



FARMINGTON WATER POLLUTION CONTROL AUTHORITY MEETING

DATE: Wednesday, October 12th, 2022

TIME: 7:00 p.m.

PLACE: Farmington WPCF 1 Westerberg Drive & Online Meeting (Covid-19)

Meeting Log in Information:

Please click the link below to join the webinar:

<https://us02web.zoom.us/j/84122616114>

Telephone:

US: +1 646 558 8656

Webinar ID: 841 2261 6114

A. PUBLIC HEARINGS

B. CALL REGULAR MEETING TO ORDER

C. ACCEPTANCE OF MINUTES

Motion: To accept the minutes of the September 14th, 2022, meeting

D. ORAL PETITIONS – PUBLIC COMMENTS

E. COMMUNICATIONS / REPORTS

1. WPCF Monthly Operating Report Summary September 2022.

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

1. Current report dated September 2022.
2. Listing of Properties with Sewer Permits Issued September.

G. NEW BUSINESS

1. Election of WPCA Officers.

H. UNFINISHED BUSINESS

I. PUBLIC CORRESPONDENCE (Odor complaints, sewer problems, etc)

J. EXECUTIVE SESSION

K. ANY OTHER BUSINESS THAT MAY COME BEFORE THE AUTHORITY

L. ADJOURNMENT

c.c.

WPCA Members
Town Council Members, e-mail
Maureen Frink, Town Clerk
Tracy Morrocco, Assistant Town Clerk
Devon Aldave, e-mail
Bruce Cyr, e-mail
Joseph Swetcky, e-mail
Russ Arnold, e-mail
Kathy Blonski, e-mail
Bill Parente, Burlington WPCA e-mail
Everbridge



WPCF SUMMARY REPORT SEPTEMBER 2022

	MIN.	MAX	AVG.
FLOW (MILLION GALLONS PER DAY)	2.2	3.7	2.6
BIO-CHEMICAL OXYGEN DEMAND (mg/L)	INF.	EFF.	Removal Efficiency
	327	3.5	98.9%
SUSPENDED SOLIDS (mg/L)	INF.	EFF.	Removal Efficiency
	510	6.2	98.8%
EFFLUENT AMMONIA (NH3-N) (mg/L)		EFF.	Permit Limit: 6.3
		0.39	
TOTAL NITROGEN REMOVAL (Lbs/Day)	INF.	EFF.	Removal Efficiency
	834	114	86.33%
TOTAL EFFLUENT NITROGEN (Lbs/Day)		EFF.	Permit Limit: 178 Lbs/Day
		114	64 Lbs Under the Limit
TOTAL PHOSPHOROUS (Lbs/Day)	INF.	EFF.	Permit Limit: 70.11
	106.5	52.44	
TOTAL EFFLUENT PHOSPHOROUS (mg/L)		EFF.	Permit Limit: 2.79
		2.14	
BIOSOLIDS (Lbs)	AVG % Solid	Daily	Monthly Total
	18.17%	6,257	125,148
E.coli (Geometric mean)		EFF.	Permit Limit: 126
		2.35	

N/A * - Monitoring not required during this period

WPCA Project Update Report

October 12th, 2022

Private Sewer Construction:

A. Yorkshire Condominiums

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

B. Willow Brook Estates

1. Intermunicipal Agreement with Town of Plainville and Developers Sewer Permit Agreement has been completed and payment has been received.
2. Work on Phase 3 – Connection to Farmington on-going.

Public Sewer Construction/Repair:

A. Steven Circle

1. Developers Sewer Permit Agreement and payment have been received.
2. Installation has been completed. Awaiting installation of inverts and air test.
3. All work approved and connection to Bridgehampton approved and completed.

B. Bridgehampton – Final Phase

1. Developers Sewer Permit Agreement and payment have been received.
2. Final Testing has been completed and approved.

Sewer Pump Station Construction/Repairs:

A. Westfarms Pump Station

1. On September 12th, operators responded to a fault on pump #1 at the Westfarms pump station. The pump was reset, the seal water was bled, and the pump ran without further incident. A possible blip in the transducer level led to the pump running the wet well down lower than normal. Transducer was reading correct level at time of arrival. On September 20th, the pressure transducer was replaced after failing and switching to ultrasonic level control.

B. Patrick Flood Pump Station

1. On September 21st, operators noticed a smell of gas at the Patrick Flood Pump Station. CNG was contacted and found a leak on their side of the line, and a small leak at the station's union. The portable generator was brought up and set up as repairs were made. The gas was turned back on the next morning.

C. Batterson Park Pump Station

1. On September 30th, operators and maintenance put on a new O-ring and tightened the bolts in the valve chamber at Batterson Park. This was loose from the initial repair

over the summer. Plant maintenance is adding link seals and a new bracket to further limit pipe movement from the wet well.

D. Harlan and All State Pump Station

1. Throughout September, plant personnel began laying out the plans to pour the concrete pads for the new generators. These will be poured this winter and before the generator arrives next year.

Pump Station Upgrades and Collection Systems

1. In the month of September, WPCF personnel jetted Beechwood Road, Candlewood Lane, Crosswood Road, Gillett Way, Highwood, Knollwood Road, Pinewood Drive, and Northwoods Road.
2. In the month of September, WPCF personnel assisted Highway in jetting storm drains on Meadow Road at the Y section.
3. WPCF personnel finished raising manholes on Church Street, Carrington Lane, Hart Street, Tunxis Road and Hotchkiss Road. Milling and paving was completed in August.
4. WPCF personnel continued to camera and look for problem areas in sewer and storm drain lines. On September 27th, personnel camera'd Crocus Lane upstream and downstream of the flow meter vault.
5. Throughout the month of September, operators continued to clear ROW's and jet as weather permitted.
6. In the month of September, operators worked with Highway cleaning out storm drains and using the sewer camera to help identify problem areas.

WPCF:

A. Repairs and Maintenance at WPCF

1. On September 4th, operators reset a screenings auger fault in the Headworks building.
2. On September 6th-Sept 7th, operators and maintenance reset a surge protector fault and replaced a ballast in UV bank 1. Several communication faults came in during this time. After the ballast replacement, all faults cleared. The UV dose and UVT did not drop during this time as other banks were running (indicating complete disinfection of effluent).
3. On September 14th, plant maintenance and operations exercised the effluent pumps. Pumps #1 & #3 were run for 30 minutes each, while pump #2 was pulled, cleaned and run for 30 minutes.
4. On September 15th operators cleaned the algae off Final clarifier #2 in preparation for winter. Final #3 was also drained for maintenance and Final #1 was put online.
5. On September 24th, the weekend operator received a power fault at the plant. After responding, the operator reset the grit chambers, blowers and #1 transfer building compressor.
6. On September 28th, plant personnel drained Primary #4 for maintenance and put online primary #2 with the new Boerger pump.
7. On September 30th, plant maintenance ordered and installed new tires on the F150.

B. CT DEEP Updates

C. Plant Upgrades

1. The Farmington WPCF was under its Nitrogen Permit (178 lbs) in September by over 64 lbs, with total lbs 114 lbs respectively. The fermentation tank continues to perform well and will continue to help monthly nitrogen totals decrease with the production of additional VFA's/BOD. On September 6th, a potential contaminated E-coli test came in above effluent permit values. The UVs were running during this time (dose and UVT), both above required setpoints, indicating complete disinfection. Both E-coli tests before and after were non detect.
2. JKB Consulting finalized the SWPPP in January 2020. This new permit is now in effect and includes (weekly, monthly, and quarterly inspections) and semi-annual sampling and toxicity testing.

D. Inter-Town Sewer Use Agreements

1. The Avon flow meter was calibrated by the manufacturer's representative on June 10th, 2022, with both towns present. Farmington and Avon WPCF personnel have been meeting at the meter vault monthly (weather depending) to check and verify operation.

E. WPCF Safety Initiatives

1. On March 29th, Santo Manicone worked with plant management to update the Confined Space Program. These changes will help make the program more efficient while transferring the program online. He will continue the Town's OSHA consulting services and help to streamline our safety program. We are coordinating with Santo and Rich Higley of Tunxis Hose to have additional Confined Space training at WPCF in October.

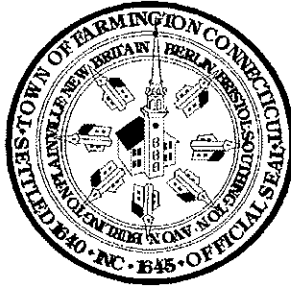
PLAN REVIEWS/APPROVALS

- A. 80 South Road – Inland Wetlands Commission application for 65 apartments. Plan proposes to connect to existing sanitary sewer in South Road.
- B. 114 Red Oak Hill Road – Inland Wetlands Commission application for four (4) new residential single-family homes. Road and sewer will be private and sewer will connect to Dominique Court off Coppermine Road.
- C. Lot 8120 and 8122 Colt Highway – Inland Wetlands Commission application for Self Storage buildings across from 242 Colt Highway.

SANITARY SEWER LATERAL REPORT

September 2022

SEWER PERMIT #	ZONE	LOT #	STREET #	STREET NAME	DATE PERMIT ISSUED	DATE CONNECTED	DEVELOPERS CONNECTION FEE	CONNECTION CHARGE	ASSESSMENT		PAID	COMMENTS
									PROJECT	FEE		
82877	R		59	Bridgethampston Crossing	09/12/22		\$1,000.00		SS & III	\$1,180.10	✓	\$1000 Fee collected with the Building Permit and the \$1180.10 is collected from WWDII Atty.
82922	R		55	Bridgethampston Crossing	09/09/22		\$1,000.00		SS & III	\$1,180.10	✓	\$1000 Fee collected with the Building Permit and the \$1180.10 is collected from WWDII Atty.
83071	R		19	Thatcher Terrace	09/29/22	10/10/22	\$1,000.00				✓	Fee collected with Building Permit



FARMINGTON WATER POLLUTION CONTROL AUTHORITY MEETING
Meeting Minutes
Wednesday, September 14th, 2022
Farmington WPCF, 1 Westerberg Drive & Online Meeting (Covid-19)

A. PUBLIC HEARINGS

None

B. REGULAR MEETING

Chairman James Foote called the meeting to order at 7:00 P.M. on Wednesday September 14th, 2022.

Members Present: Chairman James Foote, Vice Chairman Kevin Ray, Phil Dunn, Phil Cordeiro, Joe Capodiferro.

Members Attending Remotely (Zoom):

WPCF Staff Present: Mark Batorski, WPCF Superintendent.

Also Attending Remotely (Zoom): N/A

C. ACCEPTANCE OF MINUTES

Motion: To accept the minutes of the Wednesday July 13th, 2022, Meeting.

Upon a motion duly made and seconded, (Ray/Cordeiro) the Authority

Voted: To accept the minutes of the Wednesday July 13th, 2022, Meeting.

Motion Passed

D. ORAL PETITIONS – PUBLIC COMMENTS

None

E. COMMUNICATIONS / REPORTS

1. WPCF Monthly Operating Report Summary July & August 2022. Mark Batorski informed the authority that operations met all monthly regulatory requirements.

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

1. Current reported dated July & August 2022 – 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.

Public Sewer Construction & Repair

1. **Steven Circle**

Installation has been completed, awaiting installation of inverts and air test. Owner is currently awaiting completion and acceptance of Bridgehampton Sewer before they can construct and connect any homes.

2. **Bridgehampton – Final Phase**

Sewer has been installed, awaiting final testing and approval.

Sewer Pump Station Construction and Repairs

A. Hyde Road Pump Station

1. On July 6-8th, the electrician and operators changed the transducer at the Hyde Road Pump Station. Pump #1 was also pulled and sent out to

Flygt for a possible seal repair. Plant operators & McVac Environmental Services also cleaned the wet well. Stanley Pump Station wet well was also cleaned.

B. Devonwood Pump Station

1. On July 8th operators and maintenance pulled pump #1 & #2 at the Devonwood Pump Station. Rags were found in the impeller of pump #1 and in the check valve of pump #2. Both pumps were put back in service and ran without further incident.

C. Uconn Pump Station

1. On July 19th Kinsley installed a new voltage regulator at the Uconn Pump Station.

D. Harlan Road Pump Station

1. On July 21st, management and operations changed the water pump on the generator at Harlan Road. This is one of two stations in the generator upgrade (All State is the second). The new generators should be received in summer/fall of 2023.

E. Maple Ridge Pump Station

1. On Aug 2nd, operators added millings and a layer of stone to the Maple Ridge Pump Station driveway. The area around the wet well also received a layer of stone.

F. Corporate Park Pump Station

1. On Aug 26th, the electrician and maintenance met with Kinsley to replace the control board at the Corporate Park pump station. The starter and starter relay were also replaced.

G. Batterson Park Pump Station

1. On Aug 31st, operators and the electrician replaced the board for the transfer switch at the Batterson Park Pump Station.

Pump Station Control, Collection System, and I & C Systems

1. In the months of July and August, WPCF personnel jetted Crosswords Road, Corporate Park, Highwood Road, Knollwood, Northwoods Road, and Pinewood Drive.

2. In the months of July and August, WPCF personnel assisted highway in jetting storm drains at Church Street, Carrington Lane, Copper beech Lane, Elizabeth Road, Heart Street, Hotchkiss Road, and Talcott Notch Road.
3. WPCF Personnel finished raising manholes on Church Street, Carrington Lane, Hart Street, Tunxis Road, & Hotchkiss Road. Milling and paving was completed in August.
4. WPCF Personnel continued to camera and look for problem areas in sewer and storm drain lines. 15 Forest Street in Unionville was camera'd to verify existing lateral along with the 301 New Britain Avenue (storm drains).
5. Throughout the month of July and August operators continued to clear ROW's and jet as weather permitted.
6. In the months of July and August operators worked with highway cleaning out storm drains and using the sewer camera to help identify problem areas.

WPCF Repairs and Upgrades

1. On July 8th, operators and the B.I.S. Group calibrated the influent and effluent plant flow meters. Per the NPDES Permit this must be done annually before July 31st. All meters were well below permissible levels.
2. On July 12th, operators and maintenance met with Kinsley to check aeration blower amps and pressures after slightly higher running amps were noted. Kinsley verified all parameters were within spec, oil was also changed.
3. On July 14th, plant maintenance installed the Sumitomo Gearbox for Transfer pump #2. The gearbox allows more torque at startup helping to blend solids without tripping on pressure.
4. On July 15th operators and maintenance installed the new Boerger pump in the primary basement. This replaced the 2nd primary Swaby pump, VFD's are currently on order for 2 out of the 4 primary pumps.
5. On July 21st, plant maintenance and operations installed a new bracket on the discharge line of the dewatering feed pumps. This will help with vibration which was noted in the top corner of the line.
6. On August 1st, plant management and the lab analyst began tracking VFA's based on primary tank levels and recirculation rates to help with increased production. Throughout the month operators raised the level of the primaries in response to increased VFA levels in the lab. In addition to the fermentation tank these levels help to drop phosphorus levels while helping with denitrification.
7. On August 3rd, operators tightened the seal line on transfer pump #2, the aeration weirs were also cleaned in preparation for dropping the tank (yearly maintenance).

8. On August 15th, plant operators and maintenance dropped aeration tank #3 (pictures attached). All diffusers and brackets were checked and cleaned. The tank was filled with effluent water and is currently offline until late fall/early winter.
9. On August 26th operators installed the new plant sign with a island in front of the plant.
10. On August 30th, operators, the electrician & maintenance replaced the transducer in the blend tank. The tank was also drained cleaned and Vac'd.

CT DEEP Updates

Plant Upgrade

1. The Farmington WPCF was under its Nitrogen Permit (178 lbs) in both July and August by over 60 lbs, with total lbs of 111 lbs and 115 lbs respectively. The fermentation tank continues to perform well and will continue to help monthly nitrogen totals decrease with the production of additional VFA's/BOD.
2. JKB Consulting Finalized the SWPPP in January 2020. This new permit is now 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 is scheduled to be calibrated by the manufacturer's representative on June 10th, 2022, with both towns present. Farmington and Avon WPCF personnel have been meeting at the meter vault monthly (weather depending) to check and verify operation.

WPCF Safety Initiatives

1. On March 29th Santo Manicone worked with plant management to update the Confined Space Program. These changes will help make the program more efficient while transferring the program online. He will continue the towns OSHA consulting services and help to streamline our safety program.

Plan Reviews/Approvals

1. Lots 8677 Plainville Ave
 - a. TPZ Application
 - b. Portions of property in both Farmington and Plainville
 - c. Proposed 61 Senior Active Adults
 - i. 13 Units in Plainville will flow to Plainville

- ii. 25 Units in Plainville will flow to Farmington
- iii. 23 Units in Farmington will flow to Farmington

G. NEW BUSINESS

To review and approve the 2022-2023 Meeting Schedule

Motion: To approve the 2022-2023 Meeting Schedule as presented at the September 14th, 2022, Meeting.

Upon a motion duly made and seconded (Cordeiro/Dunn), the Authority

Voted: To approve the 2022-2023 Meeting Schedule

Motion Passed

I. Unfinished Business

J. Public Correspondence

K. ANY OTHER BUSINESS THAT MAY COME BEFORE THE AUTHORITY

L. ADJOURNMENT

Motion: To adjourn the September 14th, 2022, WPCA in Person & Online Meeting

Upon a motion duly made and seconded, (Ray/Dunn) the Authority

Voted: To adjourn at 7:13 P.M.

Motion Passed

Respectfully submitted,
Mark Batorski, Superintendent
Water Pollution Control Facility
Cc:
WPCA Members, email
Town Council Members, email
Devon Aldave, email
Tax Collector, email
Town Clerk, email
Bruce Cyr, email
Everbridge