



FARMINGTON WATER POLLUTION CONTROL AUTHORITY
Meeting Minutes
Wednesday, April 8th, 2020
Online Meeting (Covid-19)

A. **PUBLIC HEARINGS**

None

B. **REGULAR MEETING**

Chairman Peter Bagdigian called the online meeting to order at 7:06 P.M. on Wednesday April 8th, 2020.

Members Present: Chairman Peter Bagdigian, Vice Chairman James Foote, Kevin Ray, Jennifer Wynn, Philip Cordeiro

WPCF Staff Present: Mark Batorski, WPCF Superintendent, Russell M Arnold, Jr., P.E. Public Works Director/Town Engineer

Also Attending: Joe Capodiferro, Council Liaison

C. **ACCEPTANCE OF MINUTES**

Motion: To accept the minutes of the Wednesday March 11th, 2020 Meeting.

Upon a motion duly made a seconded (Foote/Wynn) the Authority

Voted: To accept the minutes of the Wednesday March 11th, 2020 Meeting.

D. ORAL PETITIONS – PUBLIC COMMENTS

None

E. COMMUNICATIONS / REPORTS

1. WPCF Monthly Operating Report Summary March 2020. Mark Batorski informed the authority that operations met all regulatory requirements. (See Attached)

F. DIRECTOR OF PUBLIC WORKS / PROJECT ENGINEER'S REPORT

1. Current reported dated March 2020 – Mark Batorski WPCF Superintendent briefed the Authority on the following projects:

Private Sewer Construction

1. Yorkshire Condominiums:

Developers Sewer Permit Agreement for Phase 2 and payment has been received. Work continues as necessary.

2. Steven Circle:

Developers Sewer Payment Agreement and payment has been received. Work has commenced.

3. Sachem Court- Formerly Maied Manor – New Britain Avenue

Developers Sewer Permit Agreement and payment has been received. Work has been completed, home construction to commence soon.

4. Bridgehampton – Final Phase

Developers Sewer Payment Agreement and payment has been received. Sewer has been installed, awaiting final testing and approval.

Public Sewer Construction

1. None

Sewer Pump Station Construction and Repairs

A. Centerbrook Pump Station

1. On March 3rd, 2020 plant operators responded to a pump failure at the Centerbrook Pump Station. Upon pulling and inspecting the pump, operators verified there was no debris in the pump. After reinstalling the amps were running higher than normal and the pump was pulled to be inspected further. Pump #1 is currently at Flygt and the critical spare was installed at the station.

B. Uconn Pump Station

1. On March 17th, 2020 plant operators pulled pump #3 at the Uconn pump station. Upon inspecting the pump, operators found the seal had failed and installed our second KSB pump (rebuilt in 2017) as a spare and sent the pump to REM (Reliable Electric Motors) in Hartford. A new seal will be installed, and a new control cable will be added. A third Homa pump may be needed as a spare as the remaining KSB's are getting close to the end of their mechanical life.

C. Devonwood pump Station

1. On March 18th, 2020 operators tested the generator as part of their weekly rounds at the Devonwood pump station. After running they were unable to shut the generator off (toggle switch failed). A new toggle switch was installed, and the system is now back to normal operation. On March 25th, 2020, operators pulled pump #2 at the Devonwood Pump Station and removed rags from the impeller. The wet well heights were re-adjusted (increased). When the Devonwood upgrade was recently finished, wet well heights were adjusted to prevent backup into the influent wet well pipe. However, after lowering the on/off depths to prevent backup, the lower level also allowed more rags to settle and get sucked into pumps. As we continue to find the best level, we will continue to adjust these levels to desired depth.

D. Stanley Pump Station

1. On March 30th, 2020 operators responded to a pump #1 failure at the Stanley Pump Station. After checking the soft start, it was verified that the pump failed on a phase loss fault. Occasionally this is observed when the generator is started for its weekly testing. Operators will continue to monitor this and document any findings.

E. Patrick Flood Pump Station

1. On March 30th, 2020 operators responded to a pump failure at the Patrick Flood Pump Station. Upon entering the building operators observed that the clip which holds the solenoid and magnet together had fallen off. When the pump was called to run the solenoid not open and allow the vacuum to start. After reinstalling a new clip & solenoid, the pump was run and worked as normal

Pump Station Control and Radio Communication Systems

1. On March 3rd, 2020 plant operators check the battery for the Motorola I & C at the Centerbrook Pump Station.
2. On March 23rd, 2020 Baltazar's subcontractor began installing temporary fencing and dewatering for the Batterson Park Upgrade.
3. On March 30th, 2020, plant personnel starting cleaning and waxing the VAC truck in preparation for spring jetting.
4. Devonwood and South Road pump stations had new Motorola's installed, staff and NorcomCT are currently working on the remaining stations.

WPCF Repairs and Upgrades

1. On March 3rd, 2020 plant management received the results of the DEP Inspection on February 4th and 5th 2020. This inspection covered the entire facility, laboratory, and all EPA/DEP Reporting. There were no violations and citations and it was stated that the facility was running well and was clean. They were a couple recommendations that were already implemented (adding a separate thermometer for the drying oven, extra date, time, & initials, for samples and results.).
2. On March 20th, 2020 WPCF staff started adding MicroC to start carbon addition testing. Plant staff will be testing this along with several other process changes as the spring/summer begins. Management and the Laboratory Analyst will work together to optimize this process as much as possible throughout the season.

3. On March 23rd, 2020, operators installed the UV's after cleaning them and replacing the ActiClean Gel and grease. This system is running and is online in order to meet the April 1st – October 31st permit limits.
4. On March 23rd, 2020 the PAC system was put online for the April 1st-October 31st phosphorus permit limits. Management and the Laboratory Analyst will work together to optimize this process as much as possible throughout the season in order to reduce chemical costs and benefit from Bio-P.
5. On March 28th, 2020 primary pump #2 failed on overload. This is the same overload problem as past with not enough inertia to overcome the initial start. Once the gear boxes are installed this should no longer be an issue.

CT DEEP Updates

1. The New Farmington WPCF NPDES Permit #0100218 went into effect September 1st, 2019.
2. The CT DEEP has renewed The General Permit for Nitrogen Discharges, effective January 1, 2019 through December 31, 2023. The General Permit limits will remain the same as the current permit.
3. WPCF staff attended training for use of the online reporting system of sewer bypasses, effluent noncompliance, and equipment failures.
4. The annual EPA Biosolids Report for the WPCF has been submitted.

Plant Upgrade

1. On March 30th, 2020 Blower #1 and Blower #3 failed on high temp. Upon investigation it was noted a simple 120V cooling fan was not turning on in order to cool the radiator, once running the temps decrease quickly. The issue has not repeated itself, Management reached out to Atlas Copco and is awaiting a response
2. Final Clarifier #1 had new washers and nuts installed by C.H. Nickerson. When the temperature allows Nickerson will come back out and re-level tank #1. They will also install new washers and nuts in final clarifiers #2, and #3.
3. Wright Pierce purchased the new gear reducers (4) for the primary sludge pumps. These will help with the overload problems experienced on startup. They are scheduled for installation in the next couple weeks, this is at no cost to the town.
4. New record books were put into use to track maintenance and critical parts.
5. JKB Consulting finalized the SWPPP in January 2020. This new permit is in affect and includes (weekly, monthly, and quarterly inspections) and semi-annual sampling and toxicity testing.

Inter-Town Sewer Use Agreements

1. The Avon flow meter was calibrated by the manufacturer's representative in September 2019 with staff from both towns present.

WPCF Safety Initiatives

1. Dean Jendsen from CPI northeast has retired and is no longer providing services for the Town of Farmington. A request for proposal for OSHA consulting services was posted and the town is currently looking at several companies.
2. CONN-OSHA issued the final inspection report for the WPCF and the 6 items listed have all been addressed and completed.

PLAN REVIEWS/APPROVALS

1. Subdivision application received for Main Gate Subdivision of (4) lots proposing to connect to sanitary sewer in Route 10.

G. NEW BUSINESS

H. WPCF PLANT UPGRADE

I. EXECUTIVE SESSION

None

J. ANY OTHER BUSINESS THAT MAY COME BEFORE THE AUTHORITY

K. ADJOURNMENT

Motion: To adjourn the April 8th, 2020 WPCA Meeting

Upon a motion duly made and seconded (Ray/Wynn) the Authority voted unanimously.

Voted: To adjourn at 7:24 PM, Motion Passed

Respectfully submitted,
Mark Batorski, Superintendent
Water Pollution Control Facility

cc.
WPCA Members
Town Council Members, email
Devon Aldave, email
Tax Collector, email
Town Clerk, email
Bruce Cyr, email
Everbridge



WPCF SUMMARY REPORT MARCH 2020

	MIN.	MAX.	AVG.
FLOW (MILLION GALLONS PER DAY)	3.4	5.0	4.0
BIO-CHEMICAL OXYGEN DEMAND (mg/L)	INF.	EFF.	Removal Efficiency
	324	4.7	98.5%
SUSPENDED SOLIDS (mg/L)	INF.	EFF.	Removal Efficiency
	556	10.6	98.1%
EFFLUENT AMMONIA (NH3-N) (mg/L)		EFF.	Permit Limit: N/A*
		0.14	N/A*
TOTAL NITROGEN REMOVAL (Lbs/Day)	INF.	EFF.	Removal Efficiency
	1123	267	76.22%
TOTAL EFFLUENT NITROGEN (Lbs/Day)		EFF.	Permit Limit: 178 Lbs/Day
		267	89 Lbs over limit
TOTAL PHOSPHOROUS (Lbs/Day)	INF.	EFF.	Permit Limit: N/A*
	N/A*	N/A*	N/A*
TOTAL EFFLUENT PHOSPHOROUS (mg/L)		EFF.	Permit Limit: N/A*
		2.59	N/A*
BIOSOLIDS (Lbs)	AVG % Solid	Daily	Monthly Total
	21.70%	6,170	135,734
E.coli (Geometric mean)		EFF.	Permit Limit: N/A*
		N/A*	N/A*

N/A* - Monitoring not required during this period