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Fred Hurley,
Director

TOWN OF NEWTOWN
WATER AND SEWER AUTHORITY

Marianne Brown,
Chairman
Louis Carbone
George Hill
Alan Shepard
Eugene Vetrano
Richard Zang
Carl Zencey

THESE MINUTES ARE SUBJECT TO APPROVAL BY THE WATER AND SEWER AUTHORITY

The Water and Sewer Authority held a regular meeting on June 12, 2014 at Town Hall South, 3 Main Street, Newtown, CT. Chairman Brown called the meeting to order at 7:02pm.

Present: Dick Zang, Lou Carbone, Marianne Brown, Gene Vetrano, Carl Zencey, Alan Shepard

Absent: George Hill

Also Present: Director of Public Works Fred Hurley, Director of Finance Robert Tait

Public Participation - None

Approval of Minutes – The previously distributed minutes of the regular meeting of 5/8/14 were unanimously approved.

UNFINISHED BUSINESS

Establish a Hawleyville Sewer District – Tabled

FY 15 Budget – Bob Tait reviewed the financials of the sewer and water enterprises.

Breaking out the expenses for Hawleyville sewer extension is needed. Marianne Brown, Gene Vetrano and Dick Zang will meet with Fred on Monday, June 17th to finalize a budget, to be brought back to the WSA for approval.

NEW BUSINESS

Committee Reports: SCADA, solar, I&I, Finance, regulations, water supply, collection and distribution systems – SCADA update from Julio Segarra is included in the May monthly operating report attached.

Report by United Water Environmental Services Inc. – Attached

Report by Public Works Director – Fred Hurley reported that they did get the property owners that are interested in the Hawleyville Sewer District. Fred Hurley also reviewed a draft proposal from Fuss & O'Neill for preliminary design of the project.

Dick Zang moved to recommend approval of the draft proposal from Fuss & O'Neill for the preliminary design of the Hawleyville sewer extension with the provision that the WSA is requiring progress design reviews as a minimum at 30%,50%, 70% and 90% reviews. Alan Shepard seconded, motion unanimously accepted.

Fred Hurley also reported that they are still looking into the sewer hookup on Glen Road. Mapping was an issue and will be done next week. It is a little more complicated than hooking into the neighbors connection.

Having no further business, meeting was adjourned at 8:11pm

Arlene Miles, Clerk



MONTHLY OPERATING REPORT May 2014 TOWN OF NEWTOWN WPCF

EXECUTIVE SUMMARY

During the month of May the plant process performed well. Nitrogen average pound per day during the month was 13.1 lbs. The open channel flow meters have been relocated to new locations. The meters are located at a cross lot manhole on Taunton lake dr. coming from Diamond Dr. and directly prior to the Taunton Lake pump station. This will be our next areas of focus.

The plan will be to inspect during heavy rains for signs of inflow.

SCADA project is progressing through the pump stations

Hawleyville pump station has been completed and the new SCADA system is now on line.

There have been no operational events due to the upgrade work being performed. The DEEP has been kept in the loop as the project proceeds. Other process control regulation comes into play then such as disinfection and phosphorous removal.

We are no longer operating ultraviolet treatment and alum dosing process until May 1st.

Below are some of the highlighted major operation and maintenance items that are currently in progress or completed.

PROJECTS

SCADA

- Work near completion at Plant Filter Building for the SCADA Project.
- Electrical work being done on Well 7 For the SCADA Project.
- Work being done on Well 8 and Bunker for SCADA Project.
- SCADA upgrade being done in the Headworks Building.
- Work being done on the Clarifier Building for the SCADA Project.

- The water pollution plant now has its own frequency using the Store and Forward method of communication.
- The store and forward will allow more frequent reports of data (every ten minutes or change of status) from each of the remote sites. Therefore improved resolution in the data!
- Knapp engineering will be submitting the final electrical drawings to GHD.

SOLAR

- All the panels appear to be working,

OPERATIONS & MAINTENANCE

- Replaced brushes on Clarifier #2.
- Repaired light fixture over Filter Bldg. Door.
- Water Treatment Plant and Pump Station inspection.
- Jetted ALUM line from Filter Bldg. to Splitter Box.
- B&G installed RAS pump #1 Ridgefield WTP
- Added two unions to ALUM line.
- UV failure - 6 of 8 racks were tripped out. Reset racks.
- Worked on UV bank A, replaced breaker, 6 one amp fuses and 1 GFI breaker
- Fixed leak in ALUM line.
- CBYD mark outs Sugar St.
- Added water to Main Plant generator batteries and checked voltage.
- Replaced 2 grinder pumps at 1 Country Club Rd.
- Changed grinder pump at 7 Edmond Rd.
- Cleaned vehicles and filter building.

PUMP STATIONS

- Back flushed Hanover Pump Station and Sandy Hook.
- Called in for Hanover Pump Station – low wet well.
- GHD working on Hawleyville Pump Station.
- CBYD Emergency mark out at 37 Taunton Lake Rd.
- Sandy Hook, Hanover, Baldwin , and Hawleyville pump station operations are operating under the new SCADA and radio telemetry system.

ODOR ABATEMENT

No odors this month.

STAFFING

We are presently fully staffed.

TRAINING

All employees continued with our in house OSHA compliance safety training through Pure-Safety.

REGULATORY COMPLIANCE

In Compliance

SOLIDS HANDLING

Type	Gallons This Month	Target	Gallons This Year	Target
Sludge (SYNAGRO)	52,000	40,625 gal/mo 2 loads/wk	0.784 MG	0.527 MG 75 loads/yr

ANALYSIS OF WASTED SLUDGE

Waste Activated Sludge	Total Gallons	Min %	Max %	Average %	Total Pounds
SYNAGRO	52,000	3.73	4.69	4.31	18,692

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Sewer Backup	0	0
Pump Station	2	31
Plant	2	19
Odor	0	3
Grinder Systems	3	28

PLANT MAINTENANCE

The following data is provided as a record of maintenance work order activities during the month.

Type	Total This Month	Total for Year
Preventative Maintenance	15	578
Corrective Maintenance	22	366
Emergency Maintenance	0	2
Call-Before-You-Dig (CBYD)	71	728

FIELD OPERATIONS

Type	Monthly Ft	Total for Yr	Contract	Amount Left
Type	Monthly Ft	Total for Yr	Contract	Amount Left
Sewer Cleaning Scheduled	0	9650	*****	****7650***
Sewer Cleaning Unscheduled	0	2250	*****	*****
Other	Monthly Qty	Total for Yr	Contract	Amount Left
Manhole Inspections	2	95	*****	N/A
Grinder Replacements	3	37	As Necessary	N/A

PUMP STATIONS

Station	Baldwin	Hanover	Sandy Hook	Taunton Lake	Hawleyville	Fairfield Hills Metering
Number Inspections/Mo.	9	9	9	9	9	9
Service Failures	0	0	0	0	0	0
Number Callouts	0	1	0	0	0	0
Maintenance & Repair	3	3	2	1	0	0
Flow (Total MG)	.136	.378	2.000	.767	.545	5.737
(Avg. Daily GPD)	4,388	12,214	64,527	24,764	17,585	185,071

FINANCIAL STATUS – MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$55,000	\$6,649.30	\$57,544.44	-\$2,544.44
Capital Repair and Replacement	\$95,000	\$11,570.85	\$135,773.18	-\$40,773.18

HAWLEYVILLE SEWER DISTRICT

EXECUTIVE SUMMARY

- HAWLEYVILLE PUMP STATION is now on the new SCADA system

OPERATION & MAINTENANCE

- Found a floating ground on the main transformer and had it repaired by Traver electric.

INSPECTIONS

Type	Total This Month	Total for Year
Hawleyville Pump Station	9	45
Grinder Pump Station 1		
Grinder Pump Station 2		
Grinder Pump Station 3		
Grinder Pump Station 4		

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Hawleyville Pump Station	0	0
Grinder Pump Station 1		
Grinder Pump Station 2		
Grinder Pump Station 3		
Grinder Pump Station 4		

HAWLEYVILLE MAINTENANCE

The following data is provided as a record of maintenance work order activities during the month.

Type	Total This Month	Total for Year
Preventative Maintenance	3	12
Corrective Maintenance	1	3
Emergency Maintenance	0	0

FIELD OPERATIONS

Hawleyville District	Monthly Qty	Total for Year
Service Inspections		

Call-Before-You-Dig (CBYD)		

HAWLEYVILLE - FINANCIAL STATUS – MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive				
Capital Repair and Replacement				

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FLOW AND LOADS TRACKING

Budget Month/Yr	Influent Flow, MGD	Influent BOD, lbs	Influent TSS, lbs	Calendar Month / Year	Average N, lbs
July 2013	.449	962	694	January 2014	9.5
August 2013	.444	697	583	February 2014	8.5
September 2013	.432	827	587	March 2014	17.0
October 2013	.389	898	623	April 2014	8.0
November 2013	.418	829	594	May 2014	9.0
December 2013	.450	875	733	June 2014	
January 2014	.378	618	569	July 2014	
February 2014	.359	671	565	August 2014	
March 2014	.515	791	687	September 2014	
April 2014	.518	388	598	October 2014	
May 2014	.551	.755	.722	November 2014	
June 2014				December 2014	
Monthly Average	.446	687	567	Calendar Year to Date Average	10.4
Contract	Average 0.53 MGD Adjustment = Change in Flow in MG * \$17.83/MG	Avg. 999 lbs/day Adjustment = Change in BOD in lbs * \$0.04/lb	Avg. 703 lbs/day Adjustment = Change in TSS in lbs * \$0.16/lb	Contract	NPDES Permit Limit = 17 Lbs/day
Deviation % (+/-)	-15.85	-31.23	-19.35	Deviation % (+/-)	-38.82

FAIRFIELD HILLS WTF

EXECUTIVE SUMMARY

The staff continues to improve equipment and standard operating methods to prevent Fairfield Hills WTP failures. Well # 3 is operating as the lead pump at <40 gallons per minute. The water treatment plant operated very well in April.

GHD and Fuss & O'Neill are working to comply with the DPH upgrade requests and all temporary repairs or modifications have been completed. Pictures of the completed work were sent to the DPH.

Check and maintain calibrations of all equipment.

The lines were flushed at Fairfield Hills Town Hall during the month of MAY.

Listed below are some of the highlighted major operation and maintenance items that are currently in progress or have been completed.

OPERATION & MAINTENANCE

- Located shut off for Mile Hill South.
- Picked up water sample at 10 Mile Hill St.
- Butterworth & Scheck at FFH replacing hydrant.
- Monitor chlorine and ph. controller at the WTP and adjust as needed.
- Fuss & O'Neill have submitted there upgrade report to the Department of Health and has been approved.

STAFFING

Currently, all the regulatory required staffing positions are met for the Water Treatment Facilities.

REGULATORY COMPLIANCE

The Department of Health Monitoring Report did meet full compliance during the month.

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Plant WTP	0	10
Well Houses	0	0
Reservoirs (Storage)	0	1
Customer Service Issues	1	11
Water Main Breaks	0	0

FAIRFIELD HILLS MAINTENANCE

The following data is provided as a record of maintenance work order activities during the month.

Type	Total This Month	Total for Year
Preventative Maintenance	15	190
Corrective Maintenance	0	20
Emergency Maintenance	2	4

FIELD OPERATIONS

Other	Monthly Qty	Total for Year
Valve Inspections	7	42
Hydrant Inspections	2	31
Service Inspections	17	97
Call-Before-You-Dig (CBYD)	3	42

FINANCIAL STATUS – MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$15,500.00	\$821.93	\$15,857.31	-\$357.31
Capital Repair and Replacement	\$20,000.00	\$357.86	\$46,179.39	-\$26,179.39

FLOW TRACKING

Month/Yr	Well No. 3 Gallons	Well No. 7 Gallons	Well No. 8 Gallons	Plant Production Gallons
July 2013	795,000	4,568,200	0	5,363,200
August 2013	845,000	5,439,800	0	6,284,800
September 2013	751,000	4,824,900	0	5,575,900
October 2013	433,000	2,777,300	0	3,210,300
November 2013	648,000	4,092,800	0	4,740,800
December 2013	1,273,000	3,982,000	0	5,255,000
January 2014	688,000	3,709,000	0	4,397,000
February 2014	474,000	3,833,800	0	4,307,800
March 2014	768,000	5,692,700	0	6,460,700
April 2014	434,000	3,394,400	0	3,828,400
May 2014	508,000	5,780,200	0	6,288,200
June 2014				
Monthly Average	692,455	4,372,282	0	5,064,736
Daily Average	245,710	1,551,455		1,797,165