

Town of Simsbury

WATER POLLUTION CONTROL
36 DRAKE HILL ROAD
SIMSBURY, CONNECTICUT 06070

OFFICE HOURS
Monday - Friday 7:00 to 3:30
860-658-1380 or 860-658-3258
Fax: 860-658-6809

DEC 7 2021 PM 2:59
IRISH MURDER, TOWN CLK

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Frontier Channel 6071 and LIVE streamed or on-demand at www.simsburytv.org

Simsbury Water Pollution Control Authority Regular Meeting

Thursday
December 9, 2021
7:00 p.m.

A G E N D A

- 1) Safety Brief
- 2) Pine Hill Homeowner's Association Sewer Upgrade Request - Update
- 3) Status Report on Sewer Extension Projects, etc.
- 4) Treatment Facility Report
- 5) Correspondence
- 6) November Meeting Minutes – Possible Approval
- 7) Adjourn

TOWN SEWER EXTENSION - PROGRESS

Request and Project Review						Design				Construction												
Initial Request		Included Addresses		Interest Card Sent		Preliminary Design/ Cost estimate	Public Hearing Date	Approved/ Denied	Project Manager	Comments	Survey	Design	ROW	Bid	Award	Begin	End	Total Cost	Comments	Bid Value	Linear FT Installed	Cost Per Linear FT
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		6/1/2020		7/6/2021	8/2/2021	8/31/2021				\$1,323,990.00			
Pine Hill Homeowner's Association																						

s: WPCA / Sewer Extension Spreadsheet

Town of Simsbury

Water Pollution Control

Memorandum

To: Water Pollution Control Authority

From: Tony Piazza

Date: December 9, 2021

Re: November 2021 Summary Report

Permit Compliance: All permit requirements were met for the month of November.

Plant Operations:

Staff 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. The draft copy of the plan should be delivered in January.

Sewer Lining

Granite Inliner will return on December 15th to complete the work at town hall. The lining of the Tunxis Pump Station will be completed in January; we received a more favorable price for excavation work.

Secondary Clarifier Launder Covers:

This project bid closing date was March 25th. RH White was awarded the contract for the work at a cost of \$147,000. This was approximately \$55,000 less than expected. Work is scheduled to begin on December 20th and is expected to be completed in 4 to 6 weeks.

Staffing:

The open operator position was reposted since no favorable candidates were found.

Summary Data from the Monthly Operating Report

PARAMETER		UNITS	Oct-21	Nov-21	Past 6 Months
Average Daily Flow		mgd	2.08	2.02	2.20
Peak Daily flow		mgd	5.70	5.20	5.87
Total Septage Received		gallons	576,300	566,150	521,136
Population Equivalent		@0.17 lbBOD/capita/d	28,470	25,865	27,115
BOD	Influent	mg/L	279	261	253
	Final Effluent	mg/L	3	3	3
	Percent Removal	%	99	99	98.74
TSS	Influent	mg/L	429	437	315
	Final Effluent	mg/L	4	4	3
	Percent Removal	%	99	99	98.87
TN	Influent	mg/L	38.2	44.0	38.4
	Final Effluent	mg/L	2.0	2.2	1.7
	Percent Removal	%	95	95	95.42
P	Influent, Ortho P	mg/L	1.86	3.48	2.23
	Effluent, Ortho P	mg/L	0.75	1.00	0.82
	Influent, Total P	mg/L	5.29	8.51	5.05
	Effluent, Total P	mg/L	0.88	1.10	1.02
	Effluent, Total P	lb (46.65 lb/d TMDL)	15.23	18.53	18.80
	Percent Removal	%	83	87	77.81
Aeration	MLSS	mg/L	4590	4620	4787
	SVI	ml/g	189	186	177
	DO, Avg. High	mg/L	0.2	0.3	0.2
	DO, Avg. Low	mg/L	0.2	0.21	0.2
	F/M ratio		0.15	0.14	0.14
	Organic loading	lb BOD/700 ft3	43	39	41
	Solids production	lb sludge/lb BOD rem	0.75	0.90	0.89
Total Sludge Trucked		dry ton	56	59	61

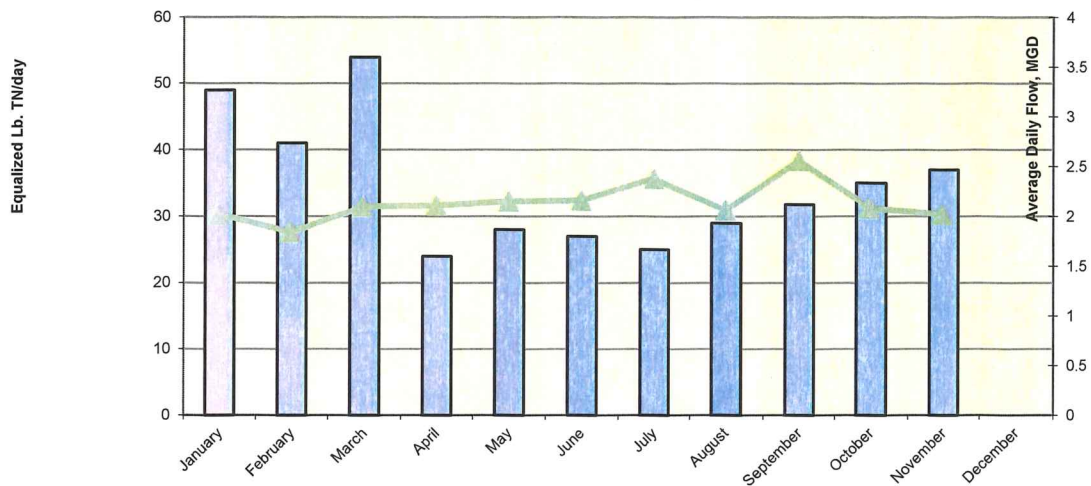
Month	Average Pounds TN/day	Excess Pounds TN/day	TN TMDL	Average Pounds Phos/day	TP TMDL	Monthly Avg Flow
January	49	-58	107	8	46.95	2.02
February	41	-66	107	19	46.95	1.84
March	54	-53	107	15	46.95	2.10
April	24	-83	107	14	46.95	2.11
May	28	-79	107	13	46.95	2.15
June	27	-80	107	23	46.95	2.16
July	25	-82	107	23	46.95	2.38
August	29	-78	107	19	46.95	2.06
September	31.8	-75	107	18	46.95	2.56
October	35	-72	107	15	46.95	2.08
November	37	-70	107	19	46.95	2.02
December		-107	107		46.95	
Annual Average to date	35	-72		17		

Estimated Annual Cost @	\$ 1.36	per equivalent lb TN/day
Amount due Simsbury	\$6,467	

TMDL	
Year	TN lb/d
2020	107

Equivalent pounds = excess x 0.18

Simsbury Effluent Total Nitrogen





Town of Simsbury

WATER POLLUTION CONTROL
36 Drake Hill Road Simsbury, Connecticut 06070

December 8, 2021

Kristen Tangarone
Director of Operations
Curaleaf
34 Hopmeadow Street
Simsbury CT 06089

Re: 34 Hopmeadow Street – Curaleaf Expansion - Facility Connection Charge (FCC)

Dear Mr. Pechthold:

The FCC was established to collect funds from new or expanded sewer users for the additional sewer and treatment infrastructure that their flows require. An FCC is required for all new sewer and change of use services in the Town of Simsbury.

The Water Pollution Control Authority of the Town of Simsbury has completed an FCC review for the new facilities based on the building plans and use. The total FCC for the building expansion, as calculated, is \$59,377.50.

Typically, this fee is collected when a structure is connected to the collection system; however, it will be due on or before the date that the Certificate of Occupancy is signed by the WPCA.

If you have any questions, please call 658-1380.

Sincerely,

Anthony Piazza
Superintendent
Simsbury WPCF

Enclosures

cc:

P. Gilmore, Chairman, WPCA

T. Roy, Director of Public Works

M. Glidden, Director of Planning & Development

H. Miga, Building Official

Tracy Poirot, Greystone Court West 573 Hopmeadow Street, P.O. Box 95

Telephone (860) 658-3258
Facsimile (860) 658-6809

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7:00 – 3:30 Monday through Friday

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
NOVEMBER 18, 2021
“Subject to Vote of Approval”**

1. CALL TO ORDER

Paul Gilmore called the regular meeting of the Water Pollution Control Authority to order at 7:01 p.m. via a virtual Zoom meeting. The following members were present: Jacques Brignac, Lucian Dragulski, Tom Hickey and Michael Park. Also present were Tony Piazza, Superintendent and Alison Sturgeon, Clerk.

2. SAFETY BRIEF - Mr. Gilmore cautioned people, as the cold months are upon us, to be careful of black ice.

3. PINE HILL HOMEOWNER’S ASSOCIATION SEWER UPGRADE REQUEST - UPDATE

Mr. Piazza stated that he and Tom Roy met with the Pine Hill Homeowner’s Association residents. They are asking the WPCA to potentially take over their sewers once they are up to Town standards. He stated that this request is similar to the Maple Court and the Woodland Street upgrade projects; they are all Ensign Bickford housing. At the meeting, residents were given information regarding the process for taking over the sewers; the potential for a public hearing; and the design concepts. They also discussed their options, one of which could be lining the sewers to improve what already exists there, although this option would not allow the sewers to be taken over by the Town since they still would not be up to Town standards.

Mr. Piazza stated that the last evaluation of the sewers in the Pine Hill Homeowner’s Association was done in 2008. Town staff recommended that residents get a video evaluation of their system done. The Homeowner’s Association requested that Town staff video and inspect their sewer system. Mr. Piazza let them know that their video equipment may not fit into some of the sewer lines. But ultimately, permission would be needed from the WPCA in order to do this evaluation. He stated that if they were to do this evaluation, standard rates would apply.

Mr. Gilmore questioned if there was a standard rate for this type of work and if there were any risks associated with doing the work. Mr. Piazza stated that they do have a rate for this type of work, which would include a cost for the vehicle used as well as labor costs; there are no risks for Town staff to perform the work.

Mr. Hickey questioned if the Town has ever done this type of work before. Mr. Piazza stated that staff has, in the past, done video work for the Town of Avon, although not as in depth as this inspection would be. Staff also inspected the sewers in Stratton Forest prior to taking over their sewers.

Mr. Hickey made a motion to authorize the Town staff of the Water Pollution Control to employ their assets and personnel to perform a video assessment of the sewer pipes in the Pine Hill Homeowner’s Association. Dr. Park seconded the motion, which was unanimously approved.

4. STATUS REPORT ON SEWER EXTENSION PROJECTS, ETC.

Mr. Piazza stated that the Ridge at Talcott Mountain has pulled permits for the final four buildings. Regarding the Woodland Street sewer upgrade project, the oak tree was removed and the pipe jacking has been completed under the sycamore tree. The major portion of the upgrade work will be completed by the second week in December and laterals will be finished shortly after that.

5. TREATMENT FACILITY REPORT

Mr. Piazza stated that all permit requirements were met for the month of October. Town 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.

Mr. Piazza stated that Granite Inliner will return in November to complete this year’s work. The lining of the Tunxis Pump Station will be completed during the winter months after we received a more favorable price for excavation work.

The secondary clarifier launder covers project bid closing date was March 25th. RH White will be awarded the contract for the work at a cost of \$147,000, which was approximately \$55,000 less than expected. Staff has been working with Tighe & Bond with a design issue regarding the building code for the wind and snow load of the covers. This will delay the installation with a start of December.

Mr. Piazza stated that the open operator position was reposted since no favorable candidates were found.

6. **CORRESPONDENCE – None.**

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

Dr. Park made a motion to approve the October 14, 2021 minutes as written. Mr. Dragulski seconded the motion, which was unanimously approved.

8. **PROPOSED WPCA 2022 MEETING SCHEDULE – POSSIBLE APPROVAL**

Mr. Dragulski made a motion to approve the WPCA 2022 meeting schedule as proposed. Mr. Brignac seconded the motion, which was unanimously approved.

9. **ADJOURN**

Mr. Hickey made a motion to adjourn the meeting at 7:18 p.m. Mr. Dragulski seconded the motion, which was unanimously approved.

Paul Gilmore, Chairman