

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*  
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 December 8, 2016 at the Wastewater Treatment Plant, 24 Commerce Rd, Newtown, CT. Chairman Marianne Brown called the meeting to order at 7:00 pm

**Present** – Marianne Brown, Lou Carbone, Richard Zang, Carl Zencey, Gene Vetrano

**Absent** - George Hill, Alan Shepard

**Also Present** – Director of Public Works, Fred Hurley, Julio Segarra and Michael Burke of Suez Water Environmental Services

**Public Participation** – None

**Approval of the Minutes** – Carl Zencey moved to approve the minutes from the October 13, 2016 meeting, motion unanimously approved.

Dick Zang moved to approve the minutes from the November 10, 2016 meeting, motion unanimously approved.

### UNFINISHED BUSINESS

*Hawleyville Sewer Extension* – Fred Hurely presented Fuss & O’Neill’s most current progress report (Attachment A). They are doing the pressure testing on individual properties and there have been failures. 90% of the issues have been connections and are simple fixes. The system is basically operational. They have cleaned up the sight area and the spot paving that had to be done has been completed. They have to come back for a portion of paving in the spring after the water line goes in. This will be a split cost for the mill and pave.

*Benefit Assessments* – Benefit assessment for 2 Saw Mill Road has come in at \$13,000 which is under the minimum. Mr. Hurley suggested that they stick to the minimum of \$14,000 for commercial. He also recommended, in this case, the appraisal reflect what the true cost is. They still have to sign the sewer extension agreement.

The full appraisal for 12-22 Washington Road was completed. The gross number is the same, \$715,000. The assignment per unit may change because there are some modifications from Planning and Zoning and they have not heard from the property owner.

*VFW, 1 Tinkerfield Road* – A letter from the Health Department was received with the recommendation to hook up. They need a benefit assessment and find out where the hook up will be. (Attachment B).

Dick Zang moved to authorize a benefit appraisal for 1 Tinkerfield Road. Gene Vetrano seconded, motion unanimously approved.

*Budget* – Fred Hurley presented the proposed budget (Attachment C). There is a preliminary audit for the town. For the Water side, they need to have a schedule A for the water that monetizes the cost of capital project repayments to the sewer. The big change is O&M and Capital Outlay. Between the two, although lower, there is enough to do well 8.

Sewer Revenues, there is no projection for a rate increase for 16/17. Sewer Benefit Assessments, – there are two line items that appear to be the same, it may make sense to have one for assessments that are paid back longer than a year and the other for brand new assessments.

Sewer Expense, common costs are split 95% central and 5% to Hawelyville. The water side there is enough revenue to cover costs and to set up a repayment not for capital costs paid by the sewer side. There is a \$10,000 shortfall of revenue versus expenses in the central district . Hawelyville appears to be covering all expenses.

Dick Zang moved to adopt the water budget presented, Carl Zencey seconded, motion unanimously approved.

Dick Zang moved to adopt the sewer budget as presented, Gene Vetrano seconded motion unanimously approved.

2017 Meeting Schedule – Dick Zang move to adopt the 2017 Meeting Schedule changing the April meeting date from the 13<sup>th</sup> to the 20<sup>th</sup>. Carl Zencey seconded, motion unanimously approved (Attachment D).

## **NEW BUSINESS**

*12 Queen Street request for assessment payment installment plan* – They have requested the benefit assessment paid without interest or penalty over 8 years.

Dick Zang moved to set the benefit for 12 Queen Street at the appraised amount minus 10% payable in five years with interest at the town prevailing rates. Lou Carbone seconded, motion unanimously approved.

*Committee Reports* – Dick Zang has requested to get the Sewer Use Regulations in the new format from the Town Clerk.

*Report by Suez Water Environmental Services* – Julio Segarra reported that everything has been running relatively smoothly (Attachment E). Clarifier #2 is being overhauled. The water table is getting very extremely low. When it is running, well 3 which was at 22 feet and has gone down to 5. They installed the two flow meters. They are also getting through the hick up stage of the new permit. Tomorrow will be the first net DMR submission.

*Report by Public Works* – Fred Hurley reported that Rand Whitney will continue to operate on Edmond Road. They are also looking at a different location in the Hawleyville area. It has been requested that the WSA determine best way improve the infrastructure at FFH with \$500,000. Canaan house demolition came in under budget so they want use those funds for FFH infrastructure.

Having no further business, the meeting was adjourned at 8:21pm

Respectfully Submitted

Arlene Miles, Clerk



FUSS & O'NEILL

December 2, 2016

Fred Hurley  
Department of Public Works Director  
4 Turkey Hill Road  
Newtown, CT 06470

RE: Progress Report  
Hawleyville LPS Sewer Extension  
F&O Project Number: 1992248.A20

Dear Mr. Hurley:

Please find a copy of our project summary for the work accomplished during the month of October 2016.

Summary

The following activities were conducted between the dates of October 2, 2016 and October 29, 2016:

1. COMPLETED TASKS

- Resident Inspection
- Coordination on Grinder Pump locations & Agreements (#2 Sawmill Rd & #130 Mt. Pleasant Rd.)
- Reviewed Change Order No. 4
- Developed Change Order No. 5
- Reviewed Pay Requisition No. 6 & 7
- Reviewed Certified Payroll
- Coordinated with Contractor regarding delivery of Grinder Pumps
- Attended Project Progress Meeting with Town and Contractor
- Coordinated with Contractor on LPS pressure testing

2. PROJECTED TASKS FOR NOVEMBER 2016:

- Resident Inspections (On-going Task)
- Review Change Orders (On-going Task)
- Review Pay Requisition (On-going Task)
- Review Certified Payroll (On-going Task)
- Coordination on Grinder Pump location & Agreement (On-going Task)
- Attend Grinder Pump Station Start up and Commissioning Services
- Lateral Pressure Testing (On-going Task)
- Mill & Overlay State Road
- Prepare Punch list Items
- Attended WSA Meeting (As needed)

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FUSS & O'NEILL

Mr. Fred Hurley  
December 2, 2016  
Page 2

3. BUDGET

- Invoice 0190435 in the amount of \$45,413.65

I trust that the information in this letter helps you understand the work that has been performed during the previous months. Should you have any questions or require clarification, please do not hesitate to contact me.

Sincerely,

Kurt Mailman, P.E.  
Vice President

Newtown Health District  
3 Primrose Street  
Newtown, CT 06470  
Tel. (203) 270-4291  
FAX (203) 270-1528  
[donna.culbert@newtown-ct.gov](mailto:donna.culbert@newtown-ct.gov)



Newtown Health District  
*serving the towns of  
Bridgewater, Newtown  
and Roxbury*

## NEWTOWN DISTRICT DEPARTMENT OF HEALTH

November 17, 2016

TO: Fred Hurley, Director of Public Works

FROM: Donna M. Culbert, MPH, PE, RS *DMC*  
Director of Health

RE: Newtown Veterans Memorial Building Association  
1 Tinkerfield Road, Newtown, CT

The Newtown Health District has reviewed its property file for the referenced property.

- There is no detailed septic system information for the property, with regard to soil data or septic system design or construction.
- There are no entries regarding septic failures or complaints.
- There have been numerous notations and acknowledgments on building permit applications, for various building improvement and maintenance projects over the years, that the public sewer is available in the event it was needed.

It is the Newtown Health District's position that connection to an available sanitary sewer is recommended as the preferred viable long-term method for wastewater disposal.

If you have any questions or require any additional information, please contact me.

# Attachment C

## FUND BALANCE - 6/30/16

**Working Capital (Cash) = Current Assets - Current Liabilities**

		SEWER	WATER
TOTAL	Current Assets	\$3,528,177	\$93,628
TOTAL	Current Liabilities	\$1,587,060	\$1,033,159
NET	Working Capital	\$1,941,117	(\$939,531)

OVERALL Net Working Capital                      \$1,001,586

TOWN OF NEWTOWN, CONNECTICUT

STATEMENT OF NET POSITION  
PROPRIETARY FUNDS  
JUNE 30, 2016

	BUSINESS-TYPE ACTIVITIES			GOVERNMENTAL
	MAJOR FUNDS			ACTIVITIES
	SEWER DEPARTMENT	WATER DEPARTMENT	TOTAL	INTERNAL SERVICE FUNDS
<b>LIABILITIES</b>				
Current liabilities:				
Accounts payable.....	\$ 456,941	\$ 308,375	\$ 766,316	\$ 239,928
Claims payable.....			-	1,083,048
Due to other funds.....		723,784	723,784	
Bonds and notes payable.....	1,089,198		1,089,198	
Other.....	20,921		20,921	114
<b>Total current liabilities.....</b>	<b>1,567,060</b>	<b>1,033,159</b>	<b>2,600,219</b>	<b>1,323,090</b>
Noncurrent liabilities:				
Advance from other funds.....		775,517	775,517	
Bonds, notes payable and related liabilities.....	2,511,217		2,511,217	
<b>Total noncurrent liabilities.....</b>	<b>2,511,217</b>	<b>775,517</b>	<b>3,286,734</b>	<b>-</b>
<b>TOTAL LIABILITIES.....</b>	<b>4,078,277</b>	<b>1,808,676</b>	<b>5,886,953</b>	<b>1,323,090</b>
<b>DEFERRED INFLOWS OF RESOURCES</b>				
Advance collections.....	4,802		4,802	
<b>NET POSITION</b>				
Net investment in capital assets.....	22,851,857	3,097,815	25,749,572	
Unrestricted.....	4,743,551	(1,715,048)	3,028,503	2,743,633
<b>TOTAL NET POSITION.....</b>	<b>\$ 27,395,208</b>	<b>\$ 1,382,867</b>	<b>\$ 28,778,075</b>	<b>\$ 2,743,633</b>

(Concluded)

TOWN OF NEWTOWN, CONNECTICUT

STATEMENT OF NET POSITION  
PROPRIETARY FUNDS  
JUNE 30, 2018

	BUSINESS-TYPE ACTIVITIES			GOVERNMENTAL
	MAJOR FUNDS			INTERNAL
	SEWER DEPARTMENT	WATER DEPARTMENT	TOTAL	SERVICE FUNDS
<b>ASSETS</b>				
Current assets:				
Cash.....	\$ -	\$ -	\$ -	\$ 3,051,498
Investments.....	1,447,861		1,447,861	
Receivables:				
Assessments.....	850,440		850,440	
Use charges (net).....	138,718	93,628	232,346	
Other.....			-	289,051
Due from other funds.....	1,091,158		1,091,158	716,174
<b>Total current assets.....</b>	<b>3,528,177</b>	<b>93,628</b>	<b>3,621,805</b>	<b>4,066,723</b>
Noncurrent assets:				
Assessment receivables (net).....	922,521		922,521	
Advance to other funds.....	775,512		775,512	
Capital assets (net of accumulated depreciation/amortization):				
Land.....	1,000		1,000	
Construction in progress.....	1,830,222	942,588	2,772,810	
Intangible assets.....	347,167	144,188	491,353	
Plant and pumping stations.....	8,000,510	789,825	8,790,335	
Sewer distribution system.....	15,973,412		15,973,412	
Water distribution system.....		1,221,316	1,221,316	
Vehicles.....	92,120		92,120	
<b>Total capital assets (net of accumulated depreciation/amortization).....</b>	<b>26,244,431</b>	<b>3,097,915</b>	<b>29,342,346</b>	-
<b>Total noncurrent assets.....</b>	<b>27,942,469</b>	<b>3,097,915</b>	<b>31,040,384</b>	-
<b>TOTAL ASSETS.....</b>	<b>31,470,646</b>	<b>3,191,543</b>	<b>34,662,189</b>	<b>4,066,723</b>
<b>DEFERRED OUTFLOWS OF RESOURCES</b>				
Deferred charge on refunding.....	7,641		7,641	

Will collect 99% in  
2018/19

(Continued)

Working capital = current assets - current liabilities = \$1,961,117 for sewer and (\$939,531) for water



**2016-2017**  
**PROPOSED WATER REVENUE/EXPENSE BUDGET**

<b>Revenue</b>	<b>15-16 Actual</b>	<b>16-17 Proposed</b>
4300 Usage	\$318,766	\$346,517
4335 Other (Line/Fire)	\$190,139	\$207,184
<b>TOTAL</b>	<b>\$508,905</b>	<b>\$553,701</b>

<b>Expense</b>	<b>15-16 Budget</b>	<b>15-16 Actual</b>	<b>16-17 Proposed</b>
5301 Fees/Pro Service	\$5,000	\$3,597	\$5,000
5310 Town Services	\$8,500	\$12,000	\$12,000
5350 Legal	\$1,000	\$0	\$1,000
5505 Contract	\$89,100	\$82,617	\$90,212
5506 O&M	\$145,000	\$327,447	\$140,000
5507 Pootatuck	\$60,400	\$56,949	\$57,000
5622 Electricity	\$45,000	\$42,957	\$40,000
5743 Capital Outlay	\$55,000	\$263,331	\$55,000
5863 Loan Interest	\$36,500	\$34,375	\$35,000
5880 Depreciation	\$111,964	\$113,556	\$115,000
<b>TOTAL</b>	<b>\$557,464</b>	<b>\$936,829</b>	<b>\$550,212</b>
		<b>(\$427,924)</b>	<b>\$3,489</b>



ACCOUNT #	ACCOUNT NAME	FY 13-14		FY 14-15		FY 15-16		FY 16-17	
		BUDGET	ACTUAL	BUDGET	ACTUAL	BUDGET	YTD	BUDGET	
<b>EXPENDITURES</b>									
<b>Central Sewer District</b>									
1-190-13-800-5720-0000	SOCIAL SECURITY CONTR			0.00	151.09	160.00	124.32	160	
1-190-13-800-5301-0000	FEES & PROF SERVICES	10,000	2,597.81	5,000.00	10,473.44	50,000.00	18,398.53	45,000	
1-190-13-800-5310-0000	PROF SVS - TOWN SVS	95,000	112,097.00	113,000.00	110,375.00	112,375.00	109,750.00	106,755	
1-190-13-800-5350-0000	PROF SVS - LEGAL	10,000	110.50	5,000.00	24,114.43	3,000.00	0.00	3,000	
1-190-13-800-5385-0000	PROF SVS - APPRAISAL	3,000	29,200.00	3,000.00	500.00	3,000.00	3,900.00	3,000	
1-190-13-800-5411-0000	UTILITY - WATER	2,000	2,095.12	2,000.00	2,853.65	3,000.00	3,099.05	3,500	
1-190-13-800-5505-0000	CONTRACT SVS - O&M	500,000	530,441.16	580,000.00	545,424.72	545,425.00	639,005.23	524,721	
1-190-13-800-5506-0000	CONTRACT SVS - REIMBURSABLES	100,000	137,344.94	125,000.00	193,229.35	175,000.00	140,268.90	13,300	
1-190-13-800-5621-0000	UTILITY - NATURAL GAS	23,000	22,429.12	25,000.00	18,506.80	20,000.00	11,759.98	12,000	
1-190-13-800-5622-0000	UTILITY - ELECTRICITY	85,000	87,919.28	85,000.00	98,433.97	88,000.00	105,529.20	99,750	
1-190-13-800-5749-0000	CAPITAL OUTLAY	650,000	454,077.92	171,787.00	0.00	150,000.00	1,385.05	100,000	
1-190-13-800-5800-0000	OTHER EXPENSES	1,000	1,521.74	1,000.00	16,921.97	3,000.00	5,993.90	3,000	
1-190-13-800-5802-0000	OTHER - HAWLEYVILLE	16,000	13,553.10	16,000.00	17,780.00	1,000.00	19,786.00	0	
1-190-13-800-5861-0000	BOND INTEREST	108,000	5,781.00	6,000.00	66,390.36	69,000.00	66,194.00	66,000	
1-190-13-800-5863-0000	LOAN INTEREST	0	72,262.76	73,000.00	54,142.60	55,000.00	35,656.68	35,000	
1-190-13-800-5880-0000	DEPRECIATION EXPENSE	0	0.00	0.00	537,145.42	540,000.00	534,998.25	503,500	
		1,603,000	1,471,431.45	1,210,787.00	1,696,442.80	1,817,960.00	1,695,849.09	1,518,686	
<b>Hawleyville Sewer District</b>									
1-190-13-800-5301-1090	FEES & PROF SERVICES							5,000	
1-190-13-800-5310-1090	PROF SVS - TOWN SVS							5,620	
1-190-13-800-5350-1090	PROF SVS - LEGAL							2,000	
1-190-13-800-5385-1090	PROF SVS - APPRAISAL							3,000	
1-190-13-800-5505-1090	CONTRACT SVS - O&M							27,616	
1-190-13-800-5506-1090	CONTRACT SVS - REIMBURSABLES							7,000	
	CONTRACT SVS - DANBURY O&M							30,000	
	CONTRACT SVS - BETHEL O&M							0	
1-190-13-800-5622-1090	UTILITY - ELECTRICITY							5,250	
1-190-13-800-5749-1090	CAPITAL OUTLAY	2,488,000	44,607.19	2,435,256.00	0.00	2,202,810.12	187,418.15	0	
1-190-13-800-5800-1090	OTHER EXPENSES							0	
1-190-13-800-5861-1090	BOND INTEREST							70,000	
1-190-13-800-5880-1090	DEPRECIATION EXPENSE							75,000	
	SEWER ENTERPRISE	4,091,000	1,516,038.64	3,646,043.00	1,696,442.80	4,020,770.12	1,883,267.24	230,486.00	

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Fred Hurley,  
*Director*



**TOWN OF NEWTOWN  
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Richard Zang  
Carl Zencey

**2017 Meeting Schedule**

The Newtown Water and Sewer Authority will hold meetings at 7:00pm in the meeting room at the Treatment Plant, Commerce Road, Newtown, CT on the second Thursday of the month.

- Thursday, January 12
- Thursday, February 9
- Thursday, March 9
- Thursday, April 20
- Thursday, May 11
- Thursday, June 8
- Thursday, July 13
- Thursday, August 10
- Thursday, September 14
- Thursday, October 12
- Thursday, November 9
- Thursday, December 14
- Thursday, January 11, 2018

Attachment F

Newtown Water and Sewer  
Monthly Flow Summary

November 2016	Sandy Hook PS	Taunton Lake PS	Baldwin PS	Hawleyville PS	Hanover PS
	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)
1	64,021	11,075	3,655	29,584	4,912
2	64,021	11,587	3,655	29,584	4,912
3	61,638	14,802	3,065	26,621	4,205
4	65,388	14,802	3,359	27,450	4,268
5	65,388	13,021	3,359	27,450	4,891
6	57,517	15,638	3,586	25,030	4,891
7	60,795	15,638	3,825	27,714	4,589
8	60,795	10,857	3,825	27,714	4,118
9	59,666	10,822	3,450	27,641	4,118
10	59,666	10,925	3,306	27,641	3,872
11	62,346	10,925	3,306	29,391	3,872
12	62,346	12,436	3,556	29,391	4,230
13	57,368	13,289	4,033	27,043	4,853
14	60,611	13,289	4,033	29,645	4,853
15	64,834	11,779	3,666	31,857	4,468
16	64,834	13,266	4,269	31,857	4,468
17	64,011	13,266	4,269	27,871	4,238
18	62,114	10,856	3,100	27,889	4,221
19	60,488	12,474	3,584	27,889	4,888
20	59,485	13,282	4,524	27,517	5,608
21	64,772	13,282	4,524	29,208	5,608
22	64,772	14,192	3,999	29,515	4,764
23	60,064	14,192	4,536	31,094	5,284
24	55,728	14,921	4,536	31,094	5,826
25	48,650	14,921	3,834	31,434	5,826
26	53,076	13,247	3,819	31,434	4,789
27	53,076	14,940	4,548	27,458	5,108
28	54,982	14,940	4,548	28,125	5,108
29	57,207	11,064	4,869	29,072	4,509
30	58,195	11,574	4,960	29,072	4,381
31	58,195	11,574	4,960	27,445	4,381
Min	48,650	10,822	3,065	25,030	3,872
Max	65,388	15,638	4,960	31,857	5,826
Ave	60,195	12,996	3,953	28,766	4,712
Total	1,866,047	402,874	122,556	891,731	146,063

Newtown Water and Sewer  
Monthly Flow Summary

November 2016	Pump Stations	Fairfield Hills	Combined Remote	WWTP Influent	Gravity Flow	Rain Fall (inch)
	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)	Annual Daily
1	113,248	123,813	237,060	361,664	113,248	4.18
2	113,759	123,813	237,572	358,358	113,759	4.18
3	110,331	116,860	227,191	351,127	110,331	4.18
4	115,267	116,860	232,127	364,029	115,267	4.18
5	114,109	114,358	228,467	323,683	114,109	4.18
6	106,661	110,407	217,068	323,683	106,661	4.18
7	112,561	113,949	226,511	359,601	112,561	4.18
8	107,309	113,949	221,259	352,465	107,309	4.18
9	105,697	113,727	219,424	335,191	105,697	4.19
10	105,410	113,556	218,966	357,619	105,410	4.19
11	109,840	113,556	223,395	372,203	109,840	4.19
12	111,959	106,845	218,804	361,973	111,959	4.19
13	106,585	111,399	217,984	364,052	106,585	4.19
14	112,431	115,764	228,196	341,502	112,431	4.19
15	116,605	138,137	254,741	346,055	116,605	4.76
16	118,694	138,137	256,831	406,689	118,694	5.12
17	113,653	130,224	243,878	386,657	113,653	5.12
18	108,181	126,535	234,716	373,780	108,181	5.12
19	109,323	116,153	225,476	343,593	109,323	5.12
20	110,416	137,786	248,202	352,914	110,416	5.65
21	117,393	137,786	255,179	443,708	117,393	5.65
22	117,242	119,816	237,058	408,044	117,242	5.65
23	115,171	119,445	234,616	404,808	115,171	5.65
24	112,106	119,445	231,551	400,881	112,106	5.68
25	104,666	114,318	218,984	341,249	104,666	5.69
26	106,365	112,613	218,978	340,903	106,365	5.69
27	105,130	110,603	215,733	360,450	105,130	5.69
28	107,702	115,616	223,318	358,370	107,702	5.69
29	106,720	146,921	253,641	349,021	106,720	6.05
30	108,181	146,921	255,102	387,206	108,181	6.53
31	106,555	132,512	239,067	0	106,555	
Min	104,666	106,845	215,733	0	104,666	0.00
Max	118,694	146,921	256,831	443,708	118,694	0.57
Ave	110,622	121,672	232,293	352,628	110,622	0.08
Total	3,429,272	3,771,825	7,201,096	10,931,477	3,429,272	2.35

Newtown Water and Sewer  
Monthly Flow Summary

November 2016	Well House #3	Well House #7	Booster Pumps
	Flow Total (Gal)	Flow Total (Gal)	Flow Total (Gal)
1	10,104	146,444	158,689
2	10,464	146,444	158,689
3	10,464	142,001	151,195
4	10,207	142,001	151,195
5	9,257	139,736	150,570
6	10,094	132,026	143,566
7	12,171	157,901	171,896
8	12,171	157,901	171,896
9	8,186	139,535	149,554
10	9,944	137,705	147,404
11	9,944	135,417	147,005
12	9,609	130,258	140,377
13	8,633	131,225	140,377
14	9,366	132,872	143,756
15	9,366	136,484	147,180
16	11,439	144,620	157,859
17	11,439	144,620	157,859
18	9,565	143,163	154,340
19	7,927	137,663	147,009
20	8,407	130,200	140,330
21	8,464	136,649	146,903
22	9,260	136,649	146,903
23	9,260	133,862	143,781
24	8,172	133,862	143,781
25	8,157	130,717	140,485
26	8,157	130,717	140,485
27	8,045	130,148	140,384
28	8,990	151,951	162,988
29	8,990	151,951	162,988
30	8,981	151,801	162,394
31	8,264	151,801	161,913
Min	7,927	130,148	140,330
Max	12,171	157,901	171,896
Ave	9,468	140,268	151,089
Total	293,498	4,348,323	4,683,751



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11/1/2016 to 11/30/2016

Date	InfQ Total MGD	InfBOD mg/L	InfBOD Lbs lbs/day	InfTSS mg/L	InfTSS Lbs lbs/day	InfTN Lbs lbs/day	InfAlk mg/L	EffBOD mg/L	EffBOD mg/L	EffTSS mg/L	EffTN mg/L	EffTN lbs lbs/day	EffAlk mg/L	BOD % Rem %	TSS % Rem %	TN % Rem %
11/01/16	0.365	253	770	274	834	171	184	1.6	0.8	7.5	23.8	74	99.4	99.7	86.6	
11/02/16	0.365															
11/03/16	0.345															
11/04/16	0.347															
11/05/16	0.347															
11/06/16	0.347															
11/07/16	0.357															
11/08/16	0.347	291	842	340	982	171	184	1.3	0.8	3.0	9.0	90	99.6	99.8	94.9	
11/09/16	0.359															
11/10/16	0.368															
11/11/16	0.357															
11/12/16	0.357															
11/13/16	0.357															
11/14/16	0.352															
11/15/16	0.413	262	903	245	844	176	184	1.5	0.9	5.8	16.9	74	99.4	99.6	88.6	
11/16/16	0.387															
11/17/16	0.362															
11/18/16	0.388															
11/19/16	0.388															
11/20/16	0.388															
11/21/16	0.410															
11/22/16	0.399	134	416	196	653	223	184	1.5	0.6	5.3	18.1	74	98.9	99.7	92.1	
11/23/16	0.359															
11/24/16	0.359															
11/25/16	0.359															
11/26/16	0.359															
11/27/16	0.359															
11/28/16	0.360	259	858	279	924	202	184	1.4	0.8	3.7	11.1	74	99.5	99.7	93.9	
11/29/16	0.397															
11/30/16	0.414															
Average	0.369	240	764	267	847.400	188.600	184	1.5	0.8	5.1	15.8	74	99.4	99.7	91.2	
Total	11.070	1,199	3,819	1,334	4,237.664	932.147	184	7.3	3.9	25.3	78.9	74	496.7	498.5	456.2	
Minimum	0.345	134	416	196	653.857	170.512	184	1.3	0.6	3.0	9.0	74	98.9	99.6	86.6	
Maximum	0.414	291	903	340	982.348	223.169	184	1.6	0.9	7.5	23.8	74	99.6	99.8	94.9	