

## Project Update May 2019

### WELLS

JR-1, JR-3

- JR-1 has been tested by RIDOH for use this season. The well remains off until needed.

### TREATMENT PLANT

- The RIDOH staff completed a sanitary survey on April 23, 2019 as required by the EPA. The survey reviewed all components of our water system from raw water sources, pumps, treatment, storage, distribution and the management of our water systems. There were three minor deficiencies identified in their survey:
  - Repairs are necessary to the screen on well JR-1 and JR-3
  - An inspection of the water storage tank needs to be completed
  - The completion of the five-year update to the infrastructure replacement plan
  - RIDOH has also recommended that auxiliary power be installed at the South Pond Pre-Treatment facility

Before the sanitary survey we had already contacted companies to inspect both tanks. Pare Corporation has been working on the infrastructure replacement plan which a draft has been completed for my review.

- The RIDOH staff during the survey reviewed the construction of our bike path on the north reservoir property. The staff provided comment on the project and required the following be implemented:
  - A building be constructed over well JR-1 to protect it from the public
  - Signage be placed at entry points to the path to protect the reservoir property prohibiting dumping, pets in the water, fishing, animal waste
  - Receptacles for animal waste
  - Fencing to protect the dam and reservoir from pedestrians and pets

### TRANSFER PUMPING/RESERVOIR

- The piping for our transfer pump remains off until needed

### DISTRIBUTION SYSTEM

South Pond @ 6 MG

Usable Storage, 6 Million Gallons

North Pond @ 60 MG

Usable Storage 60 Million Gallons

- There were no leaks reported for April.
- Hydrant Flushing was completed in April.
- Fort Getty distribution was flushed and water samples were collected for bacteria analysis to prepare for the season.
- Two New water services were installed on Fort Getty Road

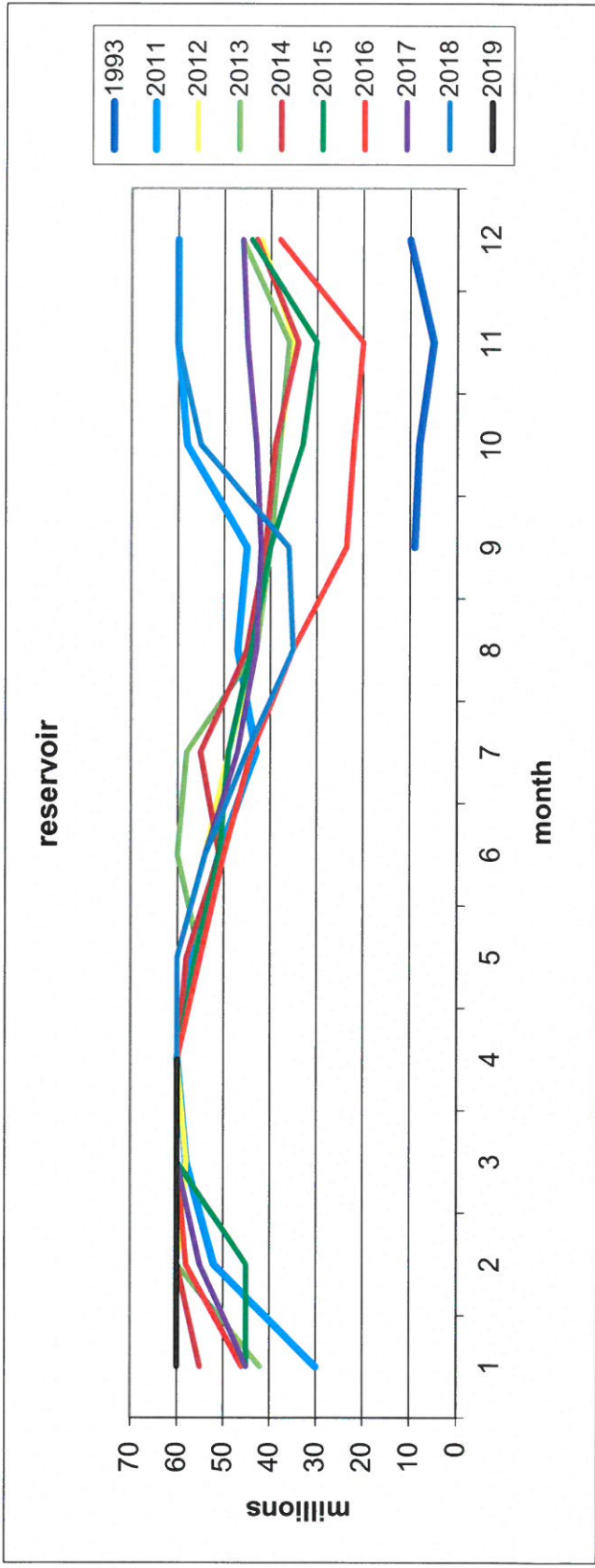
## WASTEWATER TREATMENT PLANT

- The monthly average daily flow at the treatment plant for April was 0.53 million gallons per day. The peak daily flow was 0.70 million gallons. The permitted monthly average is 0.73 million gallons per day as a condition of our discharge permit. There were no sanitary sewer overflows for the month of April.
- We are preparing notices to inspect homes and businesses for sump pump connections to the sanitary sewer system. Staff has divided the district into 7 separate areas to coordinate inspections of buildings and sewer mains for illicit connections. This inspection program is a requirement of the RIDEM to reduce Inflow/Infiltration into the sewer system which causes excessive flows at the treatment facility and sanitary sewer overflows to the Bay.
- The highway department has replaced a sewer manhole on Conanicus Avenue. The existing manhole had a cover that dislodged damaging a vehicle.



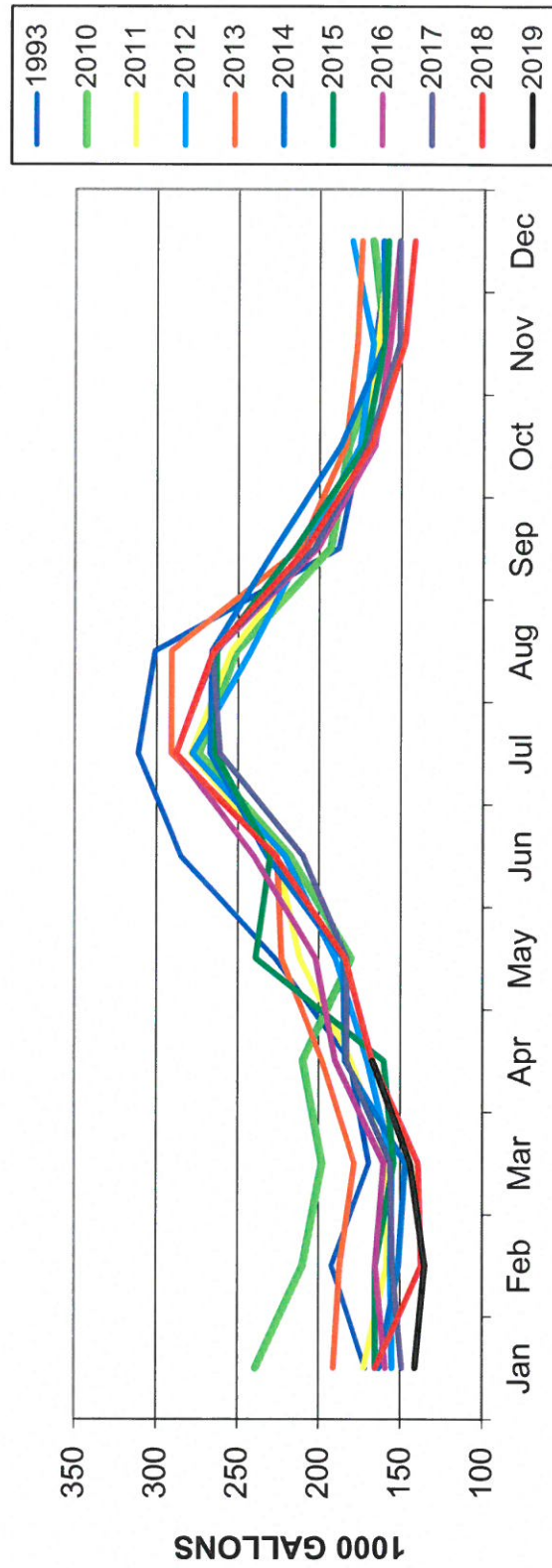
# RESERVOIR LEVEL

	1993	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Jan		60	30	60	42	55	45	46	45	60	60
Feb		60	52	60	60	60	45	58	55	60	60
Mar		60	58	58	60	60	60	60	60	60	60
Apr		60	60	60	60	60	60	60	60	60	60
May		60	57	60	55	58	56	55	60	60	60
Jun		51	51	54	60	51	51	50	54	54	60
Jul		43	43	49	58	55	49	44	47	45	60
Aug		40	47	43	43	45	44	35	43	35	60
Sep	9	35	45	40	40	41	40	23.5	42	36	60
Oct	8	30	58	38	38	39	33	22	43	55	60
Nov	5	28	60	35	36	34	30	20	45	60	60
Dec	10	29	60	42	46	43	44	38	46	60	60



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

### PUMPING REPORT







TOWN OF JAMESTOWN WWTF  
MONTHLY REPORT  
APRIL 2019

Douglas Ouellette, Superintendent

## **Parameters**

	<u>Monthly Avr.</u>	<u>Permit Limit</u>	<u>Notes</u>
Flow	0.5280 MGD	.73 MGD	
Daily Max	.703 MGD		
BOD Removal	99.59%	85%	% Removed
TSS Removal	97.05%	85%	% Removed
Fecal Coliform	1.3	No limit, report only	
Enterococci	1.0	(<35 cfu/100ml Monthly) (<276 cfu/100ml Daily)	

## **Environmental Compliance (Violations)**

There were 0 violations to report for April 2019

## **Complaints**

There were 2 complaints received for April 2019, Both complaints were related to a noisy manhole at 125 Conanicus Ave.

## **Alarms**

There were 0 alarms for April 2019

## **Septage**

The facility received 0 gallons for April 2019

## **Sludge Production**

The facility processed 54,000 gallons of sludge through Wastewater Services Incorporated.



## **Maintenance Management**

Annual maintenance was performed on all station Generators. 63 work orders completed.

## **Chemical Use**

The facility used 418 gallons of Sodium hypochlorite and 0 pounds of lime for process control.

## **Collection System**

30 pump station inspections were completed. Four Gen Set inspections were performed. All stations are operating as designed.

## **Energy Use**

Energy use for April 2019 was: 196 Kwh

## **Precipitation**

Precipitation for April was 4.61”

## **Graphs**

# JAMESTOWN WWTF APRIL FLOWS/RAIN

