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Fred Hurley,
Director

TOWN OF NEWTOWN
WATER AND SEWER AUTHORITY

Richard B. Zang,
Chairman
Marianne Brown
Louis Carbone
Philip Cruz
Alan Shepard
Carl Zencey
Richard Conte

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

The Water and Sewer Authority held its regular meeting on October 11, 2012 at the Waste Water Treatment Plant, 24 Commerce Road, Newtown, CT. Chairman Zang called the meeting to order at 7:00pm.

Present: Dick Zang, Carl Zencey

Absent: Gene Vetrano, Lou Carbone, Marianne Brown, George Hill, Alan Shepard

Also Present: Jason O'Brien and Julio Segarra of United Water, Director of Public Works Fred Hurley, Financial Director Bob Tait, Town Attorney Dave Grogins and one member of the press

Public Participation: None

Approval of the Minutes: Tabled

OLD BUSINESS

Gallons processed vs gallons billed study – Data was gathered today and sent to the members via e-mail.

Capital Needs-SCADA/New Well – Bill Brink is no longer with GHD. Next Wednesday the 17th at 1pm there will be a meeting to discuss scheduling for the SCADA system. There is nothing new for the the New Well.

Fairfield Hills Sewer Service Area – Tabled

Renewable Energy Project – They are almost ready to submit for the next 40% of the grant. There are two items that we are still working on. By the end of next week, we should have the final pieces to submit.

NEW BUSINESS

20 & 60 Castle Hill Road – Tabled

Report by United Water Environmental Services, Inc. – Plant is running well. A copy of the monthly operating report is attached. A report was received from the Department of Health for the survey that was done to the water system in August. There were two violations. Fuss & O'Neil will do the written

response required by October 19th. One of the requests is to bring well 8 on-line again. They have been looking at doing a new well but bring well 8 up would be a quicker, less expensive route to go. In the report it also states that they would like them to have generators and DPH who issued, the letter has a grant for generators. It is the general feeling that they have suggested it therefore we should qualify for the grant.

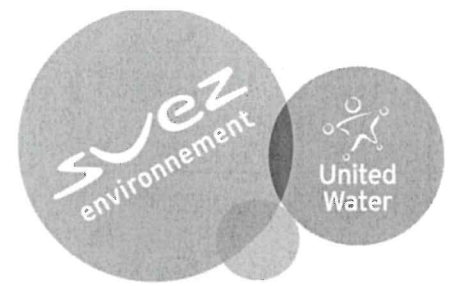
Report by Public Works Director – Reported throughout the meeting.

Any other business – Fred Hurley explained that David Grogins is here to discuss the potential of expanding the Hawleyville Sewer Line. How the project would be financed is also an issue. When the central district was done, it was paid for in 3rds. One third from benefit assessments, one third from clean water grants and one third from the general fund. The idea with Hawleyville, is to pay for it with benefit assessments.

Dick Zang questioned that the Hawleyville sewers were done for economic development not pollution abatement. David Grogins clarified that there can be a need and the need can be economic. Monday evening there is a Board of Selectman meeting which the WSA are requested to attend.

Having no further business, the meeting was adjourned at 8:35pm

Arlene Miles
Clerk



MONTHLY OPERATING REPORT
September 2012
TOWN OF NEWTOWN WPCF

EXECUTIVE SUMMARY

During the month of September the plant process performed well. Nitrogen average pound per day during the month was 14.6 lbs. The open channel flow meter data has been collected from both locations. The meters are located at a manhole on Main Street near School House rd. and Commerce Road. Taunton Lake will be our next areas of focus.

All flow meters at the plant, pump stations, and the flume were checked for calibration. The Alum and Ultraviolet processes will be taken offline September 30th until May 1, 2013.

Below are some of the highlighted major operation and maintenance items that are currently in progress or completed. Solar project at the plant has been completed and is presently on-line the modem communication link has yet to be completed.

The Department of Public Health Sanitary survey results have been received with two violations at the water treatment plant, some requirements, and recommendation. A response letter will be submitted to the DPH prior to the October 19th deadline.

Plant generator air discharge permit has been submitted to the DEEP Air Compliance Department for modification.

OPERATION & MAINTENANCE

- Inspect all plant fire extinguishers, eyewash, and emergency exit lighting.
- Inspect and programmed the replacement effluent sampler in the filter building.
- Hosed secondary wells and troughs.
- Cleaned the grit washer screen, and hopper.
- Cleaned both levels in the filter building.
- Cleaned the roto-mat and the rag hopper.
- Greased gravity belt thickener.
- Inspected and cleaned all eye wash stations.
- Cleaned secondary tanks 1&2 draft tubes.
- Cleaned gravity belt thickener belt.
- Checked calibration of the influent flow meter
- Calibrated Dissolved oxygen probe in the Oxidation ditch.
- Cleaned # 1 oxidation ditch.
- Replaced tubing on both influent and effluent samplers.
- Backwashed the alum system.
- Ultraviolet light banks A, B, and C were inspected and serviced.
- Ultraviolet system was taken offline September 30th.

Waste Activated Sludge	SYNAGRO	32,000	5.07	5.87	5.43	14,723
Total Gallons	Min %	Max %	Average %	Total Pounds		

ANALYSIS OF WASTED SLUDGE

Type	Gallons This Month	40,625 gal/mo 2 loads/wk	0.0905MG Year	0.488 MG 75 loads/yr
Sludge (SYNAGRO)	32,000	Target	Gallons This Year	Target

SOLIDS HANDLING

In Compliance

REGULATORY COMPLIANCE

All employees continued with our in house OSHA compliance safety training through PureSafety.

TRAINING

We are presently fully staffed.

STAFFING

There were no odor complaints for the month.

ODOR ABATEMENT

- All the flow meters were checked for calibration.
- Replaced a weak ADT alarm system battery at the Hawleyville P/S.
- Replaced a grinder pump at 16 Budd dr.

PUMP STATIONS

- The Phosphate control system has also been taken offline September 30th.
- The Alum dosing system presently is being cleaned and flushed-out.
- Inspect all plant equipment oil levels.
- Painting in lower level of the clarifier building.
- Modifying seal flushing lines in the clarifier building.(In Progress)
- Fire system and sensors were inspected by Simplex-Grinnell technicians. Systems all passed.
- Cleaning and Painting equipment in the filter building. (work in progress)

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Sewer Backup	0	0
Pump Station	2	4
Plant	0	2
Odor	0	0
Grinder Systems	1	4

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	20	72
Corrective Maintenance	24	74
Emergency Maintenance	0	0
Call-Before-You-Dig (CBYD)	3	125

FIELD OPERATIONS

Type	Monthly Ft	Total for Yr	Contract	Amount Left
Sewer Cleaning Scheduled	1000	1000	*****	*****
Sewer Cleaning Unscheduled	500	500	*****	*****
Other	Monthly Qty	Total for Yr	Contract	Amount Left
Manhole Inspections	2	6	*****	N/A
Grinder Replacements	1	11	As Necessary	N/A
New Grinder Stations	0	0	*****	N/A

PUMP STATIONS

Station	Number Inspections/Mo.	Service Failures	Number Callouts	Maintenance & Repair	Flow (Total MG)	(Avg. Daily GPD)
Baldwin	9	0	1	1	.109	3,656
Hanover	8	0	0	0	.341	11,376
Sandy Hook	8	0	0	0	1.659	55,305
Taunton Lake	8	0	0	0	.394	13,148
Hawley-ville	9	0	1	1	.669	22,317
Fairfield Hills Metering	8	0	0	0	3.695	136,870

FINANCIAL STATUS - MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$55,000	\$5,242.06	\$12,768.07	\$42,231.93
Capital Repair and Replacement	\$95,000	\$6,706.30	\$35,541.30	\$59,458.70

FLOW AND LOADS TRACKING

Budget Month/Yr	Influent Flow, MGD	Influent BOD, lbs	Influent TSS, lbs	Calendar Month / Year	Average N, lbs
July 2012	.325	670	489	January 2012	22
August 2012	.343	712	494	February 2012	14.6
September 2012	.365	694	544	March 2012	14.8
October 2012				April 2012	7.0
November 2012				May 2012	12
December 2012				June 2012	10
January 2013				July 2012	13
February 2013				August 2012	21
March 2013				September 2012	14.6
April 2013				October 2012	
May 2013				November 2012	
June 2013				December 2012	
Monthly Average	.344	692	509	Calendar Year to Date Average	14

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 % (+/-)	-35	-31	-28	Deviation % (+/-)	-17.6

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 September.

We had a Department of Public Health inspection August 22.

The DPH sanitary inspection findings were two violations at the water treatment plant, some requirement modifications, and recommendations.

A new Chlorine residual controller and ph probe are checked and calibrated at the Water Treatment plant.

Backflow and cross-connection inspections were completed in August.

Two locations failed: Reed school and Garner prison.

Reed school was repaired and re-inspected. (Passed)

The garner prison facility was repaired internally by their plumber and failed the inspection. The backflow is rescheduled for repair and inspection; to be performed by Butterworth & Scheck within 30 days.

There was flushing of the lines at Fairfield Hills during the month of September.

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

OPERATION & MAINTENANCE

- Inspected WTP and made adjustments as needed.
- Monitor chlorine and ph controller at the WTP and adjust as needed.
- Replace a section of ¾ inch copper feed line to sink.
- Repaired poly tubing on the hypochlorite injection line.
- Cleaned and painted some equipment at the Water Treatment Plant.
- Made corrections to comply with cross connection regulation. (One of the two violations that were cited by the sanitary survey)

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.

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$15,500.00	\$1,747.35	\$4,025.44	\$11,474.56
Capital Repair and Replacement	\$20,000.00	\$7,998.01	\$21,771.23	-\$1,771.23

FINANCIAL STATUS - MAINTENANCE

Other	Monthly Qty	Total for Year
Valve Inspections	3	23
Hydrant Inspections	3	15
Service Inspections	0	0
Call-Before-You-Dig (CBYD)	0	11

FIELD OPERATIONS

Type	Total This Month	Total for Year
Preventative Maintenance	5	4
Corrective Maintenance	1	5
Emergency Maintenance	0	0

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

FAIRFIELD HILLS MAINTENANCE

Type	Total This Month	Total for Year
Plant	0	3
Well Houses	0	0
Reservoirs (Storage)	0	0
Customer Service Issues	1	4
Water Main Breaks	0	0

EMERGENCY CALL-OUTS

FLOW TRACKING

Month/Yr	Well No. 3 Gallons	Well No. 7 Gallons	Well No. 8 Gallons	Plant Production Gallons
July 2012	746,000	5,772,400	0	6,518,400
August 2012	735,000	5,885,200	0	6,620,200
September 2012	567,000	4,065,500	0	4,632,500
October 2012			0	
November 2012			0	
December 2012			0	
January 2013			0	
February 2013			0	
March 2013			0	
April 2013			0	
May 2013			0	
June 2013			0	
Monthly Average	682,666	5,241,033	0	5,923,700
Daily Average	18,900	135,516	0	154,416