

**SEWER BOARD AGENDA**

**VILLAGE OF PULASKI**

**JULY 12, 2023 – SNOW MEMORIAL BUILDING – 4:00 PM**

**Chairperson – Robert Adamski, Commissioners David Allen and Craig Waite**

**CALL TO ORDER AND PUBLIC COMMENTS**

- 1. Review and approval of minutes from June 8, 2023 (action)**
  
- 2. Staff Activity Reports – (action)**
  - A. DPW**
  - B. WWTP**
- 3. Voucher and Review of Payments (action)**
- 4. Review and Approval of Treasurer’s Report (action)**
  
- 5. OLD BUSINESS**
  - A. Update on WWTP and Sewer Project**
  - B. Other**
  
- 6. NEW BUSINESS**
  - A. Oswego County Multi-Jurisdictional Hazard Mitigation Plan Update**
  - B. Fire System for WWTP**
  - C. NYS Wastewater Surveillance Network**
  
- 7. ADJOURNMENT – Next Meeting - August 10, 2023 – 4:00 pm**

Draft

## Sewer Board Meeting

June 8, 2023

The regular meeting of the Pulaski Sewer Board was duly held on the 8<sup>th</sup> of June 2023 at 4:00pm in the Auditorium of the Snow Memorial Building, 4917 Jefferson Street, Pulaski, NY.

**Sewer Board Members Present:** Chairman, Robert Adamski; Commissioner, Craig Waite; Commissioner David Allen

**Village Officials and Staff:** Mayor, Jan Tighe; OMI, Dean Merritt; OMI, George Dibble; Village Clerk/Treasurer, Cathy Spinney; Account Clerk, Amanda Bennett

**Guest:** Jeffrey Tubolino, Blue Line Engineering

### **Agenda Item #1: Review and Approval of Minutes from May 9, 2023**

David Allen made the motion to approve the minutes from May 9, 2023. Craig Waite seconded the motion, motion passed unanimously.

### **Agenda Item #2: Staff Activity Reports (DPW & WWTP):**

Craig Waite made the motion to accept the Staff Activity Reports for DPW & WWTP, David Allen seconded the motion. Dean Merritt summarized the WWTP report. He noted that in the month of May 2023, they treated 13.4 million gallons, which is an average of 432,000 gallons per day. On May 1, 2023, there was a Level Transducer issue at River Street Pump Station, they pumped down wet well and reset.

On May 22, 2023, a Fecal Coliform sample result from May 17, 2023 was 440 CFU. Discharge permit limit is 400 CFU. They scheduled another Fecal Coliform sample for May 24, 2023. They notified the NYSDEC Val Murakami of exceedance. On May 23, 2023, they submitted a report of Noncompliance to NYSDEC. On May 24, 2023 Fecal Coliform sample result from May 22, 2023, was 80 CFU, which is well below limit.

On May 31, 2023, Corriea Construction was onsite for roof repairs. The leaks were repaired but the remaining roof panels are in bad shape. After further discussion with the Sewer Board, it was determined that the roof should be done sooner rather than wait for the project. Dean stated that he will get some prices for roofing.

The wastewater treatment plant is operating in full compliance with the SPDES permit.

The motion passed with all in favor.

### **Agenda Item #3: Voucher and Review of Payments Abstract No.13(2022-2023) and Abstract No. 1 (2023-2024)**

Craig Waite made the motion to accept the Vouchers for Abstract No.13 (2022-2023), David Allen seconded the motion, motion passed all in favor.

Craig Waite made the motion to accept the Vouchers for Abstract No.13 Capital Project (2022-2023), David Allen seconded the motion, motion passed with all in favor.

Craig Waite made the motion to accept the Vouchers for Abstract No.1 (2023-2024), David Allen seconded the motion, motion passed with all in favor.

Draft

#### **Agenda Item #4. Review and Approval of Treasurer's Report**

David Allen made the motion to approve the treasurer's report for May 2023, Craig Wait seconded the motion, motion passed unanimously.

#### **Agenda Item #5: Old Business**

##### **A. Update on WWTP and Sewer Project**

The Sewer Board discussed the cost of National Grid to relocate a pole to accommodate the pump station expansion. The estimated cost is \$23,270.38 to do this job. Jeffrey Tubolino stated that he will reach out to National Grid to make sure this is what they really want.

Jeffrey stated that the project total is \$400,000 less than what they had estimated, he informed the Sewer Board that the project will be split into three contracts, WWTP Improvements, Electrical and HVAC. Mayor Jan Tighe, asked regarding when construction may start, Jeffrey stated that July or August it should start.

The Sewer Board and Jeffrey discussed getting three permanent easements, they stated that they will get easements for Fulton Boil Works, 15 River Street, and 6 River Street.

#### **Agenda Item #6: New Business**

##### **A. Grants:**

Mayor Jan Tighe stated that she put in for Northern Border Regional Commission grant that will help with the cost of the sewer project. Commissioner Craig Waite asked when they will start pulling from the loan for the project, Cathy stated after they use the money from the grants, then they will start pulling from loans.

#### 7. Adjournment-

Craig Waite made the motion to adjourn at 5:15pm. David Allen seconded the motion, motion carried.

Next Meeting will be July 13<sup>th</sup>, 2023, at 4:00pm.

Drafted & Unapproved

Amanda Bennett, Account Clerk

## Pulaski Department of Public Works Report

May, 2023

- 1<sup>st</sup> Mow parks, locate utilities, cold patch Salmon Meadow & cemetery.
- 2<sup>nd</sup> River walk clean-up, locate utilities, repair parking lot @ Dunbar.
- 5<sup>th</sup> Mow Dunbar, vac catch basins (Bridge St) yard debris.
- 6<sup>th</sup> Vac catch basins (Church & Forest)
- 7<sup>th</sup> Remove tree from Lake St. parking lot,
- 8<sup>th</sup> Vac catch basins (Forest & James) Load sludge WWTP.
- 9<sup>th</sup> Weed tower & drain outlet run sweeper.
- 12<sup>th</sup> Vac catch basins (Maple Ave & Pine St) remove tree stumps Dunbar and lake pkg lot.
- 13 Yard debris, check manholes on Broad St.
- 14<sup>th</sup> Locate utilities, work on generator
- 15<sup>th</sup> Water tower research
- 16 Mow parks, DPW, Forest Dr. Maple Ave.
- 19<sup>th</sup> Yard debris, mow Dunbar.
- 20<sup>th</sup> Yard debris, cut tree @ SMB, sweeper.
- 21<sup>st</sup> Vac catch basins box st.
- 22<sup>nd</sup> work at water tower work on trail cams.
- 23<sup>rd</sup> Mow parks, vac catch basins (Glen & Lewis St.)
- 26<sup>th</sup> Mow dunbar, locate utilities.
- 27<sup>th</sup> Repair 2" galv. Water main N. Jefferson st. sewer b/u High St.
- 28<sup>th</sup> Operate valves for water tower,
- 29<sup>th</sup> Work on water main @ wallgreens.
- 30<sup>th</sup> Mow weed parks, Tank insp., Wallgreens main, clean tower vent/ overflow.

Bill E. Noreault, Superintendent

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## OMI MEMORANDUM

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**To:** Village of Pulaski Sewer Board  
**From:** Operations & Maintenance, Inc. – OMI  
**Subject:** Monthly Report  
**Date:** The Month of June 2023

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In the month of June 2023, we treated 8.1 million gallons, which is an average of 270,000 gallons per day. We are currently awaiting sample results.

6/2/23 Installed new Poly-Blend Starter on the belt press polymer system.

6/2/23 Paro Construction on site for roof estimate. Awaiting price quote.

6/9/23 Eggan hauled dry sludge to the landfill.

6/13/23 Eggan on site for Pump Station clean out of grease and debris.

6/22/23 Eggan on site for grit and rag removal on the bottom of SBR #3.

6/26/23 Scriba electric on site to evaluate blower air actuator valve to see if they can rewire the new valve.

6/29/23 Eggan on site for grit and rag removal on the bottom of SBR #2.

Performed all Preventative Maintenance tasks for the month of May.

**The wastewater treatment plant is operating in full compliance with the SPDES permit.**

# ABSTRACT OF AUDITED VOUCHERS

## WASTE WATER IMPROVEMENT PROJECT

VILLAGE OF PULASKI

OSWEGO COUNTY, NEW YORK

DATE OF AUDIT: 06/12/2023

NUMBER 013

TOTAL CLAIMS: \$41,813.50

(Original to Village Treasurer - Duplicate to be retained by Village Clerk or Auditor)

Voucher #	Claimant	Account #	Amount	Check
40	MUNICIPAL SOLUTIONS, INC 19250/WWTP PROJECT FISCAL SERVICES	HF8130.2	170.50	
41	BLUE LINE ENGINEERING, DPC 1515/WASTEWATER INFRASTRUCTURE IMPROVEMENT	HF8130.2	41,643.00	

Total:	41,813.50
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To the Treasurer of the above VILLAGE:

The above listed claims having been presented to the \_\_\_\_\_  
of the above-named Village, and having been duly audited and allowed in the amounts as shown on the  
above-mentioned date, you are hereby authorized and directed to pay each of the listed claimants the amount  
allowed upon his claim appearing opposite his name.

In Witness Whereof, I have hereunto set my hand as \_\_\_\_\_ at

the above Village this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
Signature

# ABSTRACT OF AUDITED VOUCHERS

## WASTE WATER IMPROVEMENT PROJECT

VILLAGE OF PULASKI

OSWEGO COUNTY, NEW YORK

DATE OF AUDIT: 07/10/2023

NUMBER 002

TOTAL CLAIMS: \$8,905.00

(Original to Village Treasurer - Duplicate to be retained by Village Clerk or Auditor)

Voucher #	Claimant	Account #	Amount	Check
42	BLUE LINE ENGINEERING, DPC 1522/ENGINEERING WASTEWATER INFRA IMPROVEMENT	HF8130.2	8,905.00	
Total:			8,905.00	

To the Treasurer of the above VILLAGE:

The above listed claims having been presented to the \_\_\_\_\_ of the above-named Village, and having been duly audited and allowed in the amounts as shown on the above-mentioned date, you are hereby authorized and directed to pay each of the listed claimants the amount allowed upon his claim appearing opposite his name.

In Witness Whereof, I have hereunto set my hand as \_\_\_\_\_ at

the above Village this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

\_\_\_\_\_  
Signature

**VILLAGE OF PULASKI - WASTE WATER IMPROVEMENT PROJECT**
**BALANCE SHEET**

 JUNE 2023
 

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**ASSETS**

HF200	CASH - CHECKING	208,186.50
HF391	DUE FROM OTHER FUNDS	0.00
	TOTAL	<u>208,186.50</u>

**LIABILITIES AND FUND BALANCE**

HF600	ACCOUNTS PAYABLE	0.00
HF630	DUE TO OTHER FUNDS	0.00
	TOTAL	<u>0.00</u>

	<b>UNEXPENDED FUND BALANCE</b>	<u>208,186.50</u>
	<b>TOTAL LIABILITIES &amp; FUND BALANCE</b>	<u>208,186.50</u>



## VILLAGE OF PULASKI

## WASTE WATER IMPROVEMENT PROJECT

## TRIAL BALANCE

JUNE 2023

**ASSETS****CASH**

HF200	CASH - CHECKING	208,186.50
	TOTAL CASH	<u>208,186.50</u>

**OTHER RECEIVABLES**

HF391	DUE FROM OTHER FUNDS	0.00
	TOTAL OTHER RECEIVABLES	<u>0.00</u>

**BUDGETARY & EXPENSE ACCOUNTS**

HF510	ESTIMATED REVENUES	0.00
HF521	ENCUMBRANCES	0.00
HF522	EXPENDITURES	0.00
HF599	APPROPRIATED FUND BALANCE	0.00
	TOTAL BUDGETARY & EXPENSE ACCOUNTS	<u>0.00</u>
	TOTAL ASSETS	<u><u>208,186.50</u></u>

WASTE WATER IMPROVEMENT PROJECT

TRIAL BALANCE

JUNE 2023

**LIABILITIES AND FUND BALANCE**

**LIABILITIES**

HF600	ACCOUNTS PAYABLE	0.00
HF630	DUE TO OTHER FUNDS	0.00
	TOTAL LIABILITIES	<u>0.00</u>

**FUND BALANCE**

HF821	RESERVE FOR ENCUMBRANCES	0.00
HF915	FUND BALANCE - UNRESERVED	208,186.50
	TOTAL FUND BALANCE	<u>208,186.50</u>

**BUDGETARY & REVENUE**

HF960	APPROPRIATIONS	0.00
HF962	BUDGETARY PROVISIONS FOR OTHER USES	0.00
HF980	REVENUES	0.00
	TOTAL BUDGETARY & REVENUE ACCOUNTS	<u>0.00</u>
	TOTAL LIABILITIES AND FUND BALANCE	<u><u>208,186.50</u></u>

## VILLAGE OF PULASKI

SEWER FUND  
DETAIL OF EXPENDITURES  
JUNE 2023

		Modified budget	Expended 2023-24	Unencumbered Encumbered	Unencumbered balance	% Remaining
<b>GENERAL GOVERNMENT SUPPORT</b>						
<b>SPECIAL ITEMS</b>						
G1910.4	UNALLOCATED INSURANCE	21,000.00	0.00	0.00	21,000.00	100.0
G1990.4	CONTINGENT ACCOUNT	25,000.00	0.00	0.00	25,000.00	100.0
	TOTAL SPECIAL ITEMS	46,000.00	0.00	0.00	46,000.00	100.0
	TOTAL GENERAL GOVERNMENT SUPPORT	46,000.00	0.00	0.00	46,000.00	100.0
<b>HOME AND COMMUNITY SERVICES</b>						
<b>SEWER ADMIN</b>						
<b>PERSONNEL SERVICES</b>						
G8110.1	SEWER ADMIN - PERSONNEL SERVICES	36,952.00	2,693.67	0.00	34,258.33	92.7
	TOTAL PERSONNEL SERVICES	36,952.00	2,693.67	0.00	34,258.33	92.7
<b>EQUIPMENT/CAPITAL OUTLAY</b>						
G8110.2	SEWER ADMIN - EQUIPMENT	5,000.00	77.11	0.00	4,922.89	98.5
	TOTAL EQUIPMENT/CAPITAL OUTLAY	5,000.00	77.11	0.00	4,922.89	98.5
<b>CONTRACTUAL EXPENSE</b>						
G8110.402	SEWER ADMIN - SUPPLIES & POSTAGE	3,153.20	29.90	0.00	3,123.30	99.1
G8110.403	SEWER ADMIN - EQUIPMENT MAINTENANCE	4,000.00	93.60	0.00	3,906.40	97.7
G8110.404	SEWER ADMIN - TRAINING & DEVELOPMENT	300.00	0.00	0.00	300.00	100.0
G8110.405	SEWER ADMIN - TELEPHONE	1,360.00	437.96	0.00	922.04	67.8
G8110.423	SEWER ADMIN - SHARED SERVICES	10,500.00	0.00	0.00	10,500.00	100.0
G8110.425	SEWER ADMIN - AUDITOR	2,000.00	0.00	0.00	2,000.00	100.0
G8110.427	SEWER ADMIN - LEGAL SERVICES	1,000.00	0.00	0.00	1,000.00	100.0
G8110.428	SEWER ADMIN - ENGINEER	1,000.00	0.00	0.00	1,000.00	100.0
	TOTAL CONTRACTUAL EXPENSE	23,313.20	561.46	0.00	22,751.74	97.6
	TOTAL SEWER ADMIN	65,265.20	3,332.24	0.00	61,932.96	94.9
<b>SANITARY SEWERS</b>						
<b>PERSONNEL SERVICES</b>						
G8120.1	SANITARY SEWERS - PERSONNEL SERVICES	29,000.00	1,572.42	0.00	27,427.58	94.6
	TOTAL PERSONNEL SERVICES	29,000.00	1,572.42	0.00	27,427.58	94.6
<b>EQUIPMENT/CAPITAL OUTLAY</b>						
G8120.2	SANITARY SEWERS - EQUIPMENT	23,000.00	0.00	0.00	23,000.00	100.0
	TOTAL EQUIPMENT/CAPITAL OUTLAY	23,000.00	0.00	0.00	23,000.00	100.0
<b>CONTRACTUAL EXPENSE</b>						
G8120.402	SANITARY SEWERS - SUPPLIES & POSTAGE	3,900.00	0.00	0.00	3,900.00	100.0
G8120.404	SANITARY SEWERS - TRAINING & DEVELOPMENT	300.00	0.00	0.00	300.00	100.0
G8120.412	SANITARY SEWERS - GAS & OIL	5,000.00	0.00	0.00	5,000.00	100.0
G8120.421	SANITARY SEWERS - EQUIPMENT REPAIRS	6,000.00	0.00	0.00	6,000.00	100.0
G8120.422	SANITARY SEWERS - MISCELLANEOUS	0.00	0.00	0.00	0.00	0.0
G8120.435	SANITARY SEWERS - TELECOMMUNICATIONS	300.00	0.00	0.00	300.00	100.0
G8120.446	SANITARY SEWERS - MANHOLE REPAIRS	10,000.00	0.00	0.00	10,000.00	100.0
	TOTAL CONTRACTUAL EXPENSE	25,500.00	0.00	0.00	25,500.00	100.0

# VILLAGE OF PULASKI

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## SEWER FUND DETAIL OF EXPENDITURES

JUNE 2023

	Modified budget	Expended 2023-24	Encumbered	Unencumbered balance	% Remaining
TOTAL SANITARY SEWERS	77,500.00	1,572.42	0.00	75,927.58	98.0
<b>SEWAGE TREATMENT</b>					
<b>PERSONNEL SERVICES</b>					
G8130.1 SEWAGE TREATMENT - PERSONNEL SERVICES	500.00	0.00	0.00	500.00	100.0
TOTAL PERSONNEL SERVICES	500.00	0.00	0.00	500.00	100.0
<b>EQUIPMENT/CAPITAL OUTLAY</b>					
G8130.2 SEWAGE TREATMENT - EQUIPMENT	11,000.00	0.00	0.00	11,000.00	100.0
TOTAL EQUIPMENT/CAPITAL OUTLAY	11,000.00	0.00	0.00	11,000.00	100.0
<b>CONTRACTUAL EXPENSE</b>					
G8130.402 SEWAGE TREATMENT - SUPPLIES	1,500.00	0.00	0.00	1,500.00	100.0
G8130.405 SEWAGE TREATMENT - TELEPHONE	2,200.00	0.00	0.00	2,200.00	100.0
G8130.409 SEWAGE TREATMENT - BLDGS & GROUNDS	2,600.00	0.00	0.00	2,600.00	100.0
G8130.412 SEWAGE TREATMENT - GAS & OIL	1,500.00	0.00	0.00	1,500.00	100.0
G8130.421 SEWAGE TREATMENT - EQUIPMENT REPAIRS	16,000.00	0.00	0.00	16,000.00	100.0
G8130.424 SEWAGE TREATMENT - UTILITIES	45,000.00	1,319.52	0.00	43,680.48	97.1
G8130.433 SEWAGE TREATMENT - SAMPLES	3,800.00	0.00	0.00	3,800.00	100.0
G8130.436 SEWAGE TREATMENT - WASTE REMOVAL	25,000.00	0.00	0.00	25,000.00	100.0
G8130.438 SEWAGE TREATMENT - PERMIT FEES	2,350.00	0.00	0.00	2,350.00	100.0
G8130.439 SEWAGE TREATMENT - CHEMICALS	18,500.00	0.00	0.00	18,500.00	100.0
G8130.445 SEWAGE TREATMENT - OPERATION CONTRACT	182,565.00	0.00	0.00	182,565.00	100.0
TOTAL CONTRACTUAL EXPENSE	301,015.00	1,319.52	0.00	299,695.48	99.6
TOTAL SEWAGE TREATMENT	312,515.00	1,319.52	0.00	311,195.48	99.6
TOTAL HOME AND COMMUNITY SERVICES	455,280.20	6,224.18	0.00	449,056.02	98.6
<b>EMPLOYEE BENEFITS</b>					
<b>EMPLOYEE BENEFITS</b>					
G9010.8 STATE RETIREMENT	19,036.00	0.00	0.00	19,036.00	100.0
G9030.8 SOCIAL SECURITY	6,000.00	324.01	0.00	5,675.99	94.6
G9040.8 WORKER'S COMPENSATION	10,378.80	10,378.80	0.00	0.00	0.0
G9060.8 HOSPITAL & MEDICAL INSURANCE	24,780.00	1,837.79	0.00	22,942.21	92.6
TOTAL EMPLOYEE BENEFITS	60,194.80	12,540.60	0.00	47,654.20	79.2
<b>DEBT SERVICE</b>					
<b>SERIAL BONDS</b>					
<b>PRINCIPAL</b>					
G9710.6A STORM SEWER	86,195.00	0.00	0.00	86,195.00	100.0
G9710.6B SANITARY SEWER	4,938.00	0.00	0.00	4,938.00	100.0
G9710.6C WASTE WATER PLANT	111,302.00	0.00	0.00	111,302.00	100.0
TOTAL PRINCIPAL	202,435.00	0.00	0.00	202,435.00	100.0
<b>INTEREST</b>					
G9710.7 SERIAL BONDS - INTEREST	0.00	0.00	0.00	0.00	0.0
TOTAL INTEREST	0.00	0.00	0.00	0.00	0.0
TOTAL SERIAL BONDS	202,435.00	0.00	0.00	202,435.00	100.0
<b>INSTALLMENT PURCHASE DEBT</b>					

VILLAGE OF PULASKI

SEWER FUND  
 DETAIL OF EXPENDITURES

JUNE 2023

		Modified budget	Expended 2023-24	Encumbered	Unencumbered balance	% Remaining
<b>PRINCIPAL</b>						
G9785.6	INSTALLMENT PURCHASE DEBT - PRINCIPAL	0.00	0.00	0.00	0.00	0.0
	TOTAL PRINCIPAL	0.00	0.00	0.00	0.00	0.0
<b>INTEREST</b>						
G9785.7	INSTALLMENT PURCHASE DEBT - INTEREST	0.00	0.00	0.00	0.00	0.0
	TOTAL INTEREST	0.00	0.00	0.00	0.00	0.0
	TOTAL INSTALLMENT PURCHASE DEBT	0.00	0.00	0.00	0.00	0.0
	TOTAL DEBT SERVICE	202,435.00	0.00	0.00	202,435.00	100.0
<b>INTERFUND TRANSFERS</b>						
<b>TRANSFERS TO OTHER FUNDS</b>						
G9901.9	INTERFUND TRANSFER	10,500.00	0.00	0.00	10,500.00	100.0
	TOTAL	10,500.00	0.00	0.00	10,500.00	100.0
	TOTAL TRANSFERS TO OTHER FUNDS	10,500.00	0.00	0.00	10,500.00	100.0
<b>TRANSFERS TO CAPITAL FUNDS</b>						
G9950.9	TRANSFER - CAPITAL PROJ. FUND	0.00	0.00	0.00	0.00	0.0
	TOTAL	0.00	0.00	0.00	0.00	0.0
	TOTAL TRANSFERS TO CAPITAL FUNDS	0.00	0.00	0.00	0.00	0.0
	TOTAL INTERFUND TRANSFERS	10,500.00	0.00	0.00	10,500.00	100.0
	TOTAL EXPENDITURES:	774,410.00	18,764.78	0.00	755,645.22	97.6

## VILLAGE OF PULASKI

SEWER FUND  
DETAIL OF REVENUES

JUNE 2023

		Modified budget	Earned 2023-24	Unearned Balance	%
<b>DEPARTMENTAL INCOME</b>					
G2120	SEWER RENTS	761,310.00	0.00	761,310.00	100.0
G2122	SEWER CHARGES	2,000.00	0.00	2,000.00	100.0
G2128	INTEREST & PENALTIES	5,000.00	0.00	5,000.00	100.0
	TOTAL DEPARTMENTAL INCOME	768,310.00	0.00	768,310.00	100.0
<b>USE OF MONEY AND PROPERTY</b>					
G2401	INTEREST & EARNINGS	1,100.00	0.00	1,100.00	100.0
G2401R	RESERVE INTEREST & EARNINGS	5,000.00	0.00	5,000.00	100.0
	TOTAL USE OF MONEY AND PROPERTY	6,100.00	0.00	6,100.00	100.0
<b>MISCELLANEOUS LOCAL SOURCES</b>					
G2770	MISCELLANEOUS REVENUE	0.00	0.00	0.00	0.0
	TOTAL MISCELLANEOUS LOCAL SOURCES	0.00	0.00	0.00	0.0
<b>STATE AID</b>					
G3902	STATE AID PLANNING & STUDIES	0.00	0.00	0.00	0.0
	TOTAL STATE AID	0.00	0.00	0.00	0.0
	TOTAL REVENUES:	774,410.00	0.00	774,410.00	100.0



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**FW: understanding water and wastewater treatment systems in the county**

1 message

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**mayor@villagepulaski.com** <mayor@villagepulaski.com>  
To: Account Clerk <accountclerk@villagepulaski.com>

Tue, Jul 11, 2023 at 10:41 AM

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**From:** David Turner <David.Turner@OswegoCounty.com>  
**Sent:** Friday, July 7, 2023 12:40 PM  
**Subject:** understanding water and wastewater treatment systems in the county

The County in concert with the County of Oswego IDA, have commissioned a study of the water and wastewater systems in the county in an effort to better understand exactly what we have and what we need. I would like to schedule an online meeting with the person(s) in your community who are responsible for the day-to-day activities at your facilities. Could you please provide me with contact information so I can reach out to the and coordinate a convenient time and day to do so?

Thank you!

Dave

David Turner, Director  
Oswego County Office of Strategic Initiatives  
46 East Bridge Street  
Oswego, NY 13126  
315-349-8260  
david.turner@oswegocounty.com  
www.visitoswegocounty.com  
www.oswegocounty.com

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Account Clerk &lt;accountclerk@villagepulaski.com&gt;

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**Fwd: NYS Wastewater Surveillance Network**

1 message

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**Deputy Clerk** <deputyclerk@villagepulaski.com>  
To: Account Clerk <accountclerk@villagepulaski.com>

Thu, Jun 15, 2023 at 1:42 PM

Jennifer Gibbs  
Deputy Clerk  
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----- Forwarded message -----

From: **Joe Moran** <joemoran@cdcfoundation.org>  
Date: Thu, Jun 15, 2023 at 1:17 PM  
Subject: NYS Wastewater Surveillance Network  
To: deputyclerk@villagepulaski.com <deputyclerk@villagepulaski.com>

Hello,

Below is some info and articles about the NYS Wastewater Surveillance Network per our discussion. I have also attached a pdf that is an overview of the program. We currently are working with ~200 wastewater treatment plants in NY, 3 of which are already in Oswego County (Oswego East and West, and Fulton).

Our website: <https://nywastewatcher.io/>  
Our dashboard: <http://covid.nywastewatcher.io/>

Some highlights of participating on the network:

- The program is free!
- We are currently sampling for SARS-CoV-2 and we are running pilot programs for 5 other pathogens (Influenza A, RSV, Hepatitis A, Norovirus, and antimicrobial-resistant genes).
- The establishment and infrastructure of the NYS Wastewater Surveillance Network was critical in the rapid response to the polio and mpox outbreaks in the metro and mid-Hudson regions of NY
- Data is shared publicly via dashboards and with weekly memos to LHD's and local governments
- As a network, we only facilitate, analyze, and share data. We are non-regulatory and do not tell communities what they should or should not do based on the wastewater signal. Instead, we allow communities and LHDs to make their own informed decisions using our data.
- We have recently added sequencing data for variants to our weekly covid memos. This data is used to distribute medical supplies to hospitals based on what variants are present in a community. Not all drugs/treatments are effective for all variants, so this helps medical professionals efficiently target and treat severe cases.
- With the conclusion of the state of emergency, wastewater surveillance will now be the primary measure for covid levels used by the state.
- The data collected is one of the largest wastewater time series data sets, and has been used in countless peer reviewed research articles with our collaborators at Syracuse University, SUNY ESF, SUNY Buffalo, SUNY Stonybrook, and the NYS Department of Health.



Wastewater data can provide a representative measure of community disease dynamics while maintaining anonymity (data is linked to entire communities, not individuals), and does not rely on individual testing behaviors.

- All participation in the network is voluntary. This is not a discharge requirement, or something that would (or could) be added as a requirement to SPDES permits.

Some perks of being in the program (in addition to the public health implications):

- We collaborate with the DEC to provide contact hours and trainings for wastewater operators
- Local health departments receive article 6 incentive funding for expanding wastewater surveillance (state level funding cannot be directly routed to assist wastewater operators; however, this is a mechanism for LHD's to support municipal level work/infrastructure as it relates to wastewater surveillance.

A version of the dashboard and a new weekly state report was added to the NYSDOH webpage: <https://coronavirus.health.ny.gov/covid-19-wastewater-surveillance>

Some interesting press:

- [https://www.health.ny.gov/press/releases/2023/2023-01-23\\_wastewater\\_surveillance.htm](https://www.health.ny.gov/press/releases/2023/2023-01-23_wastewater_surveillance.htm)
- <https://www.wsj.com/articles/for-future-viral-threats-health-officials-look-to-sewage-11674365861>

We sincerely appreciate that you are considering participation! I hope to work with you in the future. Please let me know if there's anything else I can do or provide.

Best,  
Joe  
845-866-7543

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 **WWTP welcome package (1).pdf**  
6029K



# NEW YORK STATE WASTEWATER SURVEILLANCE NETWORK

6C

SYRACUSE UNIVERSITY  
SUNY ESF  
UNIVERSITY AT BUFFALO SUNY  
STONY BROOK UNIVERSITY  
NEW YORK STATE DEPARTMENT OF HEALTH  
NEW YORK STATE DEPARTMENT OF  
ENVIRONMENTAL CONSERVATION

## CURRENT TESTING IN NEW YORK STATE

*ALL 62 COUNTIES*

We began analyzing wastewater for SARS-CoV-2, the coronavirus that causes COVID-19, in early March of 2020 after Dutch scientists documented its feasibility. With the collaboration of wastewater treatment plants and local health departments, we aim to reach statewide coverage of wastewater surveillance.

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## Program Overview

The goal of this program is to use wastewater surveillance as a tool to estimate COVID-19 transmission, confirm the level of transmission in a community, give early indication of increasing or decreasing transmission, and forecast hospitalizations.

As part of the state network, participating treatment plants provide wastewater samples, which are then analyzed through the state network laboratory. The data are made publicly available at the state [dashboard](#).

Participating treatment plants, county health departments, and other stakeholders will receive weekly memos providing information on current SARS-CoV-2 trends and levels relative to the rest of the state. This information can be used to confirm to the public that it is safe when transmission is low, as well as to inform the public regarding any increased risk of COVID-19 in their community.

You can learn more about the state network and wastewater surveillance at our [website](#).

# Getting Started

Joining the NYS Wastewater Surveillance Network is a simple two-step process:

1. Send us the wastewater treatment plant's shipping address. We will provide this address to the laboratory to send you sampling and shipping kits.
2. Share a list of stakeholders. All requested stakeholders will receive a weekly memo on the status and trends of SARS-CoV-2 levels in your community.

Please do not hesitate to contact us for any clarification.

## Sampling Details

We prefer 24-hour composite samples collected from the influent stream of the wastewater treatment plant. To do the sampling, you will need a wastewater sampler with the ability to collect composite samples in a single bottle configuration.

Once the collection is complete, shake the container with the composite sample to mix the contents and transfer it from the sampler to the pre-labeled 250 ml bottle. Cap the bottle, place it in a resealable plastic bag, and rest in a container with ice packs for transfer to the laboratory. Please do not use dry ice or add thiosulfate tablets to the bottle.

For each sample, you will record the daily flow on the chain of custody form along with the date, and then drop the sample in the mail as soon as possible for overnight shipment to the laboratory.

When you have a few kits left from the last shipment, our partner laboratory will send you more bottles and boxes with shipping return labels. Please feel free to contact us for any advice or inquiry.



## Our Network

Every week, once the samples are analyzed, we will send out a memo outlining what the trends are, the meaning of the data, as well as how it compares to the rest of the state.

Remember that wastewater surveillance can show accurate trends of cases in a community without relying on individual testing. Individual privacy is upheld, as wastewater is collected and tested at the community level.

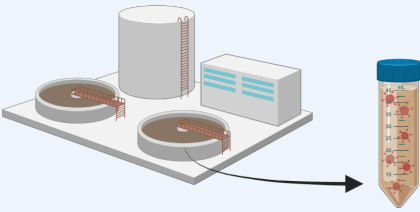
There are no costs to participate in the wastewater surveillance network. However, we do rely on the treatment plant to pull the sample. We thank you for your willingness to engage in this effort with us.

# Steps for quantifying SARS-CoV-2 in wastewater samples

A METHOD TO DETERMINE THE SCALE OF INFECTION IN AN AREA \*\*\*

**1**

**Collect sample from wastewater treatment plant**

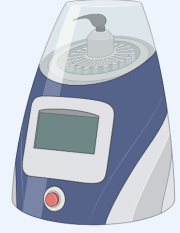


Type of Sample:  
24- Hour Composite

**2**

**Mix sample well and remove large solids**


Invert samples or mechanically mix them. You can remove large solids, but can lose SARS-CoV-2 attached to them.



**3**

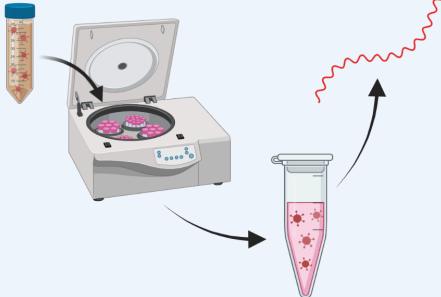
**Concentrate the sample**

- Electrostatic filters
- Ultrafiltration or Centrifugal filtration
- Polyethylene glycol precipitation
- Ultra centrifugation



**4**

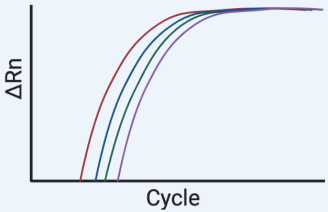
**Centrifuge the sample and extract RNA**



**5**

**Quantify RNA**

Use PCR tests, similar to individual tests, to measure the amount of RNA in the sample.



**Controls**

- **Matrix recovery:** used to understand the amount of virus lost during sample testing
- **Human fecal indicators:** organisms specific to human feces that can be used to estimate the human fecal content
  - Pepper Mild Mottle virus, crAssphage
- **Inhibition assessment:** used to determine if RNA quantification (step 5) is performing as expected

\*\*\*Wastewater Treatment Plants only participate in Step 1 by providing wastewater samples

# Wastewater Surveillance Checklist

## BEFORE SAMPLING

- Meet with CDC Foundation Epidemiologist to discuss the wastewater surveillance program and join network
- Provide the wastewater treatment plant's shipping address to receive sampling and shipping kits
- Compile and share list of stakeholders who will be receiving the weekly memo via email
- Complete chain of custody agreement with the laboratory and receive kits

## DURING SAMPLING

- Collect 24-hour composite sampling from influent stream of the treatment plant (1 or 2 times per week)
- Make sure to annotate the daily flow on the chain of custody form along with the date
- Mail the sample (Monday-Thursday) as soon as possible for overnight shipment to the laboratory

## AFTER SAMPLING

- Receive weekly memos showcasing data and trends
- Reach out if a problem or question arises

*“Establishing wastewater surveillance in every county throughout the state will give us better understanding of COVID-19 transmission. This system will help the public and policymakers better respond to the pandemic.”*

-Dr. David Larsen  
Principal Investigator

## FAQs

### WHAT ARE SOME LONG-TERM BENEFITS OF WASTEWATER SURVEILLANCE?

Wastewater surveillance lends a better awareness of factors that may be affecting disease spread. It can also be used to detect other pathogens and substances. The wastewater surveillance network will be beneficial in the future, given the introduction of another pathogen with pandemic-causing potential.

### CAN WASTEWATER SURVEILLANCE BE USED TO IDENTIFY OTHER COMMUNITY TRENDS?

Illness-causing viruses, bacteria, exposures to environmental chemicals, or trends in drug use could all be tracked by wastewater surveillance at the community level while continuing to protect individual privacy.

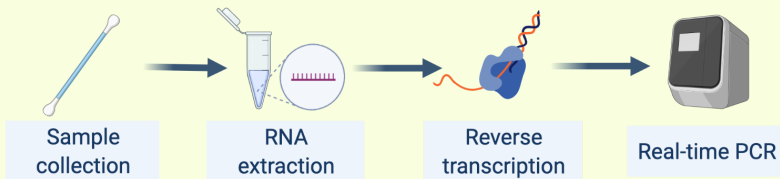
### HOW DOES WASTEWATER SURVEILLANCE PROTECT PRIVACY?

Wastewater sampling occurs at a treatment plant or influent point which provides a sample representative of an entire community. This method ensures individual privacy and anonymity. Samples cannot be traced back to any individual or household.

# SARS-CoV-2 Testing

A COMPARISON OF THE DIFFERENT TESTS AND HOW WASTEWATER SURVEILLANCE PLAYS A CRITICAL ROLE

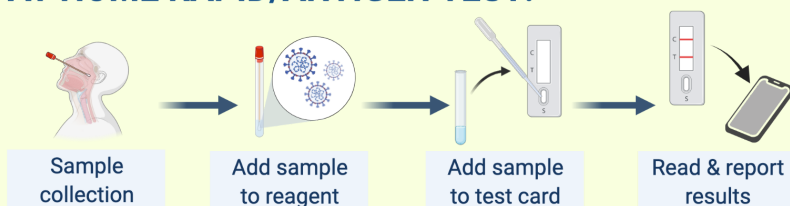
## PCR TEST:



Used to diagnose a current infection of COVID-19

Difficulty:

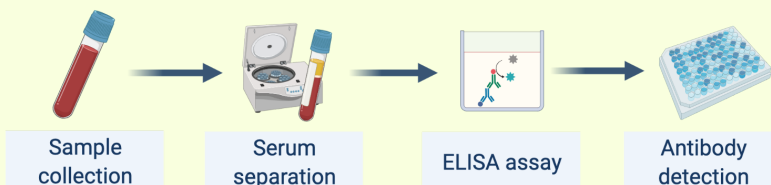
## AT HOME RAPID/ANTIGEN TEST:



Used to diagnose a current infection of COVID-19

Difficulty:

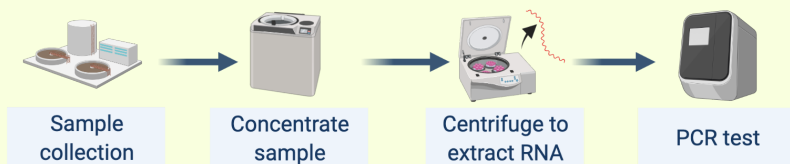
## SEROLOGICAL TEST:



Used to see if you have had a previous infection

Difficulty:

## WASTEWATER TEST:



Used to test the community level of SARS-CoV-2

Difficulty:

## WHEN CAN WE USE THESE TESTS?

