

NLRWU COMMITTEE MEETING

MEETING DATE APRIL 15, 2025





**AGENDA FOR
NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE
MEETING**

RE: Committee Meeting
PLACE: Faulkner Lake Treatment Plant Admin Conference Room
7400 Baucum Pike, North Little Rock, Arkansas 72117
DATE: April 15, 2025
TIME: 12:15 PM

- (1) ROLL CALL OF THE COMMITTEE MEMBERS
- (2) APPROVAL OF THE MINUTES OF THE MARCH 11, 2025, MEETING
- (3) FINANCIAL REPORT FOR MARCH 2025
- (4) LEVEY/PERSHING AREA CIPP 2023 COLLECTION SYSTEM RENEWAL
- (5) MURPHY DRIVE PUMP STATION GENERATOR UPGRADE
- (6) ANNUAL REPORT
- (7) NORTH LITTLE ROCK WASTEWATER FACILITY PLAN 2027-2031
- (8) ADMINISTRATION HOURS
- (9) 2024 AUDIT REPORT



(1)

ROLL CALL of the COMMITTEE MEMBERS

MR. KENNETH MATTHEWS
MR. GABE STEPHENS
MS. KAREN BRYANT
MR. ED NELSON
MS. MARIE HOLLOWELL

(2)

NEW BUSINESS

ACTION REQUESTED:

Approval of the Minutes of the March 11, 2025, Committee Meeting.

NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE

MINUTES OF A MEETING HELD TUESDAY, MARCH 11, 2025

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, March 11, 2025, in the administrative offices located at 7400 Baucum Pike, North Little Rock, Arkansas 72117.

The meeting was called to order by Chairman Matthews at 12:10 p.m. The roll was called and a quorum was present. Those in attendance at the meeting were Chairman Matthews, Mr. Ed Nelson, Ms. Karen Bryant and Ms. Marie Hollowell. Also in attendance were Mr. Michael Clayton, Director, Ms. Shelley Cline, Director of Finance, Ms. Toni Martin, Human Resources Administrator, Mr. Sam Hilburn and Mr. Scott Hilburn with Hilburn & Harper, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its February 11, 2025 meeting. There being no questions or comments, a motion was made by Ms. Hollowell, seconded by Ms. Bryant, to approve the minutes of the February 11, 2025 meeting as submitted. The motion carried unanimously.

The Committee then reviewed the financial report for February 2025. Mr. Nelson noted that the income earned on certificates of deposit was less due to the downward trend in interest rates. Director Clayton then explained the new look of the financial report. He explained that they have redone the way the report is formatted which will clean up the overall look of the report. The revenue portion of the report has not changed but the expenses are now listed by categories and not crews. He went on to add that this new format will help with future financing for bond issues and new projects. A motion was then made by Mr. Nelson, seconded by Ms. Holder, to approve the Financial Report for the month of February 2025. The motion carried unanimously.

The staff obtained quotes from three vendors for the Burns Park West Lift Station upgrade. This project involves redirecting flow from the Burns Park East Lift Station (which was damaged during the recent tornado) to the Burns Park West Lift Station and subsequently abandoning the Burns Park East Lift Station. The Burns Park West Lift Station will be upgraded to accommodate the increased flow. The lowest cost proposal was submitted by Instrument and Supply, Inc. in the amount of \$64,216.00 and the work will be performed by in-house staff. A motion was made by Ms. Bryant, seconded by Mr. Nelson, to authorize the staff to purchase upgrades to Burns Park West Lift Station from Instrument and Supply, Inc. in the amount of \$64,216.00. The motion carried unanimously.

Director Clayton advised the Committee that the Utility has two (2) vehicles it would like to auction, a 2006 Ford Taurus in the Administration Department and a 2012 Jeep Liberty in the Treatment Department. Both departments have already received replacement vehicles that are sufficient to the needs of that department and will incur no additional costs to the Utility. The vehicles will be auctioned through govdeals.com, a site used by municipalities to sell inventory. A motion was made by Mr. Nelson, seconded by Ms. Bryant, to authorize the staff to auction the 2006 Ford Taurus (Unit 86) and the 2012 Jeep Liberty (Unit 108). The motion carried unanimously.

Director Clayton informed the Committee that the Utility is currently in the fourth year of a five-year rate adjustment plan. In preparation for necessary repairs and improvements to maintain and enhance the sanitary sewer system's efficiency, Director Clayton outlined seven proposed projects with an estimated cost of \$157,000,000 over a seven-year period. These projects will be a key factor in evaluating wastewater rates for the next five-year cycle.

A motion was made by Mr. Nelson, seconded by Ms. Hollowell, to excuse the absence of Mr. Stephens from the March meeting. The motion carried unanimously.

There being no further action to come before the Committee, a motion was made by Mr. Nelson to adjourn the meeting. The motion carried unanimously, and the meeting was adjourned at approximately 12:50 p.m.

APPROVED AS TO FORM:

RESPECTFULLY SUBMITTED,

K. W. MATTHEWS, CHAIRMAN

**GABE STEPHENS, VICE-CHAIRMAN/
SECRETARY**

(3)

FINANCIAL REPORT – MARCH 2025

ACTION REQUESTED:

Approve the Financial Report for the month of March 2025.

North Little Rock Wastewater
Balance Sheet
3/31/2025

Assets	
Current Assets	
Petty Cash	\$500.00
Cash in Bank	\$7,048,337.64
Certificates of Deposit	\$16,615,254.36
Treasury Bills	\$6,051,643.06
ADFA Holding Accounts	\$2,203,823.97
Accounts Receivable	\$2,755,628.24
Accrued Interest Receivable	\$278,211.53
On-Site Inventory	\$41,718.03
Prepaid Property / Liability Insurance	\$139,955.21
Prepaid Workers Compensation Insurance	\$45,164.32
Other Prepaid Expenses	\$117,551.80
Utility Deposits - Entergy	\$83,750.50
Total Current Assets	<u>\$35,381,538.66</u>
Property, Plant, and Equipment	
Land	\$3,996,181.13
Pumping Station Structures	\$12,179,849.68
Sewer System Lines	\$113,864,922.25
Treatment Plant Structures	\$80,982,847.80
Administration, Maintenance, and Engineering Buildings	\$4,355,530.91
Laboratory Building	\$1,254,292.63
Sewer System Equipment	\$15,681,157.77
Estimated Value of Old Sewer Lines	\$5,081,361.47
Capital Improvement Plan	\$6,505,769.70
Accumulated Depreciation	<u>(\$102,513,175.17)</u>
Total Property, Plant, and Equipment	<u>\$141,388,738.17</u>
Other Assets	
Rixie OM&R Receivable	\$157,152.82
Deferred Outflows Related to Pension	\$3,310,065.00
Total Other Assets	<u>\$3,467,217.82</u>
Total Assets	<u><u>\$180,237,494.65</u></u>

North Little Rock Wastewater
Balance Sheet
3/31/2025

Liabilities	
Current Liabilities	
Accounts Payable	\$48,907.01
Note Payable - Gravel Ridge	\$73,560.51
Note Payable - Franchise Fees	\$196,480.54
Note Payable - Eureka Gardens	\$3,100.01
Accrued Sick Leave	\$714,571.17
Accrued Vacation Leave	\$284,145.82
Accrued Payroll Taxes	\$133.74
Accrued Employee Benefits	(\$2,821.41)
Accrued Interest Expense	\$326,429.89
Accrued Pension Plan Contribution	\$226,250.01
Total Current Liabilities	<u>\$1,870,757.29</u>
Other Liabilities	
Bonds Payable - Series 2008	\$5,721,828.57
Bonds Payable - Series 2012	\$12,715,897.13
Bonds Payable - Series 2016	15,339,945.43
Bonds Payable - Series 2021	\$6,477,352.66
Reserve for Bio-Solid Disposal	\$1,168,750.00
OPEB Obligation - GASB 45	\$143,914.00
Net Pension Liability	\$2,943,891.00
Deferred Inflows Related to Pensions	\$1,376,528.00
Total Other Liabilities	<u>\$45,888,106.79</u>
Equity	
Contributed Capital	\$30,110,329.51
Donated Capital	\$17,727,878.80
Retained Earnings	\$81,148,931.32
Current Year Net Income (Loss)	\$3,491,490.94
Total Equity	<u>\$132,478,630.57</u>
Total Liabilities and Equity	<u>\$180,237,494.65</u>

North Little Rock Wastewater
Income Statement - Budget vs Actual
For the Three Months Ending Monday, March 31, 2025

	YEAR TO DATE BUDGET	YEAR TO DATE 2025	AMOUNT DIFFERENCE
Revenue			
Operating Revenue			
Inside NLR Service Charges	\$4,662,500.01	\$4,680,538.24	(\$18,038.23)
Outside NLR Service Charges	\$1,023,875.01	\$1,060,519.99	(\$36,644.98)
Mauumelle Service Charges	\$1,085,499.99	\$1,093,165.34	(\$7,665.35)
Sherwood Treatment Charges	\$144,000.00	\$146,304.00	(\$2,304.00)
Customer Service Charges	\$0.00	\$7,067.26	(\$7,067.26)
Service Charge Refund	\$0.00	(\$4,141.48)	\$4,141.48
Industry Regular Charges	\$525,624.99	\$508,740.05	\$16,884.94
Industry Surcharge / Penalty Charges	\$68,750.01	\$73,456.64	(\$4,706.63)
Industry Late Fee Charges	\$5,000.01	\$2,419.97	\$2,580.04
Late Fee Charges - Residential and Commercial	\$100,005.51	\$122,161.37	(\$22,155.86)
Tie-on Fee Charges	\$0.00	\$1,602.72	(\$1,602.72)
Connection Inspection Permits	\$7,500.00	\$16,125.00	(\$8,625.00)
Partial Inspection Permits	\$0.00	\$180.00	(\$180.00)
Tap and Street Cutting Permits	\$2,750.01	\$6,300.00	(\$3,549.99)
Review Plans and Specifications	\$2,499.99	\$2,197.00	\$302.99
Total Operating Revenue	\$7,628,005.53	\$7,716,636.10	(\$88,630.57)
Non-Operating Revenue			
Interest Earned Income - Securities			
Interest Earned Income - Checking	\$187,500.00	\$236,418.22	(\$48,918.22)
Discounts Earned	\$15,000.00	\$24,446.37	(\$9,446.37)
Miscellaneous Income	\$0.00	\$46.19	(\$46.19)
Miscellaneous Income	\$0.00	\$1,200.00	(\$1,200.00)
Total Non-Operating Revenue	\$202,500.00	\$262,110.78	(\$59,610.78)
Total Revenue	\$7,830,505.53	\$7,978,746.88	(\$148,241.35)

	YEAR TO DATE BUDGET	YEAR TO DATE 2025	AMOUNT DIFFERENCE
Operating Expenses			
Salaries and Wages	\$1,602,159.84	\$1,356,748.69	\$245,411.15
Fringe Benefits	\$254,849.40	\$269,977.79	(\$15,128.39)
Materials and Supplies	\$14,374.98	\$7,681.21	\$5,644.91
Transportation	\$153,969.06	\$80,457.60	\$73,511.46
Utilities	\$372,000.00	\$305,099.11	\$66,900.89
Maintenance and Repairs	\$33,749.94	\$25,769.64	\$7,980.30
Chemical and Treatment Supplies	\$63,219.00	\$27,542.83	\$32,371.58
Contract Services	\$282,500.01	\$172,103.86	\$106,477.14
Equipment and Tools	\$279,246.45	\$187,131.20	\$92,115.25
Administrative	\$351,249.99	\$291,457.00	\$59,792.99
Waste Disposal	\$249,999.99	\$16,443.47	\$241,828.98
Miscellaneous Expenses	\$68,305.80	\$17,966.55	\$50,339.25
Pension	\$241,250.01	\$227,652.51	\$13,597.50
Total Operating Expenses	\$3,966,874.47	\$2,986,031.46	\$980,843.01
Non-Operating Expenses			
Interest on Bonds	\$216,075.00	\$173,612.16	\$42,462.84
Total Non-Operating Expenses	\$216,075.00	\$173,612.16	\$42,462.84
Total Expenses	\$4,182,949.47	\$3,159,643.62	\$1,023,305.85
Net Income (Loss) Before Other Income (Expenses)	\$3,647,556.06	\$4,819,103.26	(\$1,171,547.20)
Depreciation Expense	(\$1,404,749.97)	(\$1,327,612.32)	(\$77,137.65)
Emergency Repairs	(\$249,999.99)	\$0.00	(\$249,999.99)
GASB OPEB Obligation	(\$8,250.00)	\$0.00	(\$8,250.00)
Net Income (Loss) After Other Income (Expenses)	(\$1,662,999.96)	(\$1,327,612.32)	(\$335,387.64)
Net Income (Loss)	\$1,984,556.10	\$3,491,490.94	(\$1,506,934.84)

North Little Rock Wastewater
Income Statement
For the Three Months Ending Monday, March 31, 2025

	March 2025	Year To Date 2025	March 2024	Year To Date 2024
Revenue				
Operating Revenue				
Inside NLR Service Charges	\$1,503,689.03	\$4,680,538.24	\$1,354,763.04	\$4,387,585.42
Outside NLR Service Charges	\$351,499.88	\$1,060,519.99	\$300,118.91	\$956,722.01
Maumelle Service Charges	\$347,769.15	\$1,093,165.34	\$299,019.43	\$956,124.76
Sherwood Treatment Charges	\$48,768.00	\$146,304.00	\$43,539.51	\$129,208.15
Customer Service Charges	\$2,412.30	\$7,067.26	\$2,264.24	\$6,791.19
Service Charge Refund	\$0.00	(\$4,141.48)	\$0.00	\$0.00
Industry Regular Charges	\$174,685.86	\$508,740.05	\$161,223.47	\$469,888.68
Industry Surcharge / Penalty Charges	\$24,724.65	\$73,456.64	\$32,270.73	\$81,760.80
Industry Late Fee Charges	\$701.12	\$2,419.97	\$97.43	\$7,599.58
Late Fee Charges - Residential and Commercial	\$42,308.97	\$122,161.37	\$32,614.14	\$107,766.93
Tie-on Fee Charges	\$1,602.72	\$1,602.72	\$26,163.37	\$41,388.37
Connection Inspection Permits	\$8,265.00	\$16,125.00	\$4,135.00	\$11,675.00
Partial Inspection Permits	\$0.00	\$180.00	\$90.00	\$270.00
Tap and Street Cutting Permits	\$2,800.00	\$6,300.00	\$350.00	\$2,800.00
Review Plans and Specifications	\$2,197.00	\$2,197.00	\$2,908.84	\$4,551.47
Total Operating Revenue	\$2,511,423.68	\$7,716,636.10	\$2,259,558.11	\$7,164,132.36
Non-Operating Revenue				
Interest Earned Income - Securities	\$82,788.15	\$236,418.22	\$80,978.79	\$245,854.69
Interest Earned Income - Checking	\$8,928.67	\$24,446.37	\$7,631.03	\$23,508.47
Discounts Earned	\$18.13	\$46.19	\$13.57	\$76.28
Miscellaneous Income	\$0.00	\$1,200.00	(\$75.19)	\$5,700.41
Total Non-Operating Revenue	\$91,734.95	\$262,110.78	\$88,548.20	\$275,139.85
Total Revenue	\$2,603,158.63	\$7,978,746.88	\$2,348,106.31	\$7,439,272.21

North Little Rock Wastewater
Income Statement
For the Three Months Ending Monday, March 31, 2025

	March 2025	Year To Date 2025	March 2024	Year To Date 2024
Operating Expenses				
Salaries and Wages	\$455,026.80	\$1,356,748.69	\$431,152.26	\$1,337,667.57
Fringe Benefits	\$92,474.96	\$269,977.79	\$79,244.09	\$255,489.74
Materials and Supplies	\$6,836.88	\$7,681.21	\$1,592.93	\$8,787.85
Transportation	\$21,310.61	\$80,457.60	\$38,351.36	\$120,504.93
Utilities	\$71,005.16	\$305,099.11	\$131,314.52	\$430,564.42
Maintenance and Repairs	\$21,146.51	\$25,769.64	\$21,932.86	\$72,867.91
Chemical and Treatment Supplies	\$5,259.67	\$27,542.83	\$13,311.03	\$44,495.46
Contract Services	\$43,352.99	\$172,103.86	\$104,622.93	\$168,329.91
Equipment and Tools	\$68,790.28	\$187,131.20	\$105,767.18	\$290,254.06
Administrative	\$112,062.98	\$291,457.00	\$118,819.17	\$300,079.01
Waste Disposal	\$5,603.10	\$16,443.47	\$1,248.80	\$10,162.19
Miscellaneous Expenses	\$7,798.92	\$17,966.55	\$6,742.23	\$26,816.29
Pension	\$75,416.67	\$227,652.51	\$81,333.99	\$224,422.49
Total Operating Expenses	\$986,085.53	\$2,986,031.46	\$1,135,433.35	\$3,290,441.83
Non-Operating Expenses				
Interest on Bonds	\$57,870.72	\$173,612.16	\$74,725.33	\$188,297.25
Total Non-Operating Expenses	\$57,870.72	\$173,612.16	\$74,725.33	\$188,297.25
Total Expenses	\$1,043,956.25	\$3,159,643.62	\$1,210,158.68	\$3,478,739.08
Net Income (Loss) Before Other Income (Expenses)	\$1,559,202.38	\$4,819,103.26	\$1,137,947.63	\$3,960,533.13
Depreciation Expense	(\$443,631.38)	(\$1,327,612.32)	(\$374,253.00)	(\$1,231,478.84)
Net Income (Loss) After Other Income (Expenses)	(\$443,631.38)	(\$1,327,612.32)	(\$374,253.00)	(\$1,231,478.84)
Net Income (Loss)	\$1,115,571.00	\$3,491,490.94	\$763,694.63	\$2,729,054.29

**North Little Rock Wastewater
Cash Flow
3/31/2025**

Cash and Certificate of Deposit Balance as of 03/31/2025	\$ 29,715,235
Add 2025 Net Income	\$ 3,491,491
Add 2025 Depreciation	\$ 1,327,612
Less 2025 Bio-Solid Reserve - Removal	\$ -
Less 2025 Principal Payments on RLF Loans	\$ (1,152,707)
Less Purchase of 2025 Capital Additions	\$ (92,660)
Less 2025 Major Construction Projects	\$ (761,446)
Add Draws from ADFA - RLF Loans	\$ 175,703
Net Cash and Cash Equivalents as of 03/31/2025	<u><u>\$ 32,703,227</u></u>

(4)

Levy/Pershing Area CIPP 2023 Collection System Renewal

On Thursday, March 7, 2025, at 1:00 PM, staff publicly opened bids for the Levy/Pershing Area CIPP 2023 Collection System Renewal project. This project consists of cleaning, televising, and rehabilitating approximately 38,509 linear feet of 6-inch to 15-inch secondary sewer mains using the Cured-In-Place Pipe (CIPP) method. The CIPP method is a trenchless rehabilitation technique that extends the life of existing sewer mains by creating a new, jointless pipe within the existing structure, minimizing excavation and disruption to the surrounding area.

A total of three bids were received and the lowest responsive and responsible bid was submitted by Suncoast Infrastructure, LLC in the amount of \$2,205,160.00. Staff has reviewed the bid for accuracy and compliance with project requirements. A copy of the full bid tabulation is attached for reference.

ACTION REQUESTED:

Authorize staff to proceed with awarding the construction contract for the Levy/Pershing Area CIPP 2023 Collection System Renewal to Suncoast Infrastructure, LLC in the amount of \$2,205,160.00.



Bid Tabulation Sheet
Levy/Pershing Area CIPP 2023 Collection System Renewal
North Little Rock Wastewater Utility

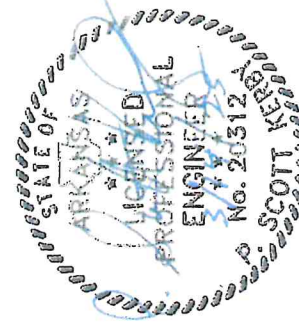
Page 1 of 1

Bid Opening on March 7, 2025 at 1:00 PM

Item No.	Description	Units	Quantity	Bidulium Technologies, LLC Unit Price	Amount	SAK Construction, LLC Unit Price	Amount	Suncoast Infrastructure, Inc. Unit Price	Amount
1	Mobilization	L.S.	1	\$125,000.00	\$ 125,000.00	70,000.00	\$ 70,000.00	\$5,825.00	\$ 5,825.00
2	Performance and Payment Bond	L.S.	1	\$8,500.00	\$ 8,500.00	16,700.00	\$ 16,700.00	\$ 1,500.00	\$ 1,500.00
3	Certificates and Insurance	L.S.	1	\$25,000.00	\$ 25,000.00	28,500.00	\$ 28,500.00	\$ 1,500.00	\$ 1,500.00
4	6" X 4.5 mm CIPP, complete in place	L.F.	1,174	\$42.00	\$ 49,308.00	45.75	\$ 53,710.50	\$ 41.00	\$ 48,134.00
5	8" X 6.0 mm CIPP, complete in place	L.F.	22,987	\$45.00	\$ 1,034,415.00	42.75	\$ 982,884.25	\$ 43.00	\$ 986,441.00
6	10" X 6.0 mm CIPP, complete in place	L.F.	4,833	\$52.00	\$ 251,316.00	45.50	\$ 219,001.50	\$ 46.00	\$ 231,984.00
7	12" X 6.0 mm CIPP, complete in place	L.F.	7,587	\$61.00	\$ 463,417.00	59.75	\$ 453,820.75	\$ 57.00	\$ 433,029.00
8	15" X 9.0 mm CIPP, complete in place	L.F.	1,918	\$89.00	\$ 170,702.00	98.00	\$ 187,984.00	\$ 76.00	\$ 145,768.00
9	4" Service Replacement (Machine Dig) 0-5' depth	Each	10	\$2,025.00	\$ 20,250.00	8,438.00	\$ 84,380.00	\$ 1,110.00	\$ 11,100.00
10	4" Service Replacement (Machine Dig) greater than 6' depth	V.F.	100	\$220.00	\$ 22,000.00	1,000.00	\$ 100,000.00	\$ 140.00	\$ 14,000.00
11	4" Service Reinstatement (Hand Dig) 0-6' depth	Each	2	\$2,650.00	\$ 5,300.00	13,400.00	\$ 26,800.00	\$ 2,400.00	\$ 4,800.00
12	4" Service Reinstatement (Hand Dig) greater than 6' depth	Each	10	\$110.00	\$ 1,100.00	1,000.00	\$ 10,000.00	\$ 190.00	\$ 1,900.00
13	4" Service Line-Additional Footage	L.F.	100	\$22.00	\$ 2,200.00	150.00	\$ 1,500.00	\$ 20.00	\$ 2,000.00
14	Pavement Restoration for Service Reconstructions	S.Y.	50	\$132.00	\$ 6,600.00	181.00	\$ 8,050.00	\$ 120.00	\$ 6,000.00
15	Internal Service Reinstatement (CIPP)	Each	335	\$75.00	\$ 25,125.00	100.00	\$ 33,500.00	\$ 1.00	\$ 335.00
16	Point Repair (Paved Areas) 0-6' depth	Each	10	\$4,000.00	\$ 40,000.00	8,634.00	\$ 86,340.00	\$ 4,250.00	\$ 42,500.00
17	Point Repair (Paved Areas) greater than 6' depth	V.F.	100	\$150.00	\$ 15,000.00	1,000.00	\$ 100,000.00	\$ 150.00	\$ 15,000.00
18	Class 7 material compacted backfill in trench for Paved Reconstructions or Repairs	Tons	100	\$85.00	\$ 8,500.00	112.00	\$ 11,200.00	\$ 75.00	\$ 7,500.00
19	Point Repair (Non-Paved Areas) 0-6' depth	V.F.	100	\$3,500.00	\$ 35,000.00	7,630.00	\$ 76,300.00	\$ 4,000.00	\$ 40,000.00
20	Point Repair (Non-Paved Areas) greater than 6' depth	V.F.	100	\$60.00	\$ 6,000.00	1,000.00	\$ 100,000.00	\$ 70.00	\$ 7,000.00
21	Replace Concrete Driveway	S.Y.	40	\$155.00	\$ 6,200.00	345.00	\$ 13,800.00	\$ 140.00	\$ 5,600.00
22	Replace Concrete Sidewalk	S.Y.	10	\$145.00	\$ 1,450.00	276.00	\$ 2,760.00	\$ 130.00	\$ 1,300.00
23	Replace Curb and Gutter	L.F.	10	\$20.00	\$ 200.00	330.00	\$ 3,300.00	\$ 110.00	\$ 1,100.00
24	Vegetation Restoration with Solid Sodding and 4" of Topsoil	S.Y.	500	\$80.00	\$ 40,000.00	830	\$ 4,650.00	\$ 18.00	\$ 9,000.00
25	Fence Wall/Wall Removal & Replacement	L.F.	500	\$30.00	\$ 15,000.00	100.00	\$ 3,000.00	\$ 15.00	\$ 7,500.00
26	Remove and Replace Concrete Ditch/Slab	S.Y.	10	\$150.00	\$ 1,500.00	1,880.00	\$ 18,800.00	\$ 140.00	\$ 1,400.00
27	Trench Safety System	L.S.	1	\$2,500.00	\$ 2,500.00	4,400.00	\$ 4,400.00	\$5,000.00	\$ 5,000.00
28	CCTV 6" through 15" Sanitary Sewer Mains for acceptance review	L.F.	38,509	\$0.01	\$ 385.09	1.00	\$ 1.00	\$1.00	\$ 1.00
29	Traffic Control	L.S.	1	\$93,000.00	\$ 93,000.00	43,300.00	\$ 43,300.00	\$32,335.00	\$ 32,335.00
30	Mechanical Cleaning of DIP to remove tuberculation for CIPP Installation	HR	20	\$460.00	\$ 9,200.00	650.00	\$ 13,000.00	\$250.00	\$ 5,000.00
					\$2,531,218.09		\$2,837,470.00		\$2,206,160.00

Bid Rank

ENGINEER:
Scott Kerby, P.E.
North Little Rock Wastewater
7400 Baureum Pltte
North Little Rock, AR 72417



I hereby certify that this is a true and correct copy of bids received on March 7, 2025 at 1:00 PM.

Scott Kerby, P.E.
 North Little Rock Wastewater

Murphy Drive Pump Station Generator Upgrade

On January 9, 2025, NLRW Engineering staff publicly advertised for bids for the *Murphy Drive Pump Station Generator Upgrade* project. However, no contractors submitted bids for the work. In response, staff proceeded to solicit quotes directly from vendors for the purchase and installation of a 200 kW diesel generator with an automatic transfer switch to support emergency operations at the Murphy Drive Pump Station.

This project involves replacing the existing, undersized backup generator with a unit capable of starting and running both pumps simultaneously during a power outage, thereby enhancing system reliability and reducing the risk of overflows or service interruptions during emergency conditions. Staff obtained quotes from three vendors for the generator package. The lowest responsible proposal was submitted by **Cummins Mid-South** in the amount of **\$61,498.00**. The bid summary is as follows:

Provider	Quote
Cummins Mid-South	\$61,498.00
Nixon Power Services	\$80,190.00
Riggs Caterpillar	No price provided

ACTION REQUESTED:

Authorize staff to proceed with the purchase of a 200 kW diesel generator and automatic transfer switch for the Murphy Drive Pump Station from **Cummins Mid-South** in the amount of **\$61,498.00**.

(6)

ANNUAL REPORT

ACTION REQUESTED:

No action required.



North Little Rock Wastewater

Annual Report 2024

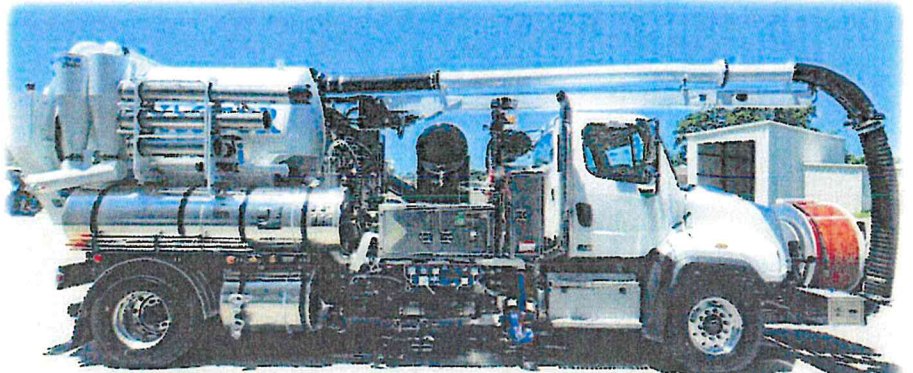
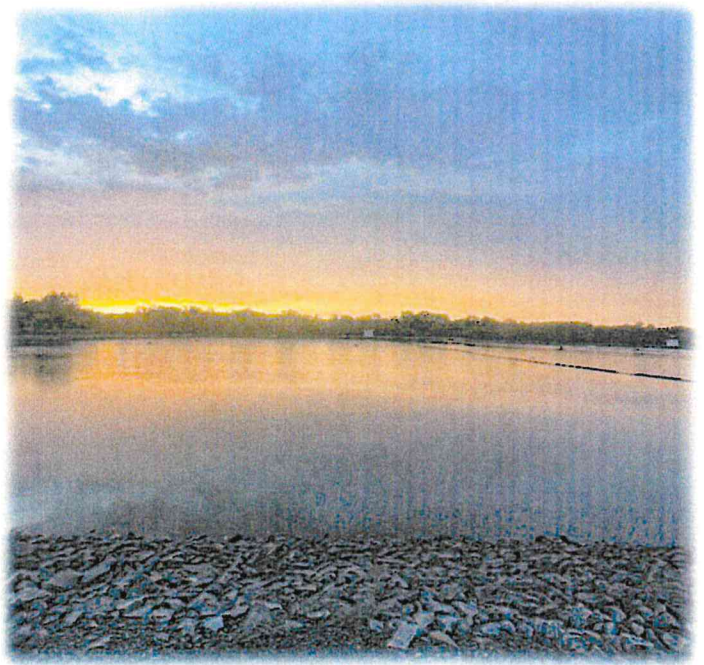
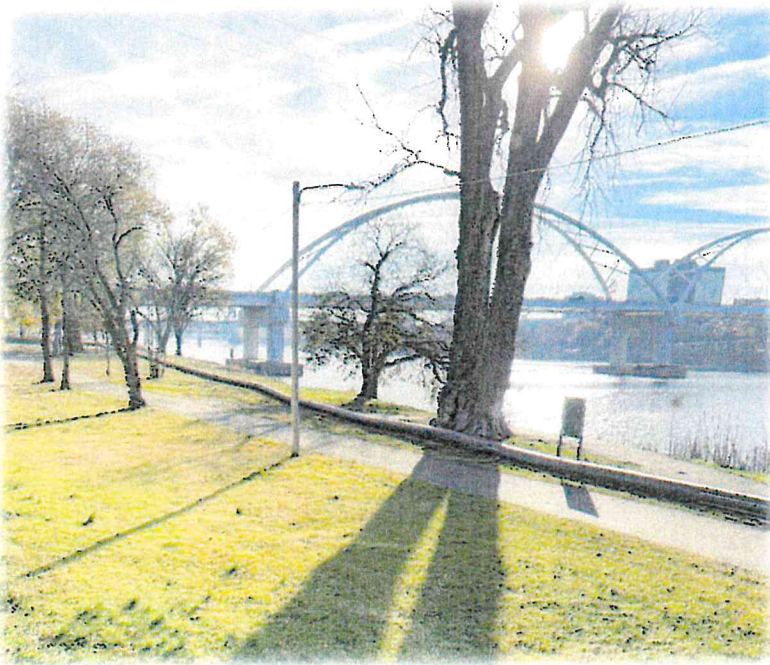


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INTRODUCTION

2024 Annual Report

North Little Rock Wastewater (NLRW)'s mission to build and maintain a safe, effective sewer system began in 1962, when the North Little Rock City Council created a Sewer Department and a Sewer Committee to oversee it. Nearly fifty years later, we were struggling to meet this objective, as Sanitary Sewer Overflows (SSOs) had become common occurrences. The Arkansas Department of Environmental Quality stepped in with a Consent Administrative Order in 2010 requiring that we improve the system – and thanks to the support of the City Council and the community, we improved it so much that we were released from the order early. We strive to continue this betterment so that our community can rely on a safe, effective sewer system for decades to come.

In this report, you can learn about our projects, day-to-day activities, and performance in 2024.

North Little Rock Wastewater

North Little Rock Wastewater (NLRW) is the public wastewater utility serving North Little Rock, Maumelle, much of Sherwood, and parts of Pulaski County. We own, operate, and maintain over 730 miles of public sewer mains, 72 pump stations, and four treatment plants that treat 17.9 million gallons of wastewater per day on average.

Mission Statement

The mission of North Little Rock Wastewater is to provide safe, low cost, high quality sanitary sewer service to the citizens of North Little Rock, Maumelle, portions of Sherwood, and other areas as directed.

The Utility, through its planning, will also support the orderly growth of the community with the overall objective of preserving the health and well-being of the citizens and the environment.

Contact Information

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Address: 7400 Baucum Pike
PO Box 17898
North Little Rock, AR 72117

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ACRONYMS

CIPP	Cured-in-Place Pipe
NLRW	North Little Rock Wastewater
NPDES	National Pollutant Discharge Elimination System
SCADA	Supervisory Control and Data Acquisition
WRF	Water Reclamation Facility

2024 HIGHLIGHTS

Rehabilitation Highlights

Under Construction

Table 1. Collection System Rehabilitation Projects Under Construction in 2024

Project	Sewer Line Type	Linear Feet	Estimated Cost
Broadway Area Pipe Bursting	Secondary Sewers	35,161	\$5,029,653
Levy/Pershing Area Pipe Bursting	Secondary Sewers	44,617	\$5,760,512
Lower Riverside Interceptor CIPP Phase II	54" Interceptor	12,415	9,977,770
Total		92,193	\$20,767,935

Completed

Table 2. Collection System Rehabilitation Projects Completed in 2024

Project	Sewer Line Type	Linear Feet	Approx. Cost
Broadway Area CIPP	Secondary Sewers	37,112	\$2,355,920
Dixie and Baring Cross Basins Pipe Bursting	Secondary Sewers	18,858	\$1,519,120
Upper Riverside Interceptor CIPP Phase II	30" Interceptor	5,824	\$2,082,635
Total		61,794	\$5,957,675

Operations Highlights

General

- Began migrating and separating all aspects of SCADA from any networks connected to the internet for security purposes.
- Purchased 500-kW portable generator as a backup unit for all major sites.

Faulkner Lake WRF

- Completed rehabilitation project to recoat clarifier mechanisms and repair some concrete on all four Primary Clarifiers and Sludge Thickeners #2 & 3.
- Bid out a project to rehabilitate all three Secondary Clarifiers, Chlorine Contact Chambers, Pump Room piping, Chlorine Crane Gantry, and Influent Crane Gantry as well as some assets at White Oak WRF.
- Expanded parts inventory to reduce downtime.
- Integrated lagoon aeration controls into the SCADA system to reduce traffic along the center levee.
- Completed Operations Building sludge pump room improvements.

- Upgraded Operations Building master control panel.
- Removed biosolids from the west lagoon.

White Oak WRF

- Bid project, within the scope of the Faulkner Lake WRF project, to rehabilitate the Chlorine Crane Gantry, Influent Crane Gantry, Generator Housing, and Outdoor Motor Control Center Panels.
- Installed new bar screens and isolation gates at the plant headworks.
- Purchased four additional aerators to expand treatment capacity in anticipation of the additional loading from the future Maumelle diversion.
- Upgraded Pump #1 for the Chlorine Contact Chamber.

Five Mile Creek WRF

- Expanded parts inventory to reduce downtime and preserve peak capacity.
- Removed biosolids from Cell #1 of the Polishing Pond.

Maumelle WRF

- Bid project to repair levee slope and mitigate future erosion.
- Cleared and landscaped North Lagoon to promote maintainability.
- Upgraded comminutor controls and integrated them into SCADA.

Solar Plant

- The Solar Plant produced 1,239,950 Kilowatt-hours in 2024. This averages to 103,329 Kilowatt-hours per month.

Collection System Highlights

- Owned and maintained 667 miles of gravity lines and 66 miles of force mains in 2024.
- Twenty-nine (29) Sanitary Sewer Overflows (SSOs) were reported in 2024. This averages to 4.0 SSOs per 100 miles of pipe.
- Cleaned 1,954,866 linear feet of the gravity collection system in 2024. This was 56% of the 3,521,760 linear feet of active gravity lines in the system.
- Televised 186,780 linear feet of the gravity collection system in 2024. This was 5% of the 3,521,760 linear feet of active gravity lines in the system.

Environmental Compliance Highlights

Table 3. Number of Environmental Compliance Tests and Inspections in 2024

	Monthly Average	Year Total
Laboratory	4,853	58,236
Pretreatment	1,158	13,896

NPDES Permit Compliance Highlights

Table 4. NPDES Permit Violations in 2024

	Faulkner Lake WRF	White Oak WRF	Five Mile Creek WRF	Maumelle WRF
Discharge Violations	0	0	0	0
Water Quality Testing Violations	2	0	0	0

REHABILITATION SUMMARY

Projects Under Construction in 2024

Broadway Area Pipe Bursting

- Contract awarded to Arkansas Cleaning and Televising in September 2023 for \$3,640,045. Change orders increased the contract to \$5,029,653.
- Pipe burst approximately 35,161 linear feet of 6" to 8" secondary sewers.
- Reconnect approximately 425 active services.

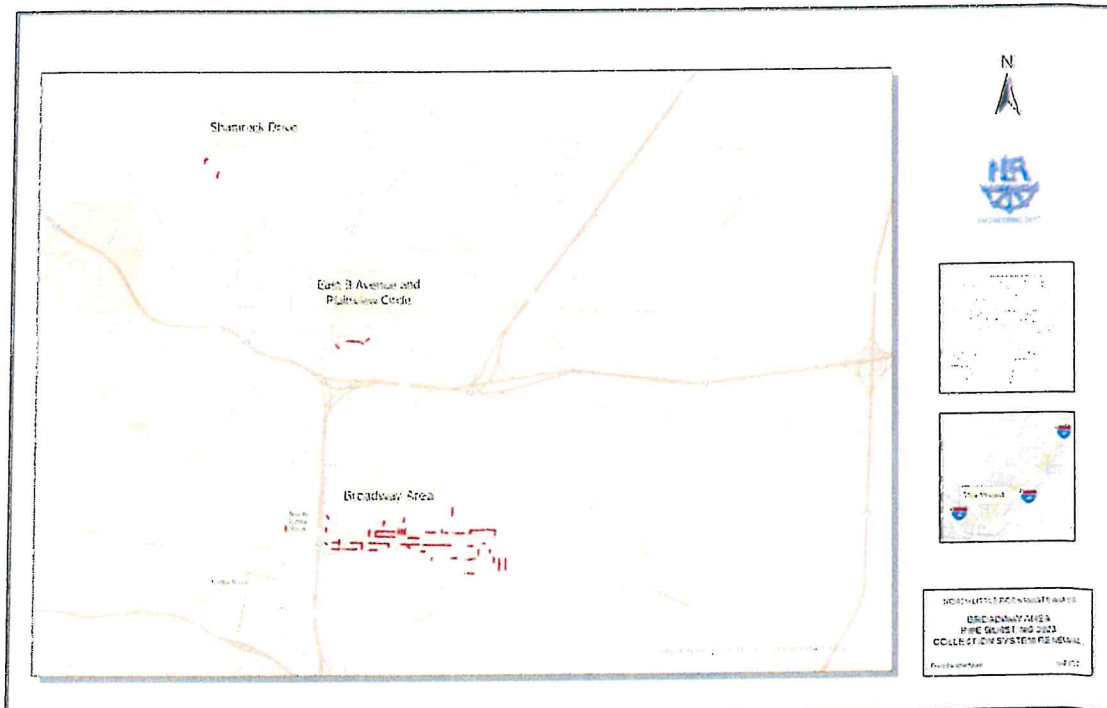


Figure 1. Map of the original scope of Broadway Area Pipe Bursting

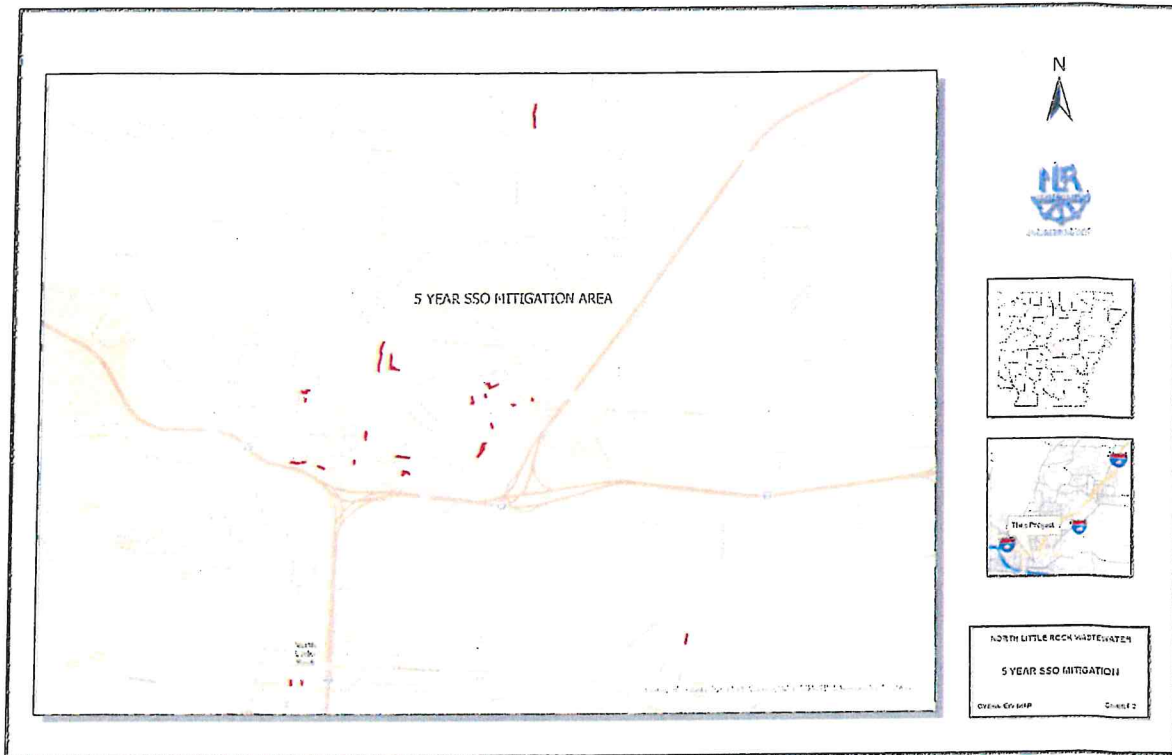


Figure 2. Map of the addition to Broadway Area Pipe Bursting

Levy/Pershing Area Pipe Bursting

- Contract awarded to Arkansas Cleaning and Televising in May 2024 for \$5,760,512.
- Pipe burst approximately 44,617 linear feet of 6" to 10" secondary sewers.
- Reconnect approximately 700 active services.

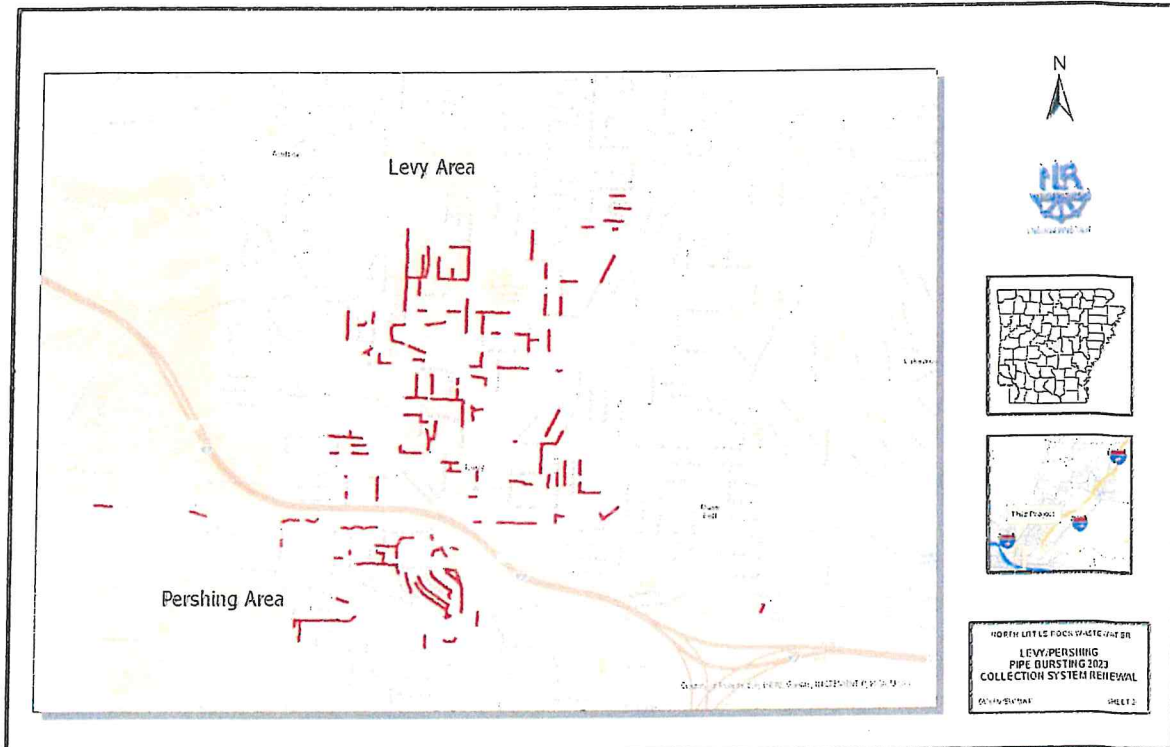


Figure 3. Map of Levy/Pershing Area Pipe Bursting

Lower Riverside Interceptor CIPP Phase II

- Contract awarded to SAK Construction LLC in September 2024 for \$9,977,770.
- Use CIPP to rehabilitate 12,415 linear feet of 54" reinforced concrete pipe.
- Install 7 eight-foot-diameter manholes.

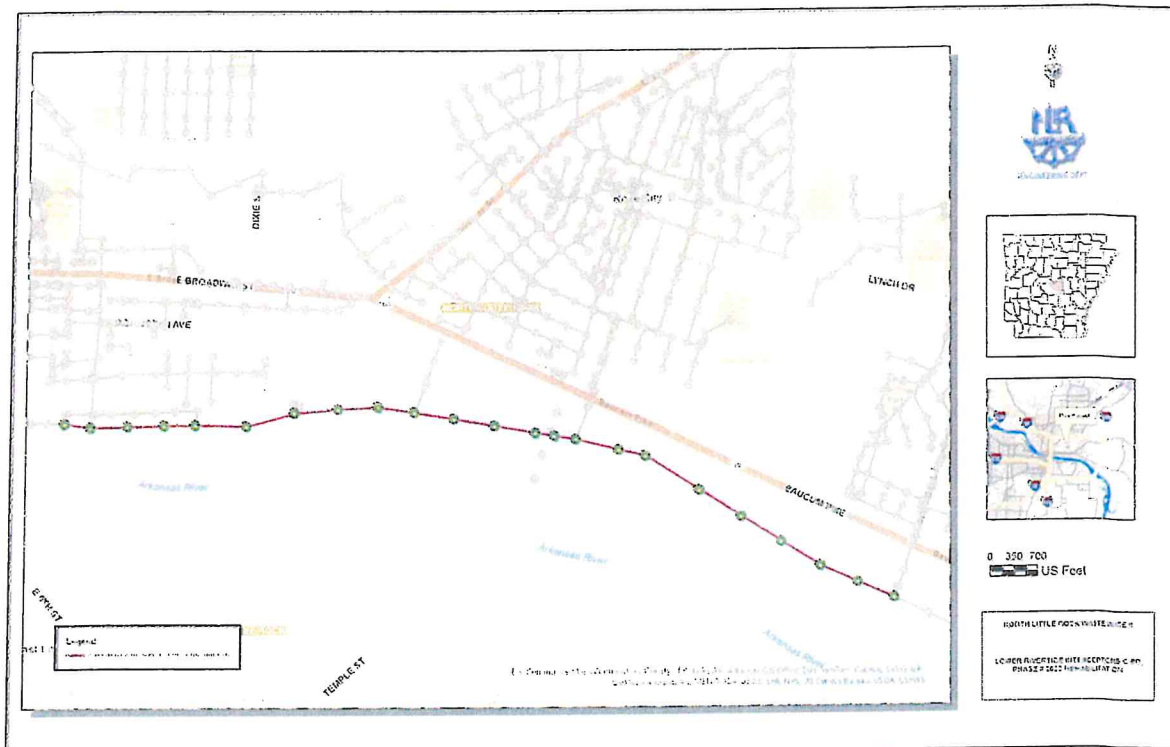


Figure 4. Map of Lower Riverside Interceptor CIPP Phase II

Projects Completed in 2024

Broadway Area CIPP

- Contract awarded to Suncoast Infrastructure Inc. in March 2023 for \$2,518,119. Change orders decreased this amount to \$2,355,920.
- Used CIPP to rehabilitate approximately 37,112 linear feet of 6" to 18" secondary sewers.
- Substantially completed in May 2024.

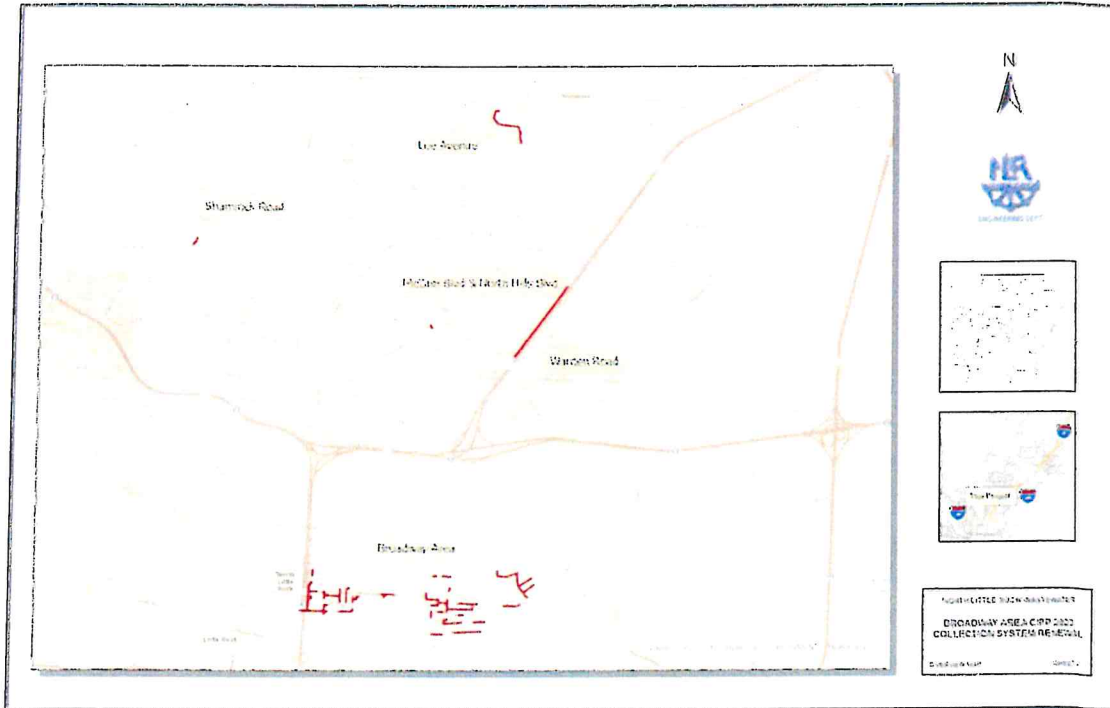


Figure 5. Map of Broadway Area CIPP

Dixie and Baring Cross Basins Pipe Bursting

- Contract awarded to Burkhalter Technologies Inc. in November 2021 for \$1,278,595. Contract closed in February 2024 for \$1,519,120.
- Pipe bursted approximately 18,858 linear feet of 6" and 8" secondary sewers.
- Reconnected approximately 400 active services.



Figure 6. Map of Dixie and Baring Cross Basins Pipe Bursting

Upper Riverside Interceptor CIPP Phase II

- Contract awarded to Insituform Technologies LLC in March 2023 for \$2,082,635.
- Used CIPP to rehabilitate approximately 5,824 linear feet of 30" reinforced concrete pipe.
- Substantially completed in March 2024.

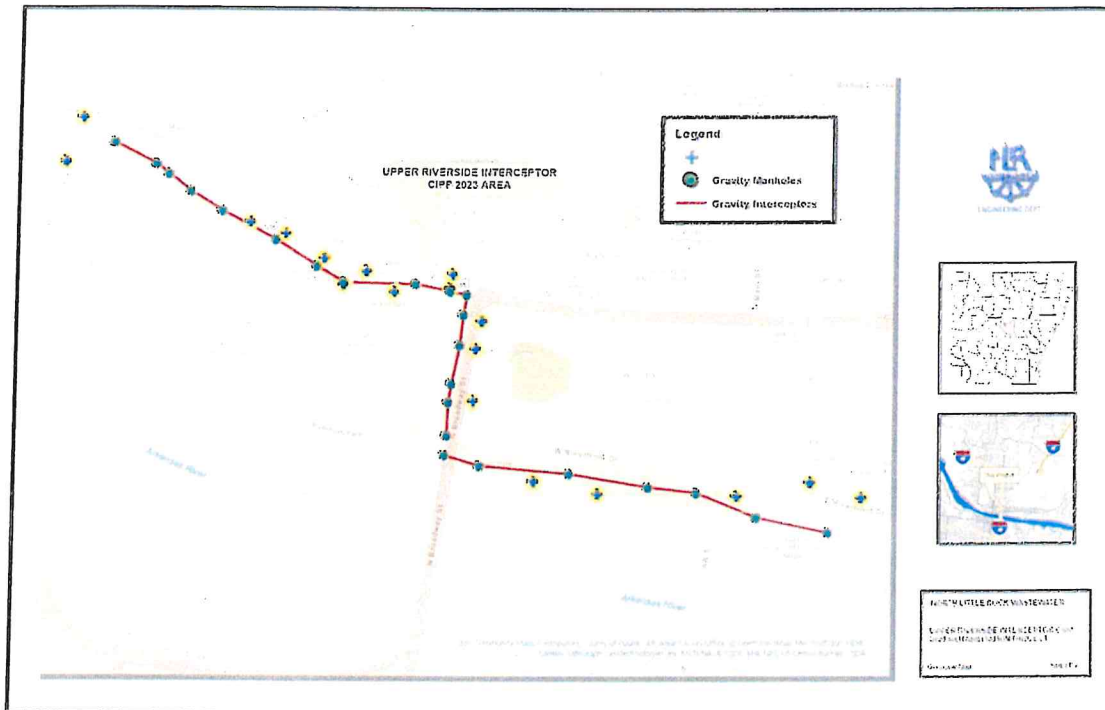


Figure 7. Map of Upper Riverside Interceptor CIPP Phase II

OPERATIONS SUMMARY

Projects

General

- Began an in-house project to migrate and separate all aspects of SCADA from any networks that are connected to the internet for security purposes.
 - SCADA-only workstations were installed at Five Mile Creek, White Oak, and Maumelle WRFs. Mini-PCs were installed for SCADA users at Faulkner Lake WRF to access the system.
 - All industrial equipment – such as Programmable Logic Controllers (PLCs), Variable Frequency Drives (VFD), and Human-Machine Interfaces (HMIs) – at all plants were moved to the isolated network.
 - Remnants of this project bled over into 2025, including migrating the Server, Database, and Alarm Messaging System.
- Purchased a 500-kW portable generator as a backup unit for all major sites.

Faulkner Lake WRF

- Completed a major rehabilitation project to recoat clarifier mechanisms and repair some concrete on all four Primary Clarifiers and Sludge Thickeners #2 & 3.
- Bid out a project to rehabilitate all three Secondary Clarifiers, Chlorine Contact Chambers, Pump Room piping, Chlorine Crane Gantry, and Influent Crane Gantry as well as some assets at White Oak WRF. Work is contracted to begin and finish in 2025.
- Restored capacity of Influent Pumps #3 & 4 with new impellers and wear rings.
- Purchased spare parts for Influent Pumps #3 & 4 to reduce downtime.
- Integrated the lagoon aeration controls into the SCADA system to reduce traffic along the center levee and increase safety.
- Completed Operations Building sludge pump room improvements, including piping and a grinder pump, to address housekeeping, safety, and efficiency issues related to purging air locks and sampling from the sludge feed pumps.
- Upgraded the Operations Building master control panel.
- Removed biosolids from the west lagoon.

White Oak WRF

- Bid a project, within the scope of the Faulkner Lake WRF project, to rehabilitate the Chlorine Crane Gantry, Influent Crane Gantry, Generator Housing, and Outdoor Motor Control Center Panels. The project is contracted to begin and finish in 2025.
- Installed new bar screens and isolation gates at the plant headworks.
- Purchased four additional aerators with associated electrical equipment and controls to expand treatment capacity of each lagoon in anticipation of the additional loading from the future Maumelle diversion. Installation will be completed in 2025.

- Upgraded Pump #1 for the Chlorine Contact Chamber to a direct-drive unit manufactured by Summit Pumps. The failed pump was original to the plant in 1978.

Five Mile Creek WRF

- Purchased spare parts for Large Influent and Effluent Pumps 3 & 4 to reduce downtime and preserve peak capacity.
- Removed biosolids from Cell #1 of the Polishing Pond.

Maumelle WRF

- Bid a project to repair the levee slopes and mitigate future erosion at the Maumelle South Equalization Pond. Awarded the contract, but the project is delayed until summer of 2025 due to delay in receiving a construction permit.
- Removed heavy vegetation from and landscaped North Lagoon to promote maintainability.
- Upgraded the comminutor controls and integrated them into SCADA.

Maintenance by Month

January

- Maumelle WRF – A tee failed on the Return Activated Sludge force main and was replaced using in-house resources.
- Maumelle WRF – The lagoon pump discharge piping froze and failed under extreme cold temperatures. In-house repairs were successful.

February

- Five Mile Creek WRF – The Influent Automatic Transfer Switch controller failed and was replaced.
- Solar Plant – Four tracking units at the solar plant failed and were replaced to restore capacity.

March

- Five Mile Creek WRF – An access road was installed from the SE corner of the polishing pond to the solar plant road to accommodate sludge removal contractors.
- Faulkner Lake WRF – Repaired Influent Variable Frequency Drive (VFD) #1.

April

- Maumelle WRF – Repaired Effluent Variable Frequency Drive (VFD) #1.

May

- Maumelle WRF – Comminutor #2 was repaired and placed back into service.
- White Oak WRF – Chlorine Pump #2 failed and was pulled for repairs.

*June**July*

- Five Mile Creek WRF – Influent Pump #2 failed and was pulled for repairs.
- White Oak WRF – Completed repairs on and reinstalled Chlorine Pump #2.

August

- Solar Plant – Inverter #1 failed.
- White Oak WRF – The Influent Flow Meter failed and was replaced with a spare unit from inventory.

September

- Five Mile Creek WRF – The communication cable between the plant operator's office and the influent building failed and was replaced and upgraded to fiber optic.
- Solar Plant – Replaced circuit breaker for Inverter #1.
- White Oak WRF – Fabricated and installed conveyor chute extension to improve efficiency in conveying screened materials into the dumpster.

October

- Faulkner Lake WRF – Installed fiber optic cable between Gate #1 and the Administration Building for communications.
- Faulkner Lake WRF – Influent pump #3 failed and was pulled for repairs.

November

- Five Mile Creek WRF – Completed repairs on and reinstalled Influent Pump #2.

December

- Solar Plant – Replaced Inverter #1, restoring capacity of the facility.

Solar Energy Production

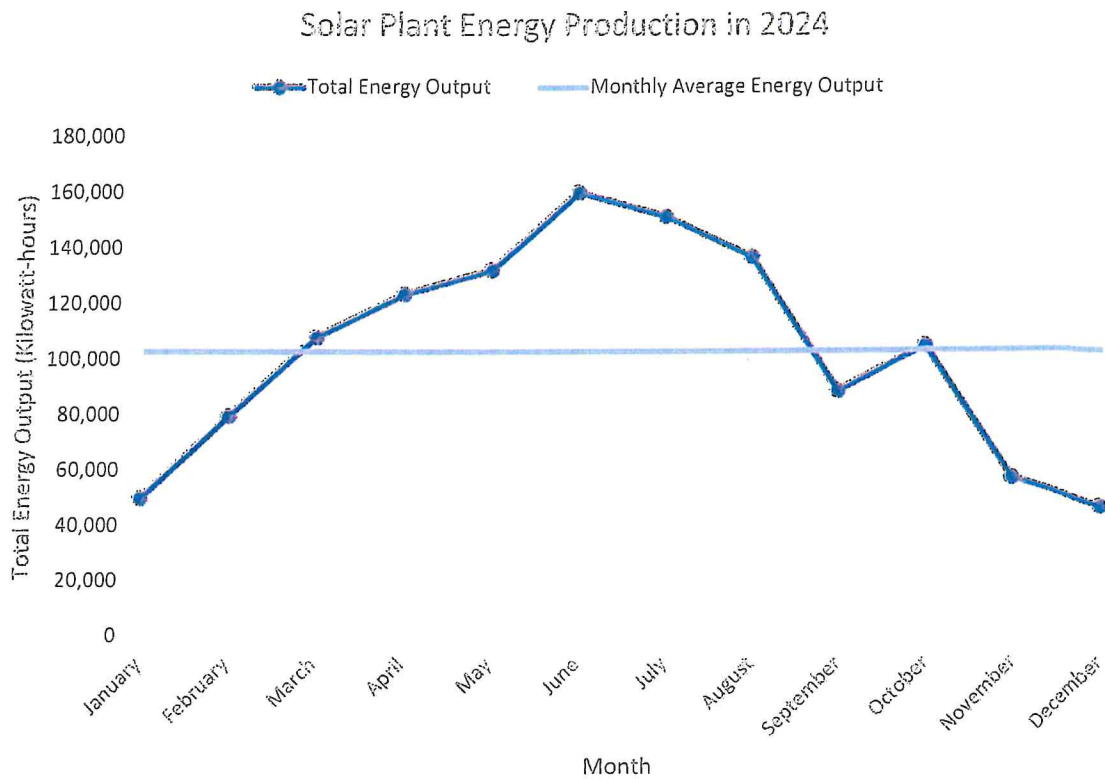


Figure 8. Solar Plant Energy Production in 2024

Table 5. Solar Plant Energy Production in 2024

Month	Total Energy Output (Kilowatt-hours)
January	50,100
February	79,730
March	108,250
April	123,650
May	132,380
June	160,210
July	151,620
August	137,080
September	88,640
October	104,830
November	56,880
December	46,580
2024 Total	1,239,950
Monthly Average	103,329
Daily Average	3,397

COLLECTION SYSTEM SUMMARY

Sanitary Sewer Overflows

Twenty-nine (29) SSOs were reported in 2024. This averages to 4.0 SSOs per 100 miles of pipe.

Number of Sanitary Sewer Overflows (SSOs) per 100 Miles of Pipe from 2011 to 2024

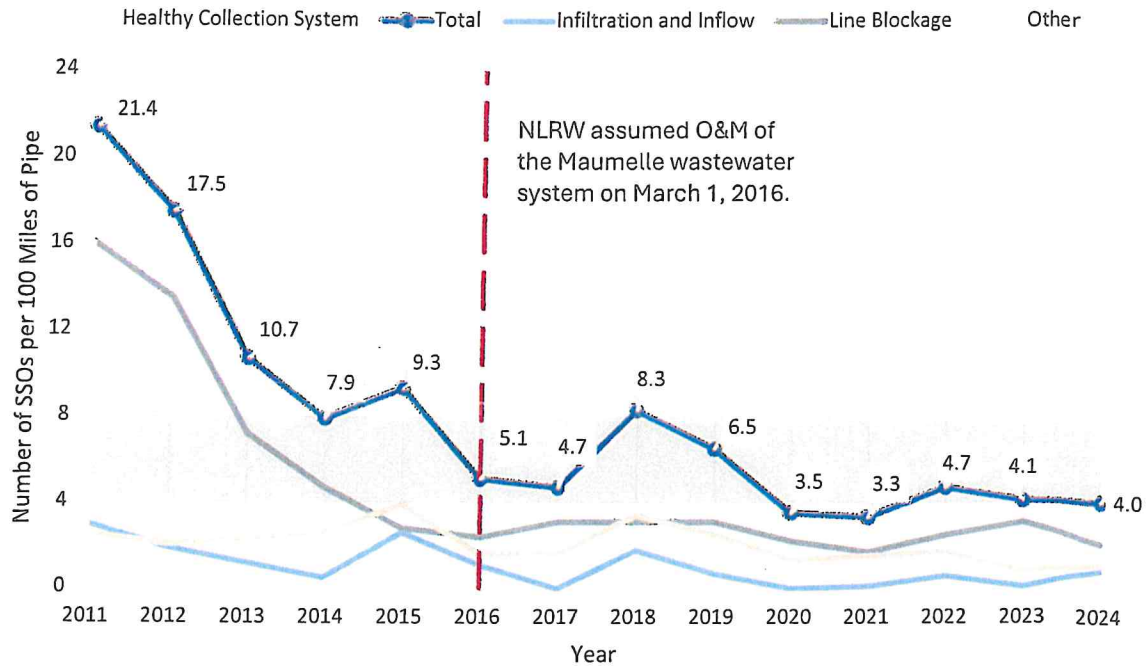


Figure 9. Sanitary Sewer Overflows (SSOs) Each Year from 2011 to 2024

Total Annual Precipitation in Little Rock from 2011 to 2024

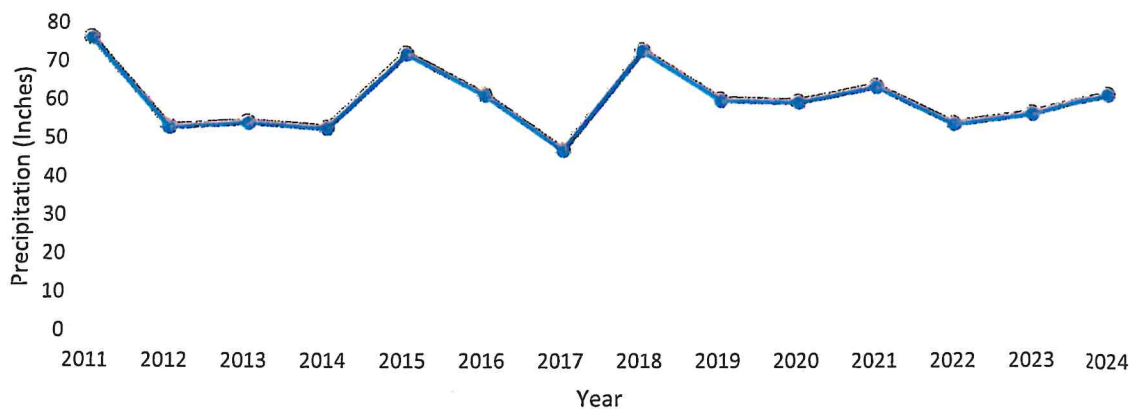


Figure 10. Total Annual Precipitation from 2011 to 2024

Data accessed February 11, 2025, from National Oceanic and Atmospheric Administration, National Centers for Environmental Information, Station: Little Rock Airport Adams Field, <https://www.ncdc.noaa.gov/cdo-web/datasets/GHCND/stations/GHCND:USW00013963/detail>

Causes of Sanitary Sewer Overflows (SSOs) in 2024

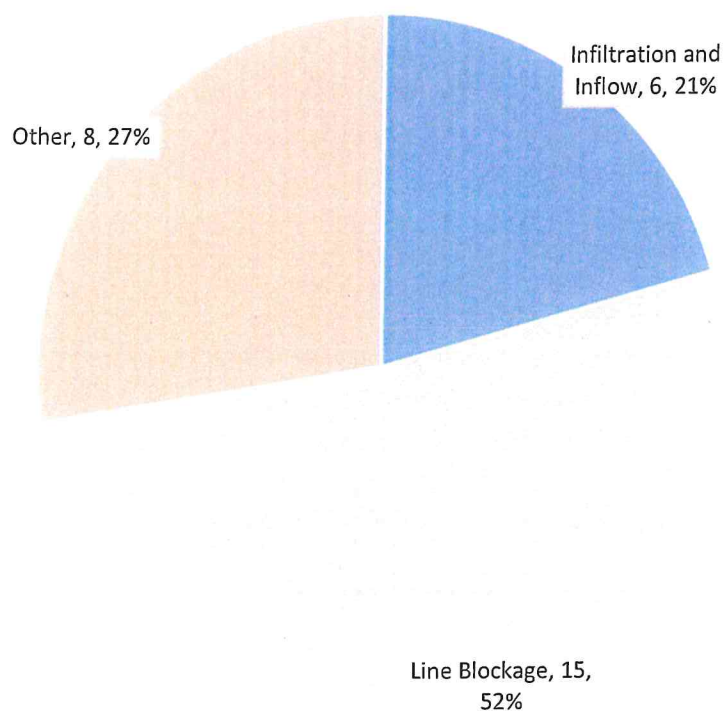


Figure 11. Causes of Sanitary Sewer Overflows (SSOs) in 2024

Table 6. Sanitary Sewer Overflows per 100 Miles of Pipe and Precipitation Each Year from 2011 to 2024

Year	Total SSOs	Line Failure	Infiltration and Inflow	Line Blockage	Precipitation (Inches)
2011	21.4	2.5	3.0	16.0	76
2012	17.5	2.1	1.9	13.5	53
2013	10.7	2.3	1.2	7.2	55
2014	7.9	2.6	0.5	4.7	53
2015	9.3	3.9	2.6	2.8	72
2016	5.1	1.6	1.1	2.4	62
2017	4.7	1.6	0.0	3.1	48
2018	8.3	3.4	1.8	3.1	73
2019	6.5	2.5	0.7	3.1	61
2020	3.5	1.3	0.0	2.2	60
2021	3.3	1.5	0.1	1.7	64
2022	4.7	1.7	0.6	2.5	54
2023	4.1	0.8	0.1	3.1	57
2024	4.0	1.1	0.8	2.1	62

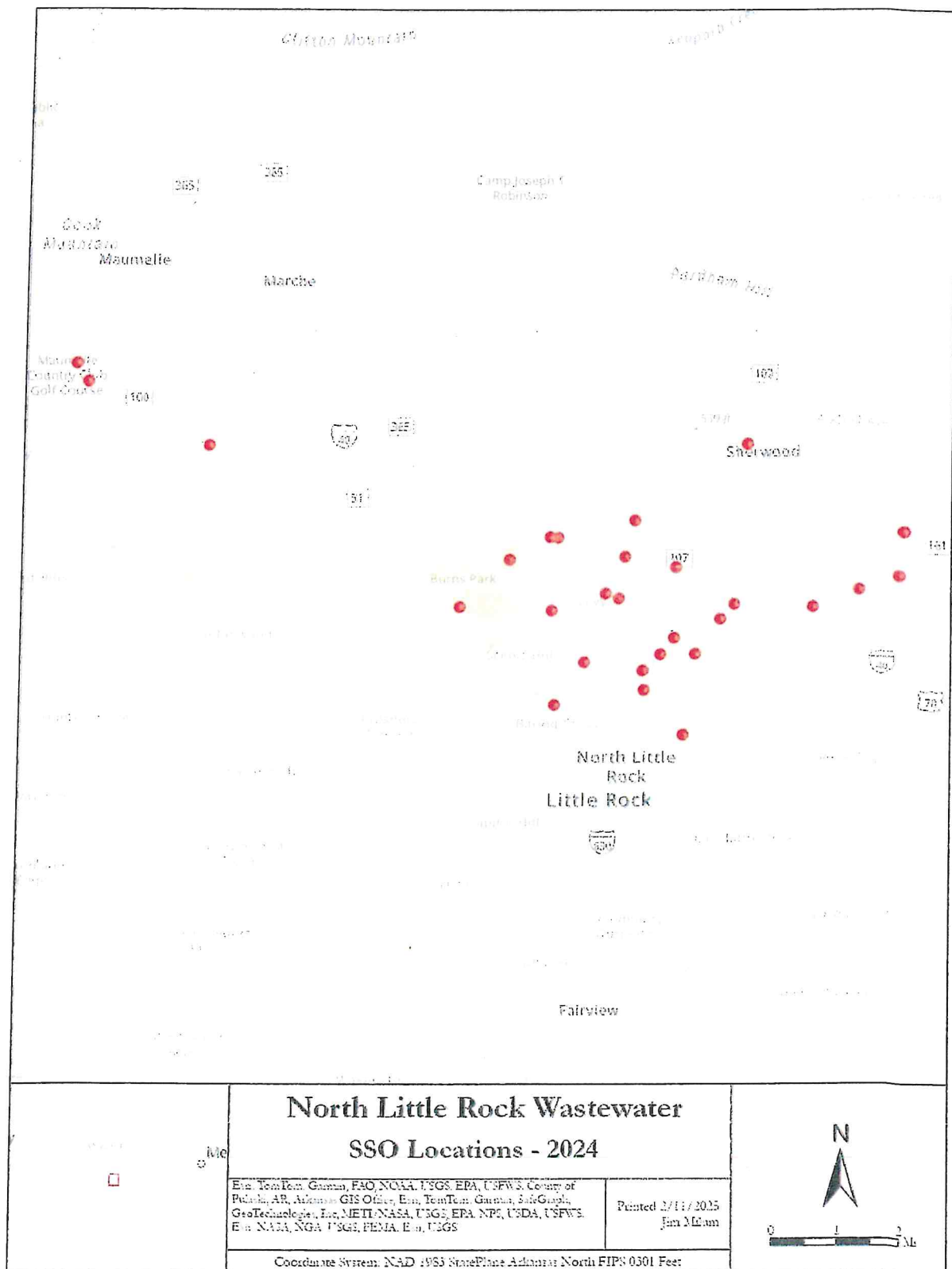


Figure 12. Map of Sanitary Sewer Overflows (SSOs) in 2024

Gravity Line Cleaning

Cleaned 1,954,866 linear feet of the gravity collection system in 2024. This was 56% of the 3,521,760 linear feet of active gravity lines in the system.

Length of Pipe Cleaned Each Year from
2015 to 2024

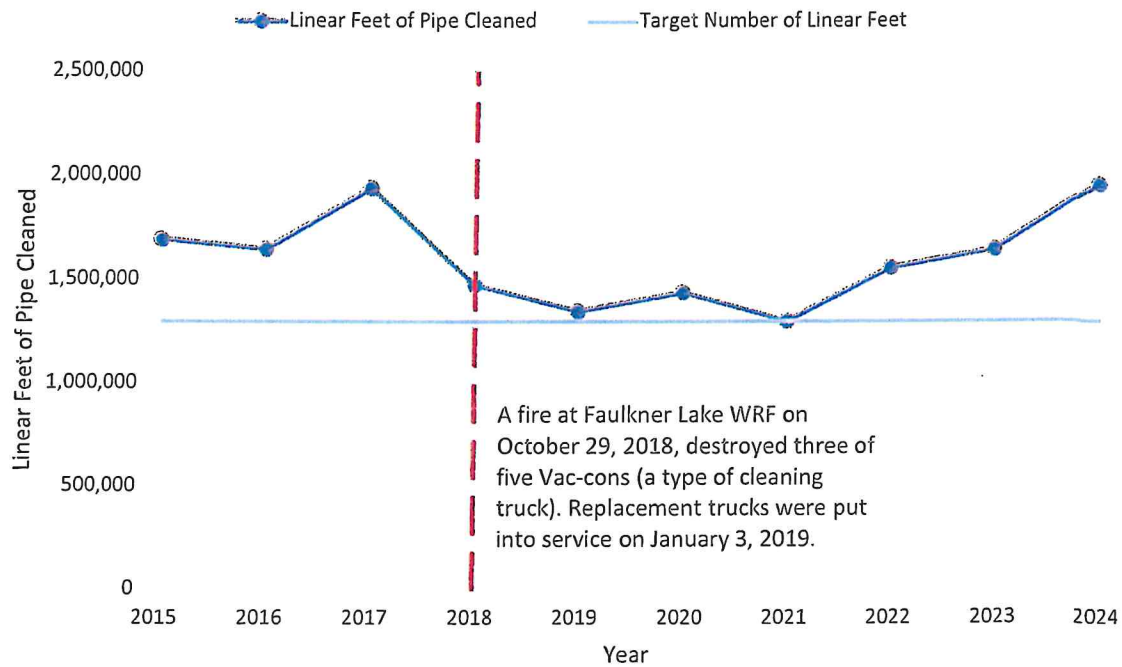


Figure 13. Length of Pipe Cleaned Each Year from 2015 to 2024

Table 7. Length of Pipe Cleaned Each Year from 2015 to 2024

Year	Linear Feet of Pipe Cleaned
2015	1,692,000
2016	1,645,000
2017	1,939,000
2018	1,473,000
2019	1,346,000
2020	1,435,000
2021	1,298,000
2022	1,554,000
2023	1,643,000
2024	1,955,000

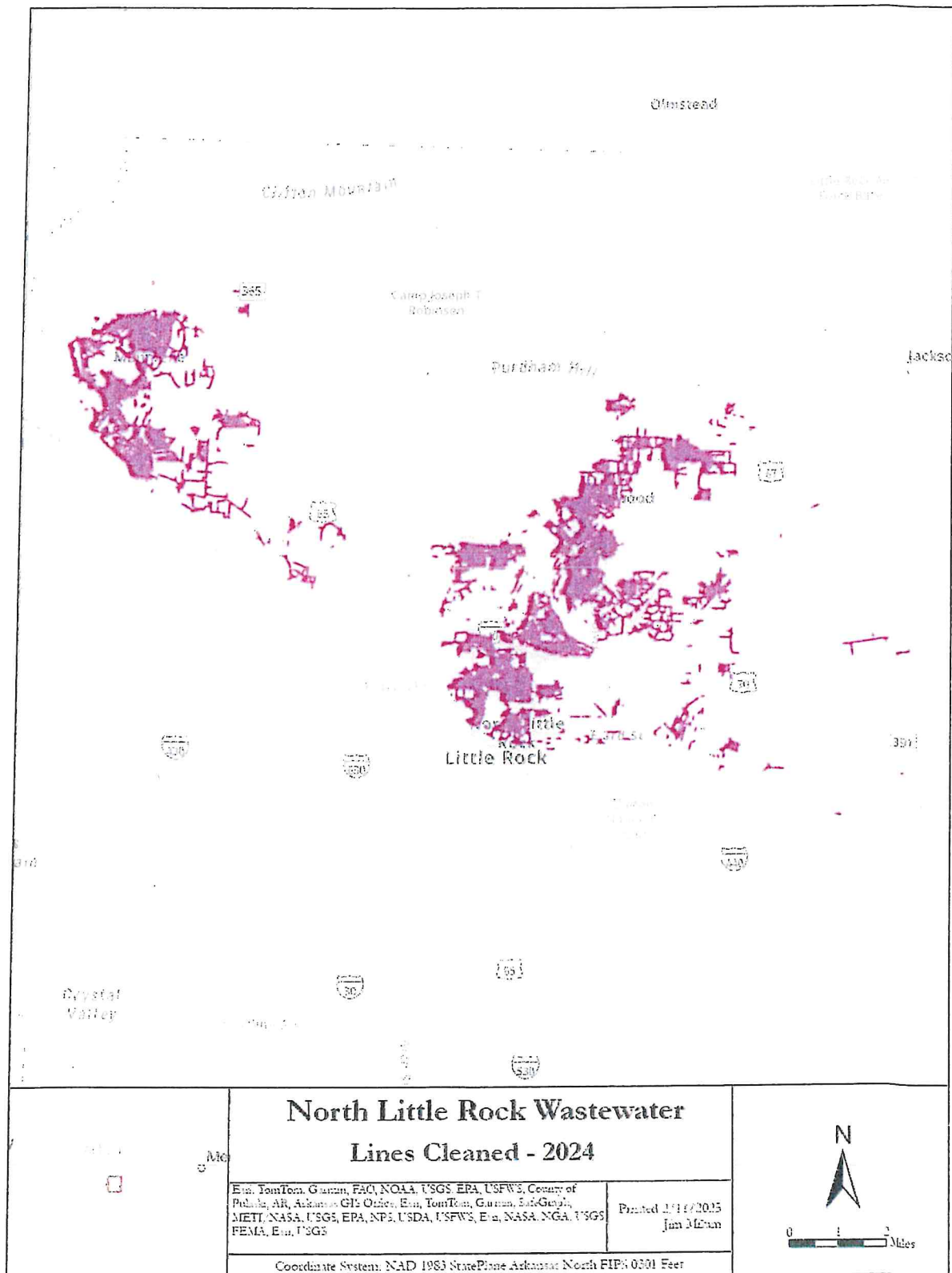


Figure 14. Map of Pipes Cleaned in 2024

Closed-Circuit Televising

Televised 186,780 linear feet of the gravity collection system in 2024. This was 5% of the 3,521,760 linear feet of active gravity lines in the system.

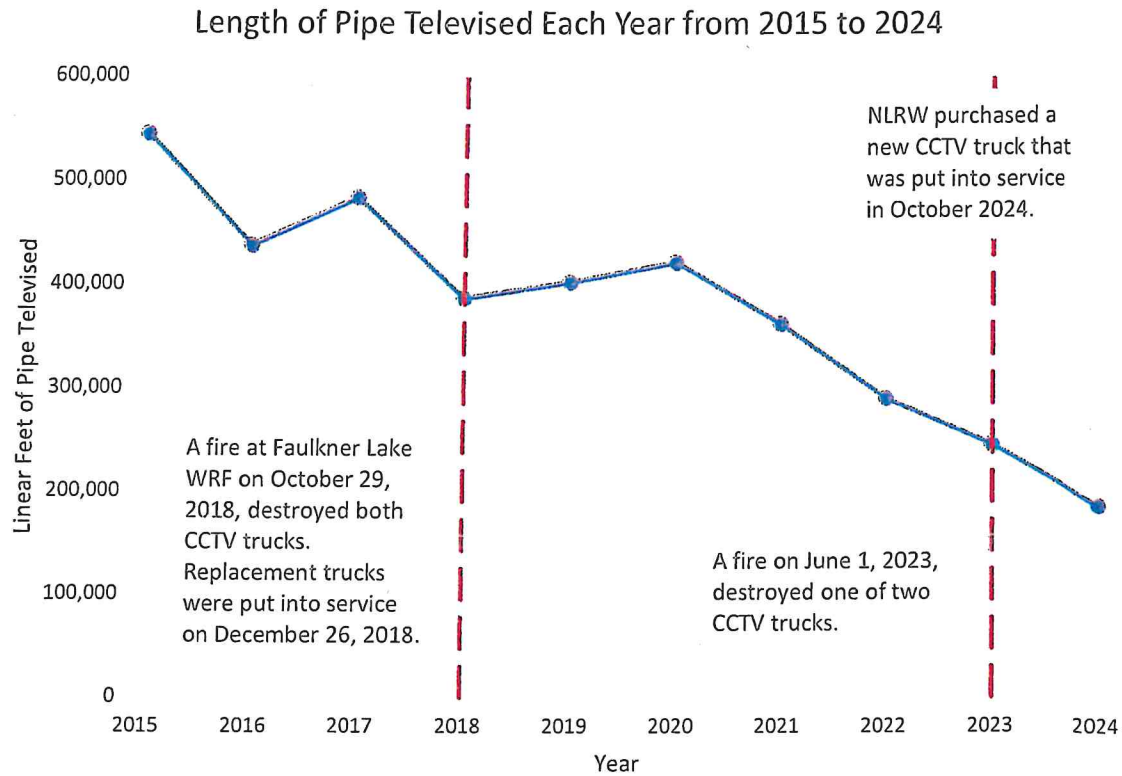


Figure 15. Length of Pipe Televised Each Year from 2015 to 2024

Table 8. Length of Pipe Televised Each Year from 2015 to 2024

Year	Linear Feet of Pipe Televised
2015	545,000
2016	438,000
2017	484,000
2018	387,000
2019	402,000
2020	421,000
2021	362,000
2022	290,000
2023	246,000
2024	187,000

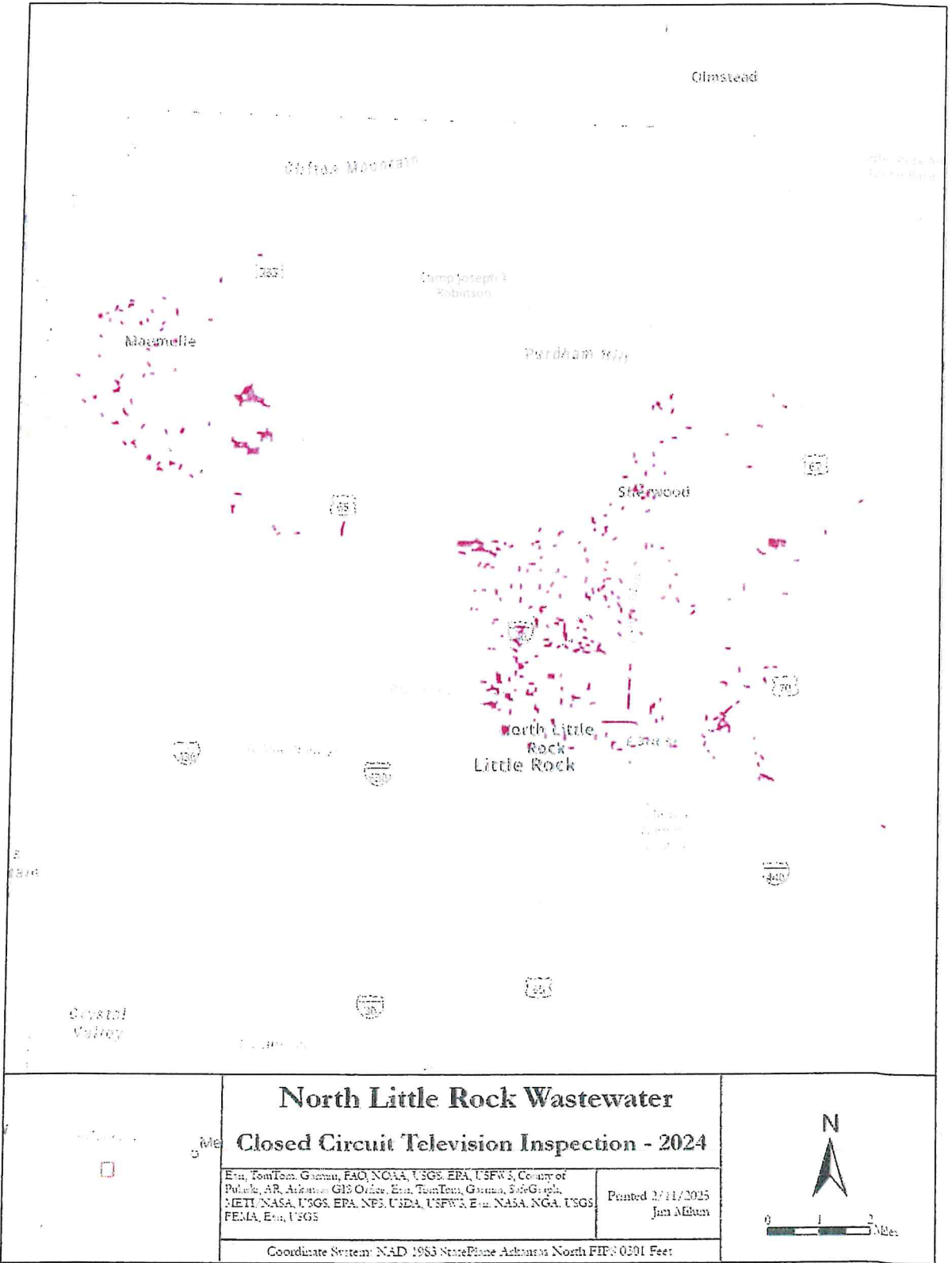


Figure 16. Map of Pipes Televised in 2024

Construction

The 176 open-cut point repairs performed by the Maintenance and Construction Department totaled to 1,130 linear feet.

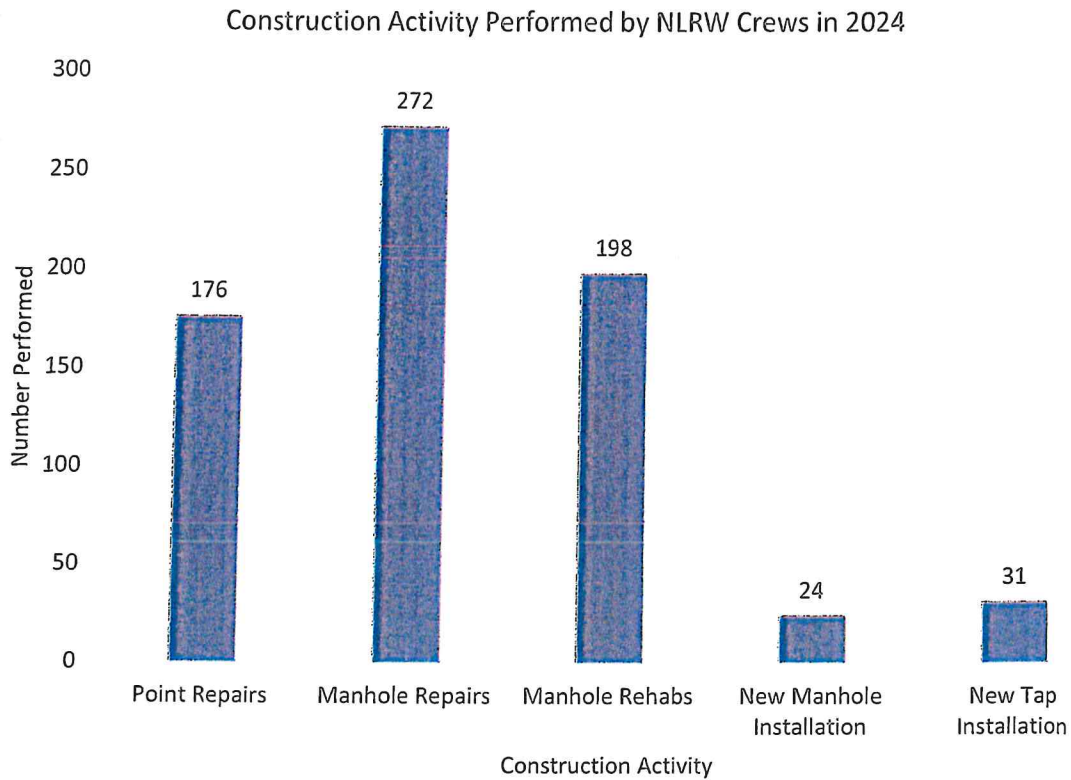


Figure 17. Types of Construction Activities Performed by NLRW Crews in 2024

Table 9. Number of Construction Activities Performed by NLRW Crews in 2024

Point Repairs	Manhole Repairs	Manhole Rehabs	New Manhole Installations	New Tap Installations
176	272	198	24	31

ENVIRONMENTAL COMPLIANCE SUMMARY

Laboratory

Table 10. Laboratory Tests Performed in 2024

Test	Average Frequency per Month
Biochemical Oxygen Demand (BOD) / Carbonaceous Biochemical Oxygen Demand (CBOD)	1,151
Dissolved Oxygen (DO)	78
Total Suspended Solids (TSS)	310
Field-Grab Sample pH	242
Fecal Coliform	95
Total Residual Chlorine (TRC)	122
Chemical Oxygen Demand (COD)	310
Suspended Solids (SS)	182
Composite Sample pH	280
Stream Temperature	267
Alkalinity	182
Ammonia	182
Total Phosphorus	79
De-chlorination (Decl2)	135
Oil and Grease (O&G)	65
Laboratory Temperature	840
Calibration	243
% Total Solids	20
% Volatile Solids	20
Special Project	20
Microscope Exam	30
Monthly Total	4,853
Year Total	58,236

Pre-Treatment Testing and Inspections

Table 11. Pretreatment Activities in 2024

Activity	Average Frequency per Month
Grab Sample pH	360
Stream Temperature	360
Calibrations	30
Sample Station Visits	360
Annual Industry Compliance Inspection	2
Grease Trap Inspections	40
Waste Survey	4
Special Projects	2
Monthly Total	1158
Year Total	13896

NPDES PERMIT COMPLIANCE SUMMARY

2024 Permit Compliance

No discharge violations and two (2) water quality testing violations were reported for Faulkner Lake WRF in 2024. No NPDES permit violations were reported for White Oak, Five Mile Creek, and Maumelle WRFs in 2024.

NPDES Permit Violations in 2024

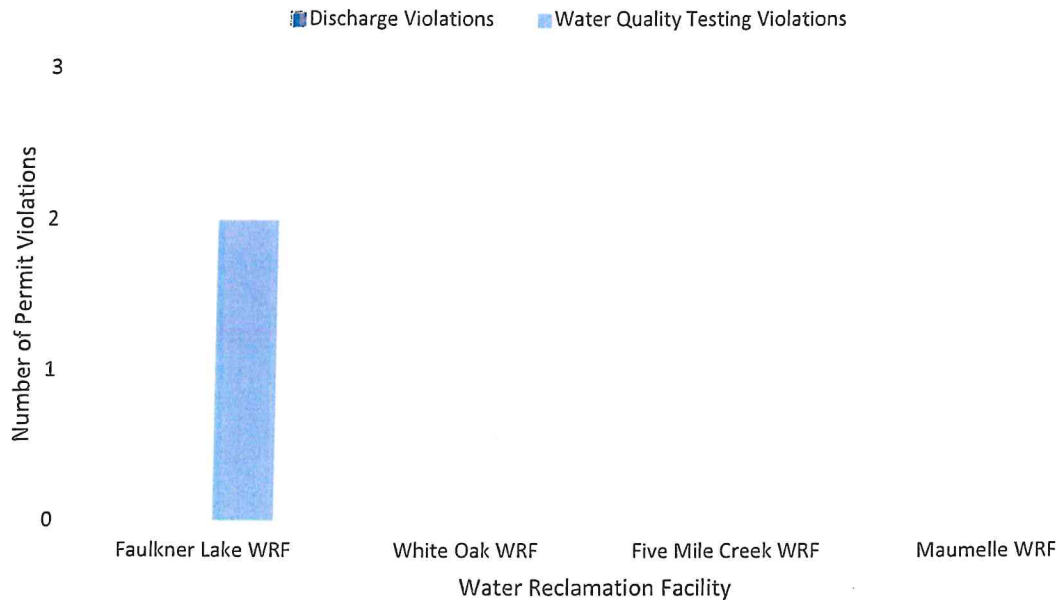


Figure 18. NPDES Permit Violations in 2024

Table 12. NPDES Permit Violations in 2024

	Faulkner Lake WRF	White Oak WRF	Five Mile Creek WRF	Maumelle WRF
Discharge Violations	0	0	0	0
Water Quality Testing Violations	2	0	0	0

Past Permit Compliance

Faulkner Lake WRF

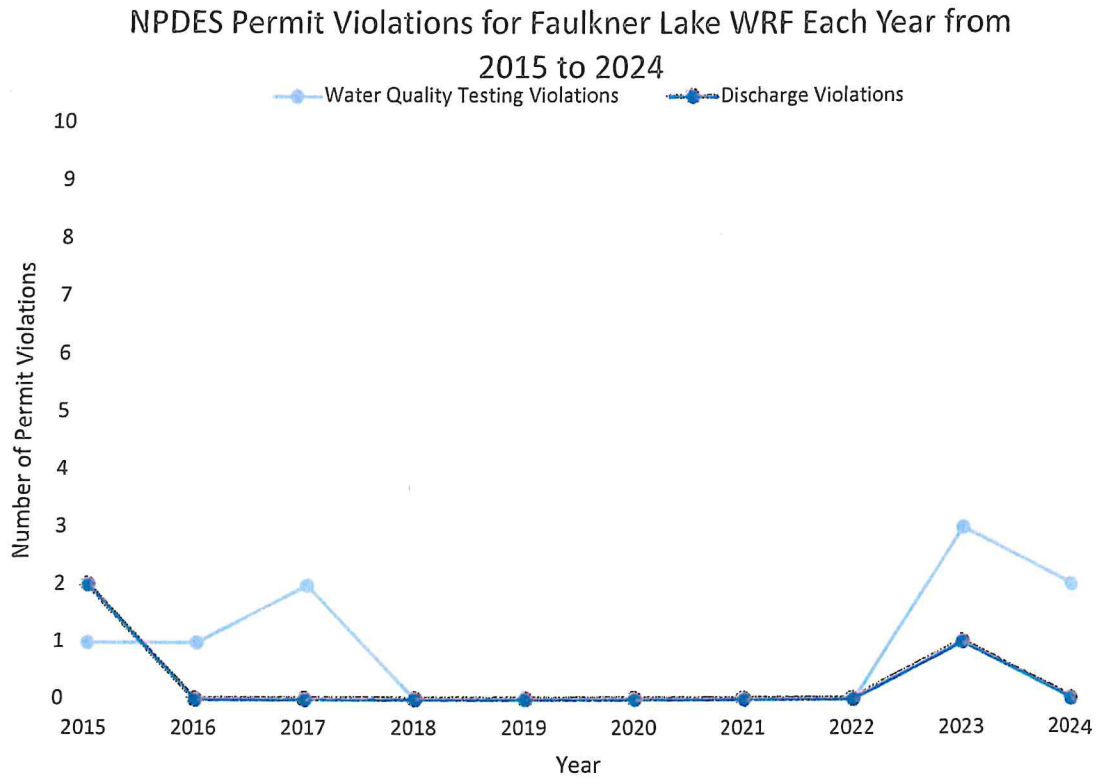
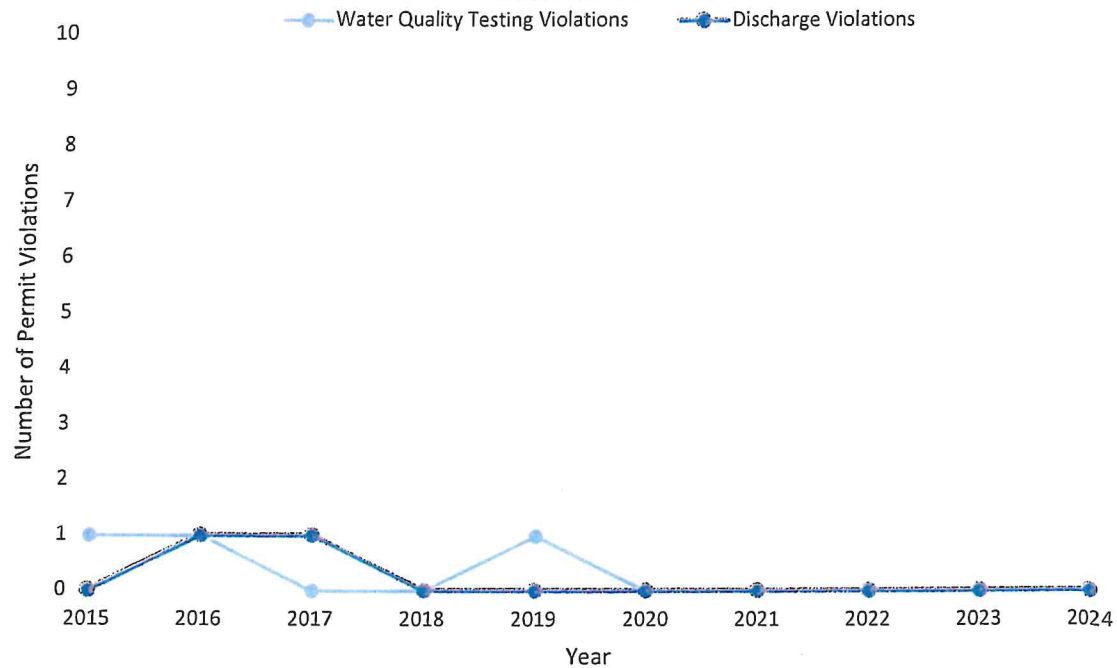


Figure 19. NPDES Permit Violations for Faulkner Lake WRF Each Year from 2015 to 2024

Table 13. NPDES Permit Violations for Faulkner Lake WRF Each Year from 2015 to 2024

Year	Water Quality Testing Violations	Discharge Violations
2015	1	2
2016	1	0
2017	2	0
2018	0	0
2019	0	0
2020	0	0
2021	0	0
2022	0	0
2023	3	1
2024	2	0

*White Oak WRF*NPDES Permit Violations for White Oak WRF Each Year from
2015 to 2024*Figure 20. NPDES Permit Violations for White Oak WRF Each Year from 2015 to 2024**Table 14. NPDES Permit Violations for White Oak WRF Each Year from 2015 to 2024*

Year	Water Quality Testing Violations	Discharge Violations
2015	1	0
2016	1	1
2017	0	1
2018	0	0
2019	1	0
2020	0	0
2021	0	0
2022	0	0
2023	0	0
2024	0	0

Five Mile Creek WRF

NPDES Permit Violations for Five Mile Creek WRF Each Year from 2015 to 2024

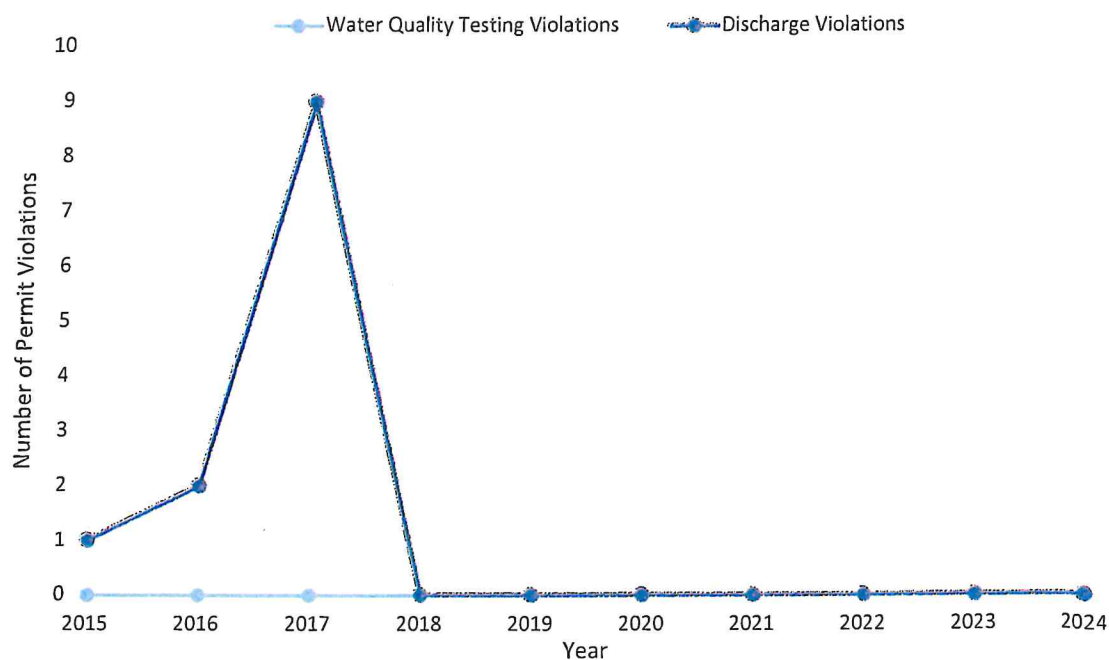
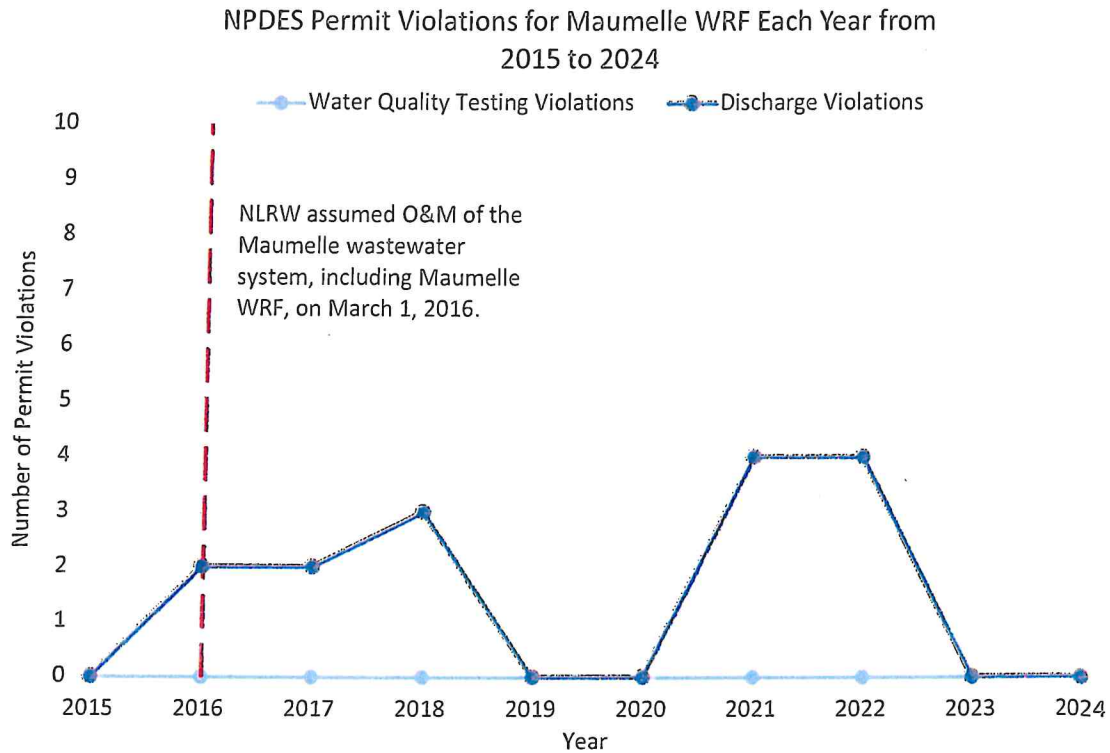


Figure 21. NPDES Permit Violations for Five Mile Creek WRF Each Year from 2015 to 2024

Table 15. NPDES Permit Violations for Five Mile Creek WRF Each Year from 2015 to 2024

Year	Water Quality Testing Violations	Discharge Violations
2015	0	1
2016	0	2
2017	0	9
2018	0	0
2019	0	0
2020	0	0
2021	0	0
2022	0	0
2023	0	0
2024	0	0

Maumelle WRF*Figure 22. NPDES Permit Violations for Maumelle WRF Each Year from 2015 to 2024**Table 16. NPDES Permit Violations for Maumelle WRF Each Year from 2015 to 2024*

Year	Water Quality Testing Violations	Discharge Violations
2015	0	0
2016	0	2
2017	0	2
2018	0	3
2019	0	0
2020	0	0
2021	0	4
2022	0	4
2023	0	0
2024	0	0

NORTH LITTLE ROCK WASTEWATER FACILITY PLAN 2027-2031

The Facility Plan is the first step in initiating the next five-year planning cycle for North Little Rock Wastewater (NLRW). This comprehensive document outlines a long-term strategy for the management of our four water reclamation facilities, focusing on capital improvements, system reliability, and regulatory compliance. It ensures that the facilities will meet both current and future needs. The Facility Plan will integrate previous studies, providing necessary documentation for State Revolving Loan and Federal WIFIA program funding.

Discussions with Michael Marlar, P.E. from Halff Engineers have helped define the scope of the projects to be included in the Facility Plan, which are outlined as follows:

1. **Five Mile Creek WRF Consolidation with Faulkner Lake WRF:** The Five Mile Creek WRF is currently facing challenges in meeting National Pollutant Discharge Elimination System (NPDES) permit requirements. Additionally, the facility's average daily flow has reached the design capacity of its facultative lagoon treatment system. To address these challenges, the hydraulic capacity of the conveyance system must be expanded. The proposed solution includes repurposing the existing facultative ponds for high-flow equalization and converting the influent pumping station to an in-line pumping station, allowing continuous flow to the advanced treatment facilities at Faulkner Lake WRF.
2. **Biosolids Handling Facility:** This project involves the construction of anaerobic digesters at Faulkner Lake WRF to process biosolids from an average daily flow of 20 million gallons per day (MGD). After treatment, the biosolids will undergo dewatering and drying to produce Class A Exceptional Quality (EQ) biosolids, promoting beneficial reuse and eliminating the need for a land application permit.
3. **Dark Hollow Interceptor Capacity Upgrades:** The existing 21" and 24" Dark Hollow Interceptor is failing and requires significant capacity upgrades. Hydraulic modeling indicates that replacing the current interceptor with a 36" gravity line will better serve the Park Hill and North Argenta areas and support future growth. This upgrade will contribute to environmental justice and enhance public health and environmental protection.
4. **White Oak WRF Primary Clarifier and Biosolids Pumping Station:** This project involves constructing a primary clarifier at White Oak WRF to remove biosolids from raw influent. The biosolids will be transported to Faulkner Lake WRF via a pumping station, where they will be processed with advanced treatment capabilities at a central facility.



5. East Side Service Area Economic Expansion: This initiative focuses on long-term strategic planning and collaboration with both private and public entities to establish wastewater infrastructure in support of large-scale economic development along Interstate 40, particularly near the Kerr Road Interchange and Highway 165, adjacent to the Scott community.

6. Shorter College Pumping Station Renewal: This project will replace the aging Shorter College pumping station and relocate the force main to improve hydraulic performance and system efficiency, ensuring greater reliability and service for the area.

Financial Overview: The total estimated cost for these infrastructure projects across various water reclamation and wastewater treatment facilities is projected at \$157 million. These projects are vital to meeting future environmental standards, supporting regional growth, and ensuring

sustainable water treatment and waste management in the area. Securing funding from Public Agencies are crucial for the successful implementation of these initiatives while making wastewater services affordable for our customers.

ACTION REQUESTED:

Authorize the Director to negotiate and enter into a contract with Halff Engineers for the North Little Rock Wastewater Facility Plan 2027-2031, with a contract amount not to exceed \$225,000.



(8)

ADMINISTRATION HOURS

ACTION REQUESTED:

Discussion to make office hours more flexible for Administration Building staff.



March 2025 Highlights

Economic Development Outreach

On March 3, 2025, staff met with the City of North Little Rock's Economic Development Director and representatives from the Arkansas Economic Development Commission. The meeting focused on major development sites within the North Little Rock Wastewater service area. Site-specific data was presented to help developers better understand existing wastewater infrastructure, including transportation limitations and treatment capacity challenges. These efforts are part of ongoing collaboration to ensure that future growth aligns with our system capabilities and long-term planning goals.

Hydraulic Model for Faulkner Lake Basin

Calibration work continues on the Faulkner Lake Basin hydraulic model to ensure accurate representation of system behavior during both dry and wet weather flow conditions. The model is a critical tool for evaluating current capacity and identifying areas for improvement. Another stakeholder meeting is scheduled next week to review potential improvement scenarios and develop strategies to optimize hydraulic performance in the collection system.

Preliminary Funding Discussion for 2027–2031

Staff met with the Natural Resources Division of the Arkansas Department of Agriculture on March 12, 2025, to discuss funding opportunities for the upcoming 2027–2031 capital improvement planning cycle. A follow-up meeting was held on March 20, 2025, with a local bond council to review funding mechanisms and timelines. These early conversations are key in laying the groundwork for securing financing that supports future infrastructure projects and system sustainability.

Maumelle Pumping Station

A final design coordination meeting was held with HDR and Halff to conclude discussions around the 90% plans and specifications for the Maumelle Pumping Station, including headworks facilities. The collaboration has been highly productive and beneficial for staff development. The proposed design, which incorporates a new wet well and pumping station structure, represents a significant improvement over the existing system. This approach offers better long-term operational efficiency, enhanced performance reliability, and improved maintenance access, aligning well with the utility's future service goals.



DIRECTOR'S HIGHLIGHTS

MONTHLY REPORTS

ENVIRONMENTAL COMPLIANCE & SAFETY DEPARTMENT STATUS REPORT
MARCH 2025

	<u>BOD</u>	<u>TSS</u>
Faulkner Lake	8.9 mg/L (30 Max.)	3.5 mg/L (30 Max.)
Maumelle	24.1 mg/L (30 Max.)	28.0 mg/L (30 Max.)

	<u>CBOD</u>	<u>TSS</u>
Five Mile	12.9 mg/L (25 Max.)	13.2 mg/L (90 Max.)
White Oak	14.3 mg/L (25 Max.)	14.3 mg/L (45 Max.)

Jaime Marrow
Office Assistant II/ Pretreatment Clerk

Engineering Department Major Project Status

Project	Contract Amount	NTP Date	Contract Completion Date	Percent Complete to Date
1 Broadway Area Pipe Bursting 2023 Collection System Renewal	\$3,711,806.00	November 23, 2023	November 27, 2024	71%
2 Maumelle Diversion Force Main Easement Acquisition	\$25,000.00	NA	NA	10%
3 Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal	\$5,760,512.00	May 30, 2024	August 23, 2025	5%
4 Lower Riverside Interceptor CIPP, Phase II Rehabilitation	\$9,977,770.00	September 22, 2024	September 7, 2025	25%
5 Dark Hollow Interceptor CIPP, Phase II 2024 Rehabilitation	\$3,784,812.00	February 5, 2025	September 30, 2025	0%
6 Five Mile Creek Interceptor CIPP 2024 Rehabilitation Project	\$3,917,844.00	February 5, 2025	September 30, 2025	10%
7 Levy/Pershing Area CIPP 2023 Collection System Renewal	\$2,205,160.00	NA	NA	NA

Project Description

- Broadway Area Pipe Bursting 2023 Collection System Renewal:** This project consists of pipe bursting rehabilitation of 35,161 linear feet of 6" through 8" secondary sanitary sewer mains and external reconnection of approximately 425 services.
- Maumelle Diversion Force Main Easement Acquisition:** This project is to acquire the remaining 24 easements required to move forward with the project. First Valuation Services has completed the appraisals requested for the acquisition.
- Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal:** The project consists of pipe bursting 44,617 linear feet of 6"-10" sanitary sewer mains and externally reconnecting approximately 702 services. The contractor has received the materials for the project.
- Lower Riverside Interceptor CIPP, Phase II 2023 Rehabilitation Project:** This project consists of CIPP renewal of 12,415 linear feet of 54" reinforced concrete interceptors and installation of 7, 8-foot diameter manholes. The heavy cleaning is under way. Bypass is in place and tested. The CIPP and manhole installations are in progress.
- Dark Hollow Interceptor CIPP, Phase II 2024 Rehabilitation:** This project consists of CIPP renewal of 4,667 linear feet of 48" reinforced concrete interceptors. Bids were received November 5, 2024.
- Five Mile Creek Interceptor CIPP 2024 Rehabilitation Project:** This project consists of CIPP renewal of 9,341 linear feet of 24", 7,857 linear feet of 30", and 14 linear feet of 36" reinforced concrete interceptors. Bids were opened November 5, 2024. The contractor has ordered the materials for the project's first stage and will begin installing CIPP later this month.
- Levy/Pershing Area Area CIPP 2023 Collection System Renewal:** This project consists of CIPP renewal of 38,509 linear feet of 6"-15" secondary sewer mains of various materials. A recommendation for award to Suncoast Infrastructure, LLC is on this month's agenda.



NORTH LITTLE ROCK WASTEWATER UTILITY

March Developer Funded Project of Interest

City Planning Submittals

North Little Rock

- Quadplexes
 - Site Plan Review
 - Located at 1207, 1209, 1217 and 1219 West 7th Street
- Mid-state Truck Plaza
 - Road Ranger Truck Stop
 - Located at 328 Midstate Truck Plaza

Maumelle

- N/A

Sherwood

- N/A

NLRW Submittals

Developer Funded

- North Little Rock Event Center
 - 120 Main Street

Commercial

- ALDI Store 113
 - Located at 9215 AR-107
- Miller Event Center
 - Smart House Way
- Arkansas Ear Nose and Throat Clinic
 - 4220 Richards Road



Memorandum

TO: Michael Clayton
FROM: Lyle Leubner
DATE: 4/3/2025
RE: Treatment Report

Faulkner Lake Plant

- Clarifier Mechanism and Structure Coating Project 2024 – The contractor experienced a set back and pulled off this job for a couple weeks. They have since returned and progress has resumed on the Influent Pump Station.
- Influent Pump Station Controller- No New Progress on upgraded controller. Minor program changes have been made to the existing controller to allow the average flow pump to operate as a lag to the large pump. The lag pump will send the excess to the West Lagoon for flow equalization.
- Sludge Pump Grinder Controls – Building and wiring of new control panel is near completion. Controller programming is underway.
- Final Clarifier #2 – Rake drive unit and motor failed and was repaired by Pump Maintenance in time for the heavy wet weather event.
- Influent Pump #3 – The pump is throwing an erroneous MAS fault. Staff is working with Jack Tyler Engineering to resolve.
- Influent VFD #1 – VFD failed and was repaired by in house staff.
- Sludge Feed Pump #2 – The pump's VFD has failed, and a replacement was ordered, installed, and programmed. Unit is back online.

Five Mile Plant

- Solar Plant – The solar plant is operating at near full capacity apart from 2 tracking units. The replacement of the tracking units is on Scenic Hill's docket.

White Oak Plant

- Lagoon Aeration Upgrades – The diving contractor (Environmental Process Systems) for installing the mooring cables has become non-responsive. Staff has pursued leads on other potential divers and hope to have a replacement option within a week.
- Chlorine Contact Chamber Underflow Pump #2 –New pump has arrived and a joint venture between Ira and Pump Maintenance is underway to install the pump.
- Chlorine Induction Pump #1 – Pump has failed and was pulled/delivered to AFT for repairs.



NORTH LITTLE ROCK WASTEWATER

- Clarifier Launder Cover – Due to projected costs, staff is investigating a fiberglass cover option for comparison to Aluminum.

Maumelle Plant

- Pond Levee Repair Project – Redstone Construction is working on a change order to reflect increase for conducting this job in 2025 versus 2024.
- Blowers- Awaiting arrival of spare blower.
- Influent Pump #1 – Pump has been repaired and is back in service.
- Comminutor #1 – The unit's lower assembly has catastrophically failed. Competitive quotes for repair versus replacement are being gathered.
- Surge Basin VFD #3- VFD failed and was replaced with a spare unit. The failed VFD has been sent off for repairs.

Misc

- Risk Management Program (RMP) – Staff continues to review the new additional requirements. The mandatory every other year training for the plant operators is complete.
- 276 KW Mobile Generator – Repairs on this generator are complete.
- Generator Maintenance – A follow-up has been made with Clifford Power as the Lab & Admin generator PMs are due.
- Variable Frequency Drives – The two 20 HP VFDs were successfully repaired. One of these were installed to restore Surge Basin Pump #3 ahead of this rain event.
- Gate Openers – Faulkner Lake Gate #1 had a failed exit loop due to ice removal from this winters' storm. After further investigation, the Gate #1 safety loop and both Gate #3 loops were near failure. All 4 of those loops were replaced while staff had the necessary equipment rented.
- Plant Operator I – We have an open position and are currently reviewing applications and interviewing.
- Plant Operator II – Proud to report that operator Jeff Russell successfully completed the experience and testing requirements and was promoted to Operator II.



Memorandum

TO: Michael Clayton
FROM: Brian Kirkendoll
DATE: 4-4-2025
RE: Pump Maintenance Report

Faulkner Lake Treatment Plant

- Replaced light in admin. Lobby
- Replaced the VFD on #2 sludge pump
- Pulled and rebuilt the top gear box on #2 final clarifier

Maumelle Treatment Plant

- Pulled comminutor #1 and took to AFT
- Replaced the VFD on #3 Surge Basin pump
- Installed rebuilt #1 Influent pump
- Pulled #2 Effluent pump and took to AFT
- Installed spare Effluent pump in the #2 spot

Five Mile Treatment Plant

- Replaced two steel cables on #3 aerator in East Lagoon
- Pulled spare 50 HP aerator and put it in storage

White Oak Treatment Plant

- Replaced aerator # 38

Faulkner Lake Shop Work

- Manufactured two hose baskets for Vac Con (Adolph)
- Installed rod reel in truck for M&C
- Repaired the smoke machine for M&C
- Manufactured and installed a shelf for Vac Con (Roy)

Town Center Pump Station

- Replaced run capacitor on Pump #1 (2 HP Hydromatic)
- Pulled pump #2 removed debris

Counts Massie 1 Pump Station

- Pulled #1 took to JTE for repairs (10 HP Flygt)
- Pulled #2 replaced shaft sleeve and adjusted tolerance (10 HP Flygt)
- Installed a 10 HP Hydromatic in the #1 spot as a temporary
- Replaced the starter on #1 pump
- Replaced the PLC

Osage Hills Pump Station

- Replaced the Phase monitor

Rixie 161 Pump Station

- Replaced the transformer for generator power

Gap Creek Pump Station

- Installed new #1 pump (10 HP Flygt)

Baucum Industrial Pump Station

- Installed junction box and new float connectors

Quapaw Pump Station

- Installed a new area work light

Wilcox Pump Station

- Replaced the starter on #3 pump (20 HP Flygt)

Rixie Trammel Pump Station

- Replaced the lifting eyebolts on #1 pump (15 HP Hydromatic)
- Replaced the impeller on #1 pump

Shorter Pump Station

- Replaced the impeller and wear plate on #2 pump (3" Gorman Rupp)



NORTH LITTLE ROCK WASTEWATER

MEMORANDUM

TO: Michael Clayton
FROM: Marybeth Eggleston
DATE: 4/1/2025
RE: Environmental Compliance & Safety Status Report

Compliance Reports:

- Submitted the 2024 Land Application Annual Report to DEQ on March 18, 2025.
- Submitted the 2024 Pretreatment Program Annual Report to DEQ on March 21, 2025.

Employee Training:

- CPR/AED certification classes were held at the North Little Rock Fire Department Training Center on March 14, 25, 26, and April 1, 2025, with 53 employees attending.

Safety Initiatives:

- The Work Wear boot truck was scheduled at the Faulkner Lake Plant on March 20, 2025, for employees to purchase ASTM-F2413 certified safety boots/shoes. Employees could purchase boots/shoes between March 20-28, 2025, with NLRW covering up to \$133 for one pair per employee.

Safety Committee:

- Conducted a Safety Committee meeting on March 27, 2025.
- The next Safety Committee meeting is scheduled for June 2025.



NORTH LITTLE ROCK WASTEWATER

MEMORANDUM

TO: Michael Clayton, Executive Director
FROM: Toni Martin, Human Resources Assistant
DATE: 4/4/2025
RE: Human Resources Department Report

Recruiting and Hiring

- Currently accepting resumes for a Surveyor and an Executive Assistant.
- The NLRW Retirement Committee met on March 13, 2025; our next meeting is June 17, 2025.

NLRWU.com Website

- The website is fully operational. We are receiving positive feedback, and the Employment app is working correctly.

Training & Community

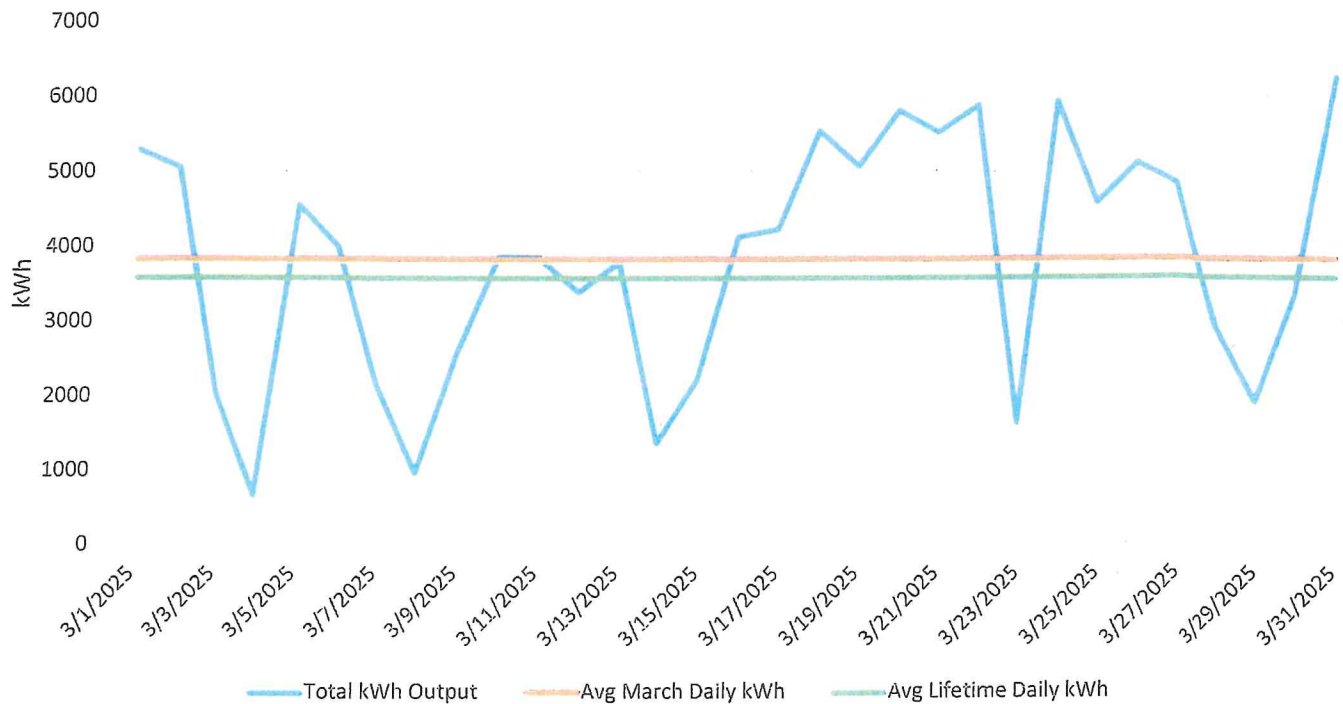
- Toni Martin will be attending the state HR SHRM conference in April.
- We are researching various training courses for utility employees.



Memorandum

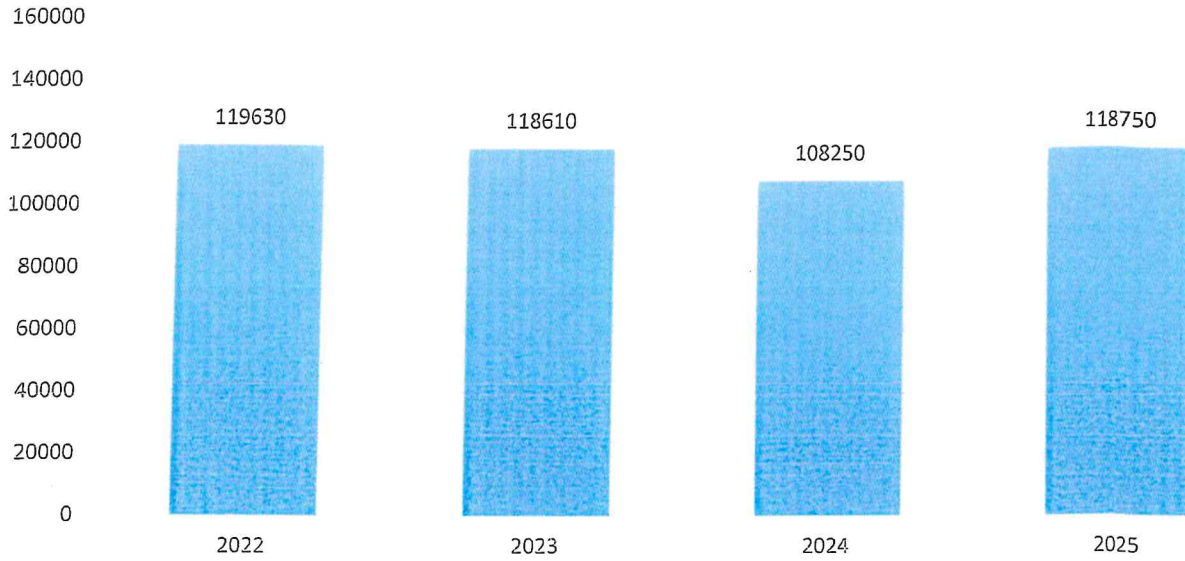
TO: Michael Clayton
FROM: Justin Shahan
DATE: April 2, 2025
RE: Solar Plant Report

Solar Energy Production March 2025

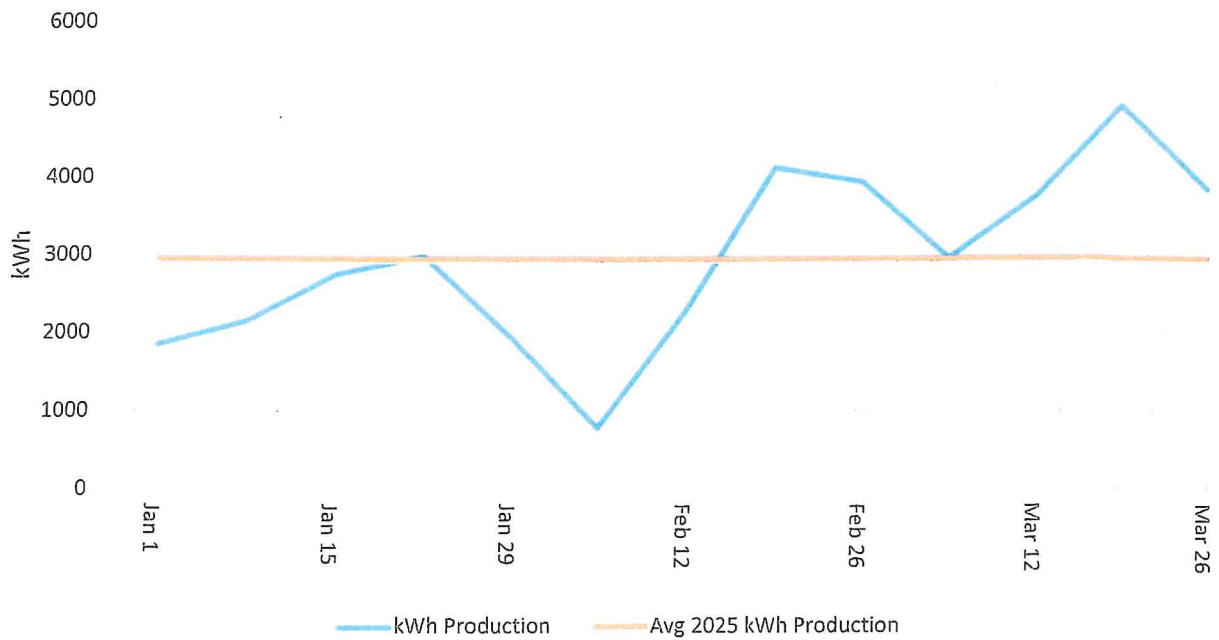


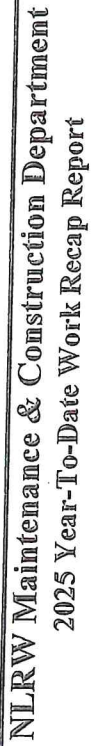
Week	kWh Production
March 1 – March 7	23830
March 8 – March 14	19850
March 15 – March 21	32590
March 22 – March 28	30940
March 29 – March 31	11540
Total kWh=	118750
Average March Daily kWh	3831
Average Lifetime Daily kWh	3589

March Year over Year



2025 kWh Production YTD



[illegible]

Cumulative SSO YTD vs Last 3 Years

