

ENVIRONMENTAL COMPLIANCE & SAFETY DEPARTMENT STATUS REPORT
FEBRUARY 2024

	<u>BOD</u>	<u>TSS</u>
Faulkner Lake	11.6 mg/L (30 Max.)	5.9 mg/L (30 Max.)
Maumelle	26.9 mg/L (30 Max.)	22.9 mg/L (30 Max.)

	<u>CBOD</u>	<u>TSS</u>
Five Mile	9.3 mg/L (25 Max.)	8.3 mg/L (90 Max.)
White Oak	11.0 mg/L (25 Max.)	14.3 mg/L (45 Max.)

Jaime Marrow
Office Assistant II

Engineering Department Major Project Status

Project	Contract Amount	NTP Date	Contract Completion Date	Percent Complete to Date
1 Lower Riverside Interceptor CIPP 2017 Rehabilitation Project	\$4,388,238.44	May 25, 2022	October 19, 2022 ¹	99%
2 Broadway Area Pipe Bursting 2023 Collection System Renewal	\$3,711,806.00	November 23, 2023	November 27, 2024	11%
3 Broadway Area CIPP 2023 Collection System Renewal	\$2,518,119.00	June 26, 2023	April 21, 2024	48%
4 Upper Riverside Interceptor CIPP Rehabilitation Project	\$2,082,635.25	August 21, 2023	December 19, 2023 ²	80%
5 Maumelle Diversion Force Main Easement Acquisition	\$25,000.00	NA	NA	10%
6 Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal	Bidding	Bidding	Bidding	Bids Opened 2/22/24
7 2024 Annual Biosolids Removal and Beneficial Reuse	Bidding	Bidding	Bidding	Bids Opened 2/22/24

¹ Awaiting final invoice. Project closeout is anticipated within the month.

² The project is scheduled to be substantially complete in March 2024.

Project Description

1 **Lower Riverside Interceptor CIPP 2017 Rehabilitation Project:** This project consists of CIPP rehabilitation of 4,344 linear feet of 54” reinforced concrete pipe.

2 **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.

3 **Broadway Area CIPP 2023 Collection System Renewal:** This project consists of CIPP rehabilitation of 37,112 linear feet of 6”-18” secondary sewer mains.

4 **Upper Riverside Interceptor CIPP 2023 Rehabilitation Project, Phase II:** This project consists of CIPP rehabilitation of approximately 5,825 linear feet of 30” reinforced concrete pipe.

5 **Maumelle Diversion Force Main Easement Acquisition:** This project is to acquire the remaining 24 easements required to move forward with the project.

6 **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.

7 **2024 Annual Biosolids Removal and Beneficial Reuse:** This project consists of removal and land application of approximately 3,500 from the Five Mile Creek WRF and up to 5,000 dry tons from the Faulkner Lake WRF.



Memorandum

TO: Michael Clayton
FROM: Lyle Leubner
DATE: 3/4/2024
RE: Treatment Report

Faulkner Lake Plant

- The coating contractor has completed the topcoat on Sludge Thickener #2, but they are awaiting replacement brackets to repair the damage to the weir baffle. In the meantime, they have moved on to Primary Clarifier #4 and have nearly completed the primer coat.
- After further evaluating field notes and logs, Eaton has shifted course back to undergoing a field repair on influent VFD #1. An official date for the technician to return has yet to be scheduled.
- Due to utilizing the lagoons as sludge storage, the lagoon aeration is in the process of being integrated into the SCADA system. This is to reduce traffic on the common narrow center levee, hence decreasing wear and increasing safety, particularly at night. The aeration pattern is changed every couple of hours to mitigate odor.

White Oak Plant

- The Bar screen project is awaiting the March 10, 2024, delivery date for the isolation gates. The contractor intends to begin work on the week of March 25th.
- Chlorine induction pump #2 is down due to a failed pump protection relay. Part is backordered with a delivery date of March 25th, 2024.

Maumelle Plant

- Staff has advertised for bids for the Maumelle Pond Levee Repair Project. The work will include repairing the slopes and mitigation of erosion using geotextile fabric and stone armor. The Arkansas Department of Energy and Environment is considering whether or not this project would require a construction permit.
- In preparation for the levee repair project, operators have deleted some obsolete piping from the South Pond and burned the brush pile from the North Pond tree removal work.

Five Mile Plant

- The influent ATS controller failed the early morning of February 16th and was repeatedly starting and stopping the generator unnecessarily. The controller has been replaced and is back in service.
- The solar plant had 4 tracking units that failed and were replaced under warranty. The facility is back to full capacity.

Misc

- One spare 75 HP VFD that was ordered last April has finally arrived. A spare 150 HP VFD was also ordered, and it has a scheduled ship date of March 15th.
- The Shillcutt controls upgrade project is complete.
- Spare pump parts for Faulkner Lake and Five Mile have been ordered to expedite rebuilds and maintain full wet weather pumping capacity.



Memorandum

TO: Michael Clayton
FROM: Brian Kirkendoll
DATE: 3-5-2024
RE: Pump Maintenance Report

Faulkner Lake Treatment Plant

- Replaced battery charger on Generator # 2
- Relocated power outlet in the Lab for new water fountain
- Removed grating, handrails and electrical on Primary Clarifier # 2
- Replaced grating, handrails and electrical on Thickner # 2
- Replaced some of the lights in the Pump Maintenance Shop work area
- Finished replacing the lights in Pump Maintenance Storage Shop

Maumelle Treatment Plant

- Wired up new sampler for Lab
- Pulled aerator # 2 removed debris
- Replaced steel cables on Aerator # 2
- Replaced Aerator # 6
- Replaced electrical cable on aerator # 6
- Replaced starter on aerator # 6

Faulkner Lake Shop Work

- Replaced hood latch on unit # 79

Maryland Place Pump Station

- Replaced start capacitor on # 2 pump (5 HP Flygt)
- Installed new # 1 pump (5HP Flygt)

Trammel Estates Pump Station

- Replaced impeller and wear ring on # 2 pump (7.5 HP Flygt)

Eureka and Judy Lane Pump Station

- Pulled # 1 pump and took to JTE for evaluation (4 HP Flygt)

Murphy Drive Pump Station

- Installed new heater
- Helped Vac Con crew clean wetwell

Dixie Pump Station

- Installed new # 2 pump (11 HP Flygt)

Collins Road Pump Station

- Replaced Transducer

Trammel Pump Station

- Installed new conduit and electrical junction box, rerouted all electrical going into the wetwell

Maryland East Pump Station

- Replaced control fuse

Seminole East Pump Station

- Replaced both batteries on the generator

Clayton Chapel Pump Station

- Replaced air filter on generator
- Replaced rotating assembly on # 1 pump (4" Gorman Rupp)



Memorandum

TO: Michael Clayton
FROM: Marybeth Eggleston
DATE: 3/4/2024
RE: Environmental Compliance & Safety Status Report

Soil samples were collected from Bailey, Dougan, and Hilburn land application sites.

The February safety training on "First Aid" was conducted via online activity. The video was posted, an email was sent out to all staff with instructions on how to access the video, and the timeline within to watch and send back signed acknowledgement.



MEMORANDUM

TO: Michael Clayton, Executive Director
FROM: Alice Fulk, Human Resources Director
DATE: 3/06/2024
RE: Human Resources Department Report

Recruiting and Hiring

- Open job postings for Instrumentation Control Technician, Pump Maintenance Mechanic, Utility Worker, Vac Truck Crew Assistant and Commercial Vehicle Driver . We filled one Vac Truck Crew Assistant. We have an offer extended for a Pump Maintenance Mechanic.

Employee Benefits

- The NLRW Retirement Committee from February that was canceled due to inclement weather is still in the process of being rescheduled.

New Website

- We have been working with website developers to get our new site up and running. We can accept online applications now.

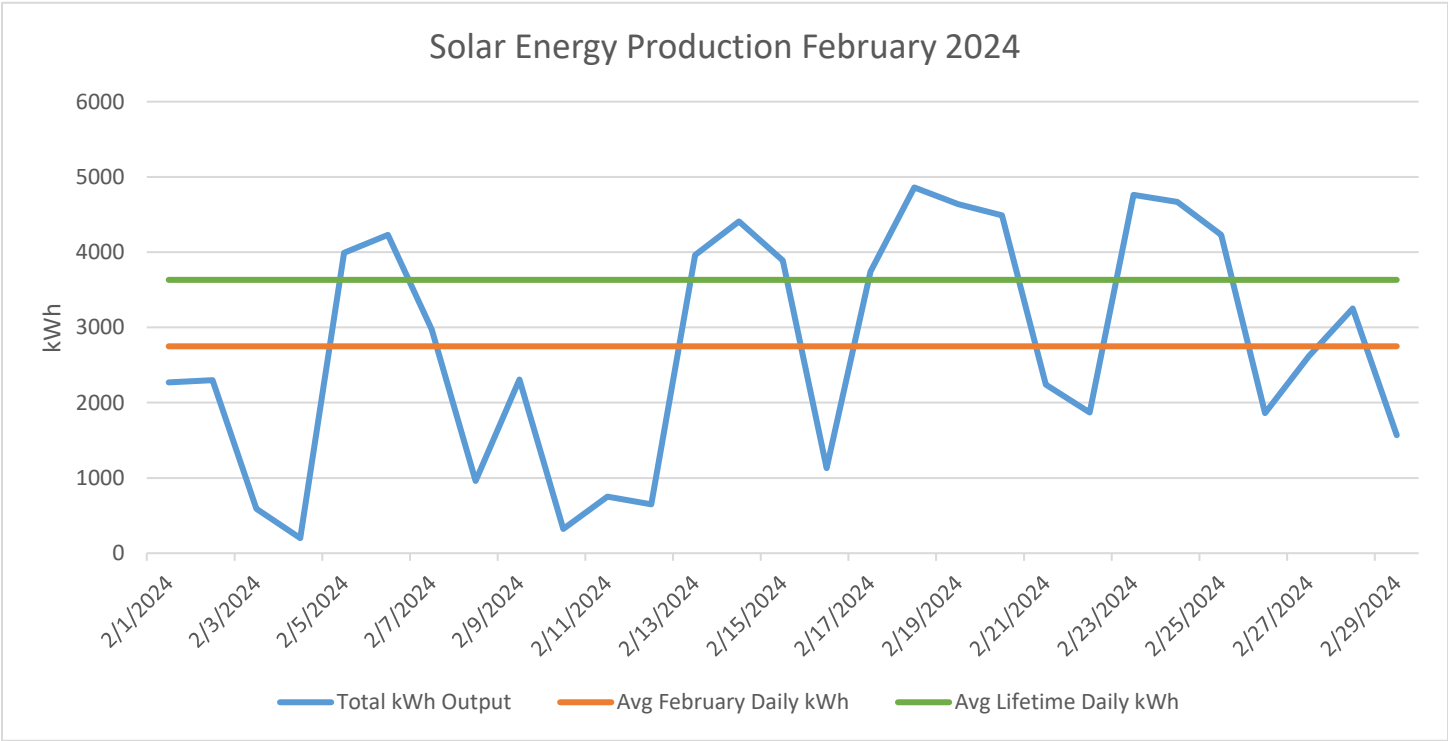
Training

- We recently had supervisor training on February 27, 2024. It focused on employment laws that supervisors should know.



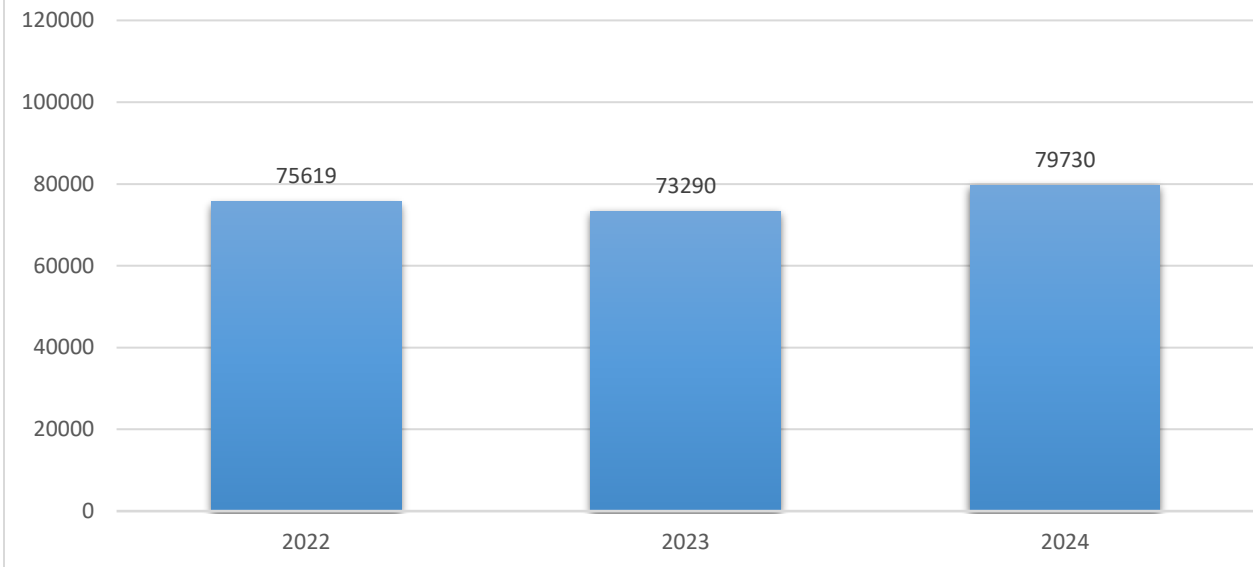
Memorandum

TO: Michael Clayton
FROM: Justin Shahan
DATE: March 4, 2024
RE: February Solar Plant Report

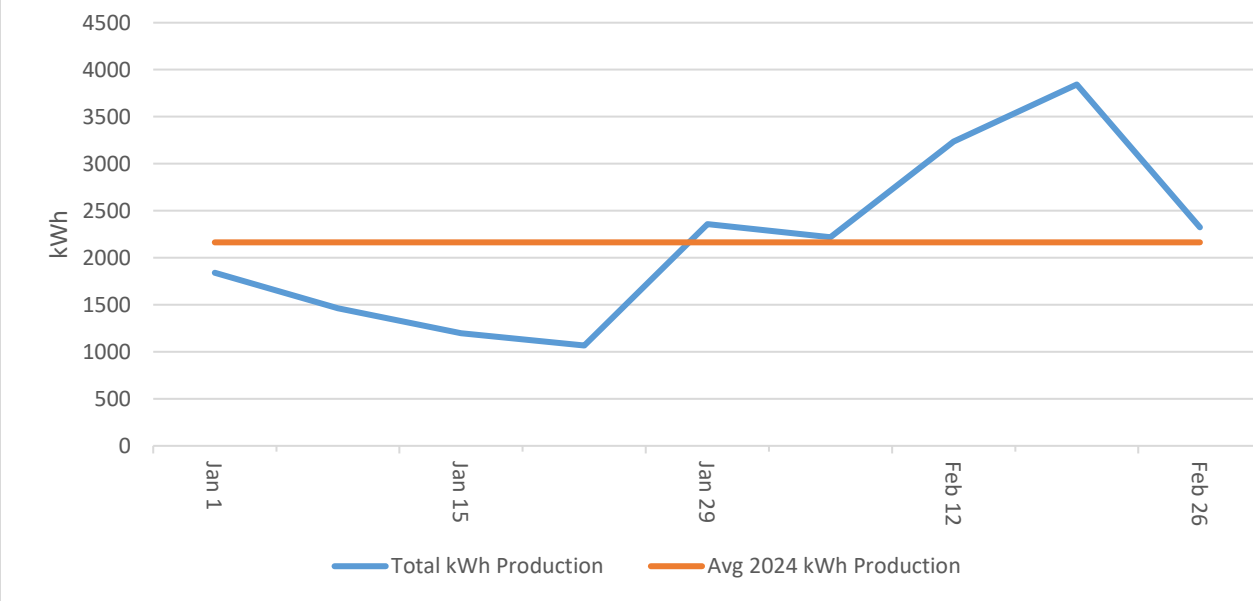


Week	kWh Production
February 1 – February 7	16550
February 8 – February 14	13360
February 15 – February 21	24990
February 22 – February 28	23260
February 29	1570
Total kWh=	79730
Average February Daily kWh	2749
Average Lifetime Daily kWh	3632

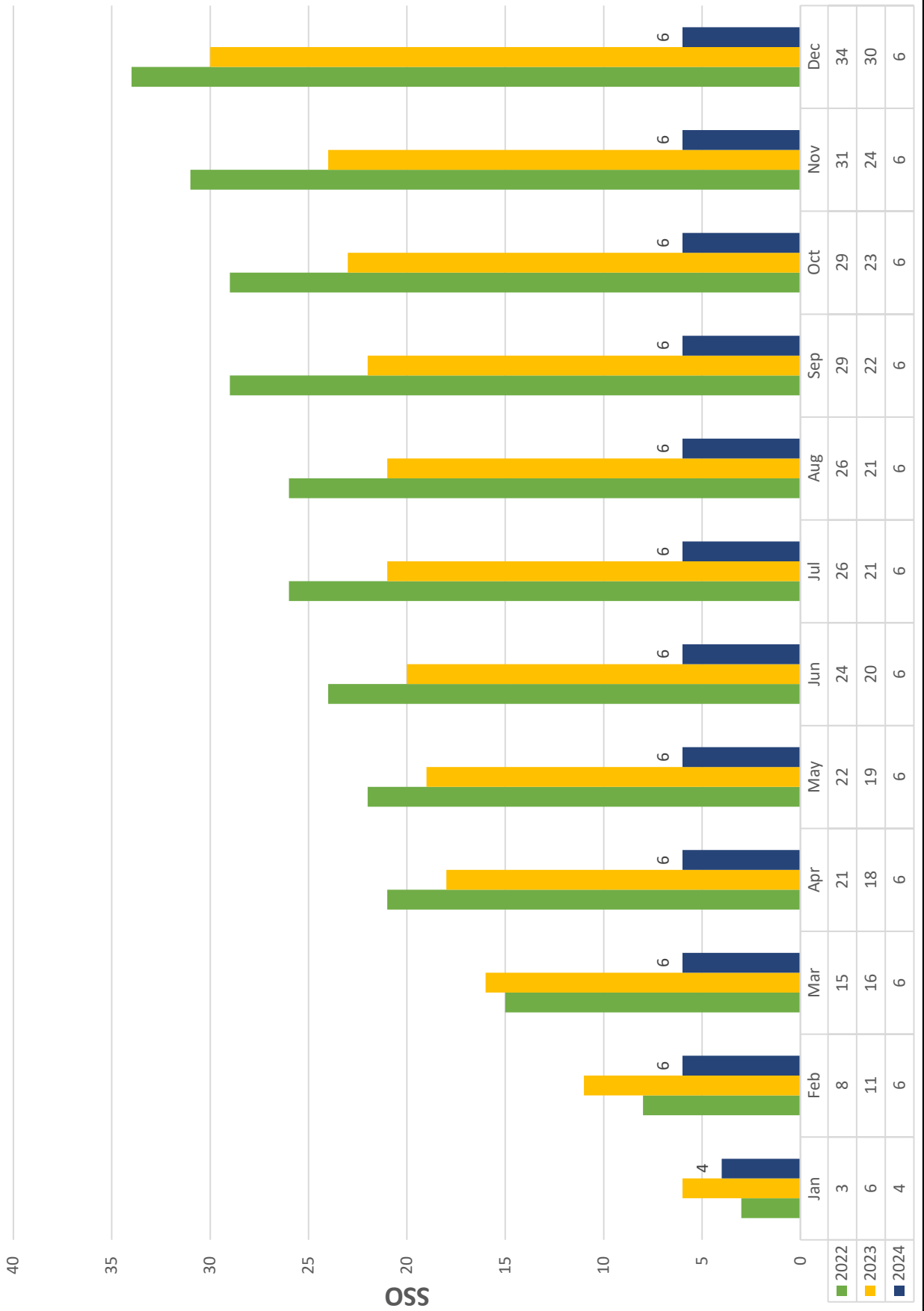
February Year over Year



2024 kWh Production YTD



Cumulative SSO YTD vs Last 3 Years





**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: March 12, 2024
TIME: 12:15 PM

- (1)** ROLL CALL OF THE COMMITTEE MEMBERS
- (2)** APPROVAL OF THE MINUTES OF THE FEBRUARY 13, 2024, MEETING
- (3)** SERVICE LINE REPLACEMENT INCENTIVE PROGRAM
- (4)** LEVY/PERSHING AREA PIPE BURSTING 2024 COLLECTION SYSTEM RENEWAL
- (5)** 2024 ANNUAL BIOSOLIDS REMOVAL AND BENEFICIAL REUSE



(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 February 13, 2024, Committee Meeting.



**NORTH LITTLE ROCK
WASTEWATER TREATMENT COMMITTEE**

MINUTES OF A MEETING HELD TUESDAY, FEBRUARY 13, 2024

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, February 13, 2024, in the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 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. Alice Fulk, Human Resources Director, Ms. Kayla Koba, Senior Accountant, Mr. Sam Hilburn with Hilburn & Harper, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its January 9, 2024, meeting. There being no questions or comments, a motion was made by Ms. Bryant, seconded by Ms. Hollowell, to approve the minutes of the January 9, 2024, meeting as submitted. The motion carried unanimously.

Next, the Committee reviewed the cash disbursements for January 2024. After review, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to approve the cash disbursements for January 2024 reflecting total cash disbursements of \$2,502,245.66 and fund transfers between accounts of \$1,538,797.84. The motion carried unanimously.

The Committee then reviewed the Financial Statement for January 2024. Mr. Nelson commented that revenues are down. Director Clayton advised that this is due to a duplicate payment made in December in the approximate amount of \$470,000.00 and is made up in January of 2024 so there is still a positive cash flow. There being no further discussion on the Financial Statement, a motion was made by Mr. Nelson, seconded by Ms. Hollowell, to approve the Financial Statement for January 2024. The motion carried unanimously.

Director Clayton then explained that the Pulaski Area Geographic Information System (PAGIS) began in 1990 as a cooperative venture among the City of Little Rock, Little Rock Municipal Water Works and the Little Rock Wastewater to combine the resources to economize the cost and standardization of GIS. Since 1990, Pulaski County, North Little Rock Wastewater, City of North Little Rock, City of Jacksonville and the City of Sherwood have joined as members of PAGIS.

The City of Maumelle City Council voted on December 18, 2023, to join PAGis. The Committee then reviewed the attached Interlocal Agreement which will need to be adopted as the sixth restatement and amendment to allow for the addition for the City of Maumelle to be part of PAGis. A motion was then made by Mr. Nelson, seconded by Ms. Bryant, to authorize the Director to execute the sixth restatement and amendment of the PAGis Interlocal Agreement to include the City of Maumelle as a member of the PAGis organization. The motion carried unanimously.

The Committee then discussed the annual PAGis operating dues. It was noted that engineering and maintenance/construction departments use GIS as part of everyday workflows managing the wastewater assets which include 17,913 manholes and 3,861,383 LF (731.3 miles) of sewer lines. The background and working data such as imagery, Lidar, elevations, streets, building outlines, address, parcel outlines, etc. is developed and maintained by PAGis staff. The annual dues payment for membership to the Pulaski Area Geographic Information System (PAGis) is due. The amount is \$42,087.30. This is an increase from last year's payment of \$39,705.00. A motion was then made by Ms. Hollowell, seconded by Mr. Nelson, to authorize the annual dues payment to PAGis in the amount of \$42,087.30. The motion carried unanimously.

Director Clayton explained to the Committee that the staff has prepared documents for pipe bursting an additional 64 gravity sewer line segments with a total of 10,882 linear feet of six-inch gravity sewer lines to be added to the existing contract under the Broadway Area Pipe Bursting 2023 Collection System Renewal Project. All prices are unit prices which have already been established by the existing contract except Item #1 for Mobilization and the estimates are based on extension of itemized quantities. All line segments are part of a special effort by staff to mitigate historical repetitive Sanitary sewer Overflows (SSOs) using a five-year look back. Attached to the Agenda is the proposed itemized Change Order #2 in the amount of \$1,317,847.00 to be added to the original contract amount plus previous Change Order #1 for a total contract amount of \$5,029,653.00. An additional 115 days will be added to the contract date for completion. A motion was made by Ms. Bryant, seconded by Mr. Nelson, to authorize the Director to execute Change Order #2 utilizing unit pricing from the Broadway Area Pipe Bursting 2023 Collection System Renewal Project. The motion carried unanimously.

The Committee discussed the Faulkner Lake Basin Hydraulic Model and Capital Improvement Plan (CIP). The proposal received from RJN Group for the development of a hydraulic model and CIP for the Faulkner Lake system, including the Eastside pressure system, requires careful consideration and evaluation. The Faulkner Lake Basin, being the oldest of the four major treatment basins in the

Utility's service area, presents significant challenges with its extensive network of 1.6 million feet or 220.7 miles of pipe. Since 2013, NLRW has completed or is under contract for 499,740 linear feet of sewer line rehabilitation. This represents about 43% of the entire Faulkner Lake Basin. There remains a pressing need to comprehensively analyze capacity restrictions and develop a CIP to address present and future challenges. Although declining population in some of the areas are contributing to the reduction of overall flow to the Faulkner Lake Water Reclamation Facilities, significant changes to density developments in the downtown area of North Little Rock are creating concern for hydraulic capacity of existing sewer facilities. The Utility's primary objective is to initiate the development of a hydraulic model to analyze capacity restrictions and formulate a CIP for the Faulkner Lake system using current trends or activity in the development or redevelopment zones. The calibrated hydraulic model will serve as a valuable tool in assessing capacity utilization across all collection system assets, providing essential recommendations for both the current system and anticipated developments. This proposed approach involves utilizing flow monitoring data as the foundation for calibrating and building a comprehensive hydraulic model for Faulkner Lake, encompassing the Eastside flow shed whereas the hydraulics perform differently than traditional open channel sewers. This model will be instrumental in identifying potential bottlenecks and formulating effective strategies for capacity improvements. The attached proposal from RJN Group is based on unit billing and lump sum basis for a total not-to-exceed fee of \$473,070.00. The NLRW 2024 Budget includes \$500,000.00 for a hydraulic model to begin this spring. After a lengthy discussion, a motion was made by Ms. Hollowell, seconded by Ms. Bryant, to authorize the Director to enter into a contract with RJN Group for the Faulkner Lake Basin Hydraulic Model and Capital Improvement Plan. The motion carried unanimously.

The Committee then discussed sponsorship of the North Little Rock Chamber of Commerce Annual Meeting. As per the North Little Rock Wastewater's policy, utilizing ratepayer funds for supporting nonprofit organizations or any entity requires full approval from the North Little Rock Wastewater Committee, adhering to Arkansas Code 14-234-307. The North Little Rock Chamber of Commerce has requested sponsorship from NLRW for a table accommodating ten individuals at their Annual Meeting, priced at \$1,000.00. The event is scheduled for Thursday, February 29, 2024, at the Simmons Bank Arena. While NLRW has historically supported local chamber events, recent deliberations by the Arkansas Legislature Joint Review Committee have highlighted concerns regarding public utilities' contributions to nonprofit organizations. Therefore, the NLRW has instituted a policy aligning with Arkansas Code 14-234-307 which was attached to the Agenda as Exhibit "A." A motion was then made by Mr. Nelson, seconded by Ms. Hollowell, to sponsor a table at the North Little Rock Chamber of Commerce's 29th Annual

Meeting at the cost of \$1,000.00 as required by Arkansas Code 14-234-307 and NLRW Policy. The motion carried unanimously.

Director Clayton advised that the Utility was in receipt of the invoices for property and general liability insurance for 02.01.2024 through 01.31.2025. The property insurance invoice total is \$102,386.75 which reflects a 20.37% increase. The motor vehicle insurance invoice total is \$41,930.67 which reflects a 19.49% increase. The total amount due is \$144,317.42. A motion was made by Ms. Bryant, seconded by Ms. Hollowell, to authorize payment to the Arkansas Municipal League in the amount of \$144,317.42 for property and general liability insurance. The motion carried unanimously.

Next, Director Clayton explained that The Five Mile Creek Water Reclamation Facility has two large pump stations, and each station is set up in a 4-pump station. They each have 2 small pumps to handle average daily flows. During wet weather events, both large 180 HP influent and both large 140 HP effluent pumps run concurrently to keep up with the high volume of flow coming into and out of the plant. The pumps are manufactured by Flygt and are some of the most robust and reliable pumps on the market. However, like anything else mechanical, they will fail at some point. The downside to Flygt pumps is the lead time on parts. Pumps of this size are custom designed for specific duty points and are built to order. Because of this, the turnaround for repairs has been in the 4-to-6 month range. Operating for extended periods without peak pumping capacity renders the Utility vulnerable to SSO's within the collection system and plant. The Faulkner Lake Water Reclamation Facility has two 150 HP Flygt pumps for average daily influent flow. They have been in service 11 years and have taken significant wear due to the high grit content of this facility's influent. These pumps are critical as they promote a steady flow rate, which encourages a more consistent Activated Sludge biological process for compliance. The facility also contains two 350 HP pumps for wet weather, but they are poorly suited for average daily flows. The staff has been working with the local Flygt rep, Jack Tyler Engineering, to determine which parts have long lead times and developed a budget figure for 2024. The staff would like to utilize this budget with the aim of obtaining parts on hand to expedite these critical pump repairs. The action-requested amount is actually an additional \$1,331.00, for a total of \$86,573.00. The difference is two additional feet to the length of the cable. Director Clayton went on to add that the spare parts will be held at the Utility until needed. A motion was then made by Ms. Bryant, seconded by Mr. Nelson, to authorize the staff to purchase a set of repair parts for each of these three different pump models from Jack Tyler Engineering in the amount of \$86,573.00. The motion carried unanimously.

The Committee then discussed an Engineering Services Agreement for the Maumelle Pump Station. The Maumelle Diversion Project was segregated into two major projects with Crist Engineers back in 2018. The first project was the Maumelle Treatment Plant conversion to an inline pumping station with equalization basin modifications. Crist Engineers completed the design for repurposing the existing influent pumping station as a collection system pumping station while Halff Associates completed the design of the equalization basin modification for the South Lagoon. While using the existing pumping station for the treatment plant and converting it for a different delivery of raw sewage to a force main to the White Oak Water Reclamation Facilities creates logistical challenges. The high level of difficulty of replacing the pumping station while keeping the pumping station running for the wastewater treatment plant created unnecessary elevated risks for contractors which drives up the inflationary cost to the project while reducing the available bidders for the project necessary for healthy competition. The second phase of the project is the completed design of the 24" force main from the Maumelle Water Reclamation Facilities to the White Oak Water Reclamation Facilities by Halff Engineers and Crist Engineers. Currently, NLRW has been working to acquire easements to facilitate this project and once all of the easements have been acquired, NLRW is authorized to bid the project. Further due to all the challenges in the construction industry with limited competition and inflationary pressures for complex projects, NLRW staff recommends simplifying the design and construction of the proposed pumping station facilities for the Maumelle Treatment Plant. The existing 53-year-old pumping station, which delivers raw sewage to the Maumelle Treatment Plant, would be left in its current operation during the construction of a new pumping station to minimize conflicts and logistical challenges. A design for a stand-alone pumping station at the Southwest corner of the existing South Lagoon creates the best location for a new pumping station while minimizing interruptions to the existing treatment plant. It is the best long-term solution for NLRW. In addition to the new pumping station, a new headworks facility is planned to be a favorable location near the existing influent piping. The Utility has been working with HDR and Halff Associates to develop a joint venture engineering design services for the pumping station, auxiliary power, electrical and controls building, headworks and modifications to the existing equalization lagoons. Funding for the engineering services for the design of the Maumelle Pumping Station and Facilities has been set aside in the 2024 budget. Director Clayton went on to add that the amount requested in the agenda is a lesser amount due to further negotiations. Therefore, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to authorize the Director to enter a contract not to exceed \$691,000.00 with HDR and Halff Associates, Inc. for the design of the Maumelle Pumping Station and Facilities. The motion carried unanimously.

The Executive Director then updated the Committee on the following:

1. An Offer and Acceptance with the City of North Little Rock for the acquisition of 30 acres of industrial property, located across the street from the Faulkner Lake WRF, was presented to the North Little Rock City Council at its February 12, 2024, meeting. The City Council authorized Mayor Hartwick to execute the documents to approve the sale.
2. Efforts to acquire a 15' easement for a parcel at the Northwest corner of the new Baptist Health Clinic, situated at the intersection of East Broadway and Baucum Pike, were unsuccessful. The easement is crucial for extending a sewer main to the East, facilitating a bore under East Broadway to connect the sewer line from the clinic to the NLRW system. Despite multiple attempts, the City was unable to secure the easement, leading to the introduction of proposed condemnation legislation at the Monday, February 12, 2024, City Council meeting.
3. Next, the Utility is doing a “deep dive” into the billing of its customers. In the past, there has been a billing issue with CAW. The Utility wants to ensure that its customers are being accurately billed.
4. The Utility is once again revamping the Service Line Incentive Program.
5. On January 18, 2024, the NAWCA hosted an online meeting with utility executives from various utilities in EPA Region 6 to address pressing issues for clean water agencies. It was discussed that the EPA is expected to announce PFAS as a toxic substance under the authority of CERCLA next month. Ms. Hollowell asked how this will impact the Utility. Director Clayton stated that this was an issue the NLRW has been watching and discussing for some time and they would stay on top of it.
6. On January 26, 2024, a detailed discussion took place between RJN Group and the Engineering Staff regarding flow monitoring and the development of a hydraulic model for the Faulkner Lake Basin. The staff has raised concerns about changes in density developments downtown and in the Lakewood/Dark Hollow areas. Additionally, the staff has expressed a need for a better understanding of the hydraulics

from the East side of the Faulkner Lake Basin around the Galloway interchange and Highway 165.

Upon motion made by Mr. Nelson, seconded by Ms. Hollowell, the Committee unanimously excused the absence of Mr. Stephens from the February 13, 2024, meeting.

There being no further action to come before the Committee, Chairman Matthews adjourned the meeting at approximately 1:15 p.m.

APPROVED AS TO FORM:

RESPECTFULLY SUBMITTED,

K. W. MATTHEWS, CHAIRMAN

VICE-CHAIRMAN/SECRETARY

(3)

Service Line Replacement Incentive Program

North Little Rock Wastewater is proposing a new program designed to encourage and assist homeowners with the replacement of aging sewer service lines. Since 2012, decreasing and eliminating inflow and infiltration (I/I) has been the number one objective for NLRW to reduce or eliminate Sanitary Sewer Overflows (SSO). During the last ten years, 542,431 linear feet of gravity sewer mains have been either rehabilitated or under contract for rehabilitation which is nearly 16% of the collection system for a total cost of \$42 million. In addition to the efforts to reduce I/I, NLRW Staff has been aggressively repairing and rehabilitating existing manholes throughout the collection system. During the same period, 10,041 manholes out of the 17,556 manholes which is 57% of the manholes throughout the collection system have been repaired or rehabilitated.

There are three major components of the collection system vulnerable to I/I. The first major component is the sanitary sewer gravity collection system consisting of 6" through 54" mains. The second component are the manholes or structures within the collection system and the last final component are the private service lines. NLRW has been aggressively working to reduce I/I in two of the three components within the overall collection system.

According to the Water Research Federation, 40 to 60% of total I/I is attributed to failing private service lines and by implementing a program to incentivize homeowners to modernize their service lines will have a positive impact reducing long-term I/I.

The SLIP program was originally approved by the Committee on July 13, 2021, for up to 100% of the first \$2,500 reimbursement to an eligible customer for replacing the service line for a residential structure. At the time the original SLIP program was submitted to the Committee, the average cost for a residential service line replacement was around \$3,500. Since July of 2021, construction inflation has increased the average cost of a residential service line replacement to around \$5,000. It is recommended to increase 100% of reimbursement to **\$3,500** for eligible customers to replace service lines.



General Points

- Eligibility Required: Only Domestic Customers with a 3/4" water meter or less will be eligible. Multi-family and commercial business will **not be** eligible for the program.
- Replacement of the entire service line from house to curb is required. Point repairs or partial replacement of service lines are not eligible under this program.
- If under Street, the existing Customer Assistance Program to assist with the street replacement will apply.
- A Licensed Master Plumber is required to perform the work.
- The homeowner is responsible for payments to the plumber and NLRW will reimburse the eligible homeowner using the administrative review process.
- Automatic Inclusions:
 1. Existing service line is Clay, Concrete or Orangeburg materials,
 2. The construction of the residence is greater than 50 years old,
- Exclusions:
 1. If service can be restored by clearing blockage or routine cleaning,
 2. If point repair is sufficient to remedy the issue
- Seed Money for 2023: \$350,000 for up to 100 service line replacements.
- Number of Accounts with Residential 5/8" meters: 36,920.
- Utilize a program fee of \$1.40 per Residential customer per month to generate approximately \$619,500 per year and provide up to 177 service lines to be replaced on an annual basis.

ACTION REQUESTED

Authorize the Director to utilize the services of Hilburn & Harper LTD to develop an ordinance implementing the Service Line Incentive Program with proposed program fee and submit proposed program to the Mayor for approval by the
North Little Rock City Council.



SERVICE LINE
INCENTIVE
PROGRAM (SLIP)

North Little Rock Wastewater

March 7, 2024

Summary

The Service Line Incentive Program (SLIP) both aids North Little Rock Wastewater (NLRW) customers and improves the community's sewer system overall by reimbursing property owners up to \$3,500 for replacing their aging and failing private sewer service lines.

A failing service line is expensive to maintain, can cause unpleasant and hazardous situations for the resident, and contributes to similarly unpleasant and hazardous situations for the public. Inflow and infiltration (I/I) of groundwater into the sewer system contributes to Sanitary Sewer Overflows (SSOs) in the North Little Rock area. Over the last ten years, NLRW has made great progress in reducing I/I in public sewer lines and manholes, but research by the Water Research Federation shows that 40-60% of I/I originates from failing private service lines.

Unfortunately, the cost of replacing failing service lines falls on the shoulders of individual property owners. In 2023, service line replacements cost on average \$5,000, which many owners simply cannot afford. The Service Line Incentive Program reduces the cost barrier by reimbursing property owners up to \$3,500 of service line replacement costs.

This document supplements the implementing ordinance. Key components of the ordinance include:

1. Funding – The Program is funded by a \$1.40 fee applied to all domestic customers' monthly bills.
2. Eligibility – Domestic service lines that are deficient or meet other criteria based on age or material are eligible.
3. Reimbursement – If approved, a property owner receives a one-time reimbursement of the costs to completely replace their service line, up to a maximum of \$3,500.

Section 1 – Definitions

- **NLRW** is North Little Rock Wastewater and is interchangeable with Utility.
- **Domestic Customer** is defined as single family residences or duplex which utilize meters of 3/4" or less and is paying the amount specified in the ordinance for the SLIP.
- **Property Owner** is the person recorded with the appropriate county as a property's owner.
- **SLIP** is Service Line Incentive Program.
- **Plan** is the Service Line Incentive Program (SLIP). Plan and SLIP are used interchangeably with Program.
- **Service Line** is the section of sanitary sewer pipe extending from outside of the building foundation to the sewer main. The building drain is specifically excluded from this definition. Private sanitary sewer, sewer service line, building sewer, private lateral, service line, private service line, service extension, service line extension, and lateral service line are used interchangeably for this Program.
- **Building Drain** is the lowest part of the interior horizontal piping conveying all water-borne waste inside the walls of a building to the service line. The building drain ends immediately outside of the building foundation, is the sole responsibility of the property owner, and is excluded from the SLIP.
- **Licensed Master Plumber** is as defined by the Arkansas Plumbing Code and is in possession of a business license recognized by the city where the work is performed.
- **CCTV** is closed-circuit television.
- **Plan Administrator** is the individual designated by NLRW to oversee the Program.
- **Supporting Documentation** is any of the accepted methods to prove eligibility as defined in **Section 4 – SLIP Process, Application**
- **Point Repair** is a service line repair that does not exceed twenty feet (20') in length.
- **Sewer Main** is a sanitary sewer to which all owners of abutting properties have equal rights. Sewer mains are maintained and controlled by NLRW. Typically, no sewer line smaller than six (6) inches in diameter is a sewer main.

Section 2 – Property Owner Responsibilities

The property owner is legally responsible for:

- All labor and material costs incurred in replacing their service line.
 - All invoices shall be sent to the property owner.
- Costs exceeding the maximum total reimbursement, **\$3,500**.
- Contracting all services required to replace their service line.
 - Agreements are with the property owner and do not involve NLRW.
- All service line work.
- Managing all repairs or replacements, including those required by NLRW.

The property owner is encouraged to obtain quotes from multiple Licensed Master Plumbers.

To be eligible for the program, the property owner must submit a completed application to NLRW prior to beginning any work. Eligibility criteria and Program exclusions are discussed in Section 4 – Process.

NLRW reserves the right to limit the number of applications approved each year based on the funds available. Property owners are limited to one approved application for rental property and one approved application for their own residence per calendar year.

Section 4 – SLIP Process

Typically, the property owner is made aware of the need to replace or repair their service line by one of the two methods listed below.

1. The property owner is informed of the need to repair or replace their service line either by a Licensed Master Plumber or through their own investigation.
2. NLRW notifies the residential customer or property owner that their service line needs to be repaired or replaced as discovered through a service call, smoke testing, routine maintenance, or any other method.

Application

The property owner may apply for acceptance into the SLIP using the following process:

1. The property owner requests an application for the SLIP from NLRW.
 - i. The application form can be obtained in person, by email request, by mail request, or by verbal request.
2. The property owner completes, signs, and returns the application along with all applicable supporting documentation. Examples of supporting documentation are listed below, but other methods may be considered on an individual basis.
 - i. CCTV footage of the service line with the address, date, time, and operator clearly displayed. An NLRW representative must be present during the videoing process.
 - ii. Photographic evidence of clearly identifiable defects of the service line.
 - iii. A written statement from an NLRW inspector or the plan administrator.
 - iv. Record of the residence being more than 50 years old and of the service line being original to the residence.
3. The plan administrator reviews the application in a timely manner and responds to the property owner within five (5) business days.

The following are **automatic exclusions** from the SLIP. Unless an automatic inclusion applies, an application submitted for any of the following will be denied.

- The service line can be restored by routine cleaning.
- The service line can be restored by clearing the blockage.
- A point repair is sufficient to alleviate or correct the defect.

This list is not exhaustive, and the property owner may be excluded from the Program for other reasons.

The following are **automatic inclusions** into the SLIP, provided that sufficient funds are available and the property owner has not previously been accepted into the SLIP in the calendar year:

- The service line is greater than 50 years old.
- The service line is made of material that does not meet NLRW Standard Specifications. Such materials include but are not limited to:
 - Clay
 - Concrete
 - Orangeburg

Administrative Review

The plan administrator reviews the application and may take any, all, or none of the following actions:

1. Schedule a site visit with the residential customer, property owner, or Licensed Master Plumber to gather supplemental information necessary to make an eligibility determination.
2. Require more information from the property owner or Licensed Master Plumber.
3. Require CCTV video evidence. A representative of NLRW must be present during the video process. This action may require a four (4") inch double cleanout to be installed at the property owner's expense.
4. Choose to use a different method to determine eligibility.

The property owner may choose to excavate (daylight) a three (3) foot section to verify the material of the service line.

The plan administrator notifies the applicant in writing of their acceptance or denial.

1. **Accepted:** The plan administrator notifies the applicant of their acceptance into the Program.
2. **Denied:** The plan administrator notifies the applicant of the reason for their denial.

Appeal Process

An applicant who is denied acceptance into the SLIP may appeal the decision in accordance with the process described below.

1. The property owner notifies the plan administrator of their appeal, clearly stating in writing the reasoning for the appeal.
 - i. The customer should include any additional supporting documentation.
 - ii. If the plan administrator fails to find additional reason to admit the property owner into the SLIP, a second denial will be issued.
2. The property owner may appeal the plan administrator's second decision by notifying, in writing, the NLRW's Executive Director or designee.
3. If the appeal is unsuccessful, it may be further appealed to the North Little Rock Wastewater Treatment Committee who will make the final determination during its regularly scheduled monthly meeting.

Service Line Replacement

Upon acceptance into the Program, the property owner may begin work.

1. The property owner is encouraged to obtain quotes from at least two Licensed Master Plumbers.
2. The Licensed Master Plumber or property owner secures all relevant permits and utility locations prior to construction. Property owner must verify with NLRW that the Master Plumber they intend to use is in good standing with NLRW. The property owner or Licensed Master Plumber obtains all City and NLRW required permits prior to starting work.
3. The property owner or Licensed Master Plumber replaces the service line and completes all work except backfilling the trench. All construction methods and materials must conform to the current NLRW Standard Specifications.
 - i. The new service line shall use the existing point of connection to the sewer main unless otherwise approved by NLRW.
4. The property owner or Licensed Master Plumber schedules a service line inspection with NLRW.
5. The property owner or Licensed Master Plumber may backfill and complete any other construction activities after NLRW approves the installation.

Reimbursement

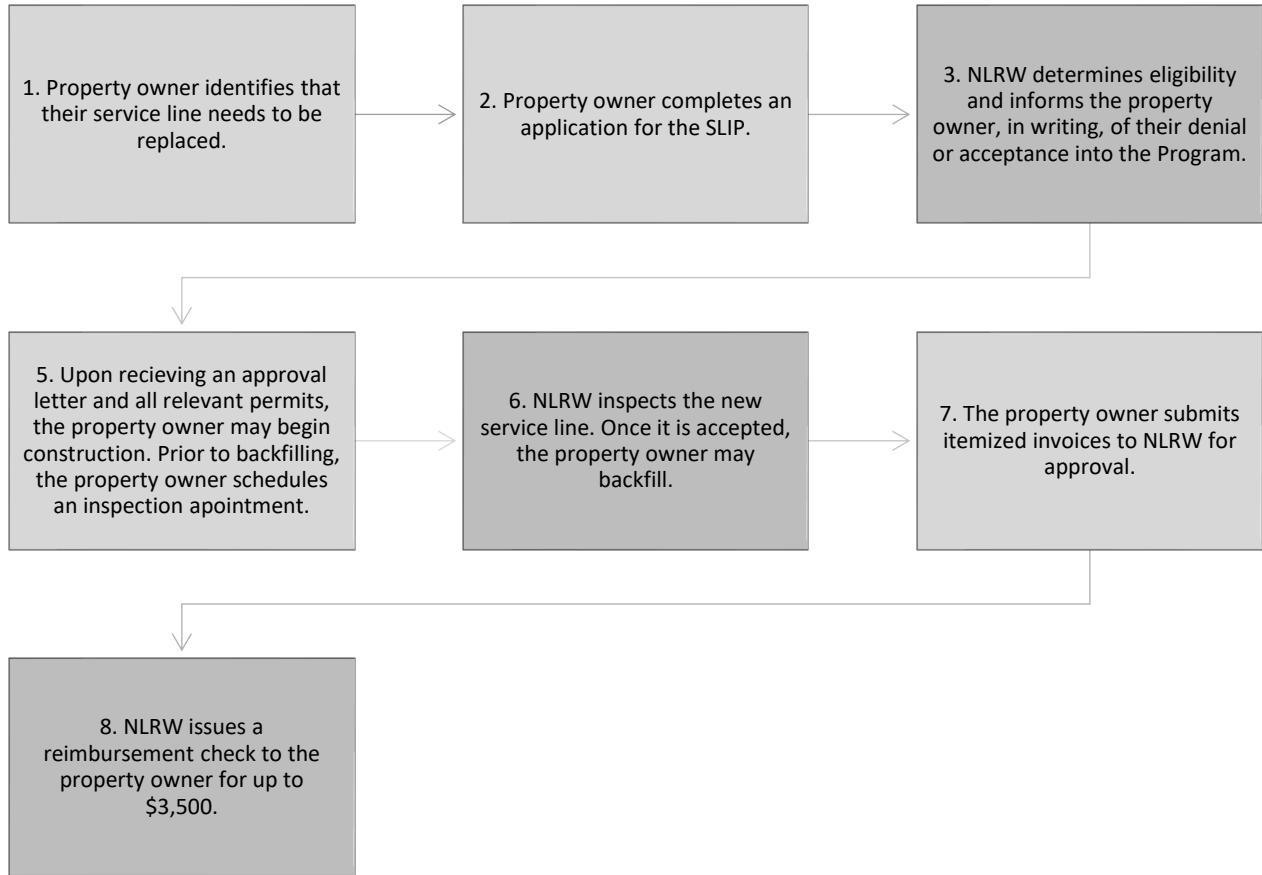
The property owner submits a completed reimbursement request form along with all itemized invoices and receipts to NLRW for approval. Reimbursement must be requested within ninety (90) days of the final inspection of the service line. Reimbursement may be denied if the service line was replaced before the SLIP application was approved or if the work is incomplete. The plan administrator will review the submitted documents and may request more information if needed.

1. The property owner submits a completed reimbursement request form along with copies of all invoices and receipts to NLRW for approval within 90 days of the final inspection. Invoices and receipts must be itemized. Reimbursement request forms are available upon request once the work is completed.
2. The plan administrator reviews the invoices to determine eligible expenses and the amount of reimbursement.

- i. Eligible Expenses
 - i. Invoices from a Licensed Master Plumber for labor, materials, and other applicable plumbing services.
 - ii. Invoices for materials and equipment utilized by property owner, if no Licensed Master Plumber is retained.
 - iii. Invoices for permits, inspections, fees, and other normal and incidental costs.
 - iv. Invoices for the restoration of pavement or landscaping disturbed directly by the service line repair.
 - v. Invoices for the procurement and installation of a service line two-way cleanout (4") at the foundation of the building if such a fixture does not currently exist.
 - vi. Invoices for the procurement and installation of a service line double cleanout (4") at the property line, if the service line extends into a public right-of-way and such a fixture does not currently exist.
 - ii. Ineligible Expenses
 - i. Service calls, point repairs, cleaning, or maintenance.
 - ii. Disconnection and/or rerouting of sump pumps, roof drains, area drains, and other non-wastewater facilities.
 - iii. Damaged or substandard materials that do not conform to the NLRW Standard Specifications.
 - iv. The labor of the property owner, should they choose to forego the use of a Licensed Master Plumber.
3. NLRW issues a check of up to \$3,500 to the property owner if funds are available. NLRW shall make every effort to release the reimbursement to the property owner as quickly as possible.

Reimbursements are issued in the order in which the applications are approved, as funds are available. Once the funds are exhausted, Program reimbursements are suspended until the end of the first quarter of the following calendar year. Applications received after the Program's funding has been exhausted for the year are queued in the order in which they are received. These applications are the first to receive consideration as funds become available.

SLIP Flow Chart



*If the application is denied, the property owner may appeal the decision using the steps in the SLIP Appeal Process.

Appendix A



Service Line Incentive Program Application Form

Resident Information

Full Name: _____ Date: _____
Last First M.I.

Address: _____
Street Address Apartment/Unit #

_____ *City State ZIP Code*

Phone: _____ Email: _____

Property Owner Information

Check here if same as resident

Full Name: _____ Date: _____
Last First M.I.

Address: _____
Street Address Apartment/Unit #

_____ *City State ZIP Code*

Phone: _____ Email: _____

Work Site Information

Work Site Address

Check here if same as resident address

Address: _____
Street Address Apartment/Unit #

_____ *City State ZIP Code*

Residential structure is (check one): Single Family Duplex Other

1. What is the nature of the service line problem?

2. Is the service line flowing?

3. Did a professional plumber attempt to resolve the problem with the service line? If yes, what was found?

4. Is this a recurring problem with the service line?

5. What year was the residence built? (approximate if unknown)

6. What is the diameter, age, and material of the service line?

7. Is there a cleanout access for the service line? If so, where is it located?

Disclaimer and Signature

Resident

By signing this Application, the signee acknowledges the validity of these documents, grants permission to employees of NLRW access to those parts of the system outside of the residence, and certifies that the residence is occupied by the signing party.

Signature: _____ Date: _____

Owner

By signing this Application, the signee acknowledges the validity of these documents, grants permission to employees of NLRW access to those parts of the system outside of the residence, and certifies that the residence is owned by the signing party.

Signature: _____ Date: _____

(4)

LEVY/PERSHING AREA PIPE BURSTING 2024 COLLECTION SYSTEM RENEWAL

Bids were received for the Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal on February 22, 2024, at 2:00 P.M. The project includes rehabilitation using the pipe bursting method for approximately 44,183 linear feet of 6", 8" and 10" gravity sewer mains.

Bids were submitted by Arkansas Cleaning and Televising LLC, Heller Company and Horseshoe Construction, Inc. The lowest bidder was Horseshoe Construction, Inc. at \$5,496,929.30, the second lowest bidder was Arkansas Cleaning and Televising LLC at \$5,760,012.00 and the third bidder was Heller Company which came in at \$6,308,010.50. A copy of the Bid Tabulation is attached.

The bid form was set up as a unit price contract whereas the actual quantities to complete the job will be controlling the final price for the contract to complete the project. In this project, there are 48 items used to determine the pricing on a unit basis which will and can vary greatly from the estimated quantities to complete this project. There are concerns with a few of the unit pricing items creating an unbalanced bid for the overall contract. It is essential that prices for unit quantities are fair and balanced to be a responsible bidder. Public entities have the discretion to determine a bidder's responsibility, which includes assessing the fairness and balance of unit prices to ensure they are reasonable and reflective of the actual quantities needed to complete the project. This is important to prevent unbalanced bids that could lead to issues during the project execution.

It is recommended to carefully review the unit price items along with the historical performances from other contracts regarding complaints from City officials and customers affected by the construction projects.

The project will be funded from the NLRW reserves in the 2024 Budget.

ACTION REQUESTED

Authorize staff to award the contract for the Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal to lowest responsible bidder.



Bid Tabulation Sheet

Levy/Pershing Area Pipe Bursting 2024 Collection System Renewal
North Little Rock Wastewater Utility

Bid Opening on February 22, 2024 at 2:00 PM

Page 1 of 1

Item No.	Description	Units	Quantity	Arkansas Cleaning & Televising LLC		Heller Company		Horseshoe Construction, Inc.	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Mobilization	L.S.	1	\$ 50,000.00	\$ 50,000.00	\$ 400,000.00	\$ 400,000.00	\$ 80,000.00	\$ 80,000.00
2	Performance and Payment Bond	L.S.	1	\$ 48,000.00	\$ 48,000.00	\$ 70,000.00	\$ 70,000.00	\$ 120,000.00	\$ 120,000.00
3	Certificates and Insurance	L.S.	1	\$ 20,000.00	\$ 20,000.00	\$ 25,000.00	\$ 25,000.00	\$ 50,000.00	\$ 50,000.00
4	Clean and TV 6" Sanitary Sewer Mains	L.F.	43,630	\$ 5.00	\$ 218,150.00	\$ 4.00	\$ 174,520.00	\$ 5.50	\$ 239,965.00
5	Pipe Burst 6" to 8" HDPE	L.F.	43,630	\$ 68.00	\$ 2,966,840.00	\$ 74.00	\$ 3,228,820.00	\$ 65.00	\$ 2,835,950.00
6	Clean and TV 8" Sanitary Sewer Mains	L.F.	553	\$ 6.00	\$ 3,318.00	\$ 4.00	\$ 2,212.00	\$ 5.50	\$ 3,041.50
7	Pipe Burst 8" to 8" HDPE	L.F.	394	\$ 75.00	\$ 29,550.00	\$ 74.00	\$ 29,156.00	\$ 80.00	\$ 31,520.00
8	Pipe Burst 10" to 10" HDPE	Each	159	\$ 135.00	\$ 21,465.00	\$ 100.00	\$ 15,900.00	\$ 120.00	\$ 19,080.00
9	Pipe Burst 6" to 8" by means of Static Pull Method (including Surface Restoration for Insertion and Receiving Pits)	L.F.	500	\$ 160.00	\$ 80,000.00	\$ 50.00	\$ 25,000.00	\$ 20.00	\$ 10,000.00
10	Pipe Burst 8" to 8" by means of Static Pull Method (including Surface Restoration for Insertion and Receiving Pits)	L.F.	500	\$ 160.00	\$ 80,000.00	\$ 50.00	\$ 25,000.00	\$ 20.00	\$ 10,000.00
11	Asphalt Street Repair	S.Y.	2,750	\$ 135.00	\$ 371,250.00	\$ 89.00	\$ 244,750.00	\$ 225.00	\$ 618,750.00
12	Asphalt Alley/Drive/Parking Repair	S.Y.	750	\$ 80.00	\$ 60,000.00	\$ 89.00	\$ 66,750.00	\$ 60.00	\$ 45,000.00
13	4" Service Reinstatement (Machine Dig)	Each	702	\$ 1,100.00	\$ 772,200.00	\$ 1,200.00	\$ 842,400.00	\$ 1,000.00	\$ 702,000.00
14	4" Service Reinstatement (Hand Dig)	Each	15	\$ 1,400.00	\$ 21,000.00	\$ 300.00	\$ 4,500.00	\$ 14.00	\$ 210.00
15	4" Service Line Replacement	L.F.	1,000	\$ 6.00	\$ 6,000.00	\$ 10.00	\$ 10,000.00	\$ 2.00	\$ 2,000.00
16	4" Service Line Additional Footage	L.F.	1,500	\$ 25.00	\$ 37,500.00	\$ 10.00	\$ 15,000.00	\$ 2.00	\$ 3,000.00
17	4" Double Cleanout	Each	200	\$ 500.00	\$ 100,000.00	\$ 100.00	\$ 20,000.00	\$ 25.00	\$ 5,000.00
18	Standard 4" Manhole 0-6' depth	Each	10	\$ 5,000.00	\$ 50,000.00	\$ 5,500.00	\$ 55,000.00	\$ 4,000.00	\$ 40,000.00
19	Standard 4" Manhole additional depth	V.F.	100	\$ 300.00	\$ 30,000.00	\$ 250.00	\$ 25,000.00	\$ 5.00	\$ 500.00
20	Abandon and Fill Manhole	Each	5	\$ 400.00	\$ 2,000.00	\$ 250.00	\$ 1,250.00	\$ 100.00	\$ 500.00
21	Point Repair (Paved Areas) 0-6' Depth	Each	5	\$ 1,000.00	\$ 5,000.00	\$ 1,115.00	\$ 5,575.00	\$ 25.00	\$ 125.00
22	Point Repair (Paved Areas) Greater than 6' Depth	V.F.	25	\$ 100.00	\$ 2,500.00	\$ 50.00	\$ 1,250.00	\$ 10.00	\$ 250.00
23	Class 7 Material Compacted Backfill in Trench for Paved Reconstructions or Repairs	Tons	3,513	\$ 80.00	\$ 281,040.00	\$ 50.00	\$ 175,650.00	\$ 105.00	\$ 368,865.00
24	Point Repair (Non-Paved Areas) 0-6' Depth	V.F.	5	\$ 1,000.00	\$ 5,000.00	\$ 800.00	\$ 4,000.00	\$ 20.00	\$ 100.00
25	Point Repair (Non-Paved Areas) Greater than 6' Depth	V.F.	25	\$ 100.00	\$ 2,500.00	\$ 60.00	\$ 1,500.00	\$ 8.00	\$ 200.00
26	Replace Concrete Driveway	S.Y.	350	\$ 120.00	\$ 42,000.00	\$ 85.00	\$ 29,750.00	\$ 100.00	\$ 35,000.00
27	Replace Concrete Sidewalk	S.Y.	55	\$ 130.00	\$ 7,150.00	\$ 85.00	\$ 4,675.00	\$ 100.00	\$ 5,500.00
28	Replace Curb and Gutter	L.F.	225	\$ 40.00	\$ 9,000.00	\$ 30.00	\$ 6,750.00	\$ 35.00	\$ 7,875.00
29	Vegetation Restoration with Solid Sod and 4" of Topsoil	S.Y.	2,400	\$ 10.00	\$ 24,000.00	\$ 8.50	\$ 20,400.00	\$ 20.00	\$ 48,000.00
30	Fence Removal & Replacement	L.F.	200	\$ 40.00	\$ 8,000.00	\$ 40.00	\$ 8,000.00	\$ 75.00	\$ 15,000.00
31	Remove and Replace Concrete Ditch/Slab	S.Y.	25	\$ 100.00	\$ 2,500.00	\$ 100.00	\$ 2,500.00	\$ 20.00	\$ 500.00
32	Trench Safety System	L.S.	1	\$ 100,000.00	\$ 100,000.00	\$ 330,000.00	\$ 330,000.00	\$ 10,000.00	\$ 10,000.00
33	CC TV 8"-10" Sanitary Sewer Mains for Acceptance Review	L.F.	44,183	\$ 3.00	\$ 132,549.00	\$ 2.50	\$ 110,457.50	\$ 1.60	\$ 70,892.80
34	Traffic Control	L.S.	1	\$ 50,000.00	\$ 50,000.00	\$ 160,000.00	\$ 160,000.00	\$ 30,000.00	\$ 30,000.00
35	Seeding and Mulching	S.Y.	20	\$ 6.00	\$ 120.00	\$ 6.00	\$ 120.00	\$ 5.00	\$ 100.00
36	Remove Tree-6" Diameter measured 4.5' above ground	Each	10	\$ 400.00	\$ 4,000.00	\$ 250.00	\$ 2,500.00	\$ 20.00	\$ 200.00
37	Retaining Wall Removal and Replacement	S.F.	300	\$ 50.00	\$ 15,000.00	\$ 20.00	\$ 6,000.00	\$ 10.00	\$ 3,000.00
38	Construct Concrete Storm Drain Conflict Box - Minimum 5x5'	Each	5	\$ 2,000.00	\$ 10,000.00	\$ 4,000.00	\$ 20,000.00	\$ 500.00	\$ 2,500.00
39	Install 8" PVC by Means of Open Cut Construction	L.F.	500	\$ 85.00	\$ 42,500.00	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00
40	Trench and Backfill for Open-Cut 0-6' Depth	L.F.	100	\$ 24.00	\$ 2,400.00	\$ 25.00	\$ 2,500.00	\$ 80.00	\$ 8,000.00
41	Trench and Backfill for Open-Cut 6'-8' Depth	L.F.	120	\$ 26.00	\$ 3,120.00	\$ 35.00	\$ 4,200.00	\$ 18.00	\$ 2,160.00
42	Trench and Backfill for Open-Cut 8'-10' Depth	L.F.	100	\$ 29.00	\$ 2,900.00	\$ 45.00	\$ 4,500.00	\$ 20.00	\$ 2,000.00
43	Trench and Backfill for Open-Cut 10'-12' Depth	L.F.	100	\$ 30.00	\$ 3,000.00	\$ 65.00	\$ 6,500.00	\$ 22.00	\$ 2,200.00
44	Trench and Backfill for Open Cut-12' Depth	L.F.	80	\$ 32.00	\$ 2,560.00	\$ 150.00	\$ 12,000.00	\$ 24.00	\$ 1,920.00
45	Service Connection Verification Dig	Each	10	\$ 100.00	\$ 1,000.00	\$ 350.00	\$ 3,500.00	\$ 1,000.00	\$ 10,000.00
46	Replace Outside Drop with DIP Outside Deep (0-12')	Each	20	\$ 1,000.00	\$ 20,000.00	\$ 2,000.00	\$ 40,000.00	\$ 30.00	\$ 600.00
47	Replace Outside Drop with DIP Outside Deep >12'	V.F.	25	\$ 100.00	\$ 2,500.00	\$ 125.00	\$ 3,125.00	\$ 5.00	\$ 125.00
48	Install 6" High Early Strength 4500 psi concrete	S.Y.	100	\$ 125.00	\$ 12,500.00	\$ 125.00	\$ 12,500.00	\$ 55.00	\$ 5,500.00
				\$5,760,012.00	\$5,760,012.00	\$6,308,010.50	\$6,308,010.50	\$5,496,923.30	\$5,496,923.30



Scott Kerby, P.E.
North Little Rock Wastewater
7400 Baucum Pike
North Little Rock, AR 72117

ENGINEER:

Items in red indicate a discrepancy on the Bid Form

I hereby certify that this is a true and correct copy of bids received on February 22, 2024 at 2:00 PM.

Scott Kerby, P.E.
North Little Rock Wastewater



3/8/24

(5)

2024 Annual Biosolids Removal and Beneficial Reuse Project

Staff received bids for the “2024 Annual Biosolids Removal and Beneficial Reuse” project for the Five Mile Creek and Faulkner Lake Water Reclamation Facilities on Thursday, February 22, 2024, at 1:00 PM. The Project consists of removal of biosolids from the polishing pond at the Five Mile Creek WRF and the west lagoon at Faulkner Lake WRF and land applying the biosolids at NLRW permitted fields located at Dougan Farms in the Galloway area. The contract is renewable for 2 additional years at the sole discretion of the Owner.

The low bid was submitted by DRT Biosolids, Inc. in the amount of \$1,055,500.00. A copy of the Certified Bid Tabulation is attached.

This project will be paid from the Biosolids Reserve Fund.

ACTION REQUESTED:

Authorize staff to award the contract for the 2024 Annual Biosolids Removal and Beneficial Reuse project for the Five Mile Creek and Faulkner Lake Water Reclamation Facilities to DRT Biosolids, Inc. of Bloomer, WI in the amount of \$1,055,500.00.



Bid Tabulation Sheet

**2024 Annual Biosolids Removal and Beneficial Reuse
North Little Rock Wastewater Utility**

Bid Opening on February 22, 2024 at 1:00 P.M.

Item No.	Description	Units	Quantity	DRT Biosolids, Inc.		Denali Water Solutions, LLC		Synagro		Spectrum Biotechnologies, LLC	
				Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount
1	Removal and Land Application of Biosolids from partially mixed aerated facultative lagoon	Dry Tons	3,500	\$ 125.00	\$ 437,500.00	\$ 198.00	\$ 693,000.00	\$ 385.00	\$ 1,277,500.00	\$ 800.00	\$ 2,800,000.00
2	Class 7 Base (SB-2)	Tons	200	\$ 30.00	\$ 6,000.00	\$ 32.00	\$ 6,400.00	\$ 28.75	\$ 5,750.00	\$ 50.00	\$ 10,000.00
3	Procurement, hauling, and application of lime at the rate specified in special conditions an	Tons	300	\$ 40.00	\$ 12,000.00	\$ 50.00	\$ 15,000.00	\$ 63.25	\$ 18,975.00	\$ 185.00	\$ 55,500.00
4	Removal and Land Application of Biosolids from Faulkner Lake WRF	Dry Tons	5,000	\$ 120.00	\$ 600,000.00	\$ 124.00	\$ 620,000.00	\$ 292.00	\$ 1,460,000.00	\$ 390.00	\$ 1,950,000.00
Totals					\$1,055,500.00		\$1,334,400.00		\$2,762,225.00		\$4,815,500.00
Bid Rank				1		2		3		4	

ENGINEER:

Scott Kerby, P.E.
North Little Rock Wastewater
7400 Baucum Pike
North Little Rock, AR 72117

I hereby certify that this is a true and correct copy of bids received on February 22, 2024.


 Scott Kerby, P.E.
 North Little Rock Wastewater



DIRECTOR'S HIGHLIGHTS

Michael Clayton

February 2024 Highlights

Property Acquisition with City of North Little Rock: An Offer and Acceptance for the acquisition of 30 acres of industrial property across from Faulkner Lake WRF was approved by the North Little Rock City Council on February 12, 2024. Currently, the surveyor is finalizing legal descriptions and easement documents before executing the Offer and Acceptance.

Easement Acquisition for Baptist Health Clinic: Efforts to acquire a 15' easement for a parcel at the Northwest corner of the new Baptist Health Clinic, located at East Broadway and Baucum Pike, are ongoing. We await the completion of the condemnation process by the City to proceed with scheduling the boring contractor and NLRW crews for installing gravity lines.

Wastewater Testing Discussion: On February 1, 2024, we engaged in discussions regarding testing illegal drugs in wastewater with a group collaborating with the Arkansas Water and Wastewater Manager's Association along with the AG's office. Plans for a pilot program to supplement current testing parameters were explored.

Biosolids Treatment and Handling: A comprehensive discussion with out-of-state vendors on February 8, 2024, explored various options for biosolids treatment and handling. Consideration for methane conversion to natural gas and anaerobic treatment with gas recapture to utilize available incentives was deliberated. Additionally, further discussions on commercializing biosolids as market-based fertilizer are underway.

Community Engagement: NLRW staff met with 6th and 7th graders from Maumelle Charter School on February 22, 2024, to discuss proposed improvements to the dog park at the Maumelle Water Reclamation Facilities.

Environmental Justice Zoom Meeting: On February 27, 2024, a Zoom meeting was convened with representatives nationwide to discuss Environmental Justice practices and programs, aiming to provide educational opportunities for funding projects.

Following an extensive review of the Service Line Incentive Program (SLIP), which was approved by the Committee in May 2023, minor modifications will be recommended for consideration at the March regular scheduled meeting.

