State Pollutant Discharge Elimination System (SPDES) DISCHARGE PERMIT

SIC Code:	**4952**	NAICS Code:	**221320**	SPDES Number:	**NY0023639**
Discharge Class (CL):	**07**			DEC Number:	**8-1838-00002/00001**
Toxic Class (TX):	**N**			Effective Date (EDP):	**EDP**
Major-Sub Drainage Basin:	**03 - 01**			Expiration Date (ExDP):	**ExDP**
Water Index Number:	**ONT 138-28-2**	Item No.:	**847 - 690**	Modification Dates (EDPM):	
Compact Area:	**IJC**				

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. '1251 et.seq.)

PERMITTEE NAME AND ADDRESS					
Name:	**Village of Oakfield**	Attention:	**Tom Mikolajczyk, Supervisor DPW**		
Street:	**37 Main Street**				
City:	**Oakfield**	State:	**NY**	Zip Code:	**14125**
Email:	**dpwtom@villageofoakfield.org**	Phone:	**(585)331-3758**		

is authorized to discharge from the facility described below:

FACILITY NAME, ADDRESS, AND PRIMARY OUTFALL																
Name:	**Village of Oakfield Sewage Treatment Plant**															
Address / Location:	**19 Irving Parkway**											County:	**Genesee**			
City:	**Oakfield**						State:	**NY**				Zip Code:	**14125**			
Facility Location:		Latitude:	**43**	°	**04**	’	**10**	” N	& Longitude:	**78**	°	**15**	’	**56**	” W	
Primary Outfall No.:	**001**	Latitude:	**43**	°	**04**	’	**48**	” N	& Longitude:	**78**	°	**15**	’	**52**	” W	
Outfall Description:	**Treated Sanitary**	Receiving Water:	**Dry Brook, Trib. of Oak Orchard Creek**					Class:	**C**			Standard:	**C**			

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this permit; and 6 NYCRR Part 750-1 and 750-2.

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:
BWP Permit Coordinator (permit.coordinator@dec.ny.gov)
BWP Permit Writer
RWE
RPA
EPA Region II (Region2_NPDES@epa.gov)
NYSEFC (sara.tully@efc.ny.gov)

Permit Administrator:	Ashley Rubacha
Address:	6274 E. Avon-Lima Rd Avon, NY 14414
Signature	Date

Contents

DEFINITIONS

TERM	DEFINITION
7-Day Geo Mean	The highest allowable geometric mean of daily discharges over a calendar week.
7-Day Average	The average of all daily discharges for each 7-days in the monitoring period. The sample measurement is the highest of the 7-day averages calculated for the monitoring period.
12-Month Rolling Average (12 MRA)	The current monthly value of a parameter, plus the sum of the monthly values over the previous 11 months for that parameter, divided by the number of months for which samples were collected in the 12-month period.
30-Day Geometric Mean	The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of: the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
Action Level	Action level means a monitoring requirement characterized by a numerical value that, when exceeded, triggers additional permittee actions and DEC review to determine if numerical effluent limitations should be imposed.
Compliance Level / Minimum Level	A compliance level is an effluent limitation. A compliance level is given when the water quality evaluation specifies a Water Quality Based Effluent Limit (WQBEL) below the Minimum Level. The compliance level shall be set at the Minimum Level (ML) for the most sensitive analytical method as given in 40 CFR Part 136, or otherwise accepted by the DEC.
Daily Discharge	The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day.
Daily Maximum	The highest allowable Daily Discharge.
Daily Minimum	The lowest allowable Daily Discharge.
Effective Date of Permit (EDP or EDPM)	The date this permit is in effect.
Effluent Limitations	Effluent limitation means any restriction on quantities, quality, rates and concentrations of chemical, physical, biological, and other constituents of effluents that are discharged into waters of the state.
Expiration Date of Permit (ExDP)	The date this permit is no longer in effect.
Instantaneous Maximum	The maximum level that may not be exceeded at any instant in time.
Instantaneous Minimum	The minimum level that must be maintained at all instants in time.
Monthly Average	The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
Outfall	The terminus of a sewer system, or the point of emergence of any waterborne sewage, industrial waste or other wastes or the effluent therefrom, into the waters of the State.
Range	The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.
Receiving Water	The classified waters of the state to which the listed outfall discharges.
Sample Frequency / Sample Type / Units	See NYSDEC's "DMR Manual for Completing the Discharge Monitoring Report for the SPDES" for information on sample frequency, type and units.

PERMIT LIMITS, LEVELS AND MONITORING

OUTFALL	LIMITATIONS APPLY	RECEIVING WATER	EFFECTIVE	EXPIRING
001	All Year (unless otherwise specified)	Dry Brook; Trib. of Oak Orchard Creek	EDP	ExDP

PARAMETER	EFFLUENT LIMITATION					MONITORING REQUIREMENTS				FN
	Type	Limit	Units	Limit	Units	Sample Frequency	Sample Type	Location Inf.	Location Eff.	
Flow	Monthly Average	0.34	MGD			Continuous	Recorder		X	
Flow	Daily Maximum	Monitor	MGD			Continuous	Recorder		X	
pH	Daily Minimum	6.5	SU			1/Day	Grab		X	
	Daily Maximum	8.5	SU							
Temperature	Daily Maximum	Monitor	ºF			1/Day	Grab		X	
Settleable Solids	Daily Maximum	0.1	mL/L			1/Day	Grab		X	
$CBOD_5$	Daily Maximum	5.0	mg/L	21	lbs/d	2/Month	6-hr. Comp.	X	X	1
Total Suspended Solids (TSS)	Daily Maximum	10	mg/L	42	lbs/d	2/Month	6-hr. Comp.	X	X	1
Dissolved Oxygen	Daily Minimum	7.0	mg/L			2/Month	Grab		X	
Ammonia (as N) June 1st – October 31st	Daily Maximum	1.2	mg/L			2/Month	6-hr. Comp.		X	
Ammonia (as N) November 1st – May 31st	Daily Maximum	1.8	mg/L			2/Month	6-hr. Comp.		X	
Nitrites (as N)	Daily Maximum	Monitor	mg/L			Quarterly	6-hr. Comp.		X	2
Total Phosphorus (as P)	Monthly Average	0.5	mg/L			2/Month	6-hr. Comp.		X	3
Total Dissolved Solids	Daily Maximum	500	mg/L			Quarterly	6-hr. Comp.		X	2,3

EFFLUENT DISINFECTION Required Seasonal from May 1st - October 31st		Limit	Units	Limit	Units	Sample Frequency	Sample Type	Inf.	Eff.	FN
Coliform, Fecal	30-Day Geometric Mean	200	No./ 100 mL			2/Month	Grab		X	
Coliform, Fecal	7-Day Geometric Mean	400	No./ 100 mL			2/Month	Grab		X	
Chlorine, Total Residual	Daily Maximum	0.03	mg/L			1/Day	Grab		X	4

FOOTNOTES:

1. Effluent shall not exceed 15% and 15% of influent concentration values for BOD_5 & TSS respectively.
2. Quarterly samples shall be collected in calendar quarters (Q1 – January 1st to March 31st; Q2 – April 1st to June 30th; Q3 – July 1st to September 30th; Q4 – October 1st to December 31st).
3. This is a final effluent limitation. See Schedule of Compliance for any applicable interim effluent limitations.
4. Sampling and reporting for total residual chlorine are only necessary if chlorine is used for disinfection, elsewhere in the treatment process, or the facility otherwise has reasonable potential to discharge chlorine. Otherwise, the permittee shall report NODI-9 on the DMR.

BEST MANAGEMENT PRACTICES AND REQUIREMENTS APPLICABLE TO THE WET WEATHER BYPASS (MICROSCREEN):

1. Dry weather overflows from the microscreen are prohibited. The occurrence of any dry weather overflow shall be promptly abated and reported to the NYSDEC Regional Office in accordance with 6 NYCRR Part 750-2.7.

2. No new source of stormwater shall be connected to any separate sanitary sewer in the collection system.

3. Sanitary sewer extensions shall be designed and constructed without storm sewer interconnections.

4. The permittee shall maximize flow up to the peak design capacity to the POTW Treatment Plant during periods of wet weather.

5. The permittee shall document on their Monthly Operating Report a summary, for each day that the microscreen is in use: the total volume and duration of each occurrence, and measurements of the total amount of rainfall.

6. The treatment plant shall be capable of receiving and treating: the peak design hydraulic loading rates for all process units; i.e., a minimum of **1.6 MGD** through the plant headworks; a minimum of **0.34 MGD** through the secondary treatment and tertiary works during wet weather (flows being diverted to microscreen for treatment at flows above 0.34 MGD); and a minimum of **1.6 MGD** through disinfection works.

MERCURY MINIMIZATION PROGRAM (MMP) - Type IV

On 10/24/2024, the permittee submitted a Conditional Exclusion Certification, certifying that the facility does not have any of the mercury sources listed in Part III.A.3. of DOW 1.3.10.

1. General - The permittee must develop, implement, and maintain a mercury minimization program (MMP), containing the elements set forth below.

2. MMP Elements - The MMP must be a written document and must include any necessary drawings or maps of the facility and/or collection system. Other related documents already prepared for the facility may be used as part of the MMP and may be incorporated by reference. At a minimum, the MMP must include the following elements[1] as described in detail below:

   a. Conditional Exclusion Certification - A certification (Appendix D of *DOW 1.3.10*), signed in accordance with 750-1.8 Signature of SPDES forms, must be submitted once every five (5) years for Outfall 001 to the Regional Water Engineer and to the Bureau of Water Permits certifying that Outfall 001 for the facility is neither a mercury source nor receives flows from a mercury source. Criteria to determine if a facility has a mercury source are as follows:

      - The facility is or receives discharge from 1) individually permitted combined sewer overflow (CSOs)[2] communities and/or 2) Type II sanitary sewer overflow (SSO)[3] facilities;
      - One or more effluent samples which exceed 12 ng/L, including samples taken as a result of the SPDES application process;
      - Internal or tributary waste stream samples exceed the GLCA effluent limitation **AND** the final effluent samples are less than the GLCA due primarily to dilution by uncontaminated or less contaminated waste streams. Both components of this criterion may include samples taken as a result of the SPDES application process;
      - A permit application or other information indicates that mercury is handled on site and could be discharged through outfalls;
      - Outfalls which contain legacy mercury contamination;
      - The facility's collection system receives discharges from a dental and/or categorical industrial user (CIU)[4] that may discharge mercury;
      - The facility accepts hauled wastes; or,
      - The facility is defined as a categorical industry that may discharge mercury. This may also include dentists, universities, hospitals, or laboratories which have their own SPDES permit.

   b. Control Strategy - The control strategy must contain the following minimum elements:
      i. Equipment and Materials – Equipment and materials (e.g., thermometers, thermostats) used by the permittee, which may contain mercury, must be evaluated by the permittee. As equipment and materials containing mercury are updated/replaced, the permittee must use mercury-free alternatives, if possible.
      ii. Bulk Chemical Evaluation – For chemicals, used at a rate which exceeds 1,000 gallons/year or 10,000 pounds/year, the permittee must obtain a manufacturer's certificate of analysis, a chemical analysis performed by a certified laboratory, and/or a notarized affidavit which describes the substances' mercury concentration and the detection limit achieved. If possible, the permittee must only use bulk chemicals utilized in the wastewater treatment process which contain <10 ppb mercury.

   c. **Status Report** - An **annual** status report must be developed and maintained on site, in accordance with the Schedule of Additional Submittals, summarizing:

[1]Neither monitoring nor outreach is required for facilities meeting the criteria for MMP Type IV, but monitoring and/or outreach can be included in the permittee's control strategy.
[2] CSO permits are included under the 05 and 07 permit classifications.
[3] These are overflow retention facilities (ORFs) and are included under the 05 and 07 permit classifications.
[4] CIUs include those listed under Federal Regulation in 40 CFR Part 400.

MERCURY MINIMIZATION PROGRAM (MMP) – Type IV (Continued)

i. Review of criteria to determine if the facility has a potential mercury source;
   a. If the permittee no longer meets the criteria for MMP Type IV, the permittee must notify the DEC or a permittee-initiated permit modification;
ii. All actions undertaken, pursuant to the control strategy, during the previous year; and
iii. Actions planned, pursuant to the control strategy, for the upcoming year.

The permittee must maintain a file with all MMP documentation. The file must be available for review by DEC representatives and copies must be provided upon request in accordance with 6 NYCRR 750-2.1(i) and 750-2.5(c)(4).

3. MMP Modification - The MMP must be modified whenever:
   a. Changes at the facility, or within the collection system, increase the potential for mercury discharges;
   b. A letter from the Department identifies inadequacies in the MMP.

   The DEC may use information in the annual status reports, in accordance with 2.c of this MMP, to determine if the permit limitations and MMP Type is appropriate for the facility.

DEFINITIONS:

Potential mercury source – a source identified by the permittee that may reasonably be expected to have total mercury contained in the discharge. Some potential mercury sources include switches, fluorescent lightbulbs, cleaners, degreasers, thermometers, batteries, hauled wastes, universities, hospitals, laboratories, landfills, Brownfield sites, or raw material storage.

TDS MINIMIZATION PROGRAM for Municipal Facilities

1. **General**—The permittee shall develop, maintain, and implement a Total Dissolved Solids Minimization Program (TDS MP). A TDS MP is required because the calculated water quality based effluent limit (WQBEL) of 500 mg/L for TDS is below the NY-2A application sample results submitted for TDS which had a maximum reported value equal to 600 mg/L. The goal of the TDS MP will be to meet the calculated WQBEL.

2. **TDS MP Elements**— The TDS MP plan shall be documented in narrative form and shall include any necessary plot plans, drawings, or maps. Other documents already prepared for the facility, such as a Best Management Practices Plan, may be used as part of the plan and may be incorporated by reference. At a minimum, the TDS MP plan shall include:
   A. *Background concentrations of TDS and hardness outside the plant*. This shall include, at a minimum, collecting samples upstream of the effluent discharge point and sampling the drinking water supply/supplies. The permittee shall determine whether or not water softeners are used prior to distribution.

   B. *Influent sources of TDS.* The permittee shall track-down potential TDS contributions. These shall include, at a minimum, identifying industrial contributors of TDS; determining a baseline TDS for domestic users; and identifying water treatment chemicals (WTCs) that could be a source of TDS. This sampling shall also include a characterization of TDS (e.g. sodium, chloride, potassium, etc.). Sampling shall be on an ongoing basis until a subsequent permit is developed which replaces these requirements.

   C. *Commercial and Industrial Contributors.* The permittee shall identify and list any contributors to the POTW in the following categories: food processors (cheese, vegetables, meat, pickles, soy sauce, etc); metal plating/metal finishing; car washes; Municipal Maintenance Sheds (salt storage, truck washing, etc); laundromats; and, other presumed commercial or industrial TDS contributors.

   D. *Outreach and Best Management Practices (BMPs).* The permittee shall identify and implement actions that can be taken to reduce effluent TDS. These may include, but are not limited to, the following: outreach to significant industrial users (SIUs) requesting voluntary reductions of TDS; evaluation of current sewer use ordinances regulating or limiting the discharge of TDS from SIUs; informing domestic users of proper maintenance and improvements to residential water softeners; implementing local ordinances to mandate use of efficient softeners; contacting local water suppliers regarding need to reduce supply-side contributions; working with municipality to reduce or adjust application of road salts as practical; implementing new housekeeping practices; minimizing the addition of salts, etc.

   E. *Annual Status Report.* An annual status report must be developed and submitted electronically to the Regional Water Engineer and to the Bureau of Water Permits, 625 Broadway, Albany, NY, 12233-3505, by February 1 of each year. This report shall summarize all pollutant monitoring data; for treatment systems include a mass balance comparison of influent and effluent; a list of known or potential pollutant sources; all control measures implemented during the previous calendar year (January 1 – December 31); monitoring, investigations, and control measures to be completed during the current calendar year; and document progress toward the goal of achieving the calculated WQBEL.

3. **TDS MP Modification**— The TDS MP plan shall be modified whenever: (a) changes at the facility increase the potential for discharge of the pollutant, (b) actual discharges indicate the plan is inadequate, or (c) a letter from the Department identifies inadequacies in the TDS MP plan.

DISCHARGE NOTIFICATION REQUIREMENTS

(a) The permittee shall install and maintain identification signs at all outfalls to surface waters listed in this permit, unless the Permittee has obtained a waiver in accordance with the Discharge Notification Act (DNA). Such signs shall be installed before initiation of any new discharge location.

(b) Subsequent modifications to or renewal of this permit does not reset or revise the deadline set forth in (a) above, unless a new deadline is set explicitly by such permit modification or renewal.

(c) The Discharge Notification Requirements described herein do not apply to outfalls from which the discharge is composed exclusively of storm water, or discharges to ground water.

(d) The sign(s) shall be conspicuous, legible and in as close proximity to the point of discharge as is reasonably possible while ensuring the maximum visibility from the surface water and shore. The signs shall be installed in such a manner to pose minimal hazard to navigation, bathing or other water related activities. If the public has access to the water from the land in the vicinity of the outfall, an identical sign shall be posted to be visible from the direction approaching the surface water.

The signs shall have **minimum** dimensions of eighteen inches by twenty-four inches (18" x 24") and shall have white letters on a green background and contain the following information:

N.Y.S. PERMITTED DISCHARGE POINT

SPDES PERMIT No.: NY_____

OUTFALL No. :____

For information about this permitted discharge contact:

Permittee Name: _____

Permittee Contact: _____

Permittee Phone: ( ) - ### - ####

OR:

NYSDEC Division of Water Regional Office Address:

NYSDEC Division of Water Regional Phone: ( ) - ### - ####

(e) Upon request, the permittee shall make available electronic or hard copies of the sampling data to the public. In accordance with the RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS page of your permit, each DMR shall be maintained (either electronically or as a hard copy) on record for a period of five years.

(f) The permittee shall periodically inspect the outfall identification sign(s) in order to ensure they are maintained, are still visible, and contain information that is current and factually correct. Signs that are damaged or incorrect shall be replaced within 3 months of inspection.

SCHEDULE OF COMPLIANCE

a) The permittee shall comply with the following schedule:

Outfall(s)	Compliance Action	Compliance Date[5]
001	INTERIM PROGRESS REPORT[6] The permittee shall provide a status update on the *Preliminary Engineering Report*.	EDP + 9 Months
	PRELIMINARY ENGINEERING REPORT The permittee shall submit an approvable[7] Preliminary Engineering Report (PER) that meets the requirements of the EFC/DEC Engineering Report Outline (https://www.dec.ny.gov/permits/6054.html). The report shall describe treatment alternatives or other control mechanisms (i.e., pretreatment program / Sewer Use Law) that may be used to comply with the final effluent limitation(s) for *Total Phosphorus.*	EDP + 12 Months
	INTERIM PROGRESS REPORT The permittee shall provide a status update for the *Design Documents*.	EDP + 21 Months
	DESIGN DOCUMENTS The permittee shall submit approvable[7] Design Documents including a Basis of Design Report (BODR), Plans, Specifications, and Construction Schedule for the selected alternative that will ensure compliance with final effluent limitation(s) for *Total Phosphorus*.	EDP + 24 Months
	INTERIM PROGRESS REPORT The permittee shall provide a status update for *Complete Construction*.	EDP + 33 Months EDP + 42 Months EDP + 51 Months
	COMPLETE CONSTRUCTION The permittee shall provide a Construction Completion Certification[8] to the DEC (send to the Regional Water Engineer and NetDMR@dec.ny.gov) that the phosphorus removal/chemical addition system has been fully completed in accordance with the approved Design Documents.	EDP + 54 Months
	COMMENCE OPERATION Following receipt of DEC acceptance of the Construction Completion Certification, the permittee shall comply with the final effluent limitation(s) described in this permit for *Total Phosphorus*.	Upon Department Acceptance
Unless noted otherwise, the above actions are one-time requirements.		
See next page for Interim Effluent Limits.		

[5] 6 NYCRR 750-1.14 (a)
[6] 6 NYCRR 750-1.14 (b)
[7] 6 NYCRR 750 1.2 (a)(8)
[8] 6 NYCRR 750-2.10 (c)

SCHEDULE OF COMPLIANCE – Interim Effluent Limits

OUTFALL	EXPIRING
001	**See Notes**

PARAMETER	INTERIM EFFLUENT LIMIT					MONITORING REQUIREMENTS				Notes
	Type	Limit	Units	Limit	Units	Sample Frequency	Sample Type	Location Inf.	Location Eff.	
Total Phosphorus	Monthly Average	Monitor	mg/L	Monitor	lbs/yr	2/Month	6-hr. Comp.	-	X	1
Total Dissolved Solids	Daily Maximum	Monitor	mg/L	-	-	Quarterly	6-hr.Comp.	-	X	2

Notes:
1. Total Phosphorus Interim limits expire upon Department acceptance.
2. Total Dissolved Solids Interim limits expire EDP + 36 months.

b) The permittee shall submit a Report of Non-Compliance Event form with each of the above schedule dates no later than 14 days following each elapsed date, unless conditions require more immediate notice as prescribed in 6 NYCRR Part 750-1.2(a) and 750-2. All notifications shall be sent to the locations listed under the section of this permit entitled RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS. Each notice of non-compliance shall include the following information:

1. A short description of the non-compliance;
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirements without further delay and to limit environmental impact associated with the non-compliance;
3. Any details which tend to explain or mitigate an instance of non-compliance; and
4. An estimate of the date the permittee will comply with the elapsed schedule requirement and an assessment of the probability that the permittee will meet the next scheduled requirement on time.

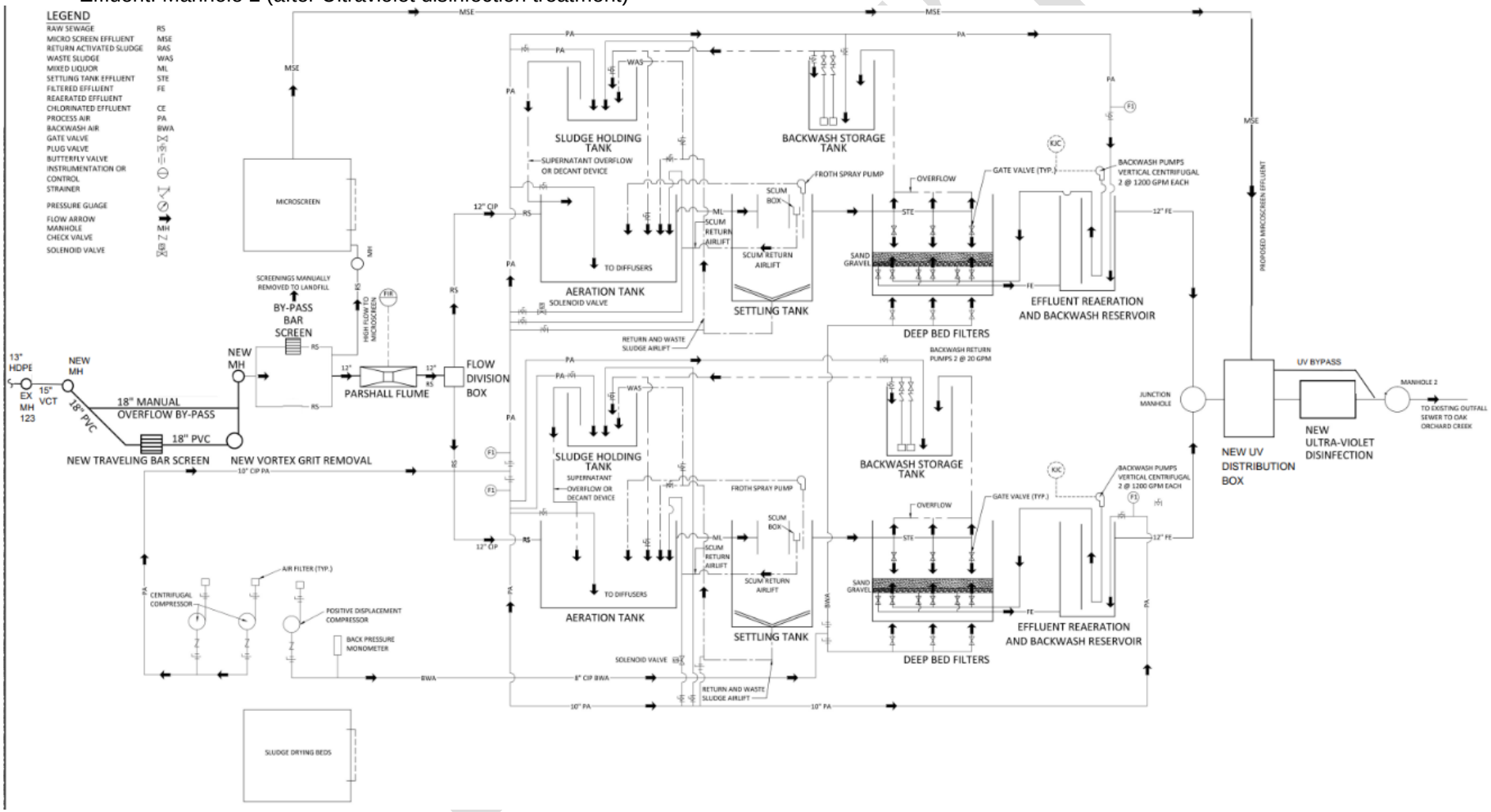
c) The permittee shall submit copies of any document required by the above schedule of compliance to the DEC Regional Water Engineer and to the Bureau of Water Permits.

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the locations(s) specified below:

Influent: Prior to mechanical screening.

Effluent: Manhole 2 (after Ultraviolet disinfection treatment)



GENERAL REQUIREMENTS

A. The regulations in 6 NYCRR Part 750 are hereby incorporated by reference and the conditions are enforceable requirements under this permit. The permittee shall comply with all requirements set forth in this permit and with all the applicable requirements of 6 NYCRR Part 750 incorporated into this permit by reference, including but not limited to the regulations in paragraphs B through I as follows:

B. General Conditions

1.	Duty to comply	6 NYCRR 750-2.1(e) & 2.4
2.	Duty to reapply	6 NYCRR 750-1.16(a)
3.	Need to halt or reduce activity not a defense	6 NYCRR 750-2.1(g)
4.	Duty to mitigate	6 NYCRR 750-2.7(f)
5.	Permit actions	6 NYCRR 750-1.1(c), 1.18, 1.20 & 2.1(h)
6.	Property rights	6 NYCRR 750-2.2(b)
7.	Duty to provide information	6 NYCRR 750-2.1(i)
8.	Inspection and entry	6 NYCRR 750-2.1(a) & 2.3

C. Operation and Maintenance

1.	Proper Operation & Maintenance	6 NYCRR 750-2.8
2.	Bypass	6 NYCRR 750-1.2(a)(17), 2.8(b) & 2.7
3.	Upset	6 NYCRR 750-1.2(a)(94) & 2.8(c)

D. Monitoring and Records

1.	Monitoring and records	6 NYCRR 750-2.5(a)(2), 2.5(a)(6), 2.5(c)(1), 2.5(c)(2), & 2.5(d)
2.	Signatory requirements	6 NYCRR 750-1.8 & 2.5(b)

E. Reporting Requirements

1.	Reporting requirements	6 NYCRR 750-2.5, 2.7 & 1.17
2.	Anticipated noncompliance	6 NYCRR 750-2.7(a)
3.	Transfers	6 NYCRR 750-1.17
4.	Monitoring reports	6 NYCRR 750-2.5(e)
5.	Compliance schedules	6 NYCRR 750-1.14(d)
6.	24-hour reporting	6 NYCRR 750-2.7(c) & (d)
7.	Other noncompliance	6 NYCRR 750-2.7(e)
8.	Other information	6 NYCRR 750-2.1(f)
9.	Additional conditions applicable to a POTW	6 NYCRR 750-2.9

F. Planned Changes

1. The permittee shall give notice to the DEC as soon as possible of planned physical alterations or additions to the permitted facility when:

   a. The alteration or addition to the permitted facility may meet any of the criteria for determining whether facility is a new source in 40 CFR §122.29(b); or
   b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject either to effluent limitations in the permit, or to notification requirements under 40 CFR §122.42(a)(1); or
   c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

In addition to the DEC, the permittee shall submit a copy of this notice to the United States Environmental Protection Agency at the following address: U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866.

GENERAL REQUIREMENTS (continued)

2. Notification Requirement for POTWs
   All POTWs shall provide adequate notice to the Department and the USEPA of the following:

   a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; or
   b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
   c. For the purposes of this paragraph, adequate notice shall include information on:
      i. the quality and quantity of effluent introduced into the POTW, and
      ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

   POTWs shall submit a copy of this notice to the United States Environmental Protection Agency, at the following address:
   U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866

G. Sludge Management
   The permittee shall comply with all applicable requirements of 6 NYCRR Part 360 series.

H. SPDES Permit Program Fee
   The permittee shall pay to the Department an annual SPDES permit program fee within 30 days of the date of the first invoice, unless otherwise directed by the DEC, and shall comply with all applicable requirements of ECL 72-0602 and 6 NYCRR Parts 480, 481 and 485. Note that if there is inconsistency between the fees specified in ECL 72-0602 and 6 NYCRR Part 485, the ECL 72-0602 fees govern.

I. Water Treatment Chemicals (WTCs)
   New or increased use and discharge of a WTC requires prior DEC review and authorization. At a minimum, the permittee must notify the DEC in writing of its intent to change WTC use by submitting a completed *WTC Notification Form* for each proposed WTC. The DEC will review that submittal and determine if a SPDES permit modification is necessary or whether WTC review and authorization may proceed outside of the formal permit administrative process. The majority of WTC authorizations do not require SPDES permit modification. In any event, use and discharge of a WTC shall not proceed without prior authorization from the DEC. Examples of WTCs include biocides, coagulants, conditioners, corrosion inhibitors, defoamers, deposit control agents, flocculants, scale inhibitors, sequestrants, and settling aids.
   1. WTC use shall not exceed the rate explicitly authorized by this permit or otherwise authorized in writing by the DEC.
   2. The permittee shall maintain a logbook of all WTC use, noting for each WTC the date, time, exact location, and amount of each dosage, and, the name of the individual applying or measuring the chemical. The logbook must also document that adequate process controls are in place to ensure that excessive levels of WTCs are not used.
   3. The permittee shall submit a completed WTC Annual Report Form each year that they use and discharge WTCs. This form shall be submitted in electronic format and attached to either the December DMR or the annual monitoring report required below. The *WTC Notification Form and WTC Annual Report Form* are available from the DEC's website at: http://www.dec.ny.gov/permits/93245.html

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

A. The monitoring information required by this permit shall be retained for a period of at least five years from the date of the sampling for subsequent inspection by the DEC or its designated agent.

B. Discharge Monitoring Reports (DMRs): Completed DMR forms shall be submitted for each 1 month reporting period in accordance with the DMR Manual available on DEC's website.

DMRs must be submitted electronically using the electronic reporting tool (NetDMR) specified by DEC. Instructions on the use of NetDMR can be found at: How To Complete And Submit Discharge Monitoring Reports (DMRs) - NYSDEC. **Hardcopy paper DMRs will only be accepted if a waiver from the electronic submittal requirements has been granted by DEC to the facility.**

Attach the monthly "Wastewater Facility Operation Report" (form 92-15-7) and any required DMR attachments electronically to the DMR or with the hardcopy submittal.

The first monitoring period begins on the effective date of this permit, and, unless otherwise required, the reports are due no later than the **28th day of the month** following the end of each monitoring period.

C. Additional information required to be submitted by this permit shall be summarized and reported to the Regional Water Engineer and Bureau of Water Permits at the following addresses:

Department of Environmental Conservation
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233-3505 Phone: (518) 402-8111

Department of Environmental Conservation
Regional Water Engineer, Region 8
6274 E. Avon-Lima Road, Avon, New York, 14414-9519 Phone: (585) 226-5450

D. Bypass and Sewage Pollutant Right to Know Reporting: In accordance with the Sewage Pollutant Right to Know Act (ECL § 17-0826-a), Publicly Owned Treatment Works (POTWs) are required to notify DEC and Department of Health within two hours of discovery of an untreated or partially treated sewage discharge and to notify the public and adjoining municipalities within four hours of discovery. Information regarding reporting and other requirements of this program may be found on the DEC's website. In addition, POTWs are required to provide a five-day incident report and supplemental information to the DEC in accordance with Part 750-2.7(d) by utilizing the Division of Water Report of Noncompliance Event form unless waived by DEC on a case-by-case basis.

E. Schedule of Additional Submittals:

The permittee shall submit the following information to the Regional Water Engineer and to the Bureau of Water Permits, unless otherwise instructed:

SCHEDULE OF ADDITIONAL SUBMITTALS		
Outfall(s)	**Required Action**	**Due Date**
001	EMERGING CONTAMINANT SHORT-TERM MONITORING PROGRAM The permittee shall collect grab samples of both the influent and effluent from the facility's treatment system(s) associated with the identified outfall for Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane (1,4-D), unless permittee receives written notification from the DEC during this time that sampling can be discontinued. Samples must be analyzed utilizing EPA method 1633 and EPA Method 8270D SIM or 8270E SIM, respectively. The samples must represent normal discharge conditions and treatment operations and shall be obtained on a quarterly basis for at least 4 consecutive quarters, unless written notification from the DEC indicates otherwise. Emerging Contaminants results must be reported utilizing the template provided and should be kept on file with the permittee until all 4 sampling event results are obtained. Once all 4 sampling event results are received, they shall be reported together to the DEC through the "Emerging Contaminants Survey for POTWs" found at: Emerging Contaminants In NY's Waters - NYSDEC. The template, instructions for the laboratory, and chain of custody form are also available at this link. If results indicate the presence of Emerging Contaminants, the permittee shall initiate track down of potential sources by completing the "Emerging Contaminants Investigation Checklist for POTWs" available at the above link. The DEC may periodically request updates or additional monitoring to check progress on track down investigations. Elements of the checklist may be used as permit conditions in future permit modifications.	EDP + 18 months Within 90 days of DEC written notification
001	ANNUAL FLOW CERTIFICATION The permittee shall submit an Annual Flow Certification form each year in accordance with 750-2.9(C)(4). The form shall be attached to the February DMR or submitted through nForm.	February DMR (March 28th)
001	MERCURY - CONDITIONAL EXCLUSION CERTIFICATION Permittee must submit a mercury conditional exclusion certification every five years in order to maintain MMP Type IV status. As part of the certification the permittee will be required to sample the effluent and measure <12 ng/L.	10/24/2029, and every 5 years thereafter
001	TOTAL DISSOLVED SOLIDS MINIMIZATION PROGRAM ANNUAL REPORT The permittee shall submit an annual status report, in accordance with TDS Minimization Program for Municipal Facilities on page 8 of this SPDES permit.	2/1/2027 and each year thereafter

Unless noted otherwise, the above actions are one-time requirements.

F. Monitoring and analysis shall be conducted using sufficiently sensitive test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

G. More frequent monitoring of the discharge(s), monitoring point(s), or waters of the State than required by the permit, where analysis is performed by a certified laboratory or where such analysis is not required to be performed by a certified laboratory, shall be included in the calculations and recording of the data on the corresponding DMRs.

H. Calculations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

I. Unless otherwise specified, all information recorded on the DMRs shall be based upon measurements and sampling carried out during the most recently completed reporting period.

J. Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be directed to the New York State Department of Health, Environmental Laboratory Accreditation Program.

SPDES Permit Fact Sheet
Village of Oakfield
Village of Oakfield Sewage Treatment Plant
NY0023639

NEW YORK STATE | Department of Environmental Conservation

Contents

Summary of Permit Changes

A State Pollutant Discharge Elimination System (SPDES) EBPS permit renewal has been drafted for the Village of Oakfield Sewage Treatment Plant. The changes to the permit are summarized below:

- Updated stream classification from Class D to Class C in accordance with 6 NYCRR 847-690. This is an intermittent stream with a flow less than 0.1 cfs. It flows into a ponded waterbody.
- Reduced the plant design flow from 0.5 MGD to 0.34 MGD because secondary treatment design capacity is limited to 0.34 MGD.
- Changed limit for pH from 6.0 - 9.0 to 6.5 – 8.5.
- Added phosphorus limits with a compliance schedule to achieve effluent limits and added an interim effluent limit to monitor Phosphorus. Phosphorus removal will add 8 pts. to the plant score for a total of 69 points, remaining a Grade 3A in accordance with 6 NYCRR 650.3.
- Ammonia limits were reduced and are seasonal limits now. Converted Ammonia (as NH_3) to Ammonia (as N).
- Added Quarterly Nitrite monitoring
- Added the following requirements in a new Schedule of Submittals:
  - Emerging Contaminant Short-Term Monitoring Program
  - Mercury Minimization Program Annual Status Report (maintained onsite), and re-certification of the exclusion every five years
  - Annual Flow Certification form
  - Total Dissolved Solids Minimization Program (TDS MP) Annual Status Report
- Added a Quarterly Total Dissolved Solids limit with a compliance schedule and an interim limit to monitor because they will not be able to meet the limit right away and will need time to track down sources.
- Removed the WET-1 outfall limits because the high flow auxiliary train (microscreen bypass) receives preliminary treatment and primary treatment from the microscreen, bypasses secondary and tertiary treatment, and then recombines with plant effluent in the manhole ahead of UV disinfection. Combined flows are disinfected and discharged from the same outfall (001).
- Added Best Management Practices and Requirements applicable to the wet weather bypass (Microscreen).
- Added TDS Minimization Program for Municipal Facilities

This fact sheet summarizes the information used to determine the effluent limitations (limits) and other conditions contained in the permit. General background information including the regulatory basis for the effluent limitations and other conditions are in the Appendix linked throughout this fact sheet.

Administrative History

12/1/1990 The last full technical review was performed and the SPDES permit became effective with a new five-year term and expiration date of 12/1/1995. The 1990 permit, along with all subsequent modifications,has formed the basis of this permit.

The permit was administratively renewed in 1995, 2000, 2005, 2010 and again in 2015. The current permit administrative renewal is effective until 11/30/2020.

12/1/2020 The current permit was allowed to stay in effect pursuant to SAPA[1].

1/1/2018 Permit was modified to include Disinfection requirements and Low-priority Mercury minimization program language.

5/9/2024 DEC issued a Request for Information (RFI) to modify and renew the SPDES permit due to the facility's EBPS score[2]. At the time of the RFI, the facility had an EBPS score of 332 and ranking of 1.

10/24/2024 The Village of Oakfield submitted a NY-2A permit application.

The Notice of Complete Application, published in the Environmental Notice Bulletin and newspapers, contains information on the public notice process.

Facility Information

This facility is a publicly owned treatment works that receives flow from domestic users, with effluent consisting of treated sanitary. The collection system consists of separate sewers. The facility does not have any significant industrial users (SIUs).

The current 0.5 MGD permitted design flow was based on having the microscreen bypass for wet weather events, actual design treatment capacity (based on secondary treatment design capacity) for average daily flows is 0.34 MGD. The treatment plant consists of:

- Preliminary Treatment: Mechanical bar screen, automatic Pista Grit with screw pump and chamber
- Primary Treatment: none
- Secondary Treatment: Activated sludge/center clarifier
- Tertiary Treatment: Sand filtration, post aeration
- High flow auxiliary train: microscreen for flows over 0.34 MGD
- Disinfection: UV

Sludge is poured to drying beds and hauled to landfill. They also have two reed beds for sludge. Sludge was removed from bed #2 in 2018.

The primary outfall (Outfall 001) was constructed circa 1989 and consists of approximately 3900 LF of 18" gravity sewer with manholes, running northward from the WWTF to the bank of Dry Brook (Trib to Oak Orchard Creek). According to a hydraulic analysis performed by Mountain Engineering, this line has the capacity to handle a peak flow of 3.0 MGD. There is a separate collection system for stormwater discharge to tributary of Oak Orchard Creek. Outfall 001 is also used for wet weather flows via the high flow auxiliary train (microscreen). The microscreen has not been used in the last five years and was only used twice since 2015. In both instances, sample results were below the current outfall 001 effluent limits. The high flow auxiliary train is controlled by a manual gate in the secondary influent structure/Parshall Flume (after preliminary treatment). When the gate is open, excess flow bypasses secondary and tertiary treatment and goes through the microscreen which acts as primary treatment. Effluent from the microscreen combines with plant effluent in the manhole ahead of UV disinfection. In that manhole, there are two gates; one

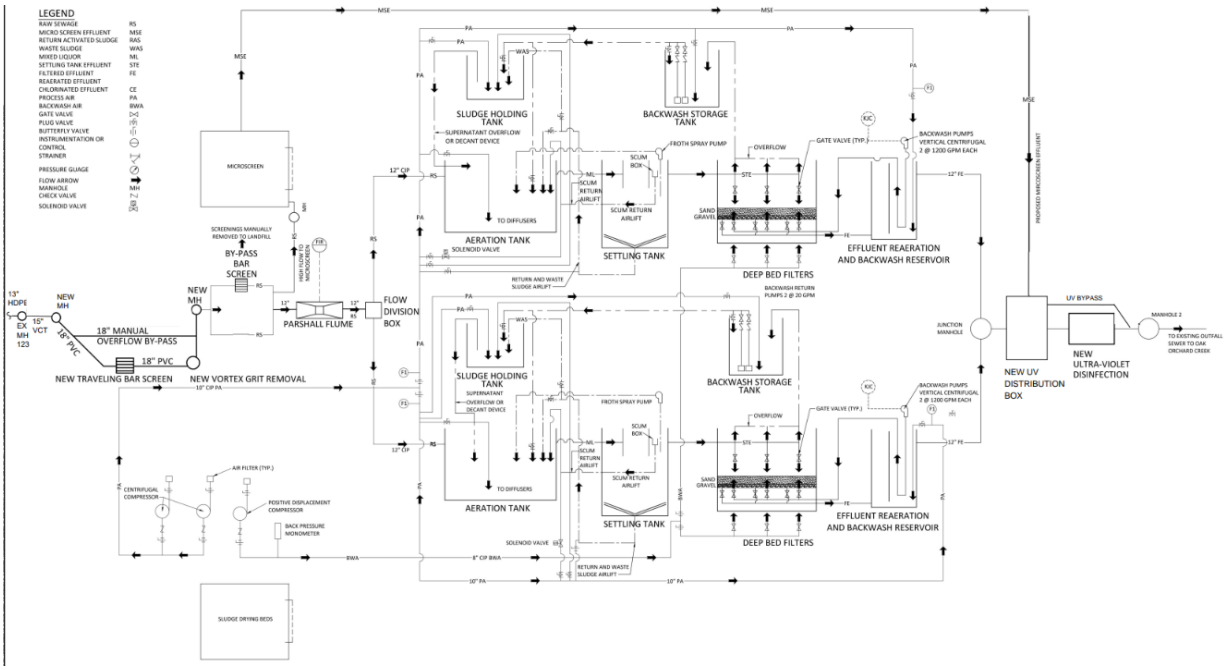
[1] State Administrative Procedures Act Section 401(2) and 6 NYCRR 621.11(*l*)
[2] Pursuant to 6 NYCRR 750-1.18 and NYS Environmental Benefit Permit Strategy (EBPS)

goes through the UV system and the other gate bypasses the UV system. The operators only use the bypass when they must work on the UV system, otherwise the gate is closed to the bypass. Even during winter months, flow goes through the UV system; the bulbs are only turned on during disinfection season.

The facility is planning the following potential upgrades/improvements:

- Potential expansion of Sewer waste from STAMP. The Village of Oakfield will not accept any industrial waste from STAMP site. The line will be a force main with an EQ Tank at the WWTP. The EQ tank should provide screening ahead of it. Anticipated start of project, running of the force main, is planned for Summer 2025.
- Phosphorus removal/ chemical addition.
- Sludge handling facilities (addition of a press) (no anticipated date, this is a potential upgrade in the future)

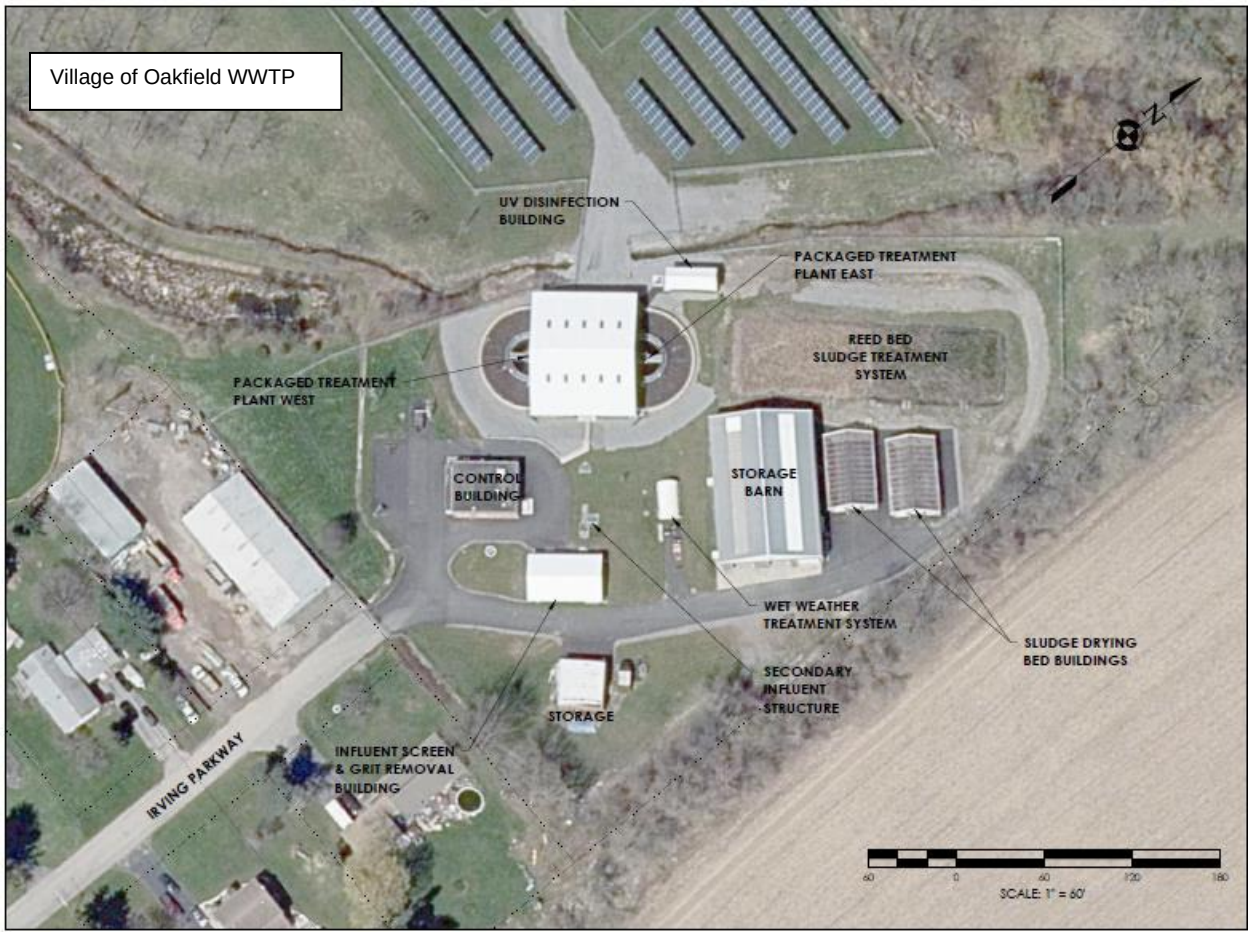
Process Flow Diagram:



The facility accepts wastewater from the following municipalities:

Municipality	POSS # or SPDES #	Collection System
Village of Oakfield	NY0023639	Separate

Site Overview



Enforcement History

Compliance and enforcement information can be found on the EPA's Enforcement and Compliance History Online (ECHO) website.

Existing Effluent Quality

The Pollutant Summary Table presents the existing effluent quality and effluent limitations. The existing effluent quality was determined from Discharge Monitoring Reports and the application submitted by the permittee for the period 1/1/2020 to 11/30/2024.

Interstate Water Pollution Control Agencies

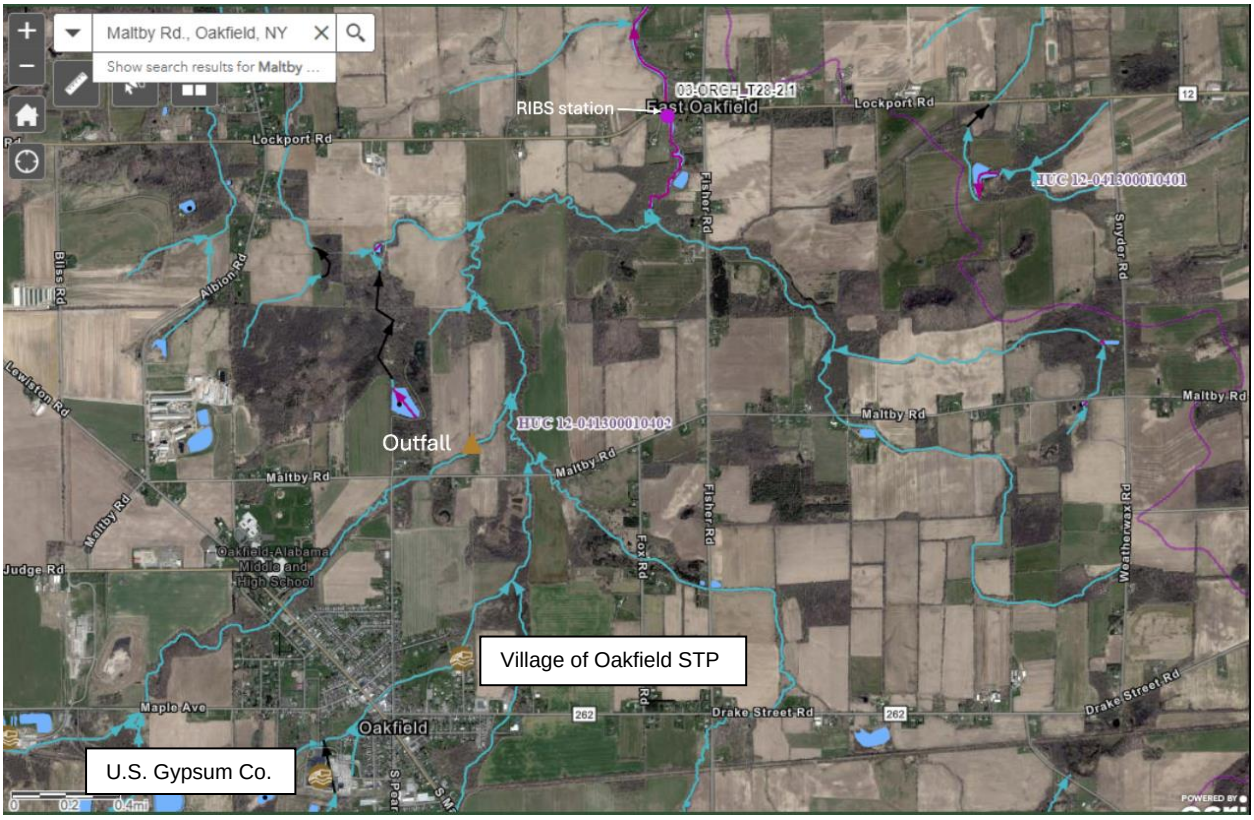
Outfall(s) 001 is located within the Great Lakes watershed and International Joint Commission (IJC) compact area which places additional requirements in the SPDES permit. Appendix Link

Receiving Water Information

The facility discharges via the following outfalls:

Outfall No.	SIC Code	Wastewater Type	Receiving Water
001	4952	Treated Sanitary Sewage	Dry Brook (Trib of Oak Orchard), Class C

Reach Description: The outfall is approximately 0.7 miles north of the WWTP (0.1 miles North of Maltby Rd.), where it discharges to Dry Brook (reg 847-690), a tributary of Oak Orchard Creek, Class C. The Dry Brook stream is with a standard of C per with 6 NYCRR 847-690. This is an intermittent stream with a flow less than 0.1 cfs. It flows into a Great Lake. Approximately 1.76 miles upstream of the outfall it converges with an unnamed tributary, Class C (Reg. 847-691), and 2.3 miles upstream of the outfall, U.S. Gypsum Co. (NY0001562) discharges to the same tributary as the Village of Oakfield STP, Class C (Reg. 847-690). Approximately 0.18 miles downstream of the outfall, the tributary converges with another unnamed tributary, Class C (Reg. 847-688). Approx. 0.68 miles downstream of the outfall, another unnamed tributary, Class C (Reg. 847-689) converges with the stream. Approx. 1.08 miles downstream from the outfall it converges with an unnamed tributary, Class C (Reg. 847-689). Approx. 1.81 miles downstream it converges with an unnamed tributary, Class C (Reg. 847-689). Approximately 2.2 miles downstream where it crosses Lockport Rd., is a RIBS station (03-ORCH_T28-2.1).



See the Outfall and Receiving Water Summary Table and Appendix for additional information.

Impaired Waterbody Information

The Oak Orchard Cr, Upper, and tribs segment (PWL No. 0301-0014) was first listed on the 2018 New York State Section 303(d) List of Impaired/TMDL Waters as impaired due to Phosphorus for the following best uses: fishing and secondary contact recreation; determined from historical data sources. The segment continues to be listed as of the 2018 NYS Section 303(d) List. A TMDL has not been developed to address the impairment and, therefore, there are no applicable wasteload allocations (WLAs) for this facility.

Critical Receiving Water Data & Mixing Zone

The stream classification from is listed as Class C in accordance with 6 NYCRR 847-690. This is an intermittent stream with a flow less than 0.1 cfs. It flows into a ponded waterbody.

The 1Q10, 7Q10, and 30Q10 flows were used to calculate the acute, chronic, and human, aesthetic, wildlife (HEW) dilution ratios, respectively.

Dilution Ratio = (Facility Flow + Low Flow) / Facility Flow

Outfall No.	Acute Dilution Ratio A(A)	Chronic Dilution Ratio A(C)	Human, Aesthetic, Wildlife Dilution Ratio (HEW)	Basis
001	1:1	1:1	1:1	TOGS 1.3.1 ISEL Limits

The 7Q10 low-flow condition of the stream was found to be less than 0.1 CFS as drainage area is very small, this is consistent with how the permit was written previously. Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) apply for flows <0.1 CFS, and the water quality standards will be applied as end-of-pipe limitations with no mixing or dilution.

Critical receiving water data are listed in the Pollutant Summary Table at the end of this fact sheet.
Appendix Link

Permit Requirements

The technology based effluent limitations (TBELs), water quality-based effluent limitations (WQBELs), Existing Effluent Quality and a discussion of the selected effluent limitation for each pollutant present in the discharge are provided in the Pollutant Summary Table.

Anti-backsliding

The limitations contained in the permit are at least as stringent as the previous permit limits and there are no instances of backsliding.
Appendix Link

Antidegradation

The permit contains effluent limitations which ensure that the best usages of the receiving waters will be maintained. The Notice of Complete Application published in the Environmental Notice Bulletin contains information on the State Environmental Quality Review (SEQR)[3] determination.
Appendix Link

[3] As prescribed by 6 NYCRR Part 617

Discharge Notification Act Requirements

In accordance with the Discharge Notification Act (ECL 17-0815-a), the permittee is required to post a sign at each point of wastewater discharge to surface waters, unless a waiver is obtained. This requirement is being continued from the previous permit.

Additionally, the permit contains a requirement to make the DMR sampling data available to the public upon request. This requirement is being continued from the previous permit.

Mercury[4]

The multiple discharge variance (MDV) for mercury provides the framework for DEC to require mercury monitoring and mercury minimization programs (MMPs), through SPDES permitting. Appendix Link

The facility is located in the Lake Ontario drainage basin but is a minor municipal facility classified as (07). This facility does not have any known Mercury sources. On 10/24/2024, the permittee submitted a Conditional Exclusion Certification, certifying that the facility does not have any of the mercury sources listed in Part III.A.3. of DOW 1.3.10 and the effluent measured <12 ng/L. Therefore, consistent with DOW 1.3.10, the permit includes requirements for the implementation of MMP Type IV and does not include mercury effluent limitations. The Schedule of Additional Submittals includes a mercury minimization plan annual status report (maintained onsite), and re-certification of the exclusion every five years. As part of the re-certification, the effluent must be sampled and continue to measure <12 ng/L. This requirement is updated from the previous permit.Schedule of Compliance

A Schedule of Compliance is being included[5] for the following items (Appendix Link):

- Compliance period for attainment of final effluent limits at Outfall 001 for phosphorus. The limit is new and a major modification to the treatment facility or operations may be needed and will take a significant amount of time to properly plan, design, fund, and build.
- Compliance period for attainment of final effluent limits at Outfall 001 for total dissolved solids. The limit is new, and it will take time to track down sources to reduce TDS and meet the new TDS effluent limit.

Emerging Contaminant Monitoring

Emerging Contaminants, such as Perfluorooctanoic acid (PFOA), Perfluorooctanesulfonic acid (PFOS), and 1,4-Dioxane (1,4-D), have been used in a wide variety of consumer and industrial product as well as in manufacturing processes for decades. These contaminants do not break down easily, therefore their presence in wastewater can remain a concern for years following their discontinued use. As the science surrounding these contaminants is still evolving, additional monitoring is needed to better understand potential sources and background levels. For more information on emerging contaminants, please see the DEC Division of Water web page: https://www.dec.ny.gov/chemical/127939.html.

Pursuant to 6 NYCRR Part 750-1.13(b), the permit includes a short-term monitoring program listed in the Schedule of Additional Submittals to evaluate the influent and effluent discharge

[4] In accordance with DOW 1.3.10 Mercury – SPDES Permitting & Multiple Discharge Variance (MDV), December 30, 2020.
[5] Pursuant to 6 NYCRR 750-1.14

levels of Per-and Polyfluoroalkyl Substances (PFAS) and 1,4-Dioxane. This monitoring program is consistent with guidance released in EPA guidance memos dated April 28, 2022, and December 5, 2022.

The DEC will review the monitoring results and pursuant to 6 NYCRR 750-2.1(i) may notify the permittee of the need for further monitoring to identify potential sources as specified in the Emerging Contaminants Investigation Checklist for POTWs to determine whether cause exists to modify the permit to incorporate a pollutant minimization program per 6 NYCRR 750-1.14(f).

The DEC will consider this information and progress made to track down and reduce or eliminate the source of the identified pollutants in determining if a permit modification is needed.

Schedule of Additional Submittals

A schedule of additional submittals has been included for the following (Appendix Link):

- Emerging Contaminants short-term monitoring program
- Annual Flow Certification form
- Mercury Minimization Program Annual Status Report (maintained onsite), and re-certification of the exclusion every five years
- Total Dissolved Solids Minimization Program (TDS MP) Annual Status Report, due February 1 of each year

OUTFALL AND RECEIVING WATER SUMMARY TABLE

Outfall	Latitude	Longitude	Receiving Water Name	Water Class	Water Index No. / Priority Waterbody Listing (PWL) No.	Major / Sub Basin	Hardness (mg/l)	1Q10 (MGD)	7Q10 (MGD)	30Q10 (MGD)	Critical Effluent Flow (MGD)	Dilution Ratio		
												A(A)	A(C)	HEW
001	43° 04' 48" N	78° 15' 52" W	Dry Brook, Trib of Oak Orchard Creek	C	ONT 138-28-2 PWL: 0301-0014	03/01	1430[6]	Intermittent Stream Flow <0.1 cfs			0.34	1:1	1:1	1:1

POLLUTANT SUMMARY TABLE

Outfall 001

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection														
Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement	
			Permit Limit	Existing Effluent Quality[7]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL			
General Notes: Existing discharge data from January 1, 2020 to November 30, 2024 was obtained from Discharge Monitoring Reports provided by the permittee. Mercury data obtained from NY-2A application. All applicable water quality standards were reviewed for development of the WQBELs. The standard and WQBEL shown below represent the most stringent.																
Flow Rate	MGD	Monthly Avg	0.5	0.12 Actual Average	59/0	**0.34**	Design Flow	No alterations that will impair the waters for their best usages.					703.2	-	Design Flow	
		Daily Max	-	-	-	**Monitor**	750-1.13 Monitor							-	Monitor	
	The flow limit is set at the design flow of the wastewater treatment facility. The existing permit has a design flow of 0.5 MGD, however, the actual capacity of secondary treatment is 0.34 MGD; 0.5 MGD is based on the addition of the microscreen for wet weather flow. Therefore, the design flow has been reduced to the existing capacity of the secondary treatment system.															
pH	SU	Minimum	6.0	6.4 Actual Min	59/0	6.0	TOGS 1.3.3	-	-	6.5 – 8.5	Range	**6.5 - 8.5**	703.3	-	ISEL	
		Maximum	9.0	8.2 Actual Max	59/0	9.0										
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. As such, the water quality standards will be applied as end-of-pipe limitations with no mixing or dilution.															

[6] Ambient hardness was calculated from RIBs station 03-ORCH_T28-2.1, located ~2 miles downstream, using 1 sample collected from in 2020

[7] Existing Effluent Quality: Unless otherwise stated, Daily Max = 99% lognormal; Monthly Avg = 95% lognormal (for datasets with ≤3 nondetects); Daily Max = 99% delta-lognormal; Monthly Avg = 95% delta-lognormal (for datasets with >3 nondetects)

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection														
Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement	
			Permit Limit	Existing Effluent Quality[7]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL			
Temperature	°C	Daily Max	monitor	25 Actual Max	59/0	**monitor**	750-1.13 Monitor	(Non-Trout): The water temperature at the surface of a stream shall not be raised to more than 90F at any point and... shall not be raised or lowered to more than 5F over the temperature that existed before the addition					704.2	-	Monitor	
	Consistent with 6 NYCRR 750-1.13(a), monitoring is required and may be used to inform future permitting decisions. This requirement is continued from the previous permit.															
Dissolved Oxygen (DO)	mg/L	Daily Min	7.0	7.0	59/0	7.0	TOGS 1.3.1	-	-	(Non-Trout) 4.0 mg/L	Narrative	**7.0**	703.3	-	ISEL	
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. These limits represent the highest degree of treatment that can reasonably be achieved by a wastewater treatment facility treating domestic type waste.															
5-day Carbonaceous Biochemical Oxygen Demand ($CBOD_5$)	mg/L	Daily Max	5	7.3	59/0	5	TOGS 1.3.1	-	DO= 7.0 Surrogate Standard			**5.0 mg/L Daily Max**	703.3	-	ISEL	
	lbs/d	Daily Max	21.0	9.2	59/0	21	TOGS 1.3.3					**21**				
	% Rem	Minimum	85	95	59/0	85	40 CFR Part 133.102					**85**				
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. These limits represent the highest degree of treatment that can reasonably be achieved by a wastewater treatment facility treating domestic type waste. These limits are more stringent than the secondary treatment standards under 40CFR Part 133.102.															
Total Suspended Solids (TSS)	mg/L	Daily Max	10	8.0	59/0	10	TOGS 1.3.1	-	None from sewage, industrial wastes or other wastes that will cause deposition or impair the waters for their best usages. (703.2)			**10 mg/L Daily Max**	703.2	-	ISEL	
	lbs/d	Daily Max	42.0	9.1	59/0	42	TOGS 1.3.3					**42**				
	% Rem	Minimum	85	94	59/0	85	40 CFR Part 133.102					**85**				
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. These limits represent the highest degree of treatment that can reasonably be achieved by a wastewater treatment facility treating domestic type waste. These limits are more stringent than the secondary treatment standards under 40CFR Part 133.102.															
Settleable Solids	mL/L	Daily Max	0.1	<0.1	0/59	**0.1**	TOGS 1.3.1	-	None from sewage, industrial wastes or other wastes that will cause deposition or impair the waters for their best usages. (703.2)				703.2	-	TBEL	

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection														
Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement	
			Permit Limit	Existing Effluent Quality[7]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL			
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. These limits represent the highest degree of treatment that can reasonably be achieved by a wastewater treatment facility treating domestic type waste. These limits are more stringent than the secondary treatment standards under 40CFR Part 133.102.															
Nitrogen, Ammonia (as N)	mg/L	Daily Max	2.0 (as NH_3)	0.54 (as NH_3)	53/6	-	-	-	-	1.2	A(C)	**1.2 SUMMER 6/1 – 10/31**	703.5	-	WQBEL	
	mg/l	Daily Max	-	-	-	-	-	-	-	1.8	A(C)	**1.8 WINTER 11/1 – 5/31**				
	Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. As such, the water quality standards will be applied as end-of-pipe limitations with no mixing or dilution. The WQS for Ammonia was determined from TOGS 1.1.1 for a pH of 7.5 and temperatures of 25°C (default values-TOGS 1.3.1E) for summer. The WQS for Ammonia was determined from TOGS 1.1.1 for a pH of 7.5 and temperatures of 10°C (default values-TOGS 1.3.1E) for winter															
Total Mercury	ng/L	Daily Max	-	1.4	3/0	-	-	-	-	0.7	H(FC)	-	-	-	DOW 1.3.10	
	See Mercury section of this fact sheet, MMP Type IV is applicable.															
Coliform, Fecal	#/100 ml	30d Geo Mean	200	9.14	17/0	**200**	TOGS 1.3.3	-	The monthly geometric mean, from a minimum of five examinations, shall not exceed 200.				703.4	-	TBEL	
		7d Geo Mean	400	259.4	17/0	**400**	TOGS 1.3.3	-								
	Consistent with TOGS 1.3.3, effluent disinfection is required seasonally from May 1st - October 31st, due to the class of the receiving waterbody. Fecal coliform limits equal to the TBEL are specified.															
Additional Pollutants Detected																
Total Phosphorus	mg/l	Daily Max	-	4.09	3/0	0.5	TOGS 1.3.6	-	-	0.5	A(C)	**0.5**	703.2	-	WQBEL	
	Based on TOGS 1.3.6, a limit of 0.5 mg/L is applicable since this facility has tertiary treatment, is in the Lake Ontario drainage basin, and discharges to Oak Orchard Creek, Upper, and Tribs which is confirmed Impaired for Phosphorus.															
Chloroform	µg/L	Daily Max	-	0.54	1/2	-	-	-	-	-	-	-	-	-	**No Limitation or Monitoring**	
	A numeric water quality standard for does not exist for Class C waterbodies. Therefore, no limitation or monitoring has been specified.															

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection													
Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[7]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL		
Phenol	µg/L	Daily Max	-	1.49	3/0	-	-	-	4.5	5.0	E(FS)	No Reasonable Potential	703.5	-	**No Limitation or Monitoring**
	The projected instream concentration was calculated using the maximum measured effluent concentration of 1.49 ug/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A comparison of the projected instream concentration to the WQS indicates no reasonable potential to cause or contribute to a WQS violation. Therefore, no WQBEL has been specified.														
Total Copper	µg/L	Daily Max	-	17.8	3/0	-	-	-	51	87	A(C)	No Reasonable Potential	703.5	-	**No Limitation or Monitoring**
	The projected instream concentration was calculated using the maximum measured effluent concentration of 17.8 ug/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A metals translator of 1.042 was also applied to convert between the total and dissolved form in accordance with the EPA Document 823-B-96-007. A comparison of the projected instream concentration to the WQS indicates no reasonable potential to cause or contribute to a WQS violation. Therefore, no WQBEL has been specified.														
Total Zinc	µg/L	Daily Max	-	66	3/0	-	-	-	190	790	A(C)	No Reasonable Potential	703.5	-	**No Limitation or Monitoring**
	The projected instream concentration was calculated using the maximum measured effluent concentration of 66 ug/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A metals translator of 1.014 was also applied to convert between the total and dissolved form in accordance with the EPA Document 823-B-96-007. A comparison of the projected instream concentration to the WQS indicates no reasonable potential to cause or contribute to a WQS violation. Therefore, no WQBEL has been specified.														
Total Cyanide	µg/L	Daily Max	-	1.0	1/2	-	-	-	3.0	5.2	A(C)	No Reasonable Potential	703.5	-	**No Limitation or Monitoring**
	The projected instream concentration was calculated using the maximum measured effluent concentration of 1.0 ug/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A comparison of the projected instream concentration to the WQS indicates no reasonable potential to cause or contribute to a WQS violation. Therefore, no WQBEL has been specified.														
Total Arsenic	mg/L	Daily Max	-	0.0022	2/1	-	-	-	0.0066	0.15	A(C)	No Reasonable Potential	703.5	-	**No Limitation or Monitoring**
	The projected instream concentration was calculated using the maximum measured effluent concentration of 0.0022 mg/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A comparison of the projected instream concentration to the WQS indicates no reasonable potential to cause or contribute to a WQS violation. Therefore, no WQBEL has been specified.														

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection														
Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement	
			Permit Limit	Existing Effluent Quality[7]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL			
Total Phenols (Phenolics)	µg/L	Daily Max	-	15	1/3	-	-	-	-	5	E(FS)	-	703.5	-	**No Limitation or Monitoring**	
	The maximum measured effluent concentration was 15 ug/L. At the time of the application sampling, oil residuals from a spill in the collection system was going through the plant and it is believed that this caused the 1 detection as a subsequent sample, taken 5/22/25 once the oil residue had cleared the plant, was non-detect. The one detection also had a J qualifier, which meant that the result was estimated as it was above the method detection limit but below the reporting limit. Therefore, no limitation or monitoring is required.															
Total Dissolved Solids	mg/l	-	-	600	3/0	-	-	-	1800	500	A(C)	**500**	703.3	-	WQBEL	
	The projected instream concentration was calculated using the maximum measured effluent concentration of 600 mg/L, a multiplier of 3, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A comparison of the projected instream concentration to the WQS indicates a reasonable potential to cause or contribute to a WQS violation and therefore a WQBEL has been specified. A TDS Minimization Program has also been included to track and reduce contributions.															
Total Residual Chlorine (TRC)	mg/l	Daily Max	0.020	ND	0/3	-	-	-	-	0.005	A(C)	0.005	703.5	**0.03**	ML	
	Facility uses Ultraviolet disinfection and does not use chlorine at this facility. However, TRC limit is suggested when no UV disinfection is used during maintenance. Effluent disinfection is currently required seasonally and will remain a permit requirement. Consistent with TOGS 1.3.1, intermittent stream effluent limits (ISEL) are applied to effluent discharges to streams where little or no streamflow is available for dilution. As such, the water quality standards will be applied as end-of-pipe limitations with no mixing or dilution. The ML for TRC was recently increased during EPA's Method Update Rule for 40 CFR 136 from 0.02 mg/L to 0.03 mg/L. As such, the increase from 0.02 to 0.03 mg/L does not violate anti-backsliding requirements.															
Oil & Grease	mg/l	Daily Max	-	1.3	1/2	-	-	-	No residue attributable to sewage, industrial wastes or other wastes, nor visible oil film nor globules of grease.				703.2	-	**No Limitation or Monitoring**	
	Used the maximum value reported in Table B of the NY-2A application. No residue attributable to sewage, industrial wastes or other wastes, nor visible oil film nor globules of grease. Of the 3 samples, there was only 1 detection, and the result was estimated as it was above the method detection limit but below the reporting limit, therefore, no limitation or monitoring are specified.															
Nitrogen, Nitrate	mg/l	Daily Max	-	39	3/0	-	-	-	-	-	-	-	-	-	**No Limitation or Monitoring**	
	Used the maximum value reported in Table B of the NY-2A application. A numeric water quality standard for does not exist for Class C waterbodies. Therefore, no limitation or monitoring is specified.															
Nitrogen, Nitrite	mg/l	Daily Max	-	0.06	4/0	**Monitor**	750-1.13 Monitor	-	0.16	0.1	A(C)	-	703.5	-	Monitoring	

Outfall #	001	**Description of Wastewater:** Treated Sanitary Sewage **Type of Treatment:** Screening and Grit Removal, Activated Sludge, Final Clarification, Sand Filtration, Post Aeration, UV Disinfection													
Effluent Parameter	Units	Averaging Period	Existing Discharge Data: Permit Limit	Existing Discharge Data: Existing Effluent Quality[7]	Existing Discharge Data: # of Data Points Detects / Non-Detects	TBELs: Limit	TBELs: Basis	Water Quality Data & WQBELs: Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis for WQBEL	ML	Basis for Permit Requirement
	The projected instream concentration was calculated using the maximum measured effluent concentration of 0.060 mg/L, a multiplier of 2.6, the chronic dilution ratio, and an assumed negligible upstream ambient concentration. The multiplier was selected from EPA's Technical Support Document Chapter 3.3 to account for the number of samples. A comparison of the projected instream concentration to the WQS indicates a reasonable potential to cause or contribute to a WQS violation. However, of the 4 samples, 3 of the results were estimated as they were above the method detection limit but below the reporting limit, therefore, monitoring is specified.														
Nitrogen, Total Kjeldahl (TKN)	mg/l	-	-	1.59	2/1	-	-	-	-	-	-	-	-	-	**No Limitation or Monitoring**
	Used the maximum value reported in Table B of the NY-2A application. A numeric water quality standard for does not exist for Class C waterbodies. Therefore, no limitation or monitoring is specified.														
Total Nitrogen	mg/l	-	-	39	3/0	-	-	-	-	-	-	-	-	-	**No Limitation or Monitoring**
	Used the maximum value reported in Table B of the NY-2A application. A numeric water quality standard for does not exist for Class C waterbodies. Therefore, no limitation or monitoring is specified.														

Emerging Contaminants Outfall 001															
Effluent Parameter	Units	Averaging Period	Existing Discharge Data: Permit Limit	Existing Discharge Data: Existing Effluent Quality[8]	Existing Discharge Data: # of Data Points Detects / Non-Detects	TBELs: Limit	TBELs: Basis	Water Quality Data & WQBELs: Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis	ML	Basis for Permit Requirement
Notes: See Emerging Contaminant Monitoring section above. Effluent samples were analyzed for the 40 PFAS compounds and 1,4-Dioxane.															
Perfluoro-butanoic Acid (PFBA)	ng/L	Daily Max	-	18.3	2/1	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-pentanoic Acid (PFPeA)	ng/L	Daily Max	-	138	2/1	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	74.2	3/0	-	-	-	-	-	-	-	-	-	**STMP**

[8] Existing Effluent Quality: Unless otherwise stated, Daily Max = 99% lognormal; Monthly Avg = 95% lognormal (for datasets with ≤3 nondetects); Daily Max = 99% delta-lognormal; Monthly Avg = 95% delta-lognormal (for datasets with >3 nondetects)

Emerging Contaminants Outfall 001

Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[8]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis		
Perfluoro-hexanoic Acid (PFHxA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	5.76	2/1	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-heptanoic Acid (PFHpA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	18.1	2/1	**10** Action Level	BPJ MCL	-	-	-	-	-	-	-	**STMP**
Perfluoro-octanoic Acid (PFOA)	Due to the presence of PFOA and the need to protect downstream waters, an action level has been established at the NYSDOH Maximum Contaminant Level (MCL) for finished drinking water (10 ng/L). Discharges above the MCL would indicate the potential presence of a controllable source and the need to implement track down measures. See the Emerging Contaminant section for more information. **UPDATE**: On 3/25/2025 DEC was notified that the EC samples were taken with Nalgene bottles which could interfere with the sample results. The permittee also conducted composite sampling instead of grab samples. An Emerging Contaminants Short-term Monitoring Program is proposed to confirm if additional requirements are necessary for water quality protection.														
	ng/L	Daily Max	-	3.03	2/1	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-nonanoic Acid (PFNA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	0.682	1/2	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-decanoic Acid (PFDA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-undecanoic Acid (PFUnA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-dodecanoic Acid (PFDoA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-tridecanoic Acid (PFTrDA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-tetradecanoic Acid (PFTeA)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
	ng/L	Daily Max	-	15.9	2/1	-	-	-	-	-	-	-	-	-	**STMP**
Perfluoro-butanesulfonic Acid (PFBS)	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														

Emerging Contaminants Outfall 001

Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[8]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis		
Perfluoro-pentanesulfonic Acid (PFPeS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-hexanesulfonic Acid (PFHxS)	ng/L	Daily Max	-	1.61	2/1	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-heptanesulfonic Acid (PFHpS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-octanesulfonic Acid (PFOS)	ng/L	Daily Max	-	5.43	2/1	**10** Action Level	-	-	-	160,000	A(C)	No RP	TOGS 1.1.1	-	**STMP**
	Detections for PFOS are under the human health guidance values (10 ng/L). An action level has been established at the NYSDOH Maximum Contaminant Level (MCL) for finished drinking water (10 ng/L) because an action level was triggered for PFOA, per Emerging Contaminants Division of Water. No reasonable potential (RP) to exceed WQS**. UPDATE**: On 3/25/2025 DEC was notified that the EC samples were taken with Nalgene bottles which could interfere with the sample results. The permittee also conducted composite sampling instead of grab samples. An Emerging Contaminants Short-term Monitoring Program is proposed to confirm if additional requirements are necessary for water quality protection.														
Perfluoro-nonanesulfonic Acid (PFNS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-decanesulfonic Acid (PFDS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-dodecane-sulfonic Acid (PFDoS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-octane-sulfonamide (FOSA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														

Emerging Contaminants Outfall 001

Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[8]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis		
N-methyl Perfluoro-octanesulfon-amidoacetic Acid (NMeFOSAA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
N-ethyl Perfluoro-octanesulfon-amidoacetic Acid (NEtFOSAA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
4:2 Fluorotelomer Sulfonic Acid (FTS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
6:2 Fluorotelomer Sulfonic Acid (FTS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
8:2 Fluorotelomer Sulfonic Acid (FTS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
N-ethyl Perfluoro-octanesulfon-amide (NEtFOSA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
N-methyl Perfluoro-octanesulfon-amide (NMeFOSA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
N-methyl Perfluoro-octanesulfon-amidoethanol (NMeFOSE)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														

Emerging Contaminants Outfall 001

Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[8]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis		
N-ethyl Perfluoro-octanesulfon-amidoethanol (NEtFOSE)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
9-Chlorohexadeca-fluoro-3-oxanonane-1-sulfonic Acid (9Cl-PF3ONS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Hexafluoro-propylene Oxide Dimer Acid (HFPO-DA or GenX)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic Acid (11Cl-PF3OUdS)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
4,8-Dioxa-3H-perfluorononanoic Acid (ADONA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
3-Perfluoropropyl Propanoic Acid (3:3 FTCA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
2H,2H,3H,3H-Perfluoro-octanoic Acid (5:3 FTCA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														

Emerging Contaminants Outfall 001

Effluent Parameter	Units	Averaging Period	Existing Discharge Data			TBELs		Water Quality Data & WQBELs						ML	Basis for Permit Requirement
			Permit Limit	Existing Effluent Quality[8]	# of Data Points Detects / Non-Detects	Limit	Basis	Ambient Bkgd. Conc.	Projected Instream Conc.	WQ Std. or GV	WQ Type	Calc. WQBEL	Basis		
3-Perfluoroheptyl Propanoic Acid (7:3 FTCA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Nonafluoro-3,6-dioxaheptanoic Acid (NFDHA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-4-methoxy-butanoic Acid (PFMBA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro-3-methoxy-propanoic Acid (PFMPA)	ng/L	Daily Max			0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
Perfluoro(2-ethoxyethane)sulfonic Acid (PFEESA)	ng/L	Daily Max	-	ND	0/3	-	-	-	-	-	-	-	-	-	**STMP**
	A short-term monitoring program has been added to the Schedule of Additional Submittals in the permit.														
1,4-Dioxane	µg/L	Daily Max	-	0.0775	0/3	-	-	-	-	18,000	A(C)	No Reasonable Potential	TOGS 1.1.1	-	-
	No reasonable potential (RP) to exceed WQS. No monitoring is required. 8/21-77.5 ng/L J; 8/22 – 52.6 ng/L J; 8/23 – 69.7 ng/L J														

Appendix: Regulatory and Technical Basis of Permit Authorizations

The Appendix is meant to supplement the fact sheet for multiple types of SPDES permits. Portions of this Appendix may not be applicable to this specific permit.

Regulatory References

The provisions of the permit are based largely upon 40 CFR 122 subpart C and 6 NYCRR Part 750 and include monitoring, recording, reporting, and compliance requirements, as well as general conditions applicable to all SPDES permits. Below are the most common citations for the requirements included in SPDES permits:

- Clean Water Act (CWA) 33 section USC 1251 to 1387
- Environmental Conservation Law (ECL) Articles 17 and 70
- Federal Regulations
  - 40 CFR, Chapter I, subchapters D, N, and O
- State environmental regulations
  - 6 NYCRR Part 621
  - 6 NYCRR Part 750
  - 6 NYCRR Parts 700 - 704 – Best use and other requirements applicable to water classes
  - 6 NYCRR Parts 800 – 941 - Classification of individual surface waters
- NYSDEC water program policy, referred to as Technical and Operational Guidance Series (TOGS)
- USEPA Office of Water Technical Support Document for Water Quality-based Toxics Control, March 1991, Appendix E

The following is a quick guide to the references used within the fact sheet:

SPDES Permit Requirements	Regulatory Reference
Anti-backsliding	6 NYCRR 750-1.10(c)
Best Management Practices (BMPS) for CSOs	6 NYCRR 750-2.8(a)(2)
Environmental Benefits Permit Strategy (EBPS)	6 NYCRR 750-1.18, NYS ECL 17-0817(4), TOGS 1.2.2 (revised January 25,2012)
Exceptions for Type I SSO Outfalls (bypass)	6 NYCRR 750-2.8(b)(2), 40 CFR 122.41
Mercury Multiple Discharge Variance	Division of Water Program Policy 1.3.10 (DOW 1.3.10)
Mixing Zone and Critical Water Information	TOGS 1.3.1 & Amendments
PCB Minimization Program	40 CFR Part 132 Appendix F Procedure 8, 6 NYCRR 750-1.13(a) and 750-1.14(f), and TOGS 1.2.1
Pollutant Minimization Program (PMP)	6 NYCRR 750-1.13(a), 750-1.14(f), TOGS 1.2.1
Schedules of Compliance	6 NYCRR 750-1.14
Sewage Pollution Right to Know (SPRTK)	NYS ECL 17-0826-a, 6 NYCRR 750-2.7
State Administrative Procedure Act (SAPA)	State Administrative Procedure Act Section 401(2), 6 NYCRR 621.11(l)
State Environmental Quality Review (SEQR)	6 NYCRR Part 617
USEPA Effluent Limitation Guidelines (ELGs)	40 CFR Parts 405-471
USEPA National CSO Policy	33 USC Section 1342(q)
Whole Effluent Toxicity (WET) Testing	TOGS 1.3.2
General Provisions of a SPDES Permit Department Request for Additional Information	NYCRR 750-2.1(i)

Outfall and Receiving Water Information

Impaired Waters

The NYS 303(d) List of Impaired/TMDL Waters identifies waters where specific best usages are not fully supported. The state must consider the development of a Total Maximum Daily Load (TMDL) or other strategy to reduce the input of the specific pollutant(s) that restrict waterbody uses, in order to restore and protect such uses. SPDES permits must include effluent limitations necessary to implement a waste load allocation (WLA) of an EPA-approved TMDL (6 NYCRR 750-1.11(a)(5)(ii)), if applicable. In accordance with 6 NYCRR 750-1.13(a), permittees discharging to waters which are on the list but do not yet have a TMDL developed may be required to perform additional monitoring for the parameters causing the impairment. Accurate monitoring data is needed

to determine the existing capabilities of the wastewater treatment plants and to assure that WLAs are allocated equitably.

Interstate Water Pollution Control Agencies

Some POTWs may be subject to regulations of interstate basin/compact agencies including: Interstate Sanitation Commission (ISC), International Joint Commission (IJC), Delaware River Basin Commission (DRBC), Ohio River Valley Water Sanitation Commission (ORSANCO), and the Susquehanna River Basin Commission (SRBC). Generally, basin commission requirements focus principally on water quality and not treatment technology. However, interstate/compact agency regulations for the ISC, IJC, DRBC and NYC Watershed contain explicit effluent limits which must be addressed during permit drafting. 6 NYCRR 750-2.1(d) requires SPDES permits for discharges that originate within the jurisdiction of an interstate water pollution control agency, to include any applicable effluent standards or water quality standards (WQS) promulgated by that interstate agency.

Existing Effluent Quality

The existing effluent quality is determined from a statistical evaluation of effluent data in accordance with TOGS 1.2.1 and the USEPA Office of Water, Technical Support Document for Water Quality-based Toxics Control, March 1991, Appendix E (TSD). The existing effluent quality is equal to the 95th (monthly average) and 99th (daily maximum) percentiles of the lognormal distribution of existing effluent data. When there are greater than three non-detects, a delta-lognormal distribution is assumed, and delta-lognormal calculations are used to determine the monthly average and daily maximum pollutant concentrations. Statistical calculations are not performed for parameters where there are less than ten data points. If additional data is needed, a monitoring requirement may be specified either through routine monitoring or a short-term high intensity monitoring program. The Pollutant Summary Table identifies the number of sample data points available.

Permit Requirements

Basis for Effluent Limitations

Sections 101, 301, 304, 308, 401, 402, and 405 of the CWA and Titles 5, 7, and 8 of Article 17 ECL, as well as their implementing federal and state regulations, and related guidance, provide the basis for the effluent limitations and other conditions in the permit.

When conducting a full technical review of an existing permit, the previous effluent limitations form the basis for the next permit. Existing effluent quality is evaluated against the existing effluent limitations to determine if these should be continued, revised, or deleted. Generally, existing limitations are continued unless there are changed conditions at the facility, the facility demonstrates an ability to meet more stringent limitations, or in response to updated regulatory requirements. Pollutant monitoring data is also reviewed to determine the presence of additional contaminants that should be included in the permit based on a reasonable potential analysis to cause or contribute to a water quality standards violation.

Anti-backsliding

Anti-backsliding requirements are specified in the CWA sections 402(o) and 303(d)(4), ECL 17-0809, and regulations at 40 CFR 122.44(*l*) and 6 NYCRR 750-1.10(c) and (d). Generally, the relaxation of effluent limitations in permits is prohibited unless one of the specified exceptions applies, which will be cited on a case-by-case basis in this fact sheet. Consistent with current case law[9] and USEPA interpretation[10] anti-backsliding requirements do not apply should a revision to the final effluent limitation take effect before the scheduled date of compliance for that final effluent limitation.

[9] American Iron and Steel Institute v. Environmental Protection Agency, 115 F.3d 979, 993 n.6 (D.C. Cir. 1997)
[10] U.S. EPA, Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants for the State of California; 65 Fed. Reg. 31682, 31704 (May 18, 2000); Proposed Water Quality Guidance for the Great Lakes System, 58 Fed. Reg. 20802, 20837 & 20981 (April 16, 1993)

Antidegradation Policy

New York State implements the antidegradation portion of the CWA based upon two documents: (1) Organization and Delegation Memorandum #85-40, "Water Quality Antidegradation Policy" (September 9, 1985); and, (2) TOGS 1.3.9, "Implementation of the NYSDEC Antidegradation Policy – Great Lakes Basin (Supplement to Antidegradation Policy dated September 9, 1985) (undated)." The permit for the facility contains effluent limitations which ensure that the existing best usage of the receiving waters will be maintained. To further support the antidegradation policy, SPDES applications have been reviewed in accordance with the State Environmental Quality Review Act (SEQR) as prescribed by 6 NYCRR Part 617.

Effluent Limitations

In developing a permit, the Department determines the technology-based effluent limitations (TBELs) and then evaluates the water quality expected to result from technology controls to determine if any exceedances of water quality criteria in the receiving water might result. If there is a reasonable potential for exceedances of water quality criteria to occur, water quality-based effluent limitations (WQBELs) are developed. A WQBEL is designed to ensure that the water quality standards of receiving waters are met. In general, the CWA requires that the effluent limitations for a particular pollutant are the more stringent of either the TBEL or WQBEL.

Technology-based Effluent Limitations (TBELs)

CWA sections 301(b)(1)(B) and 304(d)(1), 40 CFR 133.102, ECL section 17-0509, and 6 NYCRR 750-1.11 require technology-based controls, known as secondary treatment. These and other requirements are summarized in TOGS 1.3.3. Where the TBEL is more stringent than the WQBEL, the TBEL is applied as a limit in accordance with TOGS 1.3.3. Equivalent secondary treatment, as defined in 40 CFR 133.105, allow for effluent limitations of the more stringent of the consistently achievable concentrations or monthly/weekly averages of 45/65 mg/L, and the minimum monthly average of at least 65% removal. Consistently achievable concentrations are defined in 40 CFR 133.101(f) as the 95th percentile value for the 30-day (monthly) average effluent quality achieved by the facility in a period of two years. The achievable 7-day (weekly) average value is equal to 1.5 times the 30-day average value calculated above. Equivalent secondary treatment applies to those facilities where the principal treatment process is either a trickling filter or a waste stabilization pond; the treatment works provides significant biological treatment of municipal wastewater; and, the effluent concentrations consistently achievable through proper operation and maintenance of the facility cannot meet traditional secondary treatment requirements. There are no federal technology-based standards for toxic pollutants from POTWs. A statistical analysis of existing effluent data, as described in TOGS 1.2.1, may be used to establish other performance-based TBELs.

Water Quality-Based Effluent Limitations (WQBELs)

In addition to the TBELs, permits must include additional or more stringent effluent limitations and conditions, including those necessary to protect water quality. CWA sections 101 and 301(b)(1)(C), 40 CFR 122.44(d)(1), and 6 NYCRR Parts 750-1.11 require that permits include limitations for all pollutants or parameters which are or may be discharged at a level which may cause or contribute to an exceedance of any State water quality standard adopted pursuant to NYS ECL 17-0301. Additionally, 6 NYCRR Part 701.1 prohibits the discharge of pollutants that will cause impairment of the best usages of the receiving water as specified by the water classifications at the location of discharge and at other locations that may be affected by such discharge. Water quality standards can be found under 6 NYCRR Parts 700-704. The limitations must be stringent enough to ensure that water quality standards are met at the point of discharge and in downstream waters and must be consistent with any applicable WLA which may be in effect through a TMDL for the receiving water. These and other requirements are summarized in TOGS 1.1.1, 1.3.1, 1.3.2, 1.3.5 and 1.3.6. The DEC considers a mixing zone analysis, critical flows, and reasonable potential analysis when developing a WQBEL.

Mixing Zone Analyses

In accordance with TOGS 1.3.1., the DEC may perform additional analysis of the mixing condition between the effluent and the receiving waterbody. Mixing zone analyses using plume dispersion modeling are conducted in accordance with the following:

"EPA Technical Support Document for Water Quality-Based Toxics Control" (March 1991); EPA Region VIII's "Mixing Zones and Dilution Policy" (December 1994); NYSDEC TOGS 1.3.1, "Total Maximum Daily Loads and Water Quality-Based Effluent Limitations" (July 1996); "CORMIX v11.0" (2019).

Critical Flows

In accordance with TOGS 1.2.1 and 1.3.1, WQBELs are developed using dilution ratios that relate the critical low flow condition of the receiving waterbody to the critical effluent flow. The critical low flow condition used in the dilution ratio will be different depending on whether the limitations are for aquatic or human health protection. For chronic aquatic protection, the critical low flow condition of the waterbody is typically represented by the 7Q10 flow and is calculated as the lowest average flow over a 7-day consecutive period within 10 years. For acute aquatic protection, the critical low flow condition is typically represented by the 1Q10 and is calculated as the lowest 1-day flow within 10 years. However, NYSDEC considers using 50% of the 7Q10 to be equivalent to the 1Q10 flow. For the protection of human health, the critical low flow condition is typically represented by the 30Q10 flow and is calculated as the lowest average flow over a 30-day consecutive period within 10 years. However, NYSDEC considers using 1.2 x 7Q10 to be equivalent to the 30Q10. The 7Q10 or 30Q10 flow is used with the critical effluent flow to calculate the dilution ratio. The critical effluent flow can be the maximum daily flow reported on the permit application, the maximum of the monthly average flows from discharge monitoring reports for the past three years, or the facility design flow. When more than one applicable standard exists for aquatic or human health protection for a specific pollutant, a reasonable potential analysis is conducted for each applicable standard and corresponding critical flow to ensure effluent limitations are sufficiently stringent to ensure all applicable water quality standards are met as required by 40 CFR 122.44(d)(1)(i). For brevity, the pollutant summary table reports the results of the most conservative scenario.

Reasonable Potential Analysis (RPA)

The Reasonable Potential Analysis (RPA) is a statistical estimation process, outlined in the 1991 USEPA Technical Support Document for Water Quality-based Toxics Control (TSD), Appendix E. This process uses existing effluent quality data and statistical variation methodology to project the maximum amounts of pollutants that could be discharged by the facility. This projected instream concentration (PIC) is calculated using the appropriate ratio and compared to the water quality standard (WQS). When the RPA process determines the WQS may be exceeded, a WQBEL is required. The procedure for developing WQBELs includes the following steps:

1) identify the pollutants present in the discharge(s) based upon existing data, sampling data collected by the permittee as part of the permit application or a short-term high intensity monitoring program, or data gathered by the DEC;

2) identify water quality criteria applicable to these pollutants;

3) determine if WQBELs are necessary (i.e. reasonable potential analysis (RPA)). The RPA will utilize the procedure outlined in Chapter 3.3.2 of EPA's Technical Support Document (TSD). As outlined in the TSD, for parameters with limited effluent data the RPA may include multipliers to account for effluent variability; and,

4) calculate WQBELs (if necessary). Factors considered in calculating WQBELs include available dilution of effluent in the receiving water, receiving water chemistry, and other pollutant sources.

The DEC uses modeling tools to estimate the expected concentrations of the pollutant in the receiving water and develop WQBELs. These tools were developed in part using the methodology referenced above. If the estimated concentration of the pollutant in the receiving water is expected to exceed the ambient water quality standard or guidance value (i.e. numeric interpretation of a narrative water quality standard), then there is a reasonable potential that the discharge may cause or contribute to an exceedance of any State water quality standard adopted pursuant to

NYS ECL 17-0301. If a TMDL is in place, the facility's WLA for that pollutant is applied as the WQBEL.

For carbonaceous and nitrogenous oxygen demanding pollutants, the DEC uses a model which incorporates the Streeter-Phelps equation. The equation relates the decomposition of inorganic and organic materials along with oxygen reaeration rates to compute the downstream dissolved oxygen concentration for comparison to water quality standards.

The Division of Water has been using the TMDL approach in permit limit development for the control of toxic substances. Since the early 1980's, the loading capacity for specific pollutants has been determined for each drainage basin. Water quality-limiting segments and pollutants have been identified, TMDLs, wasteload allocations and load allocations have been developed, and permits with water quality-based effluent limits have been issued. In accordance with TOGS 1.3.1, the Division of Water implements a Toxics Reduction Strategy which is committed to the application of the TMDL process using numeric, pollutant-specific water quality standards through the Watershed Approach. The Watershed Approach accounts for the cumulative effect of multiple discharges of conservative toxic pollutants to ensure water quality standards are met in downstream segments.

Minimum Level of Detection

Pursuant to 40 CFR 122.44(i)(1)(iv) and 6 NYCRR 750-2.5(d), SPDES permits must contain monitoring requirements using sufficiently sensitive test procedures approved under 40 CFR Part 136. A method is "sufficiently sensitive" when the method's minimum level (ML) is at or below the level of the effluent limitation established in the permit for the measured pollutant parameter; or the lowest ML of the analytical methods approved under 40 CFR Part 136. The ML represents the lowest level that can be measured within specified limitations of precision and accuracy during routine laboratory operations on most effluent matrices. When establishing effluent limitations for a specific parameter (based on technology or water quality requirements), it is possible that the calculated limitation will fall below the ML established by the approved analytical method(s). In these instances, the calculated limitation is included in the permit with a compliance level set equal to the ML of the most sensitive method.

Monitoring Requirements

CWA section 308, 40 CFR 122.44(i), 6 NYCRR 750-1.13, and 750-2.5 require that monitoring be included in permits to determine compliance with effluent limitations. Additional effluent monitoring may also be required to gather data to determine if effluent limitations may be required. The permittee is responsible for conducting the monitoring and reporting results on Discharge Monitoring Reports (DMRs). The permit contains the monitoring requirements for the facility. Monitoring frequency is based on the minimum sampling necessary to adequately monitor the facility's performance and characterize the nature of the discharge of the monitored flow or pollutant. Variable effluent flows and pollutant levels may be required to be monitored at more frequent intervals than relatively constant effluent flow and pollutant levels (6 NYCRR 750-1.13). For industrial facilities, sampling frequency is based on guidance provided in TOGS 1.2.1. For municipal facilities, sampling frequency is based on guidance provided in TOGS 1.3.3.

Other Conditions

Mercury

The multiple discharge variance (MDV) for mercury was developed in accordance with 6 NYCRR 702.17(h) "to address widespread standard or guidance value attainment issues including the presence of a ubiquitous pollutant or naturally high levels of a pollutant in a watershed." The first MDV was issued in October 2010, and subsequently revised and reissued in 2015; each subsequent iteration of the MDV is designed to build off the previous version, to make reasonable progress towards the water quality standard (WQS) of 0.7 ng/L dissolved mercury. The MDV is necessary because human-caused conditions or sources of mercury prevent attainment of the WQS and cannot be remedied (i.e., mercury is ubiquitous in New York waters at levels above the WQS and compliance with a water quality based effluent limitation (WQBEL) for mercury cannot be achieved with demonstrated effluent treatment technologies). The DEC has determined that the MDV is consistent with the

protection of public health, safety, and welfare. During the effective period of this MDV, any increased risks to human health are mitigated by fish consumption advisories issued periodically by the NYSDOH.

All surface water SPDES permittees are eligible for authorization by the MDV provided they meet the requirements specified in DOW 1.3.10.

Schedules of Compliance

Schedules of compliance are included in accordance with 40 CFR Part 132 Attachment F, Procedure 9, 40 CFR 122.47 and 6 NYCRR 750-1.14. Schedules of compliance are intended to, in the shortest reasonable time, achieve compliance with applicable effluent standards and limitations, water quality standards, and other applicable requirements. Where the time for compliance is more than nine months, the schedule of compliance must include interim requirements and dates for their achievement. If the time necessary to complete the interim milestones is more than nine months, and not readily divisible into stages for completion, progress reports must be required.

Schedule(s) of Additional Submittals

Schedules of Additional Submittals are used to summarize the deliverables required by the permit not identified in a separate Schedule of Compliance.