

ANY INDIVIDUAL WITH A DISABILITY WHO NEEDS SPECIAL ASSISTANCE TO PARTICIPATE IN THE MEETING SHOULD CONTACT THE ADA COORDINATOR AT 203-385-4020 OR 203-385-4022 (TDD) 5 DAYS BEFORE THE MEETING, IF POSSIBLE.

MEETING NOTICE / AGENDA

WATER POLLUTION CONTROL AUTHORITY

October 26, 2020

The Stratford Water Pollution Control Authority (WPCA) will conduct a virtual meeting on Monday, October, 26, 2020 immediately following Ordinance Committee meeting which is scheduled to commence at 7:00 via go-to-meeting (link to be provided to authority members). The public can listen to the meeting in real time by calling **Dial-in#: 1 (224) 501-3412 Access Code: 561-915-061**

1. Call to Order
2. Approval of Minutes — Minutes of regularly scheduled meeting of September 28, 2020
3. Report: Town Engineer
4. Report: WPC Plant Superintendent
5. New Business/Other Business

Schedule of WPCA meetings for 2021 – The fourth Monday of every month immediately following Ordinance Committee meeting which is scheduled to begin at 7:00 p.m. Should Ordinance Committee meeting not take place, then Water Pollution Control meeting will go forward at 7:00 p.m.

Monday	January 25, 2021
Monday	February 22, 2021
Monday	March 22, 2021
Monday	April 26, 2021
Monday	May 24, 2021
Monday	June 28, 2021
Monday	July 26, 2021
Monday	August 23, 2021
Monday	September 27, 2021
Monday	October 25, 2021
Monday	November 22, 2021
Monday	December 27, 2021

6. Adjournment.



Memorandum

To: WPCA Members
From: John Casey, Town Engineer
Department: Engineering
Date: October 26, 2020
RE: WPCA report

A. Action Items:

- a. Pump Station project Clean Water Fund agreement- Ineligible items not included in the CWF were \$31,944 (6,389 for SCADA telemetry 1 year communication contract plus 25,555 for additional 4 years of communication contract). Since these are ineligible, we propose to request a credit from the contractor for this cost and instead fund these from operating funds each year.
- b. Sewer Rehabilitation- Added costs for remobilization, final cleaning and lateral reinstatement- no to exceed \$29,182.

B. Project Summary Report

1. Five Pump Stations Rehabilitation project- The Clean Water Fund application is still being processed by the state DEEP for final agreement.

The contractor has mobilized at Benton St, where field offices have been set up, and Ryders La, where construction has begun. The underground fuel storage tank UST that was in place to serve the generator has been removed with no issues to report. Further review of the generator suggests the size of the internal tank may need to be increased. We are awaiting options / budgetary costs. Micropile installation is underway.

2. Sewer projects:

a. Sewer I/I & Capacity project: I/I Implementation

Capital Funding regarding this project was discussed at the last meeting. Once accounts are set up for the funding of this project, the contractor will be authorized to proceed.

b. Sewer Rehabilitation- For the 18" PCCP pipe on Hartland, we inadvertently left off the remobilization costs, final cleaning and lateral reinstatement costs for the added lining work previously approved. This cost is estimated at 21,950, 4,671 and 2,561 respectively for a total of \$29,182. The manhole liner work at Walnut St is still to be scheduled.

3. Coastal Resiliency- Capital Funding regarding Coastal Resiliency protection at the WPCF was discussed at the last meeting. Additional information to be provided by the Finance Director.



Memorandum

To: WPCA Members
From: Tom Hyde
Department: WPCA
Date: 10/21/20
RE: October 28, 2020 WPCA Board Report for month of September, 2020

1. Monthly Operating Report for September is attached –

- In the second half of September the treatment facility was hit with another toxic load which resulted in three NPDES Permit violations. First, the BOD (Bio-chemical Oxygen Demand) limit was not met on September 24th, additionally the TSS (Total Suspended Solids) limit was exceeded on September 24th and 25th 2020.

This was not as devastating as the July 2020 episode however it set the Nitrogen Exchange recovery process back an additional month or two. The plant is currently running well.

2. Plant Maintenance – Performed general facility maintenance while performing the following repairs.

- Aeration Tank #1: Replaced internal recycle pump and controller in Aeration Tank #2.
Placed hoses and equipment into winter storage.
- Front Gate Replaced/repaired bent locking pin.
- Pipe Galley Way Replaced sump pump beneath aeration tanks.
- SCADA System Switched faulty Operations SCADA monitor.
- Odor Control Wired replacement solenoid for Odor Control.
Drained system to reduce operational noises during operation.
- Plant Grounds: Maintained weekly mowing and trimming.
- Pump Stations: Breakwater PS - Pumped down and cleaned wet well.
Removed, cleared and reset pump.
Broadbridge PS - Cleared, reset and tested pump motor #1.
Frog Pond PS – Installed water level transducer.
Pecks Mill Pond PS – Repaired pump #2.
Maintained grounds through mowing, trimming and brush removal.
- Soda Ash Tower: Cleaned fouled pump.

Training: Achieved 86 hours of voluntary cross training in operations.
 Achieved 16 hours of cross training in Lab.

3. New Items-

- The Internal Recycle Pump which was removed from Aeration Tank #1 in September requires rebuilding. The quote to rebuild this pump per Bid 2018-001 is \$15,996.00. Request to move forward with this repair and draw funds from the Capital Outlay Contingency line 38938 6641 set aside for this purpose.

-The Plant Water Strainer used to remove any solids from the plant effluent water that will be used as service water within the plant is failing and leaking severely. Estimates on repairs or replacement of this unit are ranging from \$30,000 to \$60,000. A request to move forward with this project and where the funds are to be drawn from will be in the near future upon determining the best option.

Date: October 13, 2020
 Subject: Operation for September, 2020
 From: Thomas Hyde, Superintendent of Water Pollution Control
 To: Mayor Laura Hoydick, Water Pollution Control Authority

Operating Report

-For the month of September 2020 there were three (3) violations of our discharge permit. Starting September 24th we detected solids loss from the secondary tanks which resulted in a high Biological Oxygen Demand (BOD) release on September 24th and high Total Suspended Solids (TSS) releases on September 24th and 25th.

-Any value out of compliance with our permit would be **bold and underlined**.

Designed Plant Flows:	Daily Average	11.50 mgd *1	Actual	5.46 mgd
	Daily Maximum	13.88 mgd	Actual	11.30 mgd

Permit Parameter:	Effluent Limit		Effluent Achieved	
BOD (Biochemical Oxygen Demand):	Daily Max:	50.0 mg/l *2	Highest Day	75 mg/l
	Max. Monthly Ave:	30.0 mg/l	Monthly Ave.	8 mg/l
	Minimum % Removal	85.0%	Actual Rem.	97.4 %
TSS (Total Suspended Solids):	Daily Max.	50mg/l	Highest Day	143 mg/l
	Monthly Ave.	30.0 mg/l	Monthly Ave.	20 mg/l
UV Transmittance:	Range	0 – 100%	Minimum	55%
			Maximum	72%
Fecal Coliform:	30 day geometric mean	32/100ml	30 Day Mean	21/100ml
PH:	Minimum	6.0	Minimum	6.61
	Maximum	9.0	Maximum	6.94
Other:	No visible oil or floating solids		Non observed	
	Must not cause foaming or discoloration beyond permitted zone.		Non Observed	
Annual daily limit of Nitrogen:	Ammonia (N)	2.48 mg/l	Nitrate Nitrogen	1.32 mg/l
	Total Nitrogen	<8.0 mg/l	Total Phosphorus	1.02 mg/l
	Pounds /day allowed	356	Pounds/day actual	342
	Rolling Year to Date Ave.	408		

PDefinitions: *1 mgd = million gallons per day

*2 mg/l = milligrams per liter