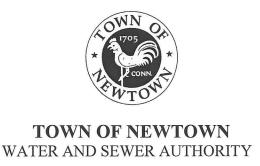
4 Turkey Hill Road Newtown, CT 06470 Tel (203) 270-4300 Fax (203) 426-9968

Fred Hurley,

Director



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 directly following its public hearing on April 9, 2015 at the Waste Water Treatment Plant, 24 Commerce Road, Newtown, CT. Chairman Brown called the meeting to order at 7:43pm.

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

Absent: Lou Carbone, George Hill

Also Present: Director of Public Works Fred Hurley, Jason O'Brien and Julio Segarra of United Water Environmental, Mike Burton, Kurt Mailman of Fuss & O'Neill 6 members of the public and 2 members of the press

Public Participation - None

Approval of the Minutes – The previously distributed minutes of the regular meeting of 3/12/15, public hearing of 3/12/15, public meeting of 4/1/15 and special meeting of 4/1/15 were unamously accepted with the correction in the regular meeting of 3/12/15 correcting the name of WSA member to Zencey in the 2nd and 3rd motions.

UNFINSIHED BUSINESS

Hawleyville Sewer Extension-Engineer Design Contract - Kurt Mailman presented a revised map with the updated work that has been completed. Mr. Zang asked if the large parcels are not built out, will there be an issue which Mr. Mailman replied that they have worked that into the plan. Mr. Mailman explained that they have not gotten on to the properties yet, because they have not gotten signed an agreements from property owners (Attachment A). Mr. Hurley explained that the revised benefit analysis has been done so now they have a good not to exceed number and can move forward with the agreement once provided by the Town Attorney.

Kurt also explained where they are in the permitting process (Attachment B).

NEW BUSINESS

10-22 Washington Avenue – Alan Shepard has recused himself from any business concerning 10-22 Washington Avenue. Mr. Zang moved to table this item until the next hearing, May 14, 2015, after the 2011 map, the minutes that approved that map and the engineers report have been reviewed. Mr. Carbone seconded, motion unamously approved.

Mr. Zancey moved to have Fuss and O'Neill and the applicants engineer enter into discussion prior to the May 14, 2015 meeting. Mr. Carbone seconded, motion unamously approved. Mr. Zang clarified that this has to meet the DEEP regulations and the land use regulations on the site plan

5 School House Hill Road – Mr. Hurley reported that 5 School House Hill Road has a major issue with their septic. They may want to do a grinder pump and go into Hanover. They just want to know if the board would consider this request, if not, they will put in a new septic. It could be cost prohibitive but worth a look. Mr. Hurley will follow up with the Health Department and come up with some estimates.

Committee Reports – Mr. Shepard, Mr. Vetrano and Mr. Zang have been working on the regulations. They anticipate a draft to members in a few weeks so when they have a hearing they can vet it.

Report by United Water Environmental Services Inc. — Solar panels have not been fixed because the vendor has not responsive. I&I — they are going to be getting a truck in for 5 days to camera the Taunton area and then move to the Hanover. SCADA — as of the last week of March they are 95% complete. A copy of the March Operating report is attached (Attachment C).

Report by Public Works Director – Fred received a letter from James Knapp requesting sewer use charges levied against 4 Berkshire Road to be waved (Attachment D). This will be put on the May 14th agenda.

Mr. Hurley also received a feasibility report on the Glen Road sewer extension which would go down to the Watkins property. This would allow an additional 3 to 4 properties to be connected.

Having no further business, meeting was adjourned at 9:05pm

Arlene Miles, Clerk

Newtown Water and Sewer Authority (WSA)

4 Turkey Hill Road Newtown, CT 06470



April 9, 2015

RE: Hawleyville Low Pressure Sewer Extension Project - Grinder Pump Location

Dear Newtown Property Owner,

Low pressure sanitary sewers are being installed in your area by the Newtown Water and Sewer Authority (WSA). As part of this project, a grinder pump unit and lateral service connection needs to be installed on your property.

The WSA will furnish and install a grinder pump and service lateral, provide any necessary electrical upgrades, and abandon your existing septic system in compliance with the public health code to provide you with a fully functional sewer system. This work will be performed by a Contractor ("The Contractor") hired by the WSA. The Contractor will also be responsible for restoring your property to existing conditions in areas disturbed by the grinder pump, service connection, and building connection installation.

Most grinder pump units are typically installed near the building outlet that drains to your septic tank to minimize connection costs. The grinder pump will be installed at a location on your property selected by you to the extent possible based on your preferences, topography and health code regulations.

The Contractor will coordinate with you during construction to mount an alarm panel on the exterior of your building, as the panel must be in a conspicuous location and readily seen from the pump. The Contractor is responsible to provide necessary electrical upgrades, as required and connections from your electric service to the grinder pump panel through a licensed electrician.

Please complete the attached grinder pump and sewer lateral location form in accordance with the attached instructions to indicate the location where you would like to have the grinder pump installed and where the service lateral should be located between the grinder pump and the sewer main in the street (if different than what is shown).

We recognize that majority of the properties within the Hawleyville area are served by Aquarion Water Company, however due to health code restrictions, please indicate the location of any active water supply wells on your property if they exist. It is also necessary that you include the location of your electric service, where it enters your residence, and the amperage rating of the electric service. Please fill the back of the grinder pump location form, sign and return the completed drawing by March 20, 2015 to:

Arlene Miles Town of Newtown 4 Turkey Hill Road Newtown, CT 06470

F:\P1992\92248\A20\Task 2500 - Detailed Design\Grinder Pump Service Connections & Easements\20150210_Grinder Pump Location Form.doc

If you have questions about this request or desire further information pertaining to your grinder pump system installation, please contact Rachel Drew of Fuss & O'Neill, Inc. at (860) 646-2469, Extension 5578.

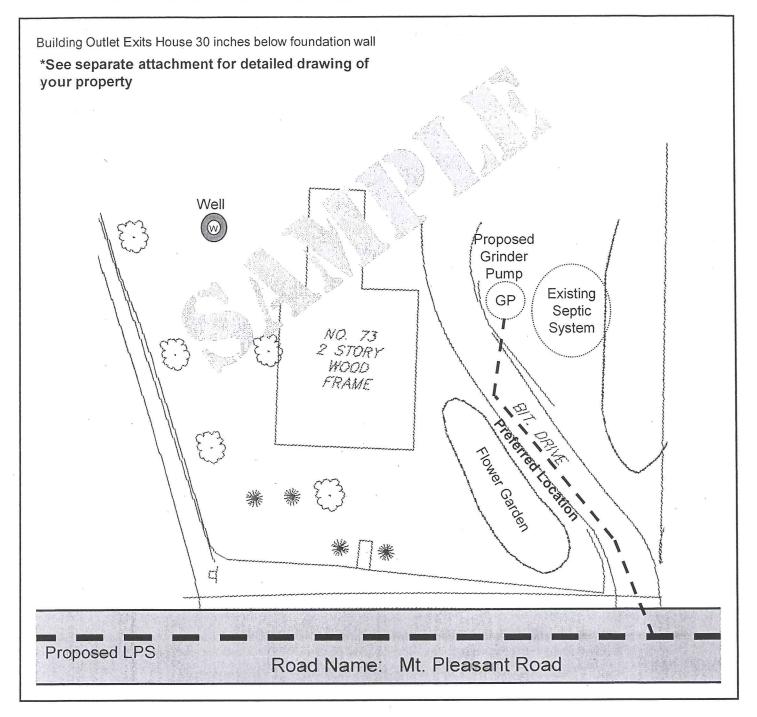
Construction of the sewerage system is anticipated to begin during Summer 2015. The WSA will update the construction schedule for the project before construction starts.

We thank you in advance for your patience and cooperation during construction until surface restoration can be accomplished.

Sincerely,

Fred Hurley DPW, Director

Sewer Lateral Location Form



Name: John T. Smith

Property Address: 73 Mt. Pleasant Rd.

Daytime Phone: 203-646-2469

Return By: March 20, 2015

Signature: John J. Smith

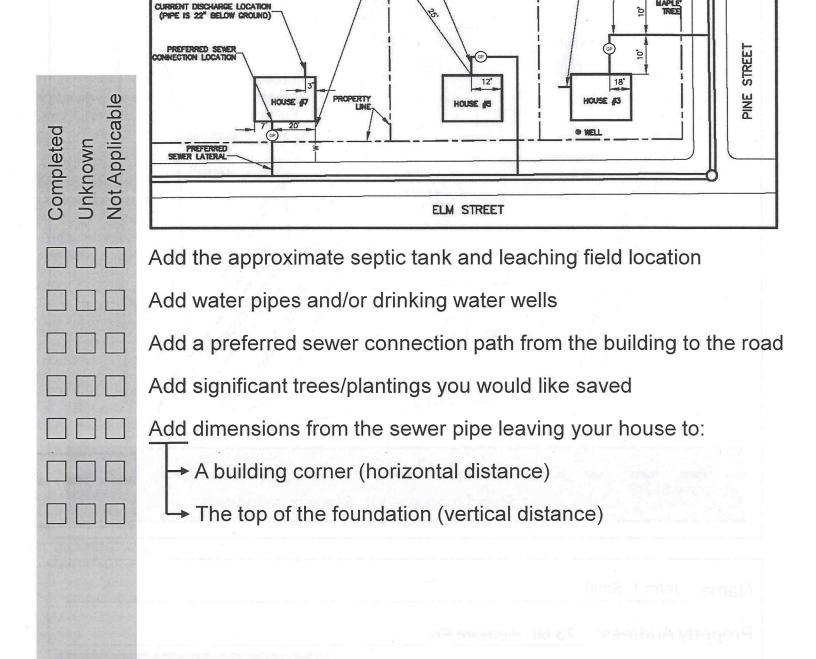
Date: 2/24/2014

Note: This form is not a permit and does not constitute permission to connect to the sanitary sewer system.

Sewer Lateral Location Form Instructions

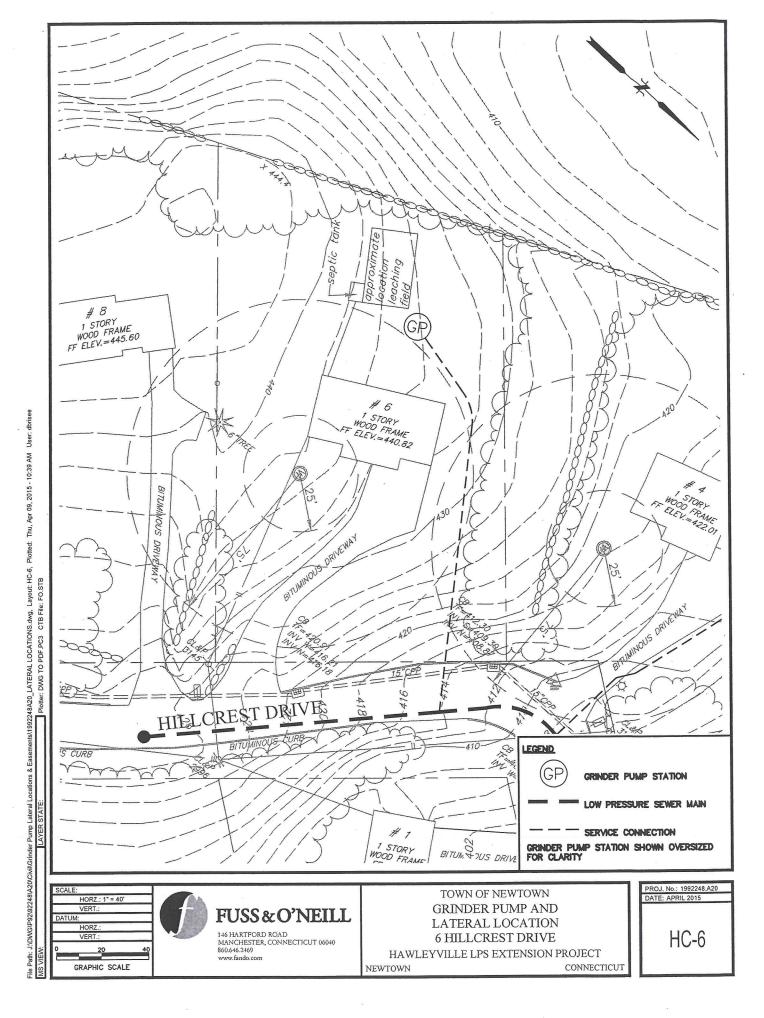
PRESENT & PREFERRED LOCATION
(PIPE 26" BELOW TOP OF FOUNDATION)

CURRENT DISCHARGE LOCATION (PIPE IS 12" BELOW GROUND)



Please Note:

- 1. Additional information can be added directly to the drawing or attached as separate sheets.
- 2. Building sewer connections should be 25 feet from drinking water wells & 10 feet from water pipes.
- 3. Field conditions may require modification of your preferred sewer connection path.
- 4. It may not be possible to save all trees/plantings. Considerations will be made to minimize site impact.



Name:	
Property Address:	
Daytime Phone:	Return By: April 24, 2015
Signature:	Date:
Note: This form is not a perr the sanitary sewer sy	mit and does not constitute permission to connect to stem.

Attachment B

Permitting Status Table Hawleyville Low Pressure Sewer Extension Project Town of Newtown April 9, 2015



Permitting Agency	Permit	Submitted	Response	Approval Status
Town of Newtown Inland Wetlands	Agent Permit Application (Short Form)	02/26/15 - Submitted Permit Application (Short Form) to Newtown Land Use Enforcement Officer	02/26/15 - Received signed application	02/26/15 - Application Signed (Permit #14-28)
Town of Newtown Planning & Zoning	CSS 8-24 Referral	02/26/15 - Met with Newtown Land Use Enforcement Officer to review project scope.	03/19/15 - Unanimously Passed at the Planning & Zoning Town meeting	Awaiting Copy of CSS 8-24 Referral Letter
		1/28/15 - Developed Environmental Monitor Project Scoping Notice and submitted to CT DEEP	2/3/15 - Environmental Monitor Project Scoping Notice Posted on State of CT Council on Environmental Quality Website	OTEN CHEN
CT DEEP Bureau of Water Management	CEPA Review	<u>3/24/15</u> - Developed Environmental Assessment Summary Post Scoping	3/10/13 - Public Notice Period Ended - I wo comments received from CT DPH regarding well radii	STIZECTS - STEAP Funding Agreement reportedly sent to the Town for Signature
		Notice and submitted to CT DEEP	4/7/15 - Environmental Post Scoping Notice Posted on State of CT Council on Environmental Quality Website	
CT DEEP Bureau of Water Management	Sewer Extension Permit			Need to File Sewer Extension Permit at 90% design completion
СТ БОТ	DOT Encroachment Permit	01/26/15 - Submitted DRAFT plan set to CT DOT	03/06/15 - Received comments and request to resubmit	In the process of finalizing draft Contract Documents for resubmission
ACOE	Category 1 General Permit		, .	Category 1 General Permit is not necessary. The extent of work will not occur within Federal jurisdictional wetlands or waterways.





MONTHLY OPERATING REPORT MARCH, 2015 TOWN OF NEWTOWN WPCF

EXECUTIVE SUMMARY

During the month of March the plant process performed well. Nitrogen average pound per day during the month was 19.02. 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.

Pump stations have been in operation and working well with a few more items on the punch list.

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 no longer operating ultraviolet treatment and alum dosing process until May 1st 2015.

The main focus during the month of March was to maintain plant operations during the snow events and cold weather conditions.

Plant ran well with no major issues.

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

PROJECTS

SCADA

<u>Final steps of the project was accomplished the last week of March with</u> some minor adjustment that will be finalized.

SOLAR

operational

• Solar panels waiting for repair from service technician.

<u>Collection Systems</u> Scheduling TV work for April

SEWER PLANT - OPERATIONS & MAINTENANCE

- Replaced ball valve on Clarifier#2
- Fix broken water hydrant at Clarifier splitter box
- Reset heater in Furnace room of Filter building
- Scada upgrade in Headworks Building
- Flushed out Return Activated Sludge (RAS) tubes for pump#1
- Performed Scada work in Clarifier Building
- J&B Motors worked on broken shaft of Return Activated Sludge (RAS) pump#1
- Worked on calibration of turbidity meters
- Replaced grinder pump at 23 Commerce Rd.
- Flushed out the Return Activated Sludge (RAS) tubes for 2 hours on Clarifier #1
- Changed belts on plant drain pump #1 & #2
- Worked on probes for oxidation ditch #2
- Snow removal at plant
- Replaced faucet in woman's bathroom of Administrative building
- Worked on fastening grating in Filter Bldg.
- Monthly Safety Equipment Inspection
- Drained water out of secondary containment in the plant generator
- 3/13 Started GBT at 0900 and stopped at 1430
- Cleaned garage and worked on new tables
- Started making a shield for new chop saw and drill press
- Greased Gravity Belt Thickener (GBT), Return Activated Sludge (RAS), and Wasted Activated Sludge (WAS) pumps
- Worked on grating over splitter box
- Worked on grating next to Headworks
- Installed plywood in garage for drill press and chop saw.
- Assembled welding bench
- Cleaning and prepping floor for sealant at water plant
- Knapp Engineering working on plant drain pumps
- Sealing cracks in the clear well at WTP
- 3/25 Started GBT 0750 shut down at 0215.
- Repaired leaking hose on the Rotomatt going to the screenings wash port
- Cleaned floor in the GBT room
- Ran electrical line for Scada monitor
- Conducted Monthly Plant Inspection
- Took snow plow off of city truck
- Replaced desiccant in both internal & external samplers
- Worked on ditch oxidation box for ditch #1
- Installed new D.O. panel for ditch #1

COLLECTION SYSTEMS –

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

- Replaced door contacts on Hanover & Baldwin Pump Station
- Pulled crow bar out of manhole on Riverside Rd
- Snow removal at pump stations
- Hanover Pump station pulled apart check valve on pump #1 and cleaned rags and back flushed pump #2
- Started alum pump #2
- Clean and salted ground at pump stations
- Replaced grinder pump #2 at Trailer Park
- Butterworth & Scheck changing ball valve on pump #2 and maintaining wet well level while fixing valve at Hanover Pump Station
- Cleaned contacts at Hanover Pump Station
- Operated Gravity Belt Thickener in Filter Building on 3/3/15, 3/4/15 and 3/11/15
- Replaced hour meter from Hawleyville pump station compressor
- Grinder pump call at 5 Sunset Hill Rd
- Adjusted belt on air compressor at Taunton Lake pump station and flared copper air tube
- Replaced batteries in both flow meters on Taunton Lake Rd.

ODOR ABATEMENT

No odors this month.

STAFFING

We are presently fully staffed for the month of March.

TRAINING

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

REGULATORY COMPLIANCE

In Compliance

PLANT - SOLIDS HANDLING

Type	Gallons This Month	Target	Gallons This Year	Target
Sludge	65,000	40,625 gal/mo	.279	0.527 MG
(SYNAGRO)		2 loads/wk	MG	75 loads/yr

ANALYSIS OF WASTED SLUDGE

Waste Activated	Total	Min	Max	Average	Total
Sludge	Gallons	%	%	%	Pounds
SYNAGRO	65,000	2.80	4.91	4.33	23,766
					,

EMERGENCY CALL-OUTS

Type	Total This Month	Total for Year
Sewer Backup	0	0
Pump Station	0	1
Plant	0	1
Odor	0	0
Grinder Systems	0	3

PROJECT 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	35	93
Corrective Maintenance	13	68
Emergency Maintenance	1	1
Call-Before-You-Dig	28	65
(CBYD)		

FIELD OPERATIONS

Туре	Monthly Ft	Total for Yr	Contract	Amount Left
Sewer Cleaning	0	0	*****	****7650***
Scheduled				
Sewer Cleaning	0	0	*****	*****
Unscheduled	8			
Other	Monthly Qty	Total for Yr	Contract	Amount Left
Manhole	1	13	*****	N/A
Inspections				
Grinder	2	5	As Necessary	N/A
Replacements				
New Grinder	0	0	*****	N/A
Stations				

PUMP STATIONS

Station	Baldwin	Hanover	Sandy Hook	Taunton Lake	Hawley- ville	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	1	4	0	1	1	0
Flow (Total MG)	.133	.372	1.854	.724	.610	7.290
(Avg. Daily GPD)	4,304	12,013	59,838	23,370	19,700	235,161

FINANCIAL STATUS – MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and	\$55,000	\$4,279.29	\$49,396.99	\$5,603.01
Predictive				
Capital Repair	\$95,000	\$19,023.79	\$129,610.31	-\$34,610.31
and Replacement				

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		

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		
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 2014	.422	828	746	January 2015	22.73
August 2014	.351	695	513	February 2015	17.43
September 2014	.299	589	586	March 2015	19.02
October 2014	.351	650	607	April 2015	
November 2014	.421	753	850	May 2015	
December 2014	.604	947	815	June 2015	
January 2015	.534	732	607	July 2015	
February 2015	.487	684	603	August 2015	
March 2015	.575	803	726	September 2015	
April 2015				October 2015	
May 2015				November 2015	
June 2015				December 2015	
Monthly Average	.449	742	673	Calendar Year to Date Average	19.72
Contract	Average 0.53	Avg. 999	Avg. 703	Contract	NPDES
	MGD	lbs/day	lbs/day		Permit
	Adjustment =	Adjustment =	Adjustment		Limit
	Change in	Change in			=
	Flow in MG *	BOD in lbs *	Change in		42
	\$17.83/MG	\$0.04/lb	TSS in lbs * \$0.16/lb		Lbs/day
Deviation % (+/-)	-15.22	-25.69	-4.17	Deviation % (+/-)	-53.03

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. The water treatment plant operated very well in March.

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.

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

OPERATION & MAINTENANCE

- Performed electrical work for Scada at well # 7
- Meter reading for FFH
- Scada work on well #8 and bunker
- Flushed Town Hall water lines at Fairfield Hills
- Calibrate flow meter on Taunton Lake Rd.
- Monthly water meter readings
- Open valve at FFH for Horse Guard Main Building
- Precision Alarm working at storage tank, changed the batteries and recorded date from the flow meters at Taunton Lake
- Flushed out line at cul de sac on Mile Hill Rd, Military Dog compound and at City Hall
- Butterworth and Scheck replacing valve on Trades Lane
- Repair water leak in line for Hach chlorine analyzer
- Butterworth & Scheck replaced broken valve #51 on Cochran St.
- Butterworth and Scheck replaced gate valve to Horse Guard Main Building due to water leak.

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

Туре	Total This Month	Total for Year
Plant WTP	0	0
Well Houses	0	0
Reservoirs (Storage)	0	0
Customer Service Issues	0	0
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	13	31
Corrective Maintenance	2	5
Emergency Maintenance	0	1

FAIRFIELD HILLS WATER - FIELD OPERATIONS

Other	Monthly Qty	Total for Year
Valve Inspections	1	1
Hydrant Inspections	1	1
Service Inspections	1	24
Call-Before-You-Dig (CBYD)	5	10

FINANCIAL STATUS - MAINTENANCE

Item	Budget \$	\$ Spent/Mo	\$ Spent/Yr	\$ Remaining
Preventative and Predictive	\$15,500.00	\$1,498.73	\$16,429.85	-\$929.85
Capital Repair and Replacement	\$20,000.00	\$4,855.73	\$79,771.66	-\$59,771.66

WELL PRODUCTION

Month/Yr	Well No. 3 Gallons	Well No. 7 Gallons	Well No. 8 Gallons	Plant Production
				Gallons
July 2014	456,000	6,014,500	0	6,470,500
August 2014	1,000	5,589,800	0	5,590,800
September 2014	0	6,124,500	0	6,124,500
October 2014	0	6,215,200	0	6,215,200
November 2014	93,000 ***	2,257,500 ***	0	2,350,500 ***
December 2014	889,000	6,019,600	0	6,908,600
January 2015	0	3,674,700	0	3,674,700
February 2015	0	7,070,400	0	7,070,400
March 2015	0	4,430,500	0	4,430,500
April 2015			0	
May 2015			0	
June 2015			0	
Monthly Average	159,889	5,266,300	0	5,426,189
Daily Average	0	142,919	0	142,919

^{***}Water reading were only two weeks' worth of operation due to holiday schedules

April 9,

Attachment D

2015

To: Newtown Water and Sewer Authority

From: James Knapp, 22 Oak View Rd., Sandy Hook, CT

Re: Sewer use charges, 4 Berkshire rd

Dear Sirs, per the recommendation of Fred Hurley I am writing you in regards to the sewer use charges levied against 4 Berkshire Rd. I have an issue paying these charges both economically and in principle. In the interest of keeping this short let me briefly summarize some of the facts regarding the situation.

I own the two adjoining properties on the left side of Oak View road as you drive in from Route 34 to the high school. Combined they sit on approximately 5 acres of some of the best septic gravel in town.

Neither of these properties was included in the original sewer service area. Both of these properties had newly installed septic systems just before the extension to the high school. The WPCA (WSA) and prior litigated agreements have graciously granted permission not to hook up unless I choose to or in the event of a failure.

In my opinion this line to the high school should have been considered an extension of a transmission main. In accordance with Chapter 690-8 I shouldn't even have to pay a tax assessment. I am paying the full \$9,900.00 + interest on both properties.

When the decision was made to connect to the high school via Oak View Rd instead of Route 34 my property was suddenly thrown in the sewer district. The depth of the pipe in front of my house resulted in the complete destruction of my front yard while I was away on a business trip.

The Connecticut Gen. Statutes, Chapter 102, Sec.7-239 grants the local authority the right to establish rates for use "to be paid by the owner of each lot or building which is connected with and uses such system"

As a lifelong resident in Newtown I have seen the cost of living here skyrocket disproportionately in relation to other economic factors. The taxes on the house I built in 1990 have risen from a little over aprox. \$4000 to \$13,500, not including my sewer assessment. The people in the tax office responded with "Oh it's not so much- it's only the minimum charge". I don't know about you but all of these little charges and taxes are adding up to the point where there's nothing left of my paycheck at the end of the week and the prospect of retirement in the town I grew up in is looking pretty dim.

I have worked in municipalities and as a plant engineer long enough to know what happens to usage fees on an aging sewer system. It's bad enough that I'm paying \$20,000 for a tax benefit I neither agree with nor will I ever realize and now you ask me to pay usage fees on a system I'm not even hooked to and will probably never use in my lifetime.

I look forward to your consideration on this matter and I wish to thank you again for your continuing service to Newtown.

Best regards, Jim Knapp

PS: Feel free to contact me at 203-364-6114 or jmknap@aol.com if you have any questions.