

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

FEB 8 2022 AM 11:26
RSH MURPHY TOWN CLK

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Simsbury Water Pollution Control Authority Regular Meeting

Thursday
February 10, 2022
7:00 p.m.

A G E N D A

- 1) Safety Brief
- 2) FY 2022/23 Budget – Possible Approval
- 3) Murphy’s Turn – Sewer Acceptance
- 4) Highcroft Townhomes – Sewer Acceptance
- 5) Status Report on Sewer Extension Projects, etc.
- 6) Treatment Facility Report
- 7) Correspondence
- 8) December Meeting Minutes – Possible Approval
January Meeting Minutes – Possible Approval
- 9) Adjourn

Town of Simsbury
Water Pollution Control
Budget Year 2022-2023

Account	Description	20/21			21/22			22/23		
		Approved	Actual	% Used	Approved	Actual	% Used	Budget Requested	\$ Change Dollar	% Change Percent
51010	FULL TIME	841,345	784,425	93.23	870,649	324,555	37.28	864,555	-6,094	-0.70
51030	OVERTIME	58,804	53,805	91.50	68,285	29,513	43.22	59,002	-9,283	-13.59
51040	SEASONAL	16,800	0	0.00	16,800	0	0.00	16,800	0	0.00
51110	MAJOR MEDICAL	231,321	218,861	94.61	252,140	62,036	24.60	274,833	22,693	9.00
51120	LIFE INSURANCE	4,291	3,819	88.99	4,400	1,752	39.82	4,409	9	0.21
51130	DISABILITY INSURANCE	3,029	2,647	87.38	3,134	1,230	39.25	3,112	-22	-0.69
51200	SOCIAL SECURITY	70,147	64,373	91.77	72,502	13,285	18.32	71,937	-565	-0.78
51320	TOWN PENSION PLAN	180,534	143,754	79.63	180,534	143,250	79.35	180,534	0	0.00
51500	UNEMPLOYMENT COMPENSATION	0	0	0.00	0	0	#DIV/0!	0	0	#DIV/0!
51600	WORKMEN'S COMPENSATION	16,724	16,724	100.00	16,724	0	0.00	16,724	0	0.00
52110	CONSULTANT FEES	48,000	576	1.20	33,000	2,262	6.85	33,000	0	0.00
52200	CONTRACTURAL SERVICES	67,722	61,483	90.79	29,615	31,144	105.16	42,215	12,600	42.55
52210	COMPREHENSIVE PROP & CAS	37,170	37,170	100.00	37,000	0	0.00	37,000	0	0.00
52220	FLEET INSURANCE	0	0		0	0				
52230	BOILER INSURANCE	0	0		0	0				
52400	ADVERTISEMENTS	1,300	1,194	91.82	700	0	0.00	700	0	0.00
52510	COPY & PRINTING	750	1,082	144.29	750	0	0.00	750	0	0.00
52550	POSTAGE	2,200	396	18.02	2,200	403	18.32	2,200	0	0.00
52620	EQUIPMENT RENTALS	1,500	1,180	78.68	1,500	339	22.60	1,500	0	0.00
53100	OFFICE SUPPLIES	1,500	139	9.24	1,500	476	31.73	1,500	0	0.00
53105	TECH & PROGRAM SUPPLIES	2,000	800	39.99	2,000	0	0.00	2,000	0	0.00
53200	BUILDING SUPPLIES	2,000	275	13.76	2,000	0	0.00	2,000	0	0.00
53210	CLEANING SUPPLIES	2,300	753	32.75	2,300	293	12.74	2,300	0	0.00
53300	AGRICULTRUAL SUPPLIES	250	0	0.00	250	0	0.00	250	0	0.00
53410	ROAD & DRAINAGE SUPPLIES	11,000	7,846	71.32	7,500	507	6.76	7,500	0	0.00
53505	CHEMICALS & LAB SUPPLIES	48,075	55,372	115.18	48,075	37,560	78.13	48,075	0	0.00
53600	PARTS SUPPLIES	52,000	46,400	89.23	50,000	24,500	49.00	50,000	0	0.00
53700	CLOTHING & SAFETY SUPPLIES	8,165	7,943	97.28	8,310	5,403	65.02	8,310	0	0.00
53800	LUBRICANTS	2,800	500	17.86	2,000	4,323	216.15	3,000	1,000	50.00
54310	EQUIPMENT MAINTENANCE	22,740	19,989	87.90	22,740	11,820	51.98	22,740	0	0.00
54320	VEHICLE MAINTENANCE	7,500	2,472	32.96	6,250	5,858	93.73	6,250	0	0.00
54330	FACILITIES MAINTENANCE	17,400	16,584	95.31	17,900	10,276	57.41	17,900	0	0.00
55110	WATER CHARGE	8,230	8,108	98.52	9,230	2,448	26.52	10,230	1,000	10.83
55210	NATURAL/PROPANE GAS	32,150	28,438	88.45	29,150	19,880	68.20	35,150	6,000	20.58
55220	ELECTRICITY	297,602	233,313	78.40	296,752	123,560	41.64	347,842	51,090	17.22
55260	GASOLINE	14,690	6,613	45.02	11,955	7,766	64.96	11,955	0	0.00
55310	TELEPHONE	5,040	3,901	77.40	5,040	4,199	83.31	5,040	0	0.00
55350	REFUSE DISPOSAL	222,700	252,227	113.26	222,700	86,588	38.88	255,450	32,750	14.71
56910	PUBLIC AGENCY SUPPORT	115,000	11,500	10.00	115,000	0	0.00	115,000	0	0.00
57400	CONFERENCES AND EDUCATION	5,565	1,379	24.78	5,565	1,500	26.95	5,565	0	0.00
57800	TRAVEL	1,000	245	24.49	1,000	0	0.00	1,000	0	0.00

Town of Simsbury
Water Pollution Control
Budget Year 2022-2023

Account	Description	20/21			21/22			22/23		
		Approved	Actual	% Used	Approved	Actual	% Used	Budget Requested	\$ Change Dollar	% Change Percent
57910	DUES & SUBSCRIPTIONS	1,620	530	32.72	1,340	913	68.13	1,340	0	0.00
58430	SEWER IMPROVEMENTS	32,000	17,066	53.33	32,000	1,412	4.41	32,000	0	0.00
58560	WPC PLANT COMPUTER EQUIP	1,200		0.00	600	0	0.00	600	0	0.00
58570	MACHINERY & EQUIPMENT	87,000	74,317	85.42	50,000	29,895	59.79	75,000	25,000	50.00
58810	COMPUTER SOFTWARE				35,708	1394	3.90	35,708	0	0.00
58900	CNR				95000			430,000	335,000	352.63
TOTAL O&M Budget		2,583,164	2,188,198	84.71	2,576,798	990,340	38.43	2,712,976	136,178	5.28

Town of Simsbury
 Water Pollution Control
 Budget Year 2022-2023

Account	Description	20/21			21/22			22/23		
		Approved	Actual	% Used	Approved	Actual	% Used	Budget Requested	\$ Change Dollar	% Change Percent
Clean Water Fund Loan Payment - Simsbury Share ** needs to be with granby and avon for tracking expenditures										
59500	PRINCIPAL PAYMENT CWF LOAN	649,266	649,266		649,266	649,266	649,266	649,266	649,266	100.00%
59550	INTEREST PAYMENT CWF LOAN	206,014	206,014		206,014	206,014	206,014	206,014	206,014	100.00%
	Total	855,280	855,280		855,280	855,280	855,280	855,280	855,280	100.00%
Total		3,438,444	3,043,478	88.51	3,432,078	1,845,620	53.78	3,568,256	136,178	4.47%

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													
Pine Hill Homeowner's Association	9/1/2021	1-11 Stebbins Brook Lane 1-12 Middle Lane 1-12 Woods Lane 1-3 South Road 33-39 Pine Hill Drive																				

s: WPCA / Sewer Extension Spreadsheet

Town of Simsbury

Water Pollution Control

Memorandum

To: Water Pollution Control Authority

From: Tony Piazza

Date: February 10, 2022

Re: January 2022 Summary Report

Permit Compliance: On January 6th the plant had an upset due to a failure of the main aerator VFD and a high solids loading with one clarifier being on line. A violation of the daily Total Suspended Solids (TSS) occurred. All corrective actions were taken to limit the time of the violation. All required reports have been submitted to the DEEP. All other permit requirements were met for the month of January.

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 has been received and is being reviewed by staff.

Sewer Lining

Granite Inliner completed the work at town hall. The lining of the Tunxis Pump Station is expected to be completed in the spring.

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 has been completed on one of the secondary clarifiers. The second clarifier is currently being worked on and is scheduled to be completed in two weeks.

Staffing:

Initial interviews have been completed for the open operator position, final steps will be completed this week.

Summary Data from the Monthly Operating Report

PARAMETER	UNITS	Dec-22	Jan-22	Past 6 Months	
Average Daily Flow	mgd	1.95	1.90	2.14	
Peak Daily flow	mgd	5.10	4.00	5.76	
Total Septage Received	gallons	467,800	130,300	455,071	
Population Equivalent	@0.17 lbBOD/capita/d	27,264	24,608	26,324	
BOD	Influent	mg/L	285	264	254
	Final Effluent	mg/L	5	10	4
	Percent Removal	%	98	96	98.26
TSS	Influent	mg/L	396	299	340
	Final Effluent	mg/L	3	12	5
	Percent Removal	%	99	96	98.52
TN	Influent	mg/L	36.0	40.4	36.4
	Final Effluent	mg/L	3.1	4.3	2.3
	Percent Removal	%	91	89	93.59
P	Influent, Ortho P	mg/L	1.76	2.66	2.25
	Effluent, Ortho P	mg/L	0.32	0.05	0.65
	Influent, Total P	mg/L	4.76	5.02	4.91
	Effluent, Total P	mg/L	0.87	0.24	0.90
	Effluent, Total P	lb (46.65 lb/d TMDL)	14.15	3.80	16.30
	Percent Removal	%	82	95	79.68
Aeration	MLSS	mg/L	4720	4843	4697
	SVI	ml/g	175	178	181
	DO, Avg. High	mg/L	0.3	0.3	0.2
	DO, Avg. Low	mg/L	0.26	0.19	0.2
	F/M ratio		0.14	0.12	0.14
	Organic loading	lb BOD/700 ft3	41	37	40
	Solids production	lb sldg/lb BOD rem	0.80	0.80	0.86
Total Sludge Trucked		dry ton	56	50	58

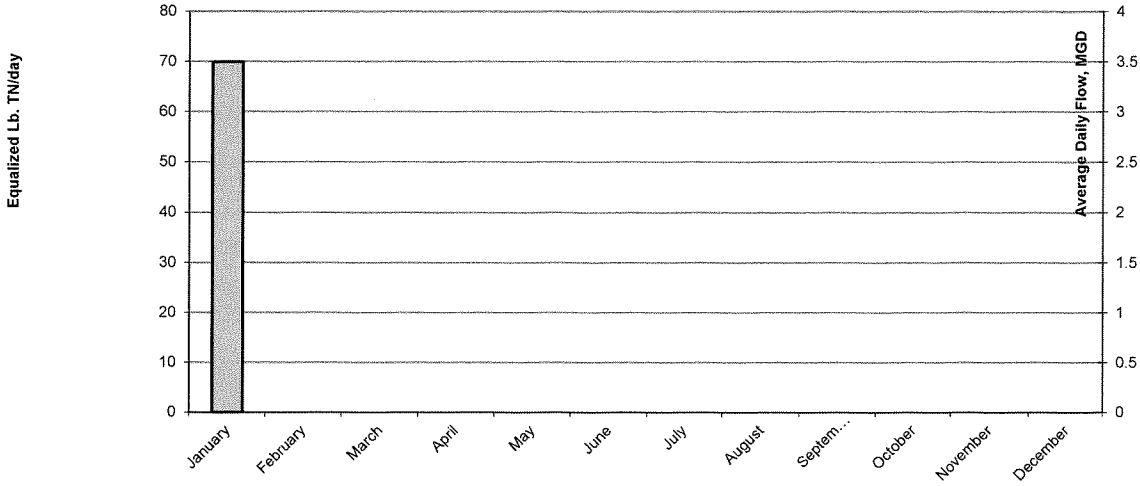
Month	Average Pounds TN/day	Excess Pounds TN/day	TN TMDL	Average Pounds Phos/day	TP TMDL	Monthly Avg Flow
January	69.9	-37	107	3	46.95	1.90
February		-107	107		46.95	
March		-107	107		46.95	
April		-107	107		46.95	
May		-107	107		46.95	
June		-107	107		46.95	
July		-107	107		46.95	
August		-107	107		46.95	
September		-107	107		46.95	
October		-107	107		46.95	
November		-107	107		46.95	
December		-107	107		46.95	
Annual Average to date	70	-37		3		

Estimated Annual Cost @	\$ 1.36	per equivalent lb TN/day
Amount due Simsbury	\$3,315	

TMDL	
Year	TN lb/d
2020	107

Equivalent pounds = excess x 0.18

Simsbury Effluent Total Nitrogen



**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
DECEMBER 9, 2021
“Subject to Vote of Approval”**

1. CALL TO ORDER

Michael Park called the regular meeting of the Water Pollution Control Authority to order at 7:04 p.m. via a virtual Zoom meeting. The following members were present: Jacques Brignac, Lucian Dragulski, Tom Hickey and Ed Kelly. Also present were Thomas Roy, Director of Public Works and Alison Sturgeon, Clerk.

2. SAFETY BRIEF – Dr. Park cautioned people to drive carefully during the unpredictable New England weather. Also, be aware that bears are still out; keep trash and grills secure.

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

Mr. Roy stated that he and Mr. Piazza met with the residents of the Pine Hill Homeowner Association last month. The sewers are owned by the Association but do not meet the Town’s current standards, which would be needed in order for the Town to take them over. He stated that this is a similar situation to the Maple Court sewer upgrade, although this is a larger development of approximately 42 homes.

The Association’s sewer system was recently inspected by Town staff. They were found to be in poor condition; the camera could not make it through in many places due to blockages and offset joints. He stated that lining the pipes is no longer an option since a camera is not able to get through.

Mr. Roy stated that the Pine Hill Homeowner Association has petitioned the Board of Selectmen as to whether some of the Town’s ARPA funding (Federal Covid funding) could possibly be used for this project. The Town’s current understanding is that it would not be able to be used, although if it could be used, it would be used for all privately-owned sewers that are in this similar situation moving forward.

Mr. Roy stated, at this point, they will wait and see if the Pine Hill Homeowner Association would like to move forward and petition the Town for this project.

4. STATUS REPORT ON SEWER EXTENSION PROJECTS, ETC.

Mr. Roy stated that the Woodland Street / Hopmeadow Street sewer upgrade project is being done by Tabacco & Son. They are hoping to complete the project by early spring, at which time the Town would be in a position to take over their sewers. There is a bit of pressure to complete the job by spring because the bridge over Hop Brook is scheduled to be replaced next summer as part of a DOT project.

5. TREATMENT FACILITY REPORT

Mr. Roy stated that all permit requirements were met for the month of November. 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. The draft copy of the plan should be delivered in January.

Granite Inliner will return on December 15th to complete their work at the Town Hall. The lining of the Tunxis Pump Station will be completed in January since a more favorable price for the excavation work was received.

The project bid closing date for the secondary clarifier launder covers 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.

Regarding personnel, the open operator position was reposted since no favorable candidates were found.

6. CORRESPONDENCE

The Authority members reviewed a letter from Mr. Piazza to Curaleaf regarding the facility connection charge for their new building expansion.

7. NOVEMBER MEETING MINUTES – POSSIBLE APPROVAL

Mr. Brignac made a motion to approve the November 18, 2021 minutes as written. Mr. Dragulski seconded the motion, which was approved. Mr. Kelly abstained.

8. ADJOURN

Mr. Hickey made a motion to adjourn the meeting at 7:16 p.m. Mr. Kelly seconded the motion, which was unanimously approved.

Michael Park, Acting Chairman

**WATER POLLUTION CONTROL AUTHORITY
REGULAR MEETING
JANUARY 13, 2022
“Subject to Vote of Approval”**

1. CALL TO ORDER

Michael Park called the regular meeting of the Water Pollution Control Authority to order at 7:05 p.m. via a virtual Zoom meeting. The following members were present: Lucian Dragulski and Jacques Brignac. Also present were Anthony Piazza, Superintendent, Thomas Roy, Director of Public Works and Alison Sturgeon, Clerk.

Although there was not a quorum at this regularly scheduled meeting, no agenda items were voted on.

2. SAFETY BRIEF – Dr. Park cautioned everyone to be careful of black ice and especially ice that is hidden under snowfall.

3. FY 2022/23 BUDGET - DISCUSSION

Regarding the FY 22/23 budget, Mr. Piazza stated that payroll has decreased since several seasoned employees have retired, although insurance costs may need to be updated prior to the Authority members voting on the budget next month. There was an increase in the lab line item because of outsourcing some of the lab analysis and because of increased costs from the vendor. He stated that electrical and natural gas costs are increasing, as well as refuse, due to contract costs with MDC and the sludge hauler. Mr. Piazza stated that overall, there is a 4.5% increase over last year's budget. Last year, there was a 0% increase in the budget and for several years prior to that, there have been 1-1.5% increases.

Regarding capital projects, Mr. Piazza stated that these include safety railings for building rooftops; an evaluation of the primary clarifiers to either repair or decommission them; replacement of the HVAC controls; SCADA computers; and continuation of the sewer lining project.

Mr. Dragulski questioned what type of safety rails would be installed on the rooftops and what types of controls would be purchased for the HVAC. Mr. Piazza stated that the railings will most likely be removeable held down by weights and explained that a jace system has been used in the past regarding the HVAC. Mr. Roy stated that Matthew Hopkins, Facilities Supervisor for Building and Grounds, will be working with Tony regarding the HVAC controls; Mr. Dragulski's input would also be appreciated.

4. STATUS REPORT ON SEWER EXTENSION PROJECTS, ETC.

Mr. Piazza stated that the Woodland Street/Hopmeadow Street sewer upgrade project is progressing. Work has been completed along Hopmeadow Street as well as the south end of Woodland Street. The lawn restoration and sidewalk replacement to the homes will be done in the spring. The contractor is currently working behind Table 570 installing that line to pick up the last few homes on the east side of Hopmeadow Street. Once completed, they will then begin work at Dyno Nobel.

Mr. Piazza stated that the sewers for Murphy's Turn and Highcroft Townhomes will be on the agenda next month for acceptance.

Regarding the Pine Hill Homeowner's Association, Mr. Roy stated that there was some discussion regarding if this project would be a qualifying expense in terms of the ARPA funding. He stated that there has been a slight change and the Finance Director now believes that it may qualify, although this does not necessarily mean that the Town will want to go in that direction.

5. TREATMENT FACILITY REPORT

Mr. Piazza stated that all permit requirements were met for the month of December. He stated that staff continues 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. The draft copy of the plan should be delivered in January.

Regarding the sewer lining, Mr. Piazza stated that Granite Inliner completed the work at the Town hall. The lining of the Tunxis Pump Station is expected to be completed in the coming weeks.

The secondary clarifier launder covers project bid closing date was March 25th. R.H. White was awarded the contract for the work at a cost of \$147,000. This was approximately \$55,000 less than expected. Work has been completed on one of the secondary clarifiers. The second clarifier is scheduled to be completed in January. Mr. Roy stated that during this project, where half of the clarifying capacity is down for several weeks and having to keep the plant running smoothly, staff has been doing a great job.

Mr. Piazza stated that the open operator position was reposted and interviews will be scheduled in January.

6. **CORRESPONDENCE** – None.

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

Mr. Roy made one edit to the December meeting minutes.

The December meeting minutes will remain on the agenda for next month since there is not a quorum.

8. **ADJOURN**

The meeting ended at 7:29 p.m.

Michael Park, Acting Chairman