Yes				small	large	some	none	
___	538 Sodium Hydrosulfide	16721-80-5	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 Nitrite	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 Selenite	10102-18-8	Yes	Yes	Yes	Yes	small	large	some	none	
___	547 Stibine	7803-52-3				Yes	small	large	some	none	
___	548 Stoddard Solvent	8052-41-3				Yes	small	large	some	none	
___	549 Strontium Chromate	7789-06-2	Yes	Yes	Yes		small	large	some	none	
___	550 Strychnine	57-24-9	Yes			Yes	small	large	some	none	
___	551 Styrene	100-42-5	Yes		Yes	Yes	small	large	some	none	
___	552 Sulfur Dioxide	7446-09-5				Yes	small	large	some	none	
___	553 Sulfur Hexafluoride	2551-62-4				Yes	small	large	some	none	
___	554 Sulfur Monochloride	10025-67-9	Yes			Yes	small	large	some	none	
___	555 Sulfur Pentafluoride	5714-22-7				Yes	small	large	some	none	
___	556 Sulfur Phosphide	1314-80-3	Yes			Yes	small	large	some	none	
___	557 Sulfur Tetrafluoride	7783-60-0				Yes	small	large	some	none	
___	558 Sulfuric Acid	7664-93-9	Yes			Yes	small	large	some	none	
___	559 Sulfuryl Fluoride	2699-79-8				Yes	small	large	some	none	
___	560 2,4,5-T Amines	1319-72-8	Yes				small	large	some	none	
___	561 2,4,5-T Amines	3813-14-7	Yes				small	large	some	none	
___	562 2,4,5-T Amines	6369-96-6	Yes				small	large	some	none	
___	563 2,4,5-T Amines	6369-97-7	Yes				small	large	some	none	
___	564 2,4,5-T Esters	1928-47-8	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	25168-15-4	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		small	large	some	none	
___	569 TDE	72-54-8	Yes	Yes	Yes		small	large	some	none	
___	570 Tellurium (and all compounds)	13494-80-9				Yes	small	large	some	none	
___	571 Tellurium Hexafluoride	7783-80-4				Yes	small	large	some	none	
___	572 Terphenyls	26140-60-3				Yes	small	large	some	none	
___	573 1,1,1,2-Tetrachloro-2,2-Difluoroethane	76-11-9				Yes	small	large	some	none	
___	574 1,1,2,2-Tetrachloro-1,2-Difluoroethane	76-12-0				Yes	small	large	some	none	
___	575 1,1,2,2-Tetrachloroethane	79-34-5		Yes		Yes	small	large	some	none	
___	576 1,2,3,4-Tetrachlorobenzene	634-66-2			Yes		small	large	some	none	
___	577 1,2,3,5-Tetrachlorobenzene	634-90-2			Yes		small	large	some	none	
___	578 1,2,4,5-Tetrachlorobenzene	95-94-3			Yes		small	large	some	none	
___	579 2,3,7,8-Tetrachlorodibenzo-p-Dioxin (TCDD)	1746-01-6		Yes	Yes		small	large	some	none	
___	580 Tetrachloroethylene (Perchloroethylene)	127-18-4		Yes	Yes	Yes	small	large	some	none	
___	581 Tetrachloronaphthalene	1335-88-2				Yes	small	large	some	none	
___	582 Tetraethyl Lead	78-00-2	Yes			Yes	small	large	some	none	
___	583 Tetraethyl Pyrophosphate	107-49-3	Yes			Yes	small	large	some	none	
___	584 Tetraethyldithiopyrophosphate	3689-24-5				Yes	small	large	some	none	
___	585 Tetramethyl Succinonitrile	3333-52-6				Yes	small	large	some	none	
___	586 Tetramethyllead	75-74-1				Yes	small	large	some	none	
___	587 Tetranitromethane	509-14-8				Yes	small	large	some	none	
___	588 Tetryl (2,4,6-Trinitro-Phenyl-Methyl-Nitramine)	479-45-8				Yes	small	large	some	none	
___	589 Thallic Oxide	1314-32-5		Yes		Yes	small	large	some	none	
___	590 Thallium	7440-28-0		Yes			small	large	some	none	
___	591 Thallium Sulfate	10031-59-1	Yes	Yes		Yes	small	large	some	none	
___	592 Thallium(I) Acetate	563-68-8		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	small	large	some	none	
___	595 Thallous Chloride	7791-12-0		Yes		Yes	small	large	some	none	
___	596 Thallous Malonate	2757-18-8		Yes		Yes	small	large	some	none	
___	597 Thallous Sulfate	7446-18-6	Yes	Yes		Yes	small	large	some	none	
___	598 Thionyl Chloride	7719-09-7				Yes	small	large	some	none	
___	599 Thiophenol	108-98-5				Yes	small	large	some	none	
___	600 Thiourea, 1-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		small	large	some	none	

**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 "SNDU" (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	Haz Sub	Prior Pol	USEPA	MDEQ	MIOSHA				
___	603 Toluene-2,4-Diisocyanate	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 Toxaphene	8001-35-2	Yes	Yes	Yes		Yes	___ small	___ large	___ some	___ none
___	607 Tribromomethane	75-25-2		Yes			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	71-55-6		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		___ small	___ large	___ some	___ none
___	613 1,2,3-Trichloropropane	96-18-4					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-Trichloroacetic Acid (2,4,5-T)	93-76-5	Yes				Yes	___ small	___ large	___ some	___ none
___	617 2,4,5-Trichlorophenol	95-95-4	Yes		Yes			___ small	___ large	___ some	___ none
___	618 2,4,5-Trichlorotoluene	6639-30-1			Yes			___ small	___ large	___ some	___ none
___	619 2,4,6-Trichlorophenol	88-06-2	Yes	Yes				___ small	___ large	___ some	___ none
___	620 Trichlorfon	52-68-6	Yes					___ small	___ large	___ some	___ none
___	621 Trichloroacetic Acid	76-03-9					Yes	___ small	___ large	___ some	___ none
___	622 Trichloroethylene	79-01-6	Yes	Yes	Yes		Yes	___ small	___ large	___ some	___ none
___	623 Trichloromethanesulfonyl Chloride	594-42-3					Yes	___ small	___ large	___ some	___ none
___	624 Trichloronaphthalene	1321-65-9					Yes	___ small	___ large	___ some	___ none
___	625 Trichlorophenol	25167-82-2	Yes					___ small	___ large	___ some	___ none
___	626 Triethanolamine Dodecylbenzene Sulfonate	27323-41-7						___ small	___ large	___ some	___ none
___	627 Triethylamine	121-44-8	Yes				Yes	___ small	___ large	___ some	___ none
___	628 Trifluralin	1582-09-8				Yes		___ small	___ large	___ some	___ none
___	629 Trimellitic Anhydride	552-30-7					Yes	___ small	___ large	___ some	___ none
___	630 Trimethyl Benzene	25551-13-7					Yes	___ small	___ large	___ some	___ none
___	631 Trimethyl Phosphite	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 Triorthocresyl 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	541-09-3	Yes					___ small	___ large	___ some	___ none
___	639 Uranyl Nitrate	10102-06-4	Yes					___ small	___ large	___ some	___ none
___	640 n-Valeraldehyde	110-62-3					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 Dioxide	106-87-6					Yes	___ small	___ large	___ some	___ none
___	647 Vinyl Toluene	25013-15-4					Yes	___ small	___ large	___ some	___ none
___	648 Warfarin, & Salts, Conc.>0.3%	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 Xylidine	1300-73-8					Yes	___ small	___ large	___ some	___ none
<u>X</u>	652 Zinc (and all compounds)	7440-66-6		Yes	Yes			<u>X</u> small	___ large	<u>X</u> 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	1332-07-6	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	656 Zinc Bromide	7699-45-8	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	657 Zinc Carbonate	3486-35-9	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	658 Zinc Chloride	7646-85-7		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 Hydrosulfite	7779-86-4	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	663 Zinc Nitrate	7779-88-6	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	664 Zinc Phenolsulfonate	127-82-2	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	665 Zinc Phosphide	1314-84-7	Yes	Yes	Yes			___ small	___ large	___ some	___ none
___	666 Zinc Silicofluoride	16871-71-9	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(((Methylamino)Carbonyl)Oxy)Im	58270-08-9		Yes	Yes			___ small	___ large	___ some	___ none
___	669 Zirconium Nitrate	13746-89-9	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

City of Flint Sanitary Sewer Use Permit Application Industrial Wastewater Pollutants Information Worksheet B						
Source of Wastestream	Accumulated liquids in sumps and vaults					
Sampling Location	Holding tank prior to discharge					
Regulated Pollutant	Daily Maximum Limit	Analytical Data				
		Concentration		Quantification Level*	Units	Test Method
		Average	Daily Maximum			
Total Biochemical Oxygen Demand	427 mg/L	19.312	120	1	mg/L	10360
Hexane-extractable Material	100 mg/L	2.8802	48	1	mg/L	1664A
Ammonia-Nitrogen **	37 mg/L	9.4908	49	0.1	mg/L	EPA 4500
Total Phosphorus	7 mg/L	0.0508	0.23	0.01	mg/L	EPA 4500
Total Suspended Solids	305 mg/L	48.766	982	1	mg/L	EPA 2540
Total Arsenic	0.048 mg/L	0.0119	0.030	0.002	mg/L	200.8
Total Cadmium	0.014 mg/L	ND	ND	0.002	mg/L	200.8
Total Chromium	0.319 mg/L	0.0369	0.183	0.005	mg/L	200.8
Hexavalent Chromium	0.005 mg/L	N/A	N/A	N/A	N/A	N/A
Total Copper	3.12 mg/L	0.747	2.3	0.004	mg/L	200.8
Amenable Cyanide	0.087 mg/L	0.00805	0.07	0.005	mg/L	EPA 4500-CN-G
Total Lead	0.107 mg/L	0.0006	0.0018	0.003	mg/L	200.8
Total Mercury	0.000012 mg/L	ND	ND	0.0002	mg/L	245.1
Total Nickel	0.795 mg/L	0.2156	0.70	0.005	mg/L	200.8
Total Silver	0.023 mg/L	ND	ND	0.005	mg/L	200.8
Total Zinc	0.445 mg/L	0.024	0.110	0.005	mg/L	200.8
Total PCB	0.00020 µg/L	ND	ND	0.1	µg/L	608
Benzene	1 µg/L	ND	ND	1	µg/L	624
Toluene	187 µg/L	ND	0.1	1	µg/L	624
Ethyl benzene	1 µg/L	ND	ND	1	µg/L	624
Total Xylenes	2 µg/L	ND	ND	2	µg/L	624

*The lowest level at which the test result is reported by the analytical laboratory as a quantitative numerical value, below which test results are reported as "less than" (<) that value.

N/A - Not Available

ND - Not Detected

** As TKN; however, TKN measures ammonia nitrogen as well as organic nitrogen, but at this site organic nitrogen is not expected; therefore, TKN results should be comparable to ammonia nitrogen.

Application Number:

City of Flint
Sanitary Sewer Use Permit Application
Wastewater Treatment System Information

Worksheet C

Pollutants Removed or Altered	Wastewater Treatment Method	Chemical Additives or Agents Used	Removal Efficiency (%)
N/A			

Pollutants Removed or Altered	Wastewater Treatment Method	Chemical Additives or Agents Used	Removal Efficiency (%)

Application Number: RTCWR GWRS 14