



**FARMINGTON WATER POLLUTION CONTROL AUTHORITY
MEETING MINUTES
July 11, 2018**

A. PUBLIC HEARINGS

None

B. REGULAR MEETING - (Town Hall, Board of Education Conference Room)

Chairman James Foote called the meeting of the Farmington Water Pollution Control Authority to order at 7:00 p.m. on Wednesday, July 11, 2018

Members Present: Chairman James Foote; Vice Chairman Peter Bagdigian

Members Absent: Secretary Kevin Ray; James Thompson; Wilbur Charette; Town Council Liaison Paul Cianci

WPCF Staff Present: Staff Liaison, William Kaminski, WPCF Supt; Alex Kaminski, WPCF Asst. Supt.

DUE TO A LACK OF QUOREM CHAIRMAN JAMES FOOTE REQUESTED THAT A SPECIAL WPCA MEETING BE CONDUCTED ON JULY 18, 2018

C. ACCEPTANCE OF MINUTES

None

D. ORAL PETITIONS – PUBLIC COMMENTS

None

E. COMMUNICATIONS / REPORTS

- 1) Monthly Summary Operating Reports for June 2018 of the WPCF – William Kaminski, WPCF Supt. informed the Authority that operations met all regulatory requirements. (attached)
- 2) The Authority was presented with updated communication from Kristopher Hughes, Wright-Pierce concerning that the performance and operation of the new primary pump operations

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

Current report dated July 2018 – Alex Kaminski, WPCF Asst. Supt. Briefed the Authority on the following projects:

Private Sewer Construction

1. None.

Public Sewer Construction and Repair

1. Wells Acres Sewer Replacement- Work is progressing slowly; approximately 500 L.F. of 10" main has been installed. A subcontractor will be used to assist on the project.

Sewer Pump Station Construction and Repairs

1. West Farms Mall Pump Station – The new control system has been installed and tested.
2. Harlan Road Pump Station – Two new replacement pumps have been installed.

WPCF

1. WPCF staff worked to take existing Aeration Tank 1 offline and clean residual materials. The abandoned trickling filter recirculation wet well was also cleaned and materials removed.

Plant Upgrade

1. Aeration Tank 2 modifications were completed and the tank is now online. Microorganisms from Tank 1 were successfully transferred, minimizing process interruption and preserving effluent quality. Renovations to Final Settling Tank 2 and Aeration Tank 1 are progressing. CHN has been working on the installation of the second bar screen and odor control system to complete the Headworks Building. All odor control systems on site have now begun installation. CHN is starting work on the sludge handling systems and the Dewatering Building. Much of the hazardous materials abatement and demolition of the original WPCF structures has already been completed.

5 sewer permits were issued in the month of June 2018

G. NEW BUSINESS

None

H. WPCF PLANT UPGRADE

None

I. EXECUTIVE SESSION

None

J. ANY OTHER BUSINESS THAT MAY COME BEFORE THE AUTHORITY

1. The Authority was informed that the Town of Burlington is conducting a study for the installation of flow meters for the Burlington sewer flow into the Farmington sewer system.
2. The Authority was informed there was not any status report submitted on the Town of Avon / Farmington sewer agreement.
3. The Authority was informed that the Town Finance Director is pursuing legal information and recommendation on the financial process that should be considered.

K. ADJOURNMENT

WPCA Minutes
July 11, 2018

Chairman James Foote Adjourned the June 13, 2018 WPCA Meeting at 7:35 p.m.

Respectfully submitted,

William J. Kaminski, Superintendent
Water Pollution Control Facility

c.c.

WPCA Members

Town Council Members, e-mail

Deb Bull, e-mail

Tax Collector, e-mail

Town Clerk, e-mail

Bruce Cyr, e-mail

Everbridge

WPCF SUMMARY REPORT JUNE 2018

FLOW (MILLION GALLONS PER DAY) DAILY TOTAL	MIN.	MAX.	AVG.
	2.33	4.22	3.2
BIO-CHEMICAL OXYGEN DEMAND - MG/L (AVE)	INF.	EFF.	Removal efficiency
	238	2.9	98.8%
SUSPENDED SOLIDS MG/L (AVE)	INF.	EFF.	Removal efficiency
	362	6	98.3%
Effluent Nitrogen Ammonia (NH3-N) (PPM)		0.4	Permit Limit 7
Total Nitrogen Removal (Lbs / Day)	INF.	EFF.	Removal efficiency
	1414	396	71.99%
Total Nitrogen Average Lbs / Day		EFF.	Permit Limit 178 Lbs / Day
		396	218 Lbs over limit
Total Phosphorus Average Lbs / Day	INF	EFF.	Permit Limit 3.11
	4.75	1.5	
Total Phosphorus MG/L (AVE)		43.03	Permit Limit 70.11 LBS/DAY
Biosolids - Lbs. (21.8% Avg. solids content)		Daily	Total
		7,533	165,730
E-Coli, Geometric mean		EFF.	Permit Limit 126/100mL
		0.6	

William Kaminski

To: Kristopher Hughes
Subject: RE: Primary Sludge Pump update

-----Original Message-----

From: Kristopher Hughes [mailto:jake.hughes@wright-pierce.com]
Sent: Thursday, July 05, 2018 2:48 PM
To: William Kaminski; Alex Kaminski; Mark Batorski
Cc: Dennis Dievert; Russ Arnold; Christopher N. Pierce; William A. Edgerton
Subject: Primary Sludge Pump update

Hi Bill,

Regarding PSP's 1,2,4, these pumps have all the modifications (DCIP lobes, 0-100psi pressure trees and 7.5hp motors). **The pumps from my observations and conversations with plant staff is they have been performing well and with virtually no issues.**

Pump 3 has the 0-100psi. pressure tree installed, the lobes are ready to be installed and will be completed when the 7.5 hp motor is delivered and installed. The plan for 3 is to put online when the mods are completed.

Recent set points and data compiled by staff are as follows:

PSP-1: 176 min. off / 4 min. on (180 gpm) 5.2-6.4 amps
PSP-2: 176 min. off / 4 min. on (180 gpm) 5.0-6.6 amps
PSP-4: 176 min. off / 4 min. On (125 gpm) 4.7-5.8 amps

Other set points have been stated as 296 min. off / 4 min. on to thicken the Pri. Sludge.
Pressures have been running in the 18-40psi range. Sludge concentration has ranged from 2.5-4.8%.

With the pumps performing well, I'd like to recommend as the next course of action having the pumps recertified and new curves developed by the Factory/Manufacturer's Rep. and request the warranty to start upon successful recertification.

I've been working with Wescor (Manufacturer's Rep.) and the factory regarding the lobes on the DFP and STP pumps in the Sludge Pump Building to avoid the potential for the same issues with the Urethane lobes on the PSP's.

I've held off on this pending the outcome of the trial of the PSP's. I will know more on the status of swapping the lobes on DFP's and STP's pumps when I call Wescor for recertification of the PSP's.

The WSP's still have the Urethane lobes and presently we haven't had any issues with those pumps.

All six pumps currently in service will continue to be observed for operation and design intent, and any performance issues will be logged and brought to the Rep. and factories attention.

I appreciate your support and patience in this matter.

Please let me know if there are any questions or concerns.

Thanks,

Jake