

4 Turkey Hill Road
Newtown, CT 06470
Tel (203) 270-4300
Fax (203) 426-9968



Fred Hurley,
Director

TOWN OF NEWTOWN
WATER AND SEWER AUTHORITY

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

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

The Water and Sewer Authority held a regular meeting on September 10, 2015 at the Wastewater Treatment Plant, 24 Commerce Road, Newtown, Conn. Chairman Brown called the meeting to order at 7:11 pm.

Present:, Dick Zang, Lou Carbone, Carl Zencey, Gene Vetranio

Absent: Marianne Brown, George Hill, Alan Shepard

Also Present: Director of Public Works Fred Hurley, Julio Segarra of United Water Environmental Services, Fereshteh Doost of Fuss & O'Neill, Wes Thompson of EDC,

Public Participation: None

Approval of Minutes: The previously distributed minutes of the regular meeting of 8/13/15 were unanimously approved.

UNFINISHED BUSINESS

Hawleyville Sewer Extension - Mr. Hurley reported that there has been a delay in getting signatures on the grinder pump agreement. He had to rewrite the agreement to better define the adjustment for final assessment numbers and construction cost. The other issue is that Grace Christian Fellowship is in front of the other boards and probably 2 to 3 weeks away from having approval for their project. 90 Mt. Pleasant is about to come forward with their application but they need to go through some zone changes. 10 Hawleyville Road is about 3 weeks away from putting a proposal on the table and that includes necessary zone changes. All of these are critical because they need clarification about flows. The initial engineering cost estimates on 90 Mt. Pleasant was \$800,000 to \$1.2 million. The estimated benefit assessment is over \$1.5 million. There had been a concern that this option would not pay for itself. Today they received communication from CT DOT about their requirements for a culvert crossing. The project will now be bid at the end of October.

Ms. Doost explained that they were planning to advertise for bid in September but adding the 90 Mt. Pleasant into this project it would be cheaper as a single project.

The cost estimate will get harder as they move forward.

Sewer Service Area Mapping – A marked up copy of the sewer service area map was given to Fuss & O'Neill for revision. They have also asked that the aquifer to be marked out as well. The goal is to have this finalized at the October 8th meeting.

170 Mt. Pleasant Road – Discussion on this item was tabled.

Sewer Use Regulations –Kurt Mailman of Fuss & O’Neill has done a review and will meet with DEEP to ensure any new requirements are included. Other town agencies are also reviewing it and feedback is requested by October 1

Mr. Zencey moved to add the Annual Base Compensation to the agenda. Mr. Zang seconded motion unanimously approved.

Mr. Zencey moved accept the Annual Base Compensation as presented by United Water Environmental and verified by Fred Hurley of \$635,364.04 for an increase of 856.42 Mr. Carbone seconded. motion unanimously approved

NEW BUSINESS

Committee Reports – SCADA-there are still some discrepancies and they are going to have a third party review. There is a retainage that is being held. There will be a punch list done and see if we want them to be held accountable or find another contractor and have them financially responsible. **SOLAR** – there is a substantial drop off in the last month or two. Mr. Segarra will contact Sound Solar to find out what is going on. **I&I** – nothing to report because it has been so dry.

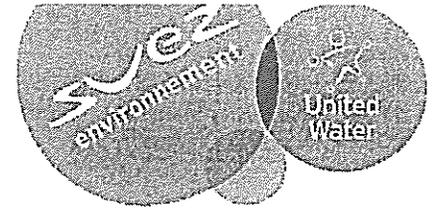
Report by United Water Environmental Services, Inc. – See Attached. Jason O’Brien introduced a new Area Manager, Mike Burke.

Report by Public Works Director – The Capital Improvement Plan – they have received the final approval for funding on the water repairs from the lightning strike of approximately \$162,000. The repairs that were completed have taken a \$300,000 item out of the CIP.

A budget will be done by the next meeting as well as a capital list.

Adjourned 8:08pm

Respectfully Submitted,
Arlene Miles



MONTHLY OPERATING REPORT
AUGUST, 2015
TOWN OF NEWTOWN WPCF

EXECUTIVE SUMMARY

During the month of August the plant process performed well. Nitrogen average pound per day during the month was **9.55 lbs.**

All annual, and semi-annual tests performed during August were completed with excellent results. ☺

SCADA project is close to completion with just some minor adjustment and third party verifications through the pump stations and plant remain.

Pump stations and plant SCADA have been in operation and working well.

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.

We are operating ultraviolet treatment and alum dosing process from May 1st 2015 – September 30th.

**The emergency generator at the Water Pollution Plant is back in service, the controller motherboard has been repaired

The main focus during the month of August was to maintain plant operations during summer repairs throughout the plant.

Plant ran well with no major issues.

Highlighted below are some of the major operations and maintenance items that are currently in progress or completed.

PROJECTS

SCADA

Full operations, Fire and security tie-in has been completed

SOLAR

IS NOW OPERATIONAL!

- Sound Solar is our new service technicians.

SEWER PLANT - OPERATIONS & MAINTENANCE

- Cleaned and organized white truck and brought in for service
- Turned on UV C and shut off UV B
- Packed a couple of boxes of binders for storage
- Repaired brush on Clarifier #2
- Repaired water line for WAS 1 pump
- All plant flow meters were calibrated at plant
- Cleaned brush off of fence line.
- Pumped out, 1.5 feet of water Clarifier #1
- Changed ballast on UV bank and cleaned photo eye on Bank C.
- Drained and cleaned off line Ox Ditch #1
- Repaired emergency lighting in plant
- Sand Filter #2 faulted out – reset filter and cleaned probes on all sand filters. Locked out sand filters #2 and #3.
- Sump pump at Headworks tripped – reset at high temp
- Cleared RAS 2 pump which had debris in pipe

COLLECTION SYSTEMS –

PUMP STATIONS, GRINDER PUMP, SEPTAGE AND SANITARY LINE & MANHOLES

- Sandy Hook P.S. Pump#1 was clogged with rags, back flushed system.
- Placed packing on loose manhole on Wasserman Way
- Replaced the above manhole with a bolt down type manhole
- Clean stilling well at all pump station.

ODOR ABATEMENT

No odors this month.

STAFFING

We are presently fully staffed for the month of August.

TRAINING

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

REGULATORY COMPLIANCE

In Compliance

Type	Gallons This Month	Target	Total Gallons This Year	Target
Sludge (SYNAGRO)	32,500	40,625 gal/mo 2 loads/wk	.065 MG	0.527 MG 75 loads/yr

ANALYSIS OF WASTED SLUDGE

Waste Activated Sludge	Total Gallons	Min %	Max %	Average %	Total Pounds
SYNAGRO	32,500	4.12	5.21	4.55	12,327

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Sewer Backup	0	0
Pump Station	2	3
Plant	0	1
Odor	0	0
Grinder Systems	0	14
Call Before You Dig (CBYD)	0	10

PROJECT MAINTENANCE

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

Type	Total This Month	Calendar	Total for Year
Preventative Maintenance	23		209
Corrective Maintenance	15		164
Emergency Maintenance	2		6
Call-Before-You-Dig (CBYD)	146		443

FIELD OPERATIONS

Type	Monthly Ft	Total for Yr	Contract	Amount Left
Sewer Cleaning Scheduled	8448	08448	*****	****7650***
Sewer Cleaning Unscheduled	0	0	*****	*****
Other	Monthly Qty	Total for Yr	Contract	Amount Left
Manhole Inspections	2	52	*****	N/A
Grinder Replacements	0	16	As Necessary	N/A
New Grinder Stations	0	0	*****	N/A

PUMP STATIONS

Station	Baldwin	Hanover	Sandy Hook	Taunton Lake	Hawleyville	Fairfield Hills Metering
Number Inspections/Mo.	8	8	8	8	8	8
Power Failures	0	0	0	0	0	0
Number Callouts	0	0	0	0	0	0
Maintenance & Repair	0	0	2	0	0	0
Flow (Total MG)	.116	.298	1.467	.347	.664	3.953
(Avg. Daily GPD)	3,758	9,635	47,330	11,213	21,448	127,532

FINANCIAL STATUS – MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$55,000	\$4,737.82	\$16,019.11	\$38,980.89
Capital Repair and Replacement	\$95,000	\$19,830.93	\$21,923.36	\$73,076.64

HAWLEYVILLE SEWER DISTRICT
EXECUTIVE SUMMARY - OPERATION & MAINTENANCE

INSPECTIONS

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

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		
Corrective Maintenance	1	2
Emergency Maintenance		

FIELD OPERATIONS

Hawleyville District	Monthly Qty	Total for Year
Service Inspections		
Call-Before-You-Dig (CBYD)	0	0

HAWLEYVILLE - FINANCIAL STATUS - MAINTENANCE

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

FLOW AND LOADS TRACKING

Budget Month/Yr	Influent Flow, MGD	Influent BOD, lbs	Influent TSS, lbs	Calendar Month / Year	Average N, lbs
July, 2015	0.516	1,313	1,453	January, 2015	22.73
August, 2015	0.354	724	735	February, 2015	17.43
September, 2015				March, 2015	19.02
October, 2015				April, 2015	17.45
November, 2015				May, 2015	13.05
December, 2015				June, 2015	14.1
January, 2016				July, 2015	11.63
February, 2016				August, 2015	9.95
March, 2016				September, 2015	
April, 2016				October, 2015	
May, 2016				November, 2015	
June, 2016				December, 2015	
Monthly Average	0.435	1018.500	1,094	Calendar Year to Date Average	15.67
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 = 42 Lbs/day
Deviation % (+/-)	-17.92	1.95	55.61	Deviation % (+/-)	-62.69

FAIRFIELD HILLS WTF

EXECUTIVE SUMMARY

The staff continues to improve equipment and standard operating methods to prevent Fairfield Hills WTP failures. Well # 7 is operating as the lead pump and # 3 as lag. The water treatment plant operated very well in August considering the power issues from the lighting strike.

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 Water treatment operations have resumed normal operations.

The natural gas generator for water treatment plant and well three is now online and operation.

The portable diesel gen-set has been delivered tested and ready for service.

Note: It has ample power to operate any needs at water or wastewater stations.

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

OPERATION & MAINTENANCE

- Swept and cleaned the Water Treatment Plant, Well #8, and bunkers
- Cleaned fence line at WTP
- Nutmeg at WTP, working on sealing leaks and setting transducer
- Feed line to the CL2 injector - pulled apart and cleaned.
- Structural Engineering working at the bunker.
- Lock out valves and hydrants at the WTP and bunkers
- All flow meters calibrated at WTP, Well #3 and Well #7
- Sullivan Cable working on WTP and Well #7
- Northeast Communication working at WTP and Well #7
- Flushed water lines at EOC, Norwalk, both side and back, Washington Square, Ambulance Center, Keating Farm RD, Military Dogs, Town Hall and behind Reed School.
- Pulled out sink at WTP
- Added new screen on piping in back of WTP building
- Completed all changes required by the DPH inspector.

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	1
Well Houses	0	0
Reservoirs (Storage)	0	0
Customer Service Issues	0	1
Water Main Breaks	0	1

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	17	95
Corrective Maintenance	18	50
Emergency Maintenance	0	12

FAIRFIELD HILLS WATER - FIELD OPERATIONS

Other	Monthly Qty	Total for Year
Valve Inspections	0	4
Hydrant Inspections	9	25
Service Inspections	0	26
Call-Before-You-Dig (CBYD)	1	49

FINANCIAL STATUS - MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$15,500.00	\$1,956.67	\$4,613.64	\$10,886.36
Capital Repair and Replacement	\$20,000.00	\$2,508.15	\$21,690.23	-\$1,690.23

WELL PRODUCTION

Month/Yr	Well No. 3 Gallons	Well No. 7 Gallons	Well No. 8 Gallons	Plant Production Gallons
July 2015	74,000	5,478,200		5,552,200
August 2015	810,000	5,592,100		6,402,100
September 2015				
October 2015				
November 2015				
December 2015				
January 2016				
February 2016				
March 2016				
April 2016				
May 2016				
June 2016				
Monthly Average	442,000	5,535,150	0	5,977,150
Daily Average	26,129	180,390	0	206,519