

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

November 15, 2021

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 6:31 PM by Commission President Nancy A. Beye.

The following members were present:

Mary E. Meagher, Commission Vice-President  
Erik G. Brine  
Michael G. White  
Randall White

Also, present were:

Jamie A. Hainsworth, Town Administrator  
Roberta J. Fagan, 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) September 20, 2021 (regular meeting)

Motion was made by Commissioner Meagher, seconded by Commissioner Michael White to accept the September 20, 2021 regular meeting minutes. Vote: President Beye, Aye; Commission Vice-President Meagher, Aye; Commissioner Michael White, Aye; Commissioner Randall White, Aye

2) October 18, 2021 (regular meeting)

Motion was made by Commissioner Meagher, seconded by Commissioner Michael White to accept the October 18, 2021 regular meeting minutes. Vote: President Beye, Aye; Commission Vice-President Meagher, Aye; Commissioner Michael White, Aye; Commissioner Randall White, Aye

**OPEN FORUM**

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

1) Scheduled requests to address:

(None)

2) Non-scheduled request to address:

(None)

**REPORT OF TOWN OFFICIALS**

1) **Pumping Report:**

The Public Works Director reported the following:

- JR-1 is currently in service.
- Pumping was down for the month of October, which will cause a drop in revenue.
- Rainfall was up for the month of October and compared to September.
- North Reservoir is @ 60MG, usable storage-60MG.
- South Pond is @ 6MG, usable storage- 6MG

2) **Town project reports:** *(See attached Project Update Report dated November 2021)*

Following a brief report by the Public Works Director, it was the consensus of the Commission, to accept the Public Works Director's report, as submitted.

**LETTERS AND COMMUNICATIONS**

(None)

**UNFINISHED BUSINESS**

(None)

**NEW BUSINESS**

(None)

**ADJOURNMENT**

Motion was made by Commissioner Meagher, seconded by Commissioner Michael White to adjourn the meeting of the Jamestown Town Council sitting as the Board of Water and Sewer Commissioners at 6:39 PM. Vote: President Beye, Aye; Commission Vice-President Meagher, Aye; Commissioner Brine, Aye; Commissioner Michael White, Aye; Commissioner Randall White, Aye

Attest:

Denise Jennings  
Water and Sewer Clerk

## **Project Update November 2021**

### **WELLS**

JR-1, JR-3

- JR-1 is currently in service. The well pumps water at a rate of 50 gpm directly into the transmission main feeding the water plant from the reservoir.

### **TREATMENT PLANT**

- Our analytical testing program is complete for the Corrosion Control Evaluation for the use of North Kingstown Water in the event of an emergency. Weston and Sampson has provided a draft summary report for my review. The results of the testing indicate that the North Kingstown water is less corrosive than Jamestown and that the use of the water will have no impact on our distribution system and water quality delivered to our customers. The final report will be submitted to RIDOH for their review and approval.
- We are approaching the useful life cycle for our membrane filters at the treatment plant. We are working with engineers at SUEZ Water Technologies and Solutions on their replacement. SUEZ acquired GE Water and Process Technologies who provided the membrane filters at the time of our plant construction in 2008.

### **TRANSFER PUMPING/RESERVOIR**

Jamestown Brook watershed encompasses the North Pond Reservoir and South Pond Reservoirs in Jamestown. Staff from RIDEM Water Resources completed the Jamestown Brook Watershed Plan in 2021 as a tool to use in efforts for protection and restoration of water quality and aquatic habitat in the watershed. The plan identified Phragmites emerging as an aquatic invasive species at South Pond, impacting habitat and water flow at the reservoir. Because of this plan we are eligible for funding through the recently advertised RIDEM 2021 Nonpoint Source Implementation Grants for Protecting and Restoring water quality from nonpoint sources of pollution, and Improving or Restoring aquatic habitats. We are working on our grant application and will have it for Council approval in December. I met with staff at CRMC regarding a program to deal with the phragmite issue at South Pond. The staff biologist stated that he would only consider excavation and offsite disposal and then a long term maintenance program. No herbicides will be allowed.

### **DISTRIBUTION SYSTEM**

South Pond @ 6 MG

Usable Storage, 6 Million Gallons

North Pond @ 60 MG

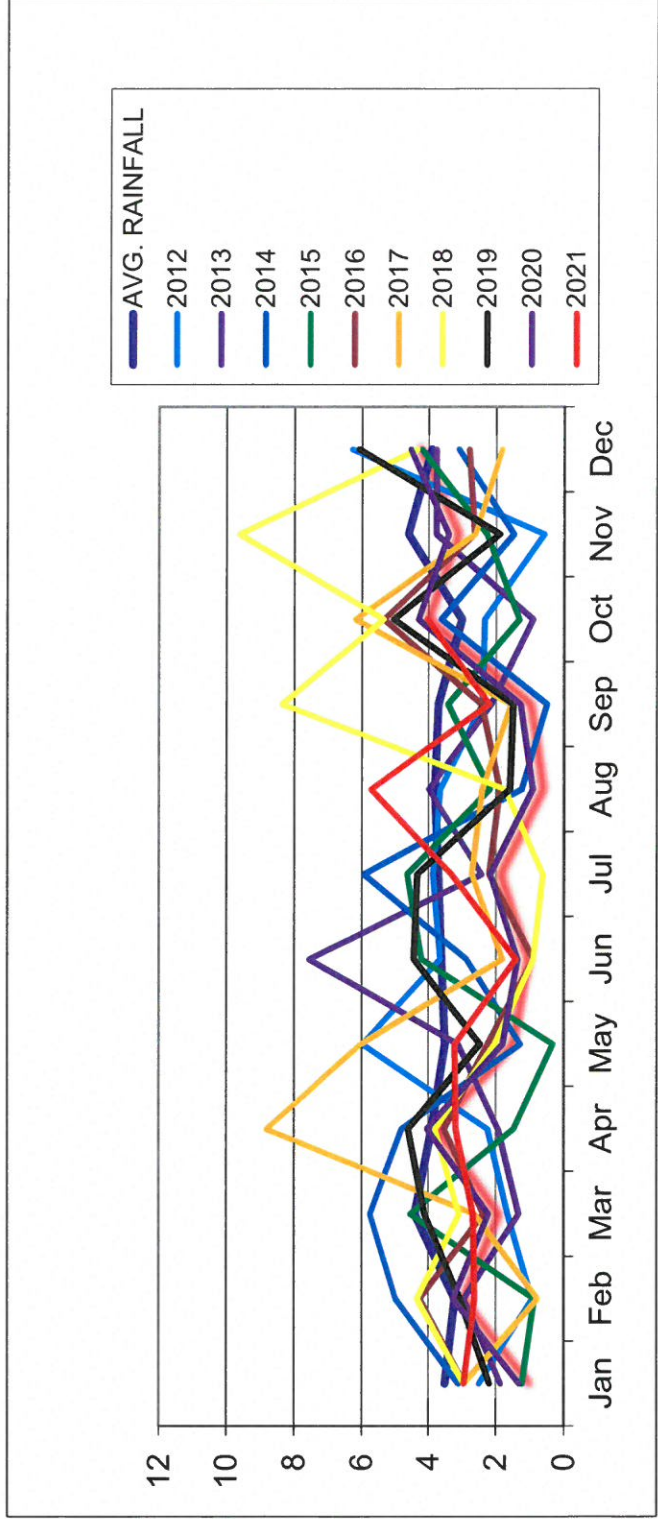
Usable Storage 60 Million Gallons

### **WASTEWATER TREATMENT PLANT**

- The monthly average daily flow at the treatment plant for August was 0.26 million gallons per day. The monthly average allowed by our discharge permit is 0.73 million gallons per day. The peak daily flow was 0.35 million gallons.
- The Northeaster experienced on October 27<sup>th</sup> caused a power failure at the West Ferry Sewer pump station due to tree damage on Narragansett Avenue.
- I am working on bid documents to replace (3) sluice gates at the Mackerel Cove pump station. One sluice gate has failed.

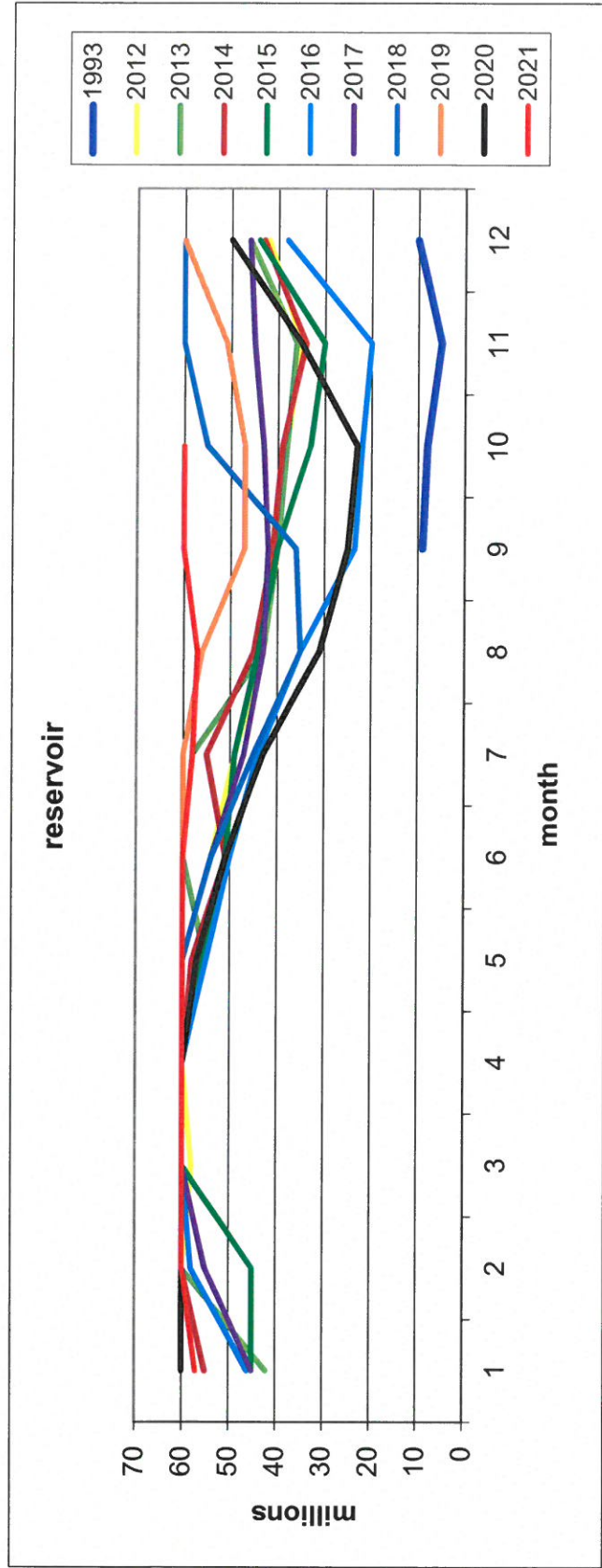
|       | 2012 | 2013  | 2014  | 2015  | 2016  | 2017  | 2018  | 2019  | 2020 | 2021      |
|-------|------|-------|-------|-------|-------|-------|-------|-------|------|-----------|
| Jan   | 3.5  | 1.85  | 3.1   | 1.22  | 2.94  | 2.94  | 2.94  | 2.19  | 1.3  | 2.94      |
| Feb   | 3.2  | 2.94  | 4.98  | 0.86  | 4.25  | 0.76  | 4.33  | 3.06  | 3.26 | 2.62      |
| Mar   | 4.4  | 1.32  | 5.74  | 4.53  | 2.36  | 2.62  | 3.07  | 4.11  | 2.21 | 2.66      |
| Apr   | 3.9  | 1.92  | 4.8   | 1.47  | 3.53  | 8.8   | 3.79  | 4.61  | 4.03 | 3.18      |
| May   | 3.5  | 3.11  | 1.27  | 0.32  | 2.24  | 6.03  | 2.03  | 2.46  | 1.79 | 3.2       |
| Jun   | 3.6  | 7.55  | 2.86  | 4.2   | 0.89  | 1.79  | 0.89  | 4.44  | 1.36 | 1.4       |
| Jul   | 3.7  | 2.42  | 5.93  | 4.63  | 2.19  | 2.7   | 0.61  | 4.33  | 2.16 | 3.3       |
| Aug   | 3.8  | 3.98  | 1.23  | 2.17  | 1.88  | 2.4   | 1.73  | 1.58  | 0.91 | 5.71      |
| Sep   | 3.7  | 2.13  | 0.5   | 3.41  | 2.42  | 1.54  | 8.35  | 1.49  | 1.27 | 2.19      |
| Oct   | 3    | 0.9   | 3.61  | 1.31  | 5.33  | 6.18  | 5.34  | 5.04  | 4.29 | 4.03      |
| Nov   | 4.6  | 3.76  | 1.47  | 2.27  | 2.63  | 2.61  | 9.61  | 1.89  | 3.39 | 36.30 avg |
| Dec   | 3.9  | 3.76  | 3.1   | 4.2   | 2.79  | 1.81  | 4.33  | 6.09  | 4.53 |           |
| Total | 44.8 | 35.64 | 38.59 | 30.59 | 33.45 | 40.18 | 47.02 | 41.29 | 30.5 | 31.23     |

## RAINFALL



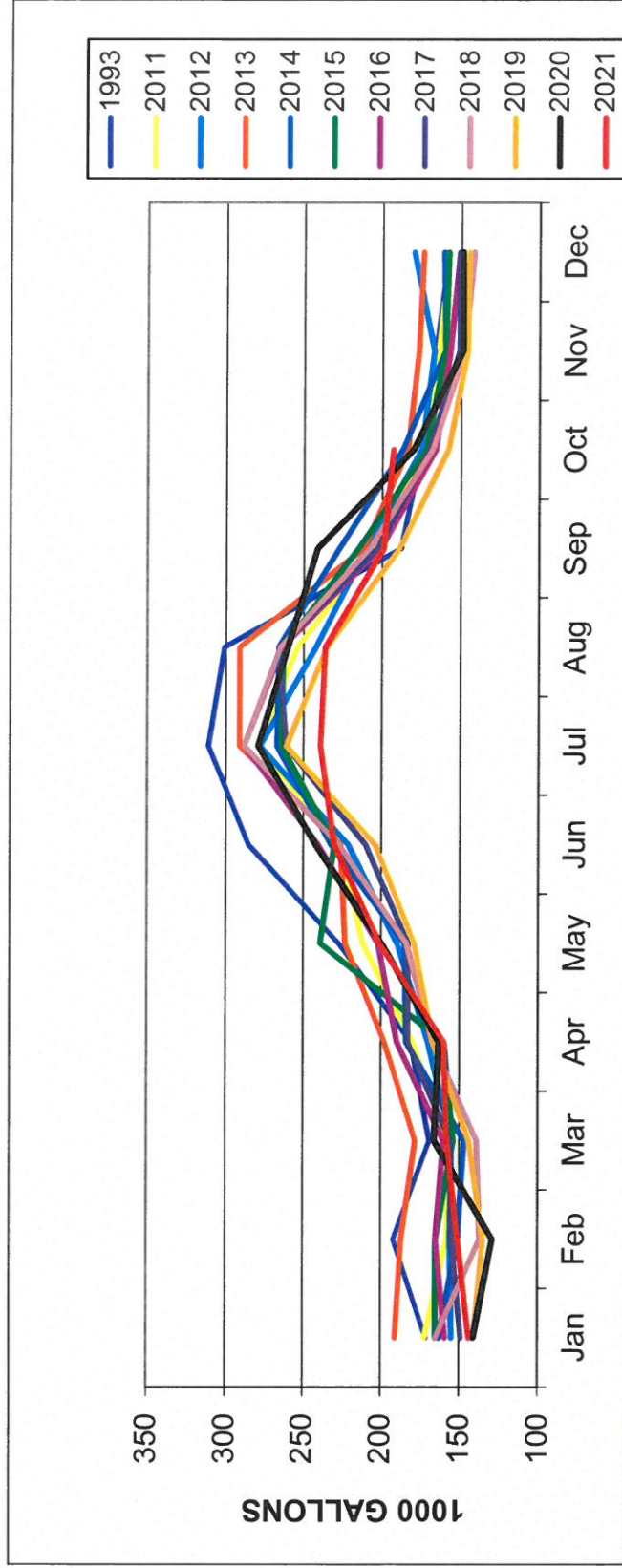
# RESERVOIR LEVEL

|     | 1993 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| Jan |      | 30   | 60   | 42   | 55   | 45   | 46   | 45   | 60   | 60   | 60   | 57   |
| Feb |      | 52   | 60   | 60   | 60   | 45   | 58   | 55   | 60   | 60   | 60   | 60   |
| Mar |      | 58   | 58   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| Apr |      | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   | 60   |
| May |      | 57   | 60   | 55   | 58   | 56   | 55   | 60   | 60   | 60   | 57   | 60   |
| Jun |      | 51   | 54   | 60   | 51   | 51   | 50   | 54   | 54   | 60   | 51   | 60   |
| Jul |      | 43   | 49   | 58   | 55   | 49   | 44   | 47   | 45   | 60   | 43   | 58   |
| Aug | 9    | 47   | 43   | 43   | 45   | 44   | 35   | 43   | 35   | 56   | 31   | 57   |
| Sep | 8    | 45   | 40   | 40   | 41   | 40   | 23.5 | 42   | 36   | 47   | 25   | 60   |
| Oct | 5    | 58   | 38   | 38   | 39   | 33   | 22   | 43   | 55   | 47   | 23   | 60   |
| Nov | 10   | 60   | 35   | 36   | 34   | 30   | 20   | 45   | 60   | 51   | 35   | 60   |
| Dec |      | 60   | 42   | 46   | 43   | 44   | 38   | 46   | 60   | 60   | 50   |      |

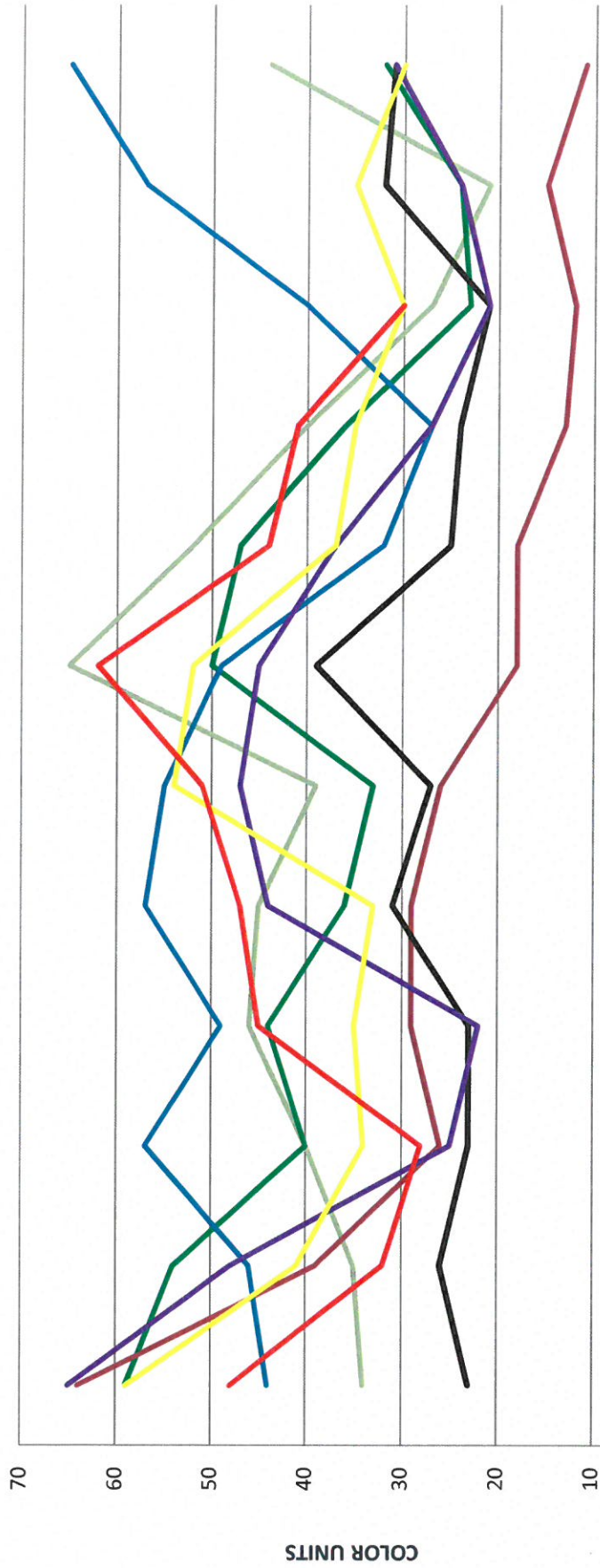


|     | 1993 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Jan | 171  | 172  | 173  | 239  | 172  | 155  | 191  | 163  | 165  | 159  | 149  | 165  | 141  | 141  | 144  |
| Feb | 192  | 154  | 173  | 210  | 158  | 156  | 187  | 151  | 165  | 165  | 155  | 137  | 135  | 129  | 151  |
| Mar | 169  | 155  | 165  | 198  | 157  | 155  | 178  | 147  | 154  | 160  | 156  | 139  | 144  | 166  | 158  |
| Apr | 181  | 174  | 196  | 210  | 180  | 170  | 198  | 184  | 160  | 190  | 183  | 167  | 167  | 163  | 160  |
| May | 227  | 202  | 195  | 180  | 212  | 190  | 223  | 185  | 239  | 202  | 183  | 184  | 179  | 200  | 201  |
| Jun | 285  | 246  | 215  | 218  | 226  | 221  | 226  | 232  | 230  | 240  | 210  | 227  | 204  | 242  | 230  |
| Jul | 311  | 296  | 277  | 274  | 279  | 278  | 291  | 267  | 264  | 288  | 261  | 288  | 261  | 279  | 239  |
| Aug | 301  | 256  | 290  | 251  | 254  | 242  | 291  | 266  | 263  | 264  | 266  | 265  | 235  | 260  | 236  |
| Sep | 188  | 210  | 245  | 193  | 205  | 210  | 212  | 227  | 215  | 201  | 203  | 208  | 189  | 241  | 199  |
| Oct | 175  | 187  | 259  | 182  | 175  | 175  | 184  | 187  | 172  | 166  | 170  | 168  | 158  | 180  | 193  |
| Nov | 166  | 175  | 226  | 160  | 164  | 167  | 177  | 160  | 160  | 157  | 151  | 148  | 146  | 149  |      |
| Dec | 158  | 192  | 230  | 167  | 158  | 180  | 174  | 161  | 158  | 151  | 151  | 142  | 145  | 149  | 149  |

### PUMPING REPORT



# Transfer Pumping NORTH POND WATER QUALITY



|      | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
|------|----|----|----|----|----|----|----|----|----|----|----|----|
| 2014 | 34 | 35 | 40 | 46 | 45 | 39 | 65 | 52 | 40 | 27 | 21 | 44 |
| 2015 | 59 | 54 | 40 | 44 | 36 | 33 | 50 | 47 | 36 | 23 | 24 | 32 |
| 2016 | 64 | 39 | 26 | 29 | 29 | 26 | 18 | 18 | 13 | 12 | 15 | 11 |
| 2017 | 23 | 26 | 23 | 23 | 31 | 27 | 39 | 25 | 24 | 21 | 32 | 31 |
| 2018 | 44 | 46 | 57 | 49 | 57 | 55 | 49 | 32 | 27 | 40 | 57 | 65 |
| 2019 | 65 | 48 | 25 | 22 | 44 | 47 | 45 | 37 | 27 | 21 | 24 | 31 |
| 2020 | 59 | 41 | 34 | 35 | 33 | 54 | 52 | 37 | 35 | 30 | 35 | 30 |
| 2021 | 48 | 32 | 28 | 45 | 47 | 51 | 62 | 44 | 41 | 30 |    |    |



TOWN OF JAMESTOWN WWTF  
MONTHLY REPORT  
OCTOBER 2021

Douglas Ouellette, Superintendent



## **Parameters**

|                | <u>Monthly Avr.</u> | <u>Permit Limit</u>                            | <u>Notes</u> |
|----------------|---------------------|--|--------------|
| Flow           | .2572 MGD           | .73 MGD  |              |
| Daily Max      | .3490 MGD           |  |              |
| BOD Removal    | 100%                | 85%  | % Removed    |
| TSS Removal    | 98.1%               | 85%  | % Removed    |
| Fecal Coliform | 1.79                | No limit, report only                          |              |
| Enterococci    | 1.15                | (<35 cfu/100ml Monthly) (<276 cfu/100ml Daily) |              |

## **Environmental Compliance (Violations)**

There were no violations in October

## **Complaints**

There were no complaints reported for the month of October.

## **Alarms**

There was one alarm for a power failure at PS#3 caused by October 27<sup>th</sup> northeaster.

## **Septage**

The facility received 2500 gallons septage for the month of October.

## **Sludge Production**

The facility processed 51,000 gallons of sludge through Wastewater Services Incorporated.

## **Maintenance Management**

Facility staff

## **Chemical Use**

The facility used 469 gallons of Sodium hypochlorite and 0 pounds of lime for process control.

## **Collection System**

31 pump station inspections were completed. All stations are operating as designed.

## **Energy Use**

Energy use for October was: 145 KWH

## **Precipitation**

Precipitation for October was 4.03" of rain

## **Golf Course**

No water was requested in the month of October.

## **Work Orders**

73 work orders were completed.

# Graphs

