



**MINUTES OF THE REGULAR MEETING OF THE NEW RIVER REGIONAL WATER AUTHORITY HELD IN THE CONFERENCE ROOM OF THE NEW RIVER REGIONAL WATER AUTHORITY ON THURSDAY, SEPTEMBER 15, 2022, AT 10:01 A.M.**

**Members present:** Stephen D. Bear (Wythe County), Brian Freeman (Wytheville), Cathy D. Pattison (Wytheville), Michael Watson (Carroll County), Mark Bloomfield (Wytheville), Rolland Cook (Wythe County),

**Members absent:** R. Cellell Dalton (Carroll County)

**Others present:** Zachary Slate, Philip Moore, Trevor Hackler, Elvan Peed, Andrew Austin

**RE: CALL TO ORDER, QUORUM**

Chairman Freeman called the meeting to order and established that a quorum of Authority members was present.

**RE: CONSENT AGENDA**

Chairman Freeman presented the consent agenda consisting of the minutes of the regular meeting of August 18, 2022. He inquired if there was a motion to approve the consent agenda as presented or to somehow be amended. A motion was made by Mr. Bear and seconded by Mr. Bloomfield to approve the consent agenda consisting of the minutes of the regular meeting of August 18, 2022, as presented. Chairman Freeman inquired if there was any discussion on the motion. There being none, the motion passed unanimously with Mr. Cook abstaining to approve the consent agenda consisting of the minutes of the regular meeting of August 18, 2022, as presented.

**RE: CITIZENS' TIME**

Chairman Freeman advised that the next item on the agenda is Citizens' Time. He inquired if there were any citizens present who wished to address the Authority during Citizens' Time. There being none, Chairman Freeman proceeded with the agenda.

**RE: VENDORS' TIME**

Chairman Freeman advised that the next item on the agenda is Vendors' Time. He inquired if there were any vendors present who wished to address the Authority during Vendors' Time. There being none, Chairman Freeman proceeded with the agenda.

**RE: APPROVAL OF INVOICES**

Chairman Freeman advised that the next item on the agenda is the Approval of the Invoices, as follows:



1. AEP	August	\$16,126.04
2. Town of Wytheville	August	\$93,484.20

Chairman Freeman inquired if there was a motion to approve payment of the invoices. A motion was made by Mr. Bear and seconded by Mr. Bloomfield to approve payment of the invoices, as presented. Chairman Freeman inquired if there was any discussion on the motion. Chairman Freeman inquired if there was any other discussion. There being none, the motion passed unanimously to approve payment of the invoices, as presented. Chairman Freeman proceeded with the agenda.

**RE: SUPERINTENDENT’S REPORT**

The Superintendent’s Report was entered into the record, as follows:

1. Expansion
2. Maintenance
3. Personnel

Mr. Slate reported the centrifuge pilot test is scheduled for October 17, 2022. Adjustments resulting from the twelve (12) month Blue Star Group delay were made to the attached flow and staffing projections, decreasing operator need from ten (10) to seven (7) in fiscal year 2025. He presented cybersecurity and networking updates, noting American Mine Research (AMR) will be working on an intermittent programmable logic controller (PLC) networking issue. Mr. Slate provided an update on the damaged Raw Flow Meter, expressed thanks to the Town of Wytheville’s assistance with resolving credit card issues, discussed silt hauling, and complimented Mr. Moore’s work on organizing the water treatment facility. He stated there are minor leaks on the sodium hypochlorite feed lines, which they are looking to replace. He reported the Raw Pump is scheduled to be rebuilt on September 21, 2022 and the steps taken to mitigate possible sodium hypochlorite supply issues. Mr. Slate discussed various personnel items, including Evan Woods passing the Virginia (VA) Waterworks Class One (1) exam and Landon Sage passing the VA Waterworks Class Two (2) exam. He discussed the possibility of using hydrogen peroxide in place of their current pre-oxidant, sodium permanganate, and caustic soda in place of soda ash for pH adjustment. He stated Wythe County has requested \$7,400 for repairs of road to Raper Ridge Tanks. Following a brief discussion, it was the consensus of the Board to allow Wythe County to proceed with repairs to the road.

Chairman Freeman inquired if there were any other comments. There being none, he proceeded to Board Time.

**RE: BOARD TIME**

Chairman Freeman advised that the next agenda item is Board Time. He inquired of Mr. Peed to report on Plant Expansion.

Mr. Peed reported as part of the Preliminary Engineering Report (PER) process, there

was also a visionary component looking into how to adapt the transmission system for future demand. He stated the only water line the Authority owns is from the water plant to the other side of the bridge, everything else is owned by the localities with some facilities being shared. He presented analyses of ways to move water from the Authority through each of the three (3) localities distribution systems. Mr. Peed explained at six (6) Million Gallons per Day (MGD) plant capacity, there were no issues, but pressure problems begin to develop at a seven (7) MGD flow rate. His analyses presentation included the placement of additional water lines, pump stations, water storage tanks, and considered various production scenarios from the Town of Wytheville water treatment plant to meet future water demand. After much discussion about each localities water distribution system and future improvements needs, Chairman Freeman proceeded to the next item on the agenda.

Chairman Freeman presented a resolution for discussion to authorize the issuance and sale of a bond to pay costs of capital improvements to the Authority's water treatment plant. After a brief discussion, a motion was made by Mr. Bear and seconded by Mr. Bloomfield to approve and authorize signatures for the resolution to the New River Regional Water Authority. Chairman Freeman inquired if there was any discussion on the motion. There being none, the motion passed unanimously to approve and authorize signatures for the resolution to the New River Regional Water Authority. Chairman Freeman briefly discussed the next steps for submitting and filing the resolution.

Chairman Freeman inquired if there were any other items to bring before the board. Mr. Watson reported Mr. Dalton resigned from the Authority board and the Carroll County Board of Supervisors has appointed Mr. Joey Dickson to fill the vacancy.

**RE: ADJOURNMENT**

There being no further business to be discussed, a motion was made by Mr. Bear and seconded by Mr. Bloomfield to adjourn the meeting. The motion passed unanimously and carried to adjourn the meeting. (10:54 a.m.)

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T. Brian Freeman, Chairman

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Stephen D. Bear, Secretary/Treasurer



# Town of Wytheville

P.O. Box 533, 150 E. Monroe St.  
Wytheville, VA 24382  
276-223-3333 fax 276-223-3315

Invoice No.

1228

## INVOICE

### Customer

Name NEW RIVER REGIONAL WATER AUTHORITY  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
Phone \_\_\_\_\_

Date 9/30/2022

Qty	Description	Unit Price	TOTAL
1	MONTHLY INVOICE SEPTEMBER 2022 EXPENSES FOR SEPTEMBER 2022	\$102,701.73	\$102,701.73
	NRRWA		

### Payment Details

Check  
Check # \_\_\_\_\_

Make Checks  
Payable to: **Town Of Wytheville**

SubTotal	\$102,701.73
	\$0.00
<b>TOTAL</b>	<b>\$102,701.73</b>

**Amount Due 30 Days from Invoice Date**

--DETAIL--

--DETAIL--

FUND #-005 \*\* NRRWA EXPENSES \*\*

MAJOR ACCT#	DESCRIPTION	BUDGET AMOUNT	APPR. AMOUNT	CURRENT AMOUNT	Y-T-D AMOUNT	ENCUMBRANCE AMOUNT	UNENCUMBERED BALANCE	% REMAIN.
999	** NRRWA EXPENSES **							
47000	NEW RIVER REG.WATER ADMINISTRATION							
1101	SALARIES AND WAGES REGULAR	377,401.00	377,401.00	39,829.23	91,838.85	.00	285,562.15	75.66
1102	SALARIES AND WAGES PART TIME	23,900.00	23,900.00	3,180.00	7,405.00	.00	16,495.00	69.01
1201	SALARIES AND WAGES OVERTIME	10,887.00	10,887.00	138.61	217.31	.00	10,669.69	98.00
2100	FICA	31,532.00	31,532.00	3,257.13	7,475.36	.00	24,056.64	76.29
2210	VRS	49,934.00	49,934.00	3,687.40	10,933.22	.00	39,000.78	78.10
2301	MEDICAL INSURANCE	92,052.00	92,052.00	5,178.68	16,036.04	.00	76,015.96	82.57
2401	GROUP INSURANCE	9,027.00	9,027.00	384.22	1,139.24	.00	7,887.76	87.37
2521	DISABILITY INSURANCE	.00	.00	215.48	556.78	.00	556.78	100.00
2601	UNEMPLOYMENT INSURANCE	387.00	387.00	.00	48.76	.00	338.24	87.40
2710	WORKER'S COMPENSATION	12,458.00	12,458.00	.00	10,077.00	.00	2,381.00	19.11
3110	PROFESSIONAL HEALTH SERVICES	400.00	400.00	.00	.00	.00	400.00	100.00
3130	O S PROFESSIONAL SERVICES	13,000.00	13,000.00	4,875.00	6,252.50	.00	6,747.50	51.90
3140	ENGINEERING SERVICES	325,000.00	325,000.00	.00	5,784.40	.00	319,215.60	98.22
3160	REPAIR MAINTENANCE O S VENDOR	50,000.00	50,000.00	1,581.02	3,815.95	.00	46,184.05	92.36
3161	O S INSTRUMENTATION SERVICES	10,000.00	10,000.00	5,608.00	6,547.00	.00	3,453.00	34.53
3162	O S LABORATORY TESTING	4,100.00	4,100.00	146.00	268.00	.00	3,832.00	93.46
3163	O/S VENDOR - MOWING	5,500.00	5,500.00	630.00	1,675.00	.00	3,825.00	69.54
3180	SLUDGE REMOVAL	30,000.00	30,000.00	30.00	6,765.88	.00	23,234.12	77.44
3600	ADVERTISING	450.00	450.00	.00	.00	.00	450.00	100.00
3841	PYMT OF OTHER ENTITIES - WYTHE CO	1,000.00	1,000.00	110.00	165.00	.00	835.00	83.50
5111	ELECTRICAL SERVICES	200,000.00	200,000.00	16,126.04	48,219.41	.00	151,780.59	75.89
5231	TELECOMMUNICATIONS	8,000.00	8,000.00	606.60	1,829.46	.00	6,170.54	77.13
5302	FIRE/LIABILITY/PROPERTY INSURANCE	14,751.00	14,751.00	.00	14,781.00	.00	30.00	.20
5510	TRAVEL MILEAGE	1,400.00	1,400.00	87.50	299.32	.00	1,100.68	78.62
5530	TRAVEL MEALS	500.00	500.00	17.15	37.00	.00	463.00	92.60
5540	TRAVEL CONVENTIONS & EDUCATION	2,000.00	2,000.00	.00	.00	.00	2,000.00	100.00
5810	PERMITS, LICENSES & MEMBERSHIPS	2,000.00	2,000.00	248.00	1,032.76	.00	967.24	48.36
6001	OFFICE SUPPLIES	1,200.00	1,200.00	.00	.00	.00	1,200.00	100.00
6004	LABORATORY SUPPLIES	6,000.00	6,000.00	.00	1,129.20	.00	4,870.80	81.18
6005	JANITORIAL SUPPLIES	700.00	700.00	.00	147.67	.00	552.33	78.90
6006	PROCESS CHEMICALS	188,000.00	188,000.00	9,802.40	38,275.87	.00	149,724.13	79.64
6007	MATERIAL & SUPPLIES	3,000.00	3,000.00	134.96	523.27	.00	2,476.73	82.55
6008	VEHICLE AND POWER EQUIPMENT SUPPLIE	7,000.00	7,000.00	83.02	1,020.36	.00	5,979.64	85.42
6009	MAINTENANCE EQUIPMENT	7,000.00	7,000.00	546.75	1,556.58	.00	5,443.42	77.76
6012	BOOKS AND SUBSCRIPTIONS	1,000.00	1,000.00	.00	.00	.00	1,000.00	100.00
6014	OTHER OPERATING SUPPLIES	1,000.00	1,000.00	.00	.00	.00	1,000.00	100.00
6015	MINOR PLANT IMPROVEMENTS	2,000.00	2,000.00	.00	.00	.00	2,000.00	100.00
6019	TOOLS AND SUPPLIES	400.00	400.00	14.99	44.98	.00	355.02	88.75
6023	REPAIR/MAINTENANCE INSTRUMENTATION	1,500.00	1,500.00	240.00	240.00	.00	1,260.00	84.00
6027	SAFETY EQUIPMENT	3,000.00	3,000.00	.00	.00	.00	3,000.00	100.00
8000	CONTINGENCY	13,305.00	13,305.00	.00	.00	.00	13,305.00	100.00
8010	CONSTRUCTION COST	46,800.00	46,800.00	6,003.55	6,003.55	.00	40,796.45	87.17
9100	SHARED DEBT SERVICE	254,082.00	254,082.00	.00	.00	.00	254,082.00	100.00
9120	LOAN - U S BANK 2015A	788,881.00	788,881.00	.00	.00	.00	788,881.00	100.00
9125	LOAN - U S BANK 2020C	122,666.00	122,666.00	.00	.00	.00	122,666.00	100.00
	NEW RIVER REG.WATER ADMINISTRATION	2,723,213.00	2,723,213.00	102,701.73	292,141.72	.00	2,431,071.28	89.27
	NEW RIVER REG.WATER ADMINISTRATION	2,723,213.00	2,723,213.00	102,701.73	292,141.72	.00	2,431,071.28	89.27
	--FUND TOTAL--	2,723,213.00	2,723,213.00	102,701.73	292,141.72	.00	2,431,071.28	89.27





**Statement Ending 09/30/2022**

NEW RIVER REGIONAL WATER

Page 1 of 2

Account Number: [REDACTED]

RETURN SERVICE REQUESTED

>000796 4776826 0001 93499 10Z 23

NEW RIVER REGIONAL WATER AUTHO  
PO BOX 966  
WYTHEVILLE VA 24382-0966

01234113  
#109



**Connect With Us**

- Mailing Address P O Box 90002  
Blacksburg, VA 24062-9002
- Toll Free 1-800-552-4123
- Lost/Stolen Cards 1-800-951-6235
- Website Address www.nbbank.com
- Email Address custassist@nbbank.com

**Summary of Accounts**

Account Type	Account Number	Ending Balance
NOW - PUBLIC FUNDS	[REDACTED]	\$1,642,470.71

**NOW - PUBLIC FUNDS-[REDACTED]**

**Account Summary**

Date	Description	Amount
09/01/2022	Beginning Balance	\$2,303,463.41
	2 Credit(s) This Period	\$53,001.05
	1 Debit(s) This Period	\$713,993.75
09/30/2022	Ending Balance	\$1,642,470.71

**Interest Summary**

Description	Amount
Annual Percentage Yield Earned	1.06%
Interest Days	30
Interest Earned	\$2,002.59
Interest Paid This Period	\$2,002.59
Interest Paid Year-to-Date	\$15,643.32

**Other Credits**

Date	Description	Amount
09/07/2022	DEPOSIT	\$50,998.46
09/30/2022	INTEREST	\$2,002.59
		2 item(s) totaling \$53,001.05

**Other Debits**

Date	Description	Amount
09/30/2022	Outgoing Wire 33499 US BANK CT SOUTHEAST WIRE CLEARING 91000022 US BANK MINNESOT	\$713,993.75
		1 item(s) totaling \$713,993.75

**Daily Balances**

Date	Amount	Date	Amount
09/07/2022	\$2,354,461.87	09/30/2022	\$1,642,470.71

**Overdraft and Returned Item Fees**

	Total for this period	Total year-to-date
Total Overdraft Fees	\$0.00	\$0.00
Total Returned Item Fees	\$0.00	\$0.00







COMMONWEALTH of VIRGINIA

Colin M. Greene, MD, MPH  
State Health Commissioner

Department of Health  
P O BOX 2448  
RICHMOND, VA 23218

TTY 7-1-1 OR  
1-800-828-1120

September 30, 2022

Subject: New River Regional Water Authority  
Water: NRRWA Water Plant Expansion

Mr. Zachary L. Slate  
New River Regional Water Authority  
289 Kohler Avenue  
Austinville, VA 24312

Re: Virginia Drinking Water State Revolving Fund  
FY 2022 Bipartisan Infrastructure Law  
(BIL) FY 2022 BIL Decline Acknowledgement

Dear Mr. Slate:

This year, the Virginia Department of Health-Office of Drinking Water (VDH) Drinking Water State Revolving Fund received 132 applications exceeding \$887,000,000 to address public health needs and failing infrastructure. The Virginia Department of Health has received the New River Regional Water Authority's application for FY 2022 Bipartisan Infrastructure Law for the NRRWA Water Plant Expansion Project. The Virginia Department of Health-Office of Drinking Water, Financial and Construction Assistance Program is declining to award an offer of financial assistance through the Fiscal Year 2022 Bipartisan Infrastructure Law Drinking Water Construction Assistance Program. The NRRWA Water Plant Expansion Project failed to score a sufficient amount of points to be included in the Proposed Project Priority List for FY 2022 BIL funding.

VDH received many applications for well deserving projects. Applicants were ranked into a Project Priority List that ensures that all eligible Acute, Chronic Health/Safe Drinking Water Act compliance or public health projects are considered before any other eligible project. Unfortunately there are insufficient funds available to make awards to every project and we must limit the number of projects we can finance during the FY 2022 BIL funding cycle.

The Financial and Construction Assistance Program protects public health by providing financial assistance to eligible waterworks to achieve compliance with the Safe Drinking Water Act



(SDWA) and the *Virginia Waterworks Regulations* and construct improvements that enhance a waterworks overall sustainability.

As administrator of the BIL funds, VDH must determine the best use of funds in accordance with EPA requirements and maximize the public health benefits achieved under this program throughout the Commonwealth. It is incumbent upon every waterworks owner to ensure continued compliance with the Safe Drinking Water Act.

Thank you for your interest in our program and we hope that you will continue to consider the assistance our program provides in the future. Please contact me at (804) 864-7201 or at [kelly.ward@vdh.virginia.gov](mailto:kelly.ward@vdh.virginia.gov), if you have any questions.

Sincerely,

DocuSigned by:  
Kelly Ward  
BC1C79E9EDA547F...

Kelly Ward, Director  
Financial and Construction Assistance  
Program

Cc: Barry Matthews, CPG, Division Director, TCDO  
Keith Kornegay, PE, Project Team Leader, LFO  
Brad Humphrey, FCAP Project Manager  
Brian Blankenship, PE, ODW AFO Field Director  
C. Elvin Peed, Project Manager Peed and Bortz, LLC  
Joseph Bergeron, VRA

## Superintendent Notes

### 1. Expansion

- a. FCPS Test Data needed
- b. Dewatering: Centrifuge pilot test October 17<sup>th</sup>, 2022. Our cost will be generator, pump rental, and a roll off dumpster.

### 2. Maintenance

- a. Cyber Security: Cybersecurity & Infrastructure Security Agency (CISA) services began on 8/30/22.
  - i. Consulting with Twin Co. Tech for repairs.
  - ii. Contacted VDH-ODW about federal cybersecurity grants – sent information to Central Office.
- b. Raw flow meter out – lightning damage AMR onsite 8/12/22 - meter and meter converter are out. Estimate: \$14,973.50
- c. McCraw to hauled silt 10/4
- d. Organizing: Filter Room, Garage, removed old paint cans, etc.
- e. Sodium Hypochlorite feed line adding feed water
- f. Raw Pump 2 pulled September 21, 2022
- g. Repaired door locks
- h. Repaired fluoride transfer pump

### 3. Other

- a. Job Posted – September 1<sup>st</sup>
  - i. Applications: Trainee and Class 2
  - ii. Interview on 10/13/22
  - iii. Class 2 applicant offered position.
- b. Research: Hydrogen peroxide in place of Sodium Permanganate – Contacted vendor to learn – Vendor turned down. Looking into ultrasonic options.
- c. Greg Porter passed the VA Waterworks Class 2 exam!
- d. WCC Class: October 26th-29th
- e. Operators Meeting – Agenda: Disinfection Byproducts (DBPs), Lots Gap Tank - Operational Changes, Cybersecurity
- f. A/V improvements for conference room – What would you like?



Sodium Permanganate		
Cost per year		
2016	\$	31,224
2017	\$	14,688
2018	\$	24,740
2019	\$	32,028
2020	\$	22,313
2021	\$	13,770
2022	\$	18,078

Chemical	Previous	Current	Other Supplier	Unit
Hydrogen Peroxide 35%		\$ 0.35	\$ 0.55	lb.
		\$ 3,723	\$ 5,850	order
Sodium Permanganate 20%	\$ 1.20	\$ 1.68	\$ 2.48	lb.
	\$ 12,764	\$ 17,870	\$ 26,380	order
Ultrasonic Algae				\$ 3,200
				ea.

10,637 lbs.

10,637 lbs.

3 yr. warranty

New River Regional Water Treatment Facility  
Capacity Allocation

**Allocated Capacity**

Allocation %  
Avg Daily Capacity  
80% of Allocation

Carroll
24.4%
<b>0.976 MGD</b>
0.781 MGD

Wytheville
37.8%
<b>1.512 MGD</b>
1.210 MGD

Wythe County
37.8%
<b>1.512 MGD</b>
1.210 MGD

NRRWA Plant Total
100.0%
<b>4.0 MGD</b>
3.2 MGD

**Capacity Used per month**

2022
Month
January
February
March
April
May
June
July
August
September
October
November
December

Carroll County		
Avg MGD	% Capacity	% Allocation
0.555	13.9%	56.9%
0.639	16.0%	65.5%
0.571	14.3%	58.5%
0.614	15.3%	62.9%
0.587	14.7%	60.1%
0.634	15.8%	65.0%
0.621	15.5%	63.6%
0.626	15.6%	64.1%
0.632	15.8%	64.7%
0.000		
0.000		
0.000		

Town of Wytheville		
Avg MGD	% Capacity	% Allocation
1.085	27.1%	71.8%
1.059	26.5%	70.0%
1.068	26.7%	70.6%
1.116	27.9%	73.8%
1.089	27.2%	72.0%
1.104	27.6%	73.0%
1.178	29.4%	77.9%
<b>1.260</b>	31.5%	83.3%
1.131	28.3%	74.8%
0.000		
0.000		
0.000		

Wythe County		
Avg MGD	% Capacity	% Allocation
0.644	16.1%	42.6%
0.783	19.6%	51.8%
0.527	13.2%	34.8%
0.770	19.2%	50.9%
0.608	15.2%	40.2%
0.641	16.0%	42.4%
0.651	16.3%	43.1%
0.562	14.0%	37.2%
0.711	17.8%	47.1%
0.000		
0.000		
0.000		

NRRWA Plant Total	
Avg MGD	% Capacity
2.284	57.1%
2.481	62.0%
2.166	54.1%
2.499	62.5%
2.284	57.1%
2.380	59.5%
2.449	61.2%
2.447	61.2%
2.474	61.8%
-	
-	
-	



Total Production									
2022	NRRWA	%	Wytheville	%	Wythe Co.	Carroll Co.	Total	Avg/Day	%
Jan	73.95 MG	3	77.27 MG	-5	3.07 MG	2.73 MG	157.02 MG	5.23 MG	-1.2
Feb	68.87 MG	3	70.09 MG	-2	2.30 MG	2.74 MG	144.00 MG	4.80 MG	-0.5
Mar	72.27 MG	-3	74.92 MG	-9	2.45 MG	2.90 MG	152.54 MG	5.08 MG	-6.5
Apr	68.38 MG	5	71.05 MG	-4	2.66 MG	2.70 MG	144.79 MG	4.83 MG	-0.2
May	71.41 MG	-1	72.96 MG	-6	1.80 MG	2.82 MG	148.99 MG	4.97 MG	-4.1
Jun	73.36 MG	4	75.63 MG	-3	1.59 MG	2.58 MG	153.16 MG	5.11 MG	-0.8
July	76.54 MG	12	80.94 MG	5	1.59 MG	2.57 MG	161.64 MG	5.39 MG	6.8
Aug	74.77 MG	3	82.37 MG	4	1.69 MG	2.85 MG	161.68 MG	5.39 MG	2.2
Sept	71.84 MG	6	78.24 MG	5	1.41 MG		151.49 MG	5.05 MG	1.9
Oct									
Nov									
Dec									
<b>Total</b>	<b>651.4 MG</b>		<b>683.5 MG</b>		<b>18.56 MG</b>	<b>21.89 MG</b>	<b>1,375.30 MG</b>	<b>3.77 MG</b>	