

# Town of Simsbury

WATER POLLUTION CONTROL  
36 DRAKE HILL ROAD  
SIMSBURY, CONNECTICUT 06070

OFFICE HOURS  
Monday –Friday 7:00 to 3:30  
658-1380 or 658-3258  
Fax: 658-6809

Watch Simsbury Water Pollution Control meetings LIVE and rebroadcast on Comcast Channels 96, 1090,  
Frontier Channel 6071 and LIVE streamed or on-demand at [www.simsburytv.org](http://www.simsburytv.org)

NOV 9 2020 AM 10:50  
ERICKA BUTLER, TOWN CL

## Simsbury Water Pollution Control Authority Regular Meeting

Thursday  
November 12, 2020  
7:00 p.m.

---

### A G E N D A

- 1) Safety Brief
- 2) Discussion: General Permit for Discharges from Miscellaneous Industrial Users (MIU GP)
- 3) Discussion: FY 21-22 Capital Projects
- 4) Status Report on Sewer Extension Projects, etc.
- 5) Treatment Facility Report
- 6) Correspondence
- 7) October Meeting Minutes – Possible Approval
- 8) Adjourn

---

## *Environmental Permitting Fact Sheet*

---

### **General Permit for Discharges from Miscellaneous Industrial Users**

---

#### **Permit Overview**

This general permit is issued under the authority of the Department of Energy and Environmental Protection's (DEEP) Bureau of Materials Management and Compliance Assurance. DEEP uses both individual and general permits to regulate wastewater discharge activities. Individual permits are issued directly to an applicant, whereas general permits are issued to authorize similar activities by one or more applicants throughout a prescribed geographic area. A general permit sets terms and conditions for conducting an activity which, when complied with, are protective of the environment. General permits represent a streamlined process to permit specific activities and are more cost-effective for both the DEEP and the registrant.

**The Publicly Owned Treatment Works (POTW, as defined by section 22a-430-3(a) of the Regulations of Connecticut State Agencies) and the POTW Authority (as defined in the general permit) receiving the discharge of Miscellaneous Industrial User wastewater (MIU wastewater) from the Industrial User has the authority to receive and review discharge notifications and monitoring reports, and, in conjunction with DEEP, enforce effluent limits and permit conditions.**

**“Miscellaneous Industrial User wastewater” or “MIU wastewater” means any wastewater discharge that is NOT subject to Federal Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR chapter I, subchapter N as amended. Domestic sewage including septage or sewage from portable sources and groundwater remediation wastewater are excluded from this definition. MIU wastewater includes but is not limited to air compressor condensate & blowdown, boiler blowdown, building maintenance wastewater, commercial laundry wastewater, contact cooling & heating water, cutting & grinding wastewater, fire suppression system testwater, food processing wastewater, hydrostatic pressure testing wastewater, non-contact cooling water, non-destruct testing rinsewater, printing and photographic processing wastewater, tumbling or cleaning of parts wastewater, water treatment wastewater, and vehicle maintenance wastewater.**

**“Industrial User” or “Miscellaneous Industrial User” means a source of Indirect Discharge.**

**“Indirect Discharge” means the introduction of a discharge into a Publicly Owned Treatment Works from a non-domestic source.**

#### **Authorizing Statutes**

Section 22a-430b of the General Statutes.

## **Discharges authorized by this general permit**

The *General Permit for Discharges from Miscellaneous Industrial Users* (MIU GP) will authorize discharges of “Miscellaneous Industrial User wastewater” either discharged directly to a POTW or transported there by vehicle. The Industrial User initiating, creating, originating or maintaining the discharge cannot be a Significant Industrial User (as defined in the general permit).

## **Notification and Fees**

This general permit will require notification and/or a fee at the discretion of the POTW Authority receiving the discharge.

## **Who Must Notify?**

The wastewater discharge categories below and text following them characterize the notification requirements:

### **(A) Group I: Process Wastewater Discharges Cumulatively Less Than 25,000 Gallons per Day**

- Commercial laundry wastewater
- Contact cooling and heating wastewater
- Cutting and grinding wastewater
- Food processing wastewater (including breweries and distilleries)
- Non-destruct testing rinsewater
- Printing and photographic processing wastewater
- Reverse osmosis reject water
- Tumbling or cleaning of parts wastewater
- Water treatment wastewater
- Other process wastewater, including other wastewaters determined by the Commissioner to be process wastewaters.

### **(B) Group II: Non-process Wastewater Discharges (All Flows)**

- Air compressor condensate & blowdown
- Boiler blowdown wastewater
- Building maintenance wastewater
- Fire suppression system testing wastewater
- Hydrostatic pressure testing wastewater
- Non-contact cooling water
- Potable water system maintenance or sampling wastewaters
- Swimming pool wastewater
- Vehicle maintenance wastewater
- Other non-process wastewaters, including other wastewaters determined by the Commissioner to be non-process wastewaters.

Industrial Users that meet the criteria below who seek authorization to discharge wastewater under the MIU GP must submit a notification form to each applicable POTW Authority conveying or receiving the wastewater:

- (A) Industrial Users discharging Group I process wastewaters with a cumulative maximum daily flow greater than or equal to 1,000 gallons per day (gpd) and less than 25,000 gpd;
- (B) Except for vehicle maintenance wastewaters, Industrial Users discharging Group II non-process wastewaters with a cumulative maximum daily flow greater than or equal to 5,000 gpd ;

- (C) Industrial Users discharging any flow of vehicle maintenance wastewater;
- (D) Industrial Users discharging Group I Process wastewaters with a cumulative maximum daily flow greater than or equal to 1,000 gallons per day (gpd) and less than 25,000 gpd, or Group II Non-process wastewater with a cumulative maximum daily flow greater than or equal to 5,000 gpd, whose discharge:
  - (i) has an increase in flow or change in chemistry since the effective date of this general permit;
  - (ii) has had an ownership change since the effective date of this general permit;
  - (iii) notification requires correction of inaccurate or misleading information previously submitted to the POTW Authority, in accordance with Section 6(g) of this general permit;
  - (iv) will be undergoing any significant facility modifications, as described in Section 5(e)(3)(A) of this general permit;
- (E) Industrial Users whose discharge will be transported to the receiving POTW;
- (F) Industrial Users whose discharge requires a variance to meet the effluent limits and conditions of Section 5(a) of this general permit, or
- (G) Industrial Users that are required to notify by an applicable POTW Authority.

### Who Must Submit Additional Information Beyond Notification

Industrial Users discharging any flow of vehicle maintenance wastewater, or Group I process wastewaters that meet any one of the following criteria must complete a Detailed Discharge Information attachment. If required by the applicable POTW Authority, the attachment must be submitted with the notification.

- (A) the cumulative maximum daily flow of the Group I process wastewater discharges is greater than or equal to 1,000 gpd and less than 25,000 gpd;
- (B) the discharge comprises greater than 2% but less than 5% of the average, dry weather, hydraulic or organic capacity of each applicable POTW;
- (C) the discharge is transported to the receiving POTW;
- (D) the discharge has an increase in flow or change in chemistry since the most recent registration/notification;
- (E) requires a variance to meet the applicable POTW Authority's limits or the limits and conditions of Section 5(a) of the MIU GP;
- (F) requires treatment prior to discharge to meet the effluent limits in Table 5-1 of the MIU GP or limits imposed by the applicable POTW Authority; [or](#)
- (G) if required by an applicable POTW Authority.

### Discharge Analysis

For existing discharges of all Group I process wastewaters and Group II "**Other** non-process wastewaters" only, results of one screening analysis from the testing of a sample taken within 90 days of notification for pollutants specified by Section 5(b) of the MIU GP shall be submitted with the notification form.

### Effluent Limits

Industrial Users discharging under the authority of the MIU GP are reminded that they must abide by each applicable POTW Authority's local ordinances and regulations and that Industrial Users shall not violate the prohibitions specified in subsection 5(a)(2) of the MIU GP. If a pollutant limit has **not** been established by the applicable POTW Authority(s), the limit for such pollutant identified in Table 5-1 of the MIU GP shall apply:

**Table 5-1 Effluent Limits<sup>1</sup>**

<b>Pollutant</b>	<b>Maximum Instantaneous Concentration</b>	<b>Pollutant</b>	<b>Maximum Instantaneous Concentration</b>
<b><i>Conventional Pollutants</i></b>	<b>mg/l</b>	<b><i>Metals and Other Pollutants</i></b>	<b>mg/l</b>
Biochemical Oxygen Demand (BOD5)	600.0 <sup>2</sup>	Lead, Total	0.5
Chemical Oxygen Demand (COD)	1200.0		
Total Suspended Solids (TSS)	600.0 <sup>2</sup>	Nickel, Total	2.0
Total Kjeldahl Nitrogen (TKN)	40.0 <sup>3</sup>	Silver, Total	0.5 <sup>5</sup>
Nitrate-Nitrite (as N)	40.0 <sup>3</sup>	Tin, Total	4.0
Total Fats, Oils and Grease <sup>4</sup>	100.0	Zinc, Total	2.0
<b><i>Organic Pollutants</i></b>	<b>mg/l</b>		
Total Volatile Organics	5.0	Antimony, Total	4.0
Formaldehyde	10.0 <sup>3</sup>	Arsenic, Total	0.10
Methylene Chloride	1.0	Beryllium, Total	2.0
Phenols, Total	10.0	Cobalt, Total	4.0
Phthalate Esters	2.0	Molybdenum, Total	4.0
Polynuclear Aromatic Hydrocarbons	0.5	Selenium, Total	0.5
Ethylene Glycol	300.0 <sup>3</sup>	Strontium, Total	2.0
Propylene Glycol	300.0 <sup>3</sup>	Thallium, Total	2.0
<b><i>Metals and Other Pollutants</i></b>	<b>mg/l</b>	Titanium, Total	4.0
Cadmium, Total	0.5	Vanadium, Total	2.0
Chromium, Total	2.0	Zirconium, Total	2.0
Copper, Total	2.0	pH value range can be found at Section 5(a)(2)(B)(ii) of the MIU GP	

<sup>1</sup>These effluent limits do not apply to residuals generated by water treatment facilities that are transported to the solids handling portion of a POTW.

<sup>2</sup>This pollutant concentration may be exceeded provided that the total mass loading (flow x concentration) of such pollutant discharged to the POTW does not exceed 100.0 lbs/day or 2% of the POTW's design loading, whichever is less. This limit does not apply to discharges of Food Processing Wastewater that have implemented the practices specified in Appendix H(3) of the MIU GP or Water Treatment Wastewater.

<sup>3</sup>The pollutant concentration may be exceeded provided that the total mass loading (flow x concentration) of each pollutant discharged to the POTW does not exceed 8.0 lbs/day for total Kjeldahl nitrogen or nitrate-nitrite (as N) and 10.0 lbs/day for formaldehyde, ethylene glycol, or propylene glycol

<sup>4</sup>For Food Processing Wastewaters only, report as Total Oil & Grease. For all other wastewaters, report as Total Petroleum Hydrocarbons.

<sup>5</sup>For photographic processing wastewaters only, if maximum daily flow is less than 100 gallons per day, the silver effluent limit is 5.0 mg/l. For flows greater than 100 gpd, the silver limit is 2.0 mg/l.

**POTW-Specific Pollutant Limits**—Because pollutant loading at a POTW varies across the state and some POTWs have greater capacities to handle problem pollutants, some POTW specific pollutant limits were established for some of the most common problem pollutants and are found in Appendix D1 of the general permit. These POTW Specific Pollutant Limits only apply to registrants with total maximum daily flows greater than 5000 gpd.

**Prohibited Chemical Additives**—Wastewater discharged under the authority of this general permit shall not contain any chemical additive containing any substance listed in Appendix B, Table II, III, or V or Appendix D of Section 22a-430-4 of the Regulations of Connecticut State Agencies, other than a substance for which an effluent limit is specified in Table 5-1 of the MIU GP or as otherwise approved by the POTW Authority in accordance with Section 7(a) of the MIU GP.

### **Other Conditions**

Wastewater discharged under the authority of this general permit shall not:

- (1) cause or threaten interference or adverse effect upon the operation of the POTW;
- (2) cause or threaten interference or adverse effect upon the POTW's sludge handling, use or disposal, including but not limited to noncompliance with any federal, state, local laws, regulations or ordinances;
- (3) cause or threaten the POTW to exceed its influent design loading parameters;
- (4) cause or threaten the POTW to violate its permit, including but not limited to exceeding its permit limits;
- (5) cause or threaten a worsening of any condition which is causing the POTW to exceed its influent design loading parameters or violate its permit; or
- (6) cause or threaten pass through of any substance into the receiving waters which then causes or threatens pollution;
- (7) contain pollutants which causes or threatens a fire or explosion hazard in the receiving POTW;
- (8) cause or threaten corrosive structural damage to the sanitary sewer or receiving POTW and shall not have a pH of less than 5.0 or more than 12.0 Standard Units, unless local ordinances have a more limited pH range.
- (9) contain solid or viscous pollutants in amounts which will cause obstruction of flow in the sanitary sewer system or receiving POTW;
- (10) contain heat in amounts which will inhibit biological activity in the receiving POTW, nor contain heat in such quantities that the influent temperature at the POTW exceeds 104°F (40°C);
- (11) contain pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health or safety problems; and
- (12) contain either singly or in combination with other discharges any pollutant in sufficient amounts to cause acute worker health and safety problems, problems in the collection system or pass through or interference with the receiving POTW;
- (13) cause or contribute to foaming at the receiving POTW or within its effluent; and
- (14) contain either singly or in combination with other discharges flow in excess of the hydraulic capacity of the receiving POTW's conveyance system.

## **Treatment**

Treatment shall be required for any discharge that cannot comply with the limits and conditions of Section 5(a) of the MIU GP.

For any photographic processing discharge where silver is a known or suspected pollutant, a silver recovery system must be installed.

## **Professional Certification**

For any discharge of Group I process wastewater with a maximum daily flow  $\geq 1000$  gpd but less than 25,000 gpd where the discharge requires treatment to meet effluent limitations or any flow of vehicle maintenance wastewater (excluding discharges previously permitted by DEEP, discharges from small volume autobody repair facilities, or discharges from small volume detailing facilities), either a Qualified Professional Engineer licensed in the state of Connecticut, or a Qualified Certified Hazardous Manager for certain pre-engineered treatment systems, must certify that the treatment system has been designed and properly installed and that proper operation and maintenance will ensure that all effluent limits specified in the general permit are met.

However, the Professional Certification is *not* required for a pre-engineered treatment system(s) that:

- (a) has been supplied with documentation from the manufacturer(s) demonstrating that such pre-engineered treatment system is designed to treat the pollutant levels in the wastewater discharge at the maximum discharge flow rate, and that such discharge will comply with the effluent limits and conditions of Section 5(a) of the MIU GP;
- (b) has been supplied with an Operation and Maintenance Plan from the manufacturer for such pre-engineered treatment system and supplemented as may be required by the Industrial User to meet the requirements of section 5(e)(2) and Appendix B of the MIU GP; and
- (c) has an integrated spill prevention and control system which, at a minimum, is capable of containing at least 110% of the volume of the largest system component, or is installed in an area that provides such containment.

## **Parameter Monitoring**

Table 5-2 in the general permit indicates monitoring parameters for various categories of flow, the most common being pH, total suspended solids, oil & grease, copper, lead, and zinc. Registrants must also monitor for any parameters specified in Section 5(a)(1) that are known or suspected to be present in the discharge.

The monitoring and reporting frequencies, based on discharge group and maximum daily flows, are shown in Table 5-3 below:

**Table 5-3 Monitoring and Reporting Frequencies**

<b>Discharge Group</b>	<b>Total Maximum Daily Flow Thresholds per Category of Wastewater</b>	<b>Minimum Frequency of Pollutant Monitoring<sup>1,2</sup></b>
Group I – Process Wastewaters (except as noted below)	Flow < 1,000 gpd	None
	1,000gpd ≤ Flow < 10,000gpd	Quarterly
	10,000gpd ≤ Flow < 25,000gpd	Monthly
Group I -- Food Processing, Commercial Laundry, Reverse Osmosis Reject Water	Flow < 5,000 gpd	None
	5,000 gpd ≤ Flow < 25,00 gpd	Annual
Group II – Non-process Wastewaters	All Flows	None

<sup>1</sup>Discharges that do not have a prescribed monitoring frequency must comply with the effluent limits and conditions of Section 5(a) of this general permit. The permittee should maintain records of monitoring data that are representative of the current discharge.

<sup>2</sup>For water treatment wastewaters associated with annual or semi-annual maintenance cleaning of clarifier tank, settling lagoon, or other large tanks which may discharge greater than 50,000 gallons per day, samples shall be taken from the first 10% and last 10% of the discharge and analyzed separately. Such discharges shall not be counted toward the total maximum daily flow when determining monitoring frequency.

**Flow Monitoring**

Flow monitoring will be required for discharges greater than 1000 gpd according to the frequency in Table 5-3. Discharge flows of greater than 5000 gpd will be measured by means of a flow meter system and associated recording device which measures, visually indicates, and records instantaneous and total daily flow.

**pH Monitoring**

pH monitoring will be required for discharges according to the category and frequency in Table 5-3. If pH adjustment is necessary, registrant must comply with section 22a-430-3(q) of the Regulations of Connecticut State Agencies which requires continuous pH monitoring.



## **Recordkeeping**

Registrants must keep records for all parameters monitored which include total daily flow, a description of the process or activity which generated the discharge, analytical results and sample chain of custody.

## **Reporting Requirements**

All analytical results and other information required under the MIU GP shall be submitted upon request of the POTW Authority or the Commissioner.

If the permittee monitors any discharge more frequently than required by the MIU GP using test procedures approved under 40 CFR 136 or specified in the permit, the results shall be included in the calculation and reporting of the data in any monitoring report requested by the POTW Authority or the Commissioner.

## **General Conditions**

The general permit also contains general operating conditions that:

- requires that discharges are in conformance with the sewer use ordinance of the municipality receiving the discharge
- the discharge shall be totally enclosed in piping from the source to a POTW unless operating conditions require otherwise. Best management practices shall be used for chemical and fuel storage to prevent spillage that could be received by floor drains, trenches, etc.
- any spill or release or leakage of any chemical liquid shall be immediately cleaned up and disposed of in accordance with all applicable state and federal law.

## **Collection and Transport of Wastewater from Unsewered Areas**

The general permit contains requirements for the proper storage and transport of wastewaters from areas that do not have direct access to a sanitary sewer.

## **Permit Duration**

This general permit shall expire on October 30, 2025.

## **Transfer**

An authorization under this general permit is transferrable only in accordance with the requirements of Section 6(h) of the MIU GP and the applicable POTW Authority.

## **Contact Address**

WATER PERMITTING AND ENFORCEMENT DIVISION  
BUREAU OF MATERIALS MANAGEMENT AND COMPLIANCE ASSURANCE  
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION  
79 ELM STREET  
HARTFORD, CT 06106-5127  
860-424-3025

This overview is designed to answer general questions and provide basic information. You should refer to the appropriate statutes and regulations for the specific regulatory language of the different permit programs. This document should not be relied upon to determine whether or not an environmental permit is required. It is *your* responsibility to ensure that all required permits have been obtained.

SIX YEAR CAPITAL PLAN

Description of Capital Expenditure	21-22	22-23	23-24	24-25	25-26	26-27	Total	Funding
								Sewer Use Fund
Septage Receiving Station								
unit		\$ 200,000					\$ 200,000	\$ 200,000
installation		\$ 36,000					\$ 36,000	\$ 36,000
building		\$ 75,000					\$ 75,000	\$ 75,000
Grit system upgrade			\$ 300,000				\$ 300,000	\$ 300,000
Roof safety railings	\$ 100,000						\$ 100,000	\$ 100,000
WPCF Building roof replacements			\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 400,000	\$ 400,000
							\$ -	
WPCF pavement overlay			\$ 75,000	\$ 75,000	\$ 75,000		\$ 225,000	\$ 225,000
Flow and Load review			\$ 100,000				\$ 100,000	\$ 100,000
Sewer Lining	\$ 650,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 1,150,000	\$ 1,150,000
Tunxis Pump Station Forcemain lining	\$50,000						\$ 50,000	\$ 50,000
HVAC unit replacement		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 250,000	\$ 250,000
Primary Tank structural repair		??						
	\$ 800,000	\$ 461,000	\$ 725,000	\$ 325,000	\$ 325,000	\$ 250,000	\$ 2,886,000	\$ 2,886,000

Reserve Account balance as of 12/17/19 \$6,406,423.70

DEVELOPER INSTALLED SEWER PROJECTS - PROGRESS

Development / Address	Capacity Review				Developer's Agreement				
	Application Sent	Application Rec'd	Results Mailed	FCC Calculation	Public	Private	Video Review	Air Test	Manhole Inspection
Murphy's Turn				\$20,475	9/2/2015	-	8/11/2015	8/11/2015	8/17/2015
Hendrix Cottages Climax Road		9/12/2016	9/19/2016		6/13/2019		4/3/2020	12/18/2019	4/15/2020
Cambridge Court Hoskins Road	9/30/2015	9/30/2016	9/30/2016		8/9/2017		10/14/2019	6/5/2019	Phase I 3/4/2020
Highcroft Apts Powder Forest (Parcels 5 & 6)	4/10/2015			\$410,489.00 (8 Apt. Bldgs / Clubhouse)	-	10/1/2015	2/17/2016	1/26/2016	2/19/2016
Highcroft Apts Powder Forest Town Homes	4/10/2015			\$196,560 (48 Townhomes)			11/8/2019	6/4/2019	
Meadowood									
Ridge at Talcott Mtn 200 Hopmeadow St		5/26/2016	6/8/2016	\$1,429,810 (estimated)		12/6/2017	Partially Complete	12/20/2019	

## TOWN SEWER EXTENSION - PROGRESS

Request and Project Review								
Initial Request		Included Addresses	Interest Card Sent			Preliminary Design/ Cost estimate	Public Hearing Date	Approved/ Denied
Address	Date		Date	Y	N			
Woodland Street Area	8/22/2019	22-85 Woodland Street 552-643 Hopmeadow Street	12/19/2019	X		Design In Progress	3/12/2020	Approved

Comments:

1. Project has been delayed until additional easements have been executed.
2. Project is complete.

s: WPCA / Sewer Extension Spreadsheet

# Town of Simsbury

## Water Pollution Control

---

### Memorandum

**To:** Water Pollution Control Authority  
**From:** Tony Piazza  
**Date:** November 12, 2020  
**Re:** October 2020 Summary Report

---

**Permit Compliance:** All permit requirements were met for the months of October.

**Plant Operations:**

Staff has shut down the UV disinfection system for the season.

Staff has completed and passed the annual Discharge Monitoring Report Quality Analysis (DMRQA)

Staff continues with the replacement of Programmable Logic Controllers (PLC). Staff is coordinating with the computer integrator from Tighe & Bond for installation. At this time Building 6 PLC still needs to be upgraded and will be completed during November.

Staff has is continuing work with AECOM for the update of the Water Pollution Control Plan, the Water Pollution Control Facilities Plan, Analysis of the protective berm with the updated flood plain mapping, and an update on the phosphorous removal plan. AECOM engineers visited the site to perform an overall assessment for potential system upgrades.

**Secondary Clarifier Launder Covers:**

Staff is working with Tighe and Bond to create a bid document for the covers. It is expected to have the covers installed in the spring of 2021

**Primary Clarifiers:**

James Silva of Silva Engineering, LLC performed a structural analysis of the primary clarifiers prior commencing the upgrade of the mechanical systems. We are still waiting in the final report of the inspection. The main issue found is on the east tank, a section of the exterior wall is leaning in. This issue was also found during the plant upgrade in 2006 and a repair was made at that time. We will be investigating the repair that was made to see if the condition has gotten worse since then. We are looking at multiple options for the potential repair including the possibility of decommissioning the tanks since they have not been used since 2012.

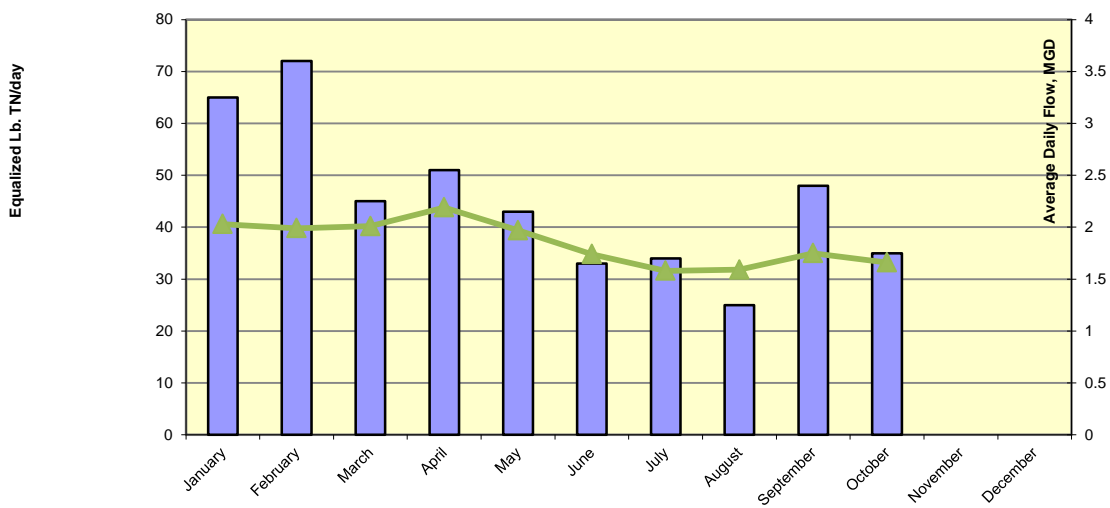
Month	Average Pounds TN/day	Excess Pounds TN/day	TN TMDL	Average Pounds Phos/day	TP TMDL	Monthly Avg Flow
January	65	-42	107	8	46.95	2.03
February	72	-35	107	27	46.95	1.99
March	45	-62	107	16	46.95	2.01
April	51	-56	107	28	46.95	2.19
May	43	-64	107	29	46.95	1.97
June	33	-74	107	33	46.95	1.74
July	34	-73	107	23	46.95	1.58
August	25	-82	107	22	46.95	1.59
September	48	-59	107	16	46.95	1.75
October	35	-72	107	11	46.95	1.66
November		-107	107		46.95	
December		-107	107		46.95	
Annual Average to date	45	-62		21		

Estimated Annual Cost @	\$ 4.60	per equivalent lb TN/day
Amount due Simsbury	\$18,707	

TMDL	
Year	TN lb/d
2020	107

Equivalent pounds = excess x 0.18

**Simsbury Effluent Total Nitrogen**



Summary Data from the Monthly Operating Report

PARAMETER		UNITS	Sep-20	Oct-20	Past 6 Months
Average Daily Flow		mgd	1.75	1.66	1.78
Peak Daily flow		mgd	5.30	4.40	5.04
Total Septage Received		gallons	533,300	590,500	569,500
Population Equivalent		@0.17 lbBOD/capita/d	22,751	20,604	21,489
BOD	Influent	mg/L	265	253	248
	Final Effluent	mg/L	5	3	4
	Percent Removal	%	98	99	98.55
TSS	Influent	mg/L	364	280	298
	Final Effluent	mg/L	4	3	4
	Percent Removal	%	99	99	98.78
TN	Influent	mg/L	38.0	44.0	38.1
	Final Effluent	mg/L	3.3	2.5	2.5
	Percent Removal	%	91	94	93.19
P	Influent, Ortho P	mg/L	3.31	3.03	2.95
	Effluent, Ortho P	mg/L	1.01	0.72	1.34
	Influent, Total P	mg/L	6.28	6.50	5.45
	Effluent, Total P	mg/L	1.09	0.75	1.52
	Effluent, Total P	lb (46.65 lb/d TMDL)	15.86	10.42	22.73
	Percent Removal	%	83	88	70.33
Aeration	MLSS	mg/L	4150	4520	4074
	SVI	ml/g	162	190	144
	DO, Avg. High	mg/L	0.3	0.2	0.3
	DO, Avg. Low	mg/L	0.2	0.2	0.2
	F/M ratio		0.13	0.11	0.14
	Organic loading	lb BOD/700 ft <sup>3</sup>	35	31	33
	Solids production	lb sldg/lb BOD rem	0.91	1.02	1.05
Total Sludge Trucked		dry ton	52	55	58

**WATER POLLUTION CONTROL AUTHORITY  
REGULAR MEETING  
OCTOBER 8, 2020  
“Subject to Vote of Approval”**

**1. CALL TO ORDER**

Paul Gilmore called the regular meeting of the Water Pollution Control Authority to order at 7:09 p.m. via a virtual Zoom meeting. The following members were present: Tom Hickey, Jay Sheehan, Michael Park, Jacques Brignac, Ed Kelly and Lucian Dragulski. Also present were Tony Piazza, Superintendent, and Alison Sturgeon, Clerk.

**2. SAFETY BRIEF** – Mr. Gilmore gave a safety brief asking everyone to exercise caution when traveling and to not drive distracted.

**3. REQUEST WAIVER – 98 COUNTY ROAD (CONTINUED)**

Mr. Gilmore stated that this request for a waiver of the facility connection charge (FCC) for 98 County Road was discussed at the last meeting. He stated that Town staff was going to do some investigating as to whether or not it is sound policy for the WPCA to do something and/or make a counter proposal. Mr. Piazza stated that Section 7-255 of Chapter 103 of the State Statutes states, “Any municipality may, by ordinance, provide for optional methods of payment of sewer use charges to the water pollution control authority by (1) elderly taxpayers who are eligible for tax relief under the provisions of section 12-129b, section 12-170aa or a plan of tax relief for elderly taxpayers provided by such municipality in accordance with section 12-129n...”. Mr. Piazza stated that the owners of 98 County Road would fall under this part of the statute as disabled and elderly, which allows for financing of the FCC.

Mr. Gilmore stated that if the FCC was amortized over a ten year period, the homeowner would pay approximately \$400 per year, which would equate to \$33 per month. The other option could be that the FCC would be due upon the sale of their house. The WPCA members could decide to do nothing or they could let the homeowners decide on which option works best for them. There was a consensus among the Authority members to let the homeowners choose which option, if any, they would like to take.

*Mr. Dragulski made a motion to offer the homeowners of 98 County Road, Simsbury, two options for paying the facility connection charge of \$4,095 by either: 1) installment payments over a 10 year period of time at the Town’s customary rate of interest with a lien on the property to secure this obligation; or 2) the payment of the \$4,095 facility connection charge, together with interest at the Town’s rate but with no installment payment obligation and to have the principle amount and interest due at the time that the home is sold. This second option is subject to some due diligence in terms of the home value and present liens existing on the property. Mr. Brignac seconded the motion, which was unanimously approved.*

**4. STATUS REPORT ON SEWER EXTENSION PROJECTS, ETC.**

Mr. Piazza stated that Murphy’s Turn will be accepted by the Town next month. This will be the start of their one year maintenance bond with the WPC; the sewers can be accepted one year after the road has been accepted. He stated that the one year period for the maintenance bond for Hendricks Lane has begun.

Regarding the Woodland Street project, Mr. Piazza stated that they will be meeting with the consultant to go over the design for the project, which will be approximately 80% completed. He will also be calling the State to see if and when the bridge project on Hopmeadow Street will begin in order to see if the Town’s sewer project will need to be delayed.

**5. TREATMENT FACILITY REPORT**

Mr. Piazza stated that all permit requirements were met for the month of September. In terms of plant operations, he stated that they had two separate issues with the UV disinfection system during the month. The first happened when the low water safety sensor failed and caused the units to shut down to protect the system. This resulted in approximately 30 minutes of non-disinfected water being discharged into the river. The second issue occurred during the bi-weekly cleaning of the system. The operator performing the work accidentally turned off the backup UV bank. This again resulted in non-disinfected water being discharged into the river. All appropriate reports have



been submitted to the State DEEP and FVHD. Staff has been reminded of the importance of following proper procedures when conducting maintenance on all systems.

Mr. Piazza stated that staff has started the replacement of Programmable Logic Controllers (PLC). They are coordinating with the computer integrator from Tighe & Bond for installation. At this time two PLC's still need to be upgraded and will be completed during October. He stated that staff is continuing to work with AECOM for the update of the Water Pollution Control Plan, the Water Pollution Control Facilities Plan, Analysis of the protective berm with the updated flood plain mapping, and an update on the phosphorous removal plan. AECOM engineers visited the site to perform an overall assessment for potential system upgrades.

Regarding the secondary clarifier launder covers, Mr. Piazza stated that staff is working with Tighe and Bond to create a bid document for the covers. It is expected to have the covers installed in the spring of 2021.

6. **CORRESPONDENCE** – There was none.

7. **SEPTEMBER MEETING MINUTES – POSSIBLE APPROVAL**

*Mr. Sheehan made a motion to approve the September 10, 2020 minutes as written. Mr. Kelly seconded the motion, which was approved. Mr. Gilmore abstained.*

8. **ADJOURN**

*Mr. Sheehan made a motion to adjourn the meeting at 7:38 p.m. Dr. Park seconded the motion, which was unanimously approved.*

---

Paul Gilmore, Chairman