

**TOWN OF JAMESTOWN
TOWN COUNCIL MEETING
for
TOWN, WATER AND SEWER MATTERS**

February 18, 2020

A regular meeting of the Jamestown Town Council sitting as the Board of Water and Sewer Commissioners was called to order at the Jamestown Town Hall, Council Chambers, 93 Narragansett Avenue at 6:32 PM by Commission President Michael G. White.

The following members were present:

Mary E. Meagher, Vice-President
Nancy A. Beye
William J. Piva, Jr.
Randall White

Also present were:

Jamie A. Hainsworth, Town Administrator
Erin F. Liese, Town Clerk
Christina D. Collins, Finance Director
Michael Gray PE, Public Works Director
Peter D. Ruggiero Esq., Town Solicitor
Denise Jennings, Water and Sewer Clerk

AWARDS, PRESENTATIONS AND ACKNOWLEDGMENTS

(None)

READING AND APPROVAL OF MINUTES

1) 01/21/20 (regular meeting)

Motion was made by Commissioner Meagher, seconded by Commissioner Randall White to accept the 01/21/20 regular meeting minutes. So unanimously voted.

OPEN FORUM

Commission President White noted that this open forum would be for water and sewer matters only.

1) Scheduled requests to address:

(No scheduled requests)

2) Non-scheduled request to address:

(None)

REPORT OF TOWN OFFICIALS

1) **Pumping Report:**

The Public Works Director reported the following:

- Pumping was down for the month January.
- JR-1 has been turned off for the season.
- Rainfall was below average for the month of January.
- No water was transferred during the month of January.
- North Reservoir is @ capacity, usable storage-60MG.
- South Pond is @ capacity, usable storage-6MG

2) **Town project reports:** *(See attached Project Update Report dated February 2020)*

Water Treatment Plant

The Public Works Director reported the following:

- The Water Department is responsible for monitoring water from the distribution system once every quarter for disinfection byproducts that include TTHMs and HAAs and that the Town is below the levels set by the EPA.
- This is the time of the year where staff performs general equipment maintenance and annual maintenance of the filter and filter membranes. The filters are currently 12 years old and are performing well. The filter life cycle is generally 15 years and many last up to 19 years. The Public Works Director briefly described the maintenance process.
- Have provided a copy of our annual report to the RIDOH for our cross-connection control program. Inspections are currently being conducted in conjunction with our system wide, sump pump inspection program. We can now also inspect a property prior to the sale of said property, to make sure that a check-valve is in place.

3) Finance Director's Report: Comparison of Budget to Actuals as of January 31, 2019

Following clarification on a few items, it was the consensus of the Commission to accept the Public Works Director's report and the Finance Director's report, as presented.

LETTERS AND COMMUNICATIONS

(None)

UNFINISHED BUSINESS

(None)

NEW BUSINESS

(None)

TOWN BUSINESS

(None)

ADJOURNMENT

There being no further business before the Commission, motion was made by Commissioner Meagher, seconded by Commissioner Beye to adjourn the Water and Sewer meeting at 6:38 PM. So unanimously voted.

Attest:


Denise Jennings
Water and Sewer Clerk

xc: Commission Members (5)
Town Administrator
Town Solicitor
Public Works Director
Town Clerk

Project Update February 2020

WELLS

JR-1, JR-3

- JR-1 has been taken off-line for the season.

TREATMENT PLANT

- To provide safe drinking water to our customers, the water is disinfected with chlorine as the last step in treatment before distribution. Disinfectants can react with naturally occurring materials in the water to form byproducts that can pose health risks. The water department is responsible for monitoring water from the distribution system once every quarter for disinfection byproducts that include Total Trihalomethanes (TTHMs) and Total Haloacetic Acids (HAAs).

The first quarter testing results at the Town Hall sampling location were 31.50 ppb for TTHMs and 16.4 ppb for HAAs. The EPA has set a maximum level of 80 ppb for TTHMs and 60 ppb for HAAs. The EPA determines maximum levels of contaminants in drinking water at which no adverse health effects are likely to occur. As the results show we are below the levels set by EPA.

- Staff pulled both membrane filters in January to perform general maintenance. Each treatment train is taken off-line and the membranes removed from the tanks for inspection and repair. Any fibers that are found to be leaking are cut and removed. The life cycle for the membranes are up to 15 years. Our membranes have been in use for 12 years.
- I have attached our first annual report to the RI Department of Health for our cross connection control program. The report provides information to RIDOH regarding public education, any incidents within the distribution system caused by a failure or lack of cross connection, a summary of our inspection program, and statistics on the number of devices installed in our system.

TRANSFER PUMPING/RESERVOIR

- Transfer pumping between South Reservoir and North Reservoir has been suspended for the season.

South Pond @ 6 MG

Usable Storage, 6.0 Million Gallons

North Pond @ 60 MG

Usable Storage 60 Million Gallons

DISTRIBUTION SYSTEM

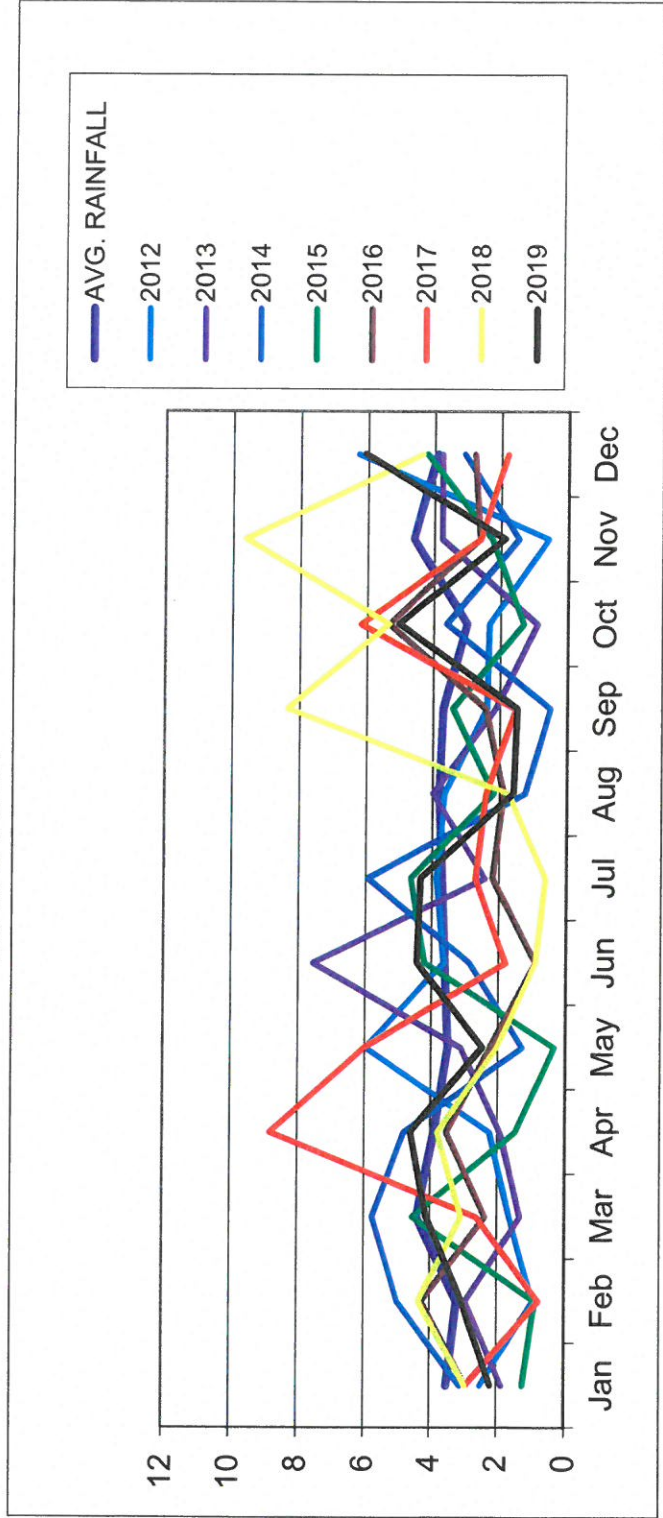
- There were no leaks in the distribution system in January.

WASTEWATER TREATMENT PLANT

- The monthly average daily flow at the treatment plant for January was 0.53 million gallons per day. The peak daily flow was 1.3 million gallons. The permitted flow for the monthly average is 0.73 million gallons per day.
- There were no SSO's for the month of January.

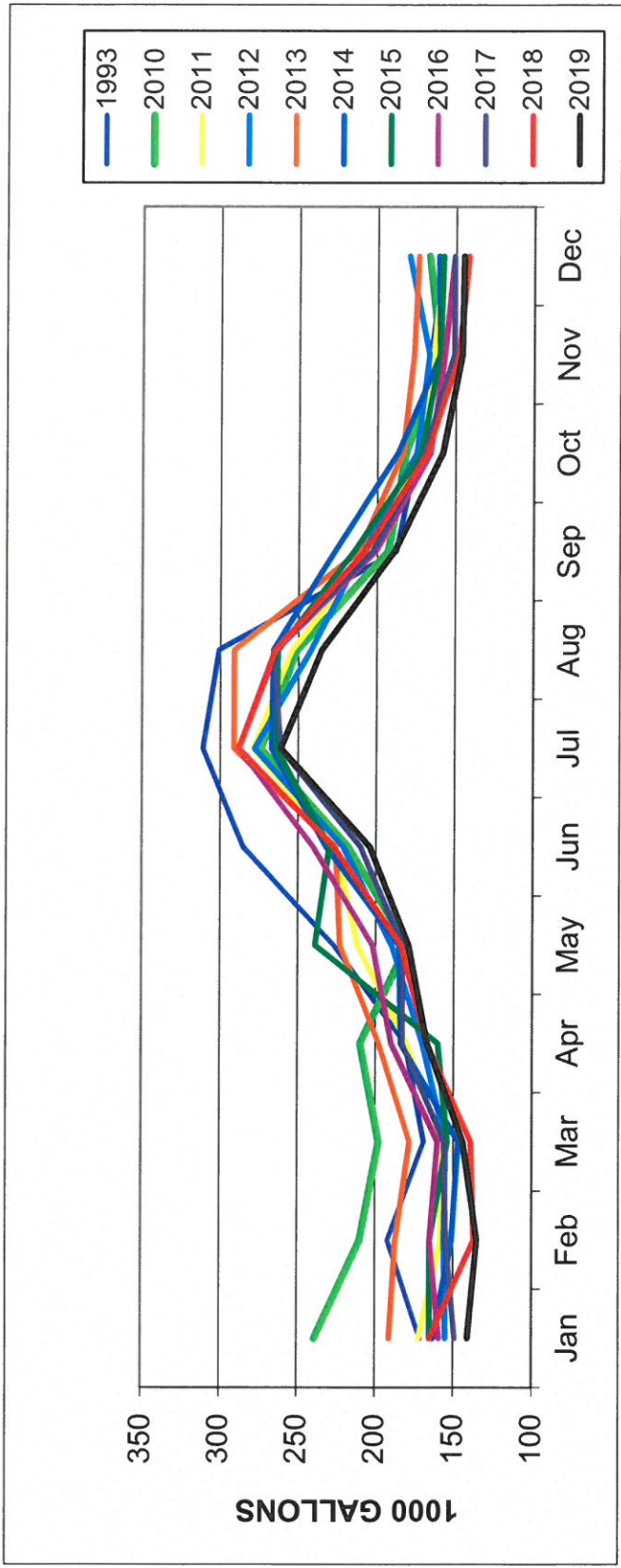
	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan	3.5	1.85	3.1	1.22	2.94	2.94	2.94	2.19	1.3
Feb	3.2	2.94	4.98	0.86	4.25	0.76	4.33	3.06	
Mar	4.4	1.32	5.74	4.53	2.36	2.62	3.07	4.11	
Apr	3.9	1.92	4.8	1.47	3.53	8.8	3.79	4.61	
May	3.5	3.11	1.27	0.32	2.24	6.03	2.03	2.46	
Jun	3.6	7.55	2.86	4.2	0.89	1.79	0.89	4.44	
Jul	3.7	2.42	5.93	4.63	2.19	2.7	0.61	4.33	
Aug	3.8	3.98	1.23	2.17	1.88	2.4	1.73	1.58	
Sep	3.7	2.13	0.5	3.41	2.42	1.54	8.35	1.49	
Oct	3	0.9	3.61	1.31	5.33	6.18	5.34	5.04	
Nov	4.6	3.76	1.47	2.27	2.63	2.61	9.61	1.89	
Dec	3.9	3.76	3.1	4.2	2.79	1.81	4.33	6.09	
Total	44.8	35.64	38.59	30.59	33.45	40.18	47.02	41.29	1.3

RAINFALL



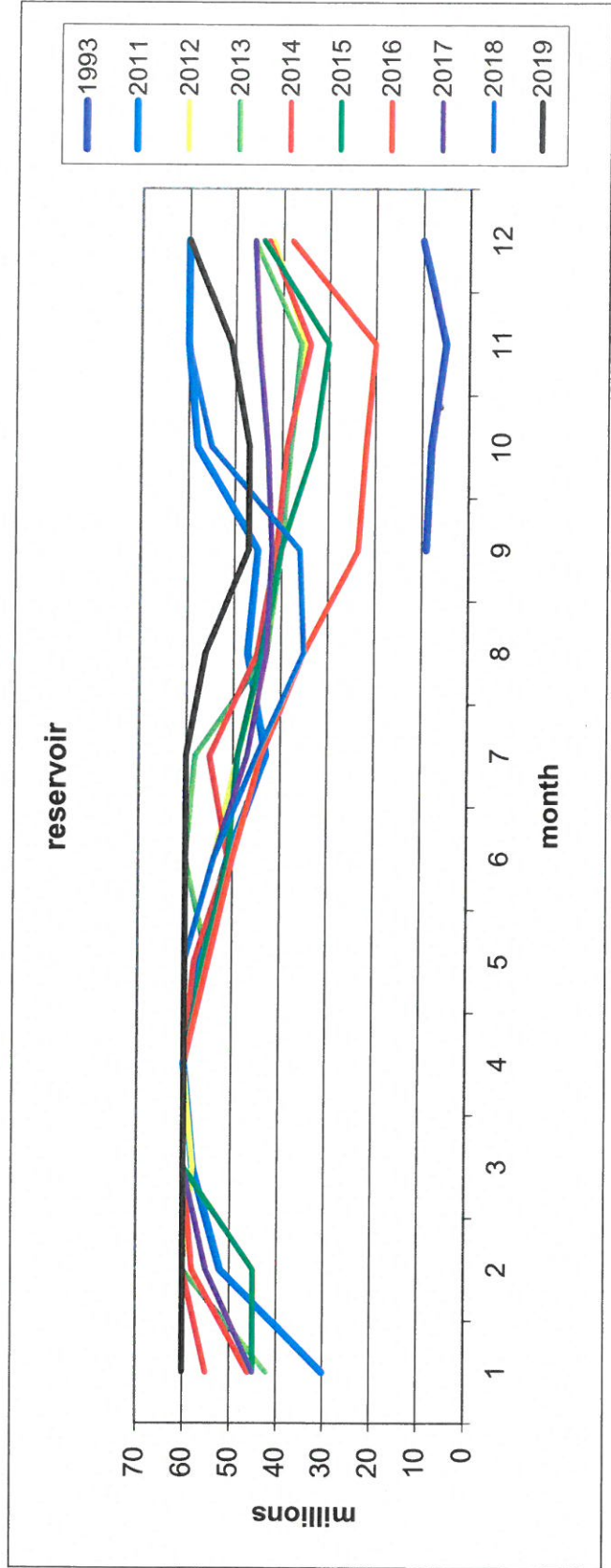
	1993	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan	171	172	173	239	172	155	191	163	165	159	149	165	141	141
Feb	192	154	173	210	158	156	187	151	165	165	155	137	135	135
Mar	169	155	165	198	157	155	178	147	154	160	156	139	144	144
Apr	181	174	196	210	180	170	198	184	160	190	183	167	167	167
May	227	202	195	180	212	190	223	185	239	202	183	184	179	179
Jun	285	246	215	218	226	221	226	232	230	240	210	227	204	204
Jul	311	296	277	274	279	278	291	267	264	288	261	288	261	261
Aug	301	256	290	251	254	242	291	266	263	264	266	265	235	235
Sep	188	210	245	193	205	210	212	227	215	201	203	208	189	189
Oct	175	187	259	182	175	175	184	187	172	166	170	168	158	158
Nov	166	175	226	160	164	167	177	160	160	157	151	148	146	146
Dec	158	192	230	167	158	180	174	161	158	151	151	142	145	145

PUMPING REPORT



RESERVOIR LEVEL

	1993	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Jan		30	60	42	55	45	46	45	60	60	60
Feb		52	60	60	60	45	58	55	60	60	60
Mar		58	58	60	60	60	60	60	60	60	60
Apr		60	60	60	60	60	60	60	60	60	60
May		57	60	55	58	56	55	60	60	60	60
Jun		51	54	60	51	51	50	54	54	60	60
Jul		43	49	58	55	49	44	47	45	60	60
Aug	9	47	43	43	45	44	35	43	35	56	56
Sep	8	45	40	40	41	40	23.5	42	36	47	47
Oct	5	58	38	38	39	33	22	43	55	47	47
Nov	10	60	35	36	34	30	20	45	60	51	51
Dec		60	42	46	43	44	38	46	60	60	60





TOWN OF JAMESTOWN WWTF
MONTHLY REPORT
January 2020

Douglas Ouellette, Superintendent

Parameters

	<u>Monthly Avg.</u>	<u>Permit Limit</u>	<u>Notes</u>
Flow	0.5295 MGD	.73 MGD	
Daily Max	1.3020 MGD		
BOD Removal	100%	85%	% Removed
TSS Removal	94.0%	85%	% Removed
Fecal Coliform	1.9	No limit, report only	
Enterococci	2.6	(<35 cfu/100ml Monthly) (<276 cfu/100ml Daily)	

Environmental Compliance (Violations)

There are no violations to report for January 2020.

Complaints

There was 1 complaint(s) received for January 2020.

Alarms

There were no alarms to report for the month of January

Septage

The facility received no septage for the month.

Sludge Production

The facility processed 25,500 gallons of sludge through Wastewater Services Incorporated.

Maintenance Management

The Crew completed 64 work orders for January.

Chemical Use

The facility used 488 gallons of Sodium hypochlorite and 450 pounds of lime for process control.

Collection System

31 pump station inspections were completed. 12 Gen Set inspections were performed. All stations are operating as designed.

Energy Use

Energy use at the plant for the month was: 219 KWH

Precipitation

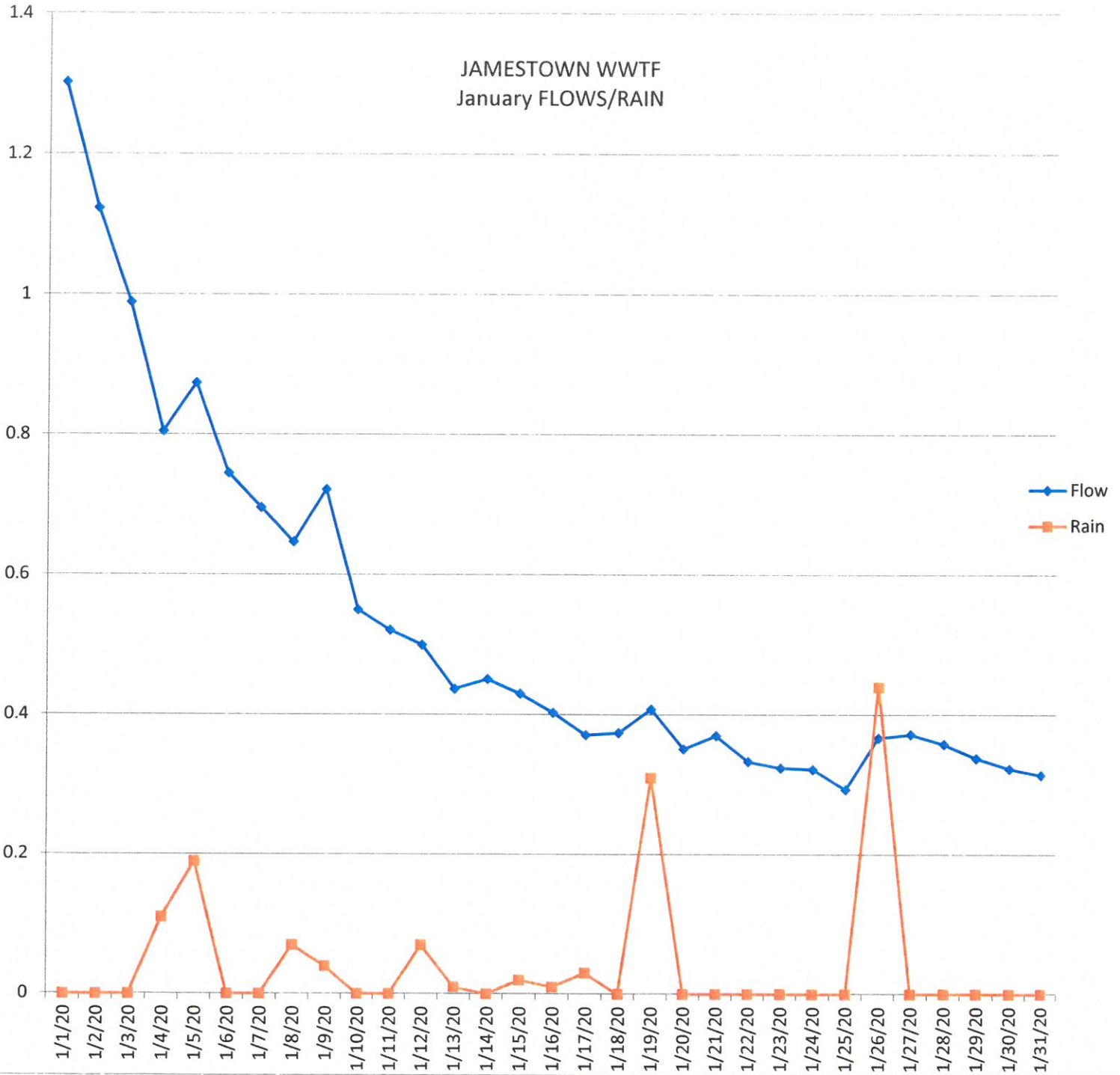
Precipitation measured in at 1.30"

Golf Course

Sump Pump Inspections

In Sector #1 2 Inspections were performed in December, only 2 inspections are currently scheduled with another 30 residents yet to schedule their inspections.

JAMESTOWN WWTF
January FLOWS/RAIN





Town of Jamestown
Public Works Department

93 Narragansett Ave ♦ Jamestown, RI 02835

Phone: (401) 423-7225
Fax: (401) 423-7226

January 15, 2020

Hui (Barbara) Chen
Environmental Engineer
Center for Drinking Water Quality
Rhode Island Department of Health
3 Capitol Hill, Room 209, Providence, RI 02908

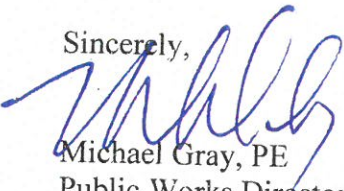
RE: 2019 Cross-Connection Control Program Annual Report
PWSID No. 1858419

Dear Ms. Chen:

Attached is the 2019 Cross-Connection Control Program Annual Report for Jamestown Water.

If you have any questions or need additional information, please call me at 423-7225.

Sincerely,



Michael Gray, PE
Public Works Director



Attachment A: Summary of Cross Connections and Service Connections

PWS ID number: RI1858419

Date: 1/14/2020

Complete the following table and submit with the 2019 Cross-connection Control Program Annual Report.

A.	Number of actual cross-connections and potential cross-connections within PWS's waterworks (within treatment plants, pump stations, well houses, etc.)		
B.	Number of service connections	1. Residential	1411
		2. Commercial	96
		3. Industrial	
		4. Other(s)	31
C.	Has the PWS had an initial cross-connection control (CCC) survey of the service connections within the PWS performed by a certified cross-connection surveyor(s)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D.	The initial survey occurred from 20 <u>19</u> to 20 _____ Name of the surveyor: <u>Mark Robertson</u> Certification number: <u>1862</u>		
E.	Total number of service connections that have been surveyed within the initial survey	128	
F.	Total number of service connections that remain to be surveyed within the initial survey	0	
G.	If answer to item C is "No", please explain why	Staff have completed CC survey of all commercial accounts as required by the CCC plan. We have divided the water district into 7 sections to complete inspections for backflow devices at residential homes. The CCC plan requires a device during plumbing permit or change of owner. This inspection program will provide an initial baseline of data of the connections within the system.	
H.	Has the PWS performed an additional CCC survey after the initial survey?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
I.	If answer to item H is "Yes", please provide the frequency of the additional CCC surveys <input type="checkbox"/> One year <input checked="" type="checkbox"/> Five years <input type="checkbox"/> Other _____ Additional survey is from 20 <u>19</u> to 20 _____ Name of the surveyor: <u>Mark Robertson</u> Certification number: <u>1862</u>		
J.	If answer to item H is "No", please explain the actions that have been taken to ensure the protection of the PWS from any actual/new/potential cross-connections	In 2019 all 55 commercial use properties, which represent 96 metered accounts; and 32 residential properties were surveyed.	
K.	Number of uncontrolled cross-connections identified this calendar year	101	
L.	Number of uncontrolled cross-connections identified this calendar year that remain uncontrolled within this calendar year. If any, please include explanation in the notes section below	101	
M.	Number of active private wells	1. Physically disconnected from the PWS	2
		2. Connected with appropriate backflow preventor	
		3. Other(s), please explain in notes section below	
N.	Notes: We are working with all customers who have been identified in our inspection program for compliance with our regulations. Commercial customers are required to hire a plumber to install the required devices based upon the level of risk. Of the 73 commercial customers in non-compliance, 9 were identified as high risk due to the use. The remaining accounts were identified as low level risk uses as a small commercial office with a bathroom. The 28 residential inspections were found with no device but will be required to install one upon a plumbing permit or change of owner as required by the CCC plan.		



Attachment B: Summary of Backflow Preventers Test Results

PWS ID number: RI1858419

Date: 1/14/2020

Complete the following table for backflow preventers test results. Shaded boxes do not need to be completed.

Numbers	Types	Reduced Pressure Backflow Preventer	Double Check Valve	Dual check valves	Vacuum breakers		Others, Please indicate type(s)
					Testable	Non-testable	
A.	Number of connections with newly-installed devices that did not previously have devices		20				
B.	Total number of devices in your water system at the end of the calendar year	13	223				
C.	Number of devices tested in calendar year	9					
D.	Number of devices tested that passed	9					
E.	Number of devices tested that failed	0					
F.	Number of failed devices that were replaced or repaired and then passed						
G.	Number of devices replaced per, at minimum, the manufacturer's recommendations						
H.	Notes: The district has a small number of devices that require inspection. The assistant water superintendent, Mark Robertson, has completed the certification for device inspector/tester with the NEWWA. The water department will be offering testing services for all required devices so that we can achieve compliance for all accounts.						

Certified backflow prevention device inspector/tester information:

Name: Mark Robertson

Certification number: 11931