TREATMENT DEPARTMENT STATUS REPORT
SEPTEMBER, 2019 (AS OF 9/29/19)

	BOD	**TSS**
Faulkner Lake	2.8 mg/L (30 Max.)	2.8 mg/L (30 Max.)
Maumelle	9.0 mg/L (30Max.)	6.7 mg/L (30 Max.)

	CBOD	**TSS**
Five Mile	10.7 mg/L (25 Max.)	22.4 mg/L (90 Max.)
White Oak	7.5 mg/L (25 Max.)	22.0 mg/L (90 max.)

Jaime Marrow
Office Assistant II

2019 Year-To-Date Work Recap Report

Crews:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Y T D
MANHOLE:										
Disconnects	0	0	0	0	0	0	0	0	0	0
Taps	0	0	1	1	3	0	0	1	0	6
Repairs	113	108	85	87	96	21	11	17	6	544
# of MH's Grouted	110	101	78	79	97	20	9	26	23	543
#of Coats	0	0	0	0	0	0	9	26	23	58
MH Depth (Ft/In)	0.0	0.0	0.0	0	0.0	0.0	42	104	39.0	185
# of Bags of Grout	0	0	0	0	0	0	4	35	4	43
POWER DRIVE:										
# of Ft Cleaned	7,941	9,447	3,176	1,960	5,283	1,782	1,386	1,079	2,653	34,707
PWR RODDER #1:										
# of Ft Cleaned	1,133	3,510	0	599	1,402	0	136	0	0	6,780
REPAIR #1:										
Repairs	5	1	5	6	5	2	3	4	3	34
New Manholes	1	1	0	0	1	1	1	0	0	5
New Lines	0	0	0	0	0	0	1	0	0	1
Disconnects	0	0	0	0	0	0	0	0	0	0
Taps	1	0	0	1	0	2	0	0	0	4
Miscellaneous	17	26	17	12	8	5	5	8	9	107
REPAIR #2:										
Repairs	8	5	7	10	3	5	2	6	3	49
New Manholes	1	0	1	0	0	0	0	0	0	2
New Lines	0	0	1	0	0	1	0	0	0	2
Disconnects	0	0	0	0	0	0	0	0	0	0
Taps	0	0	0	1	0	0	0	0	0	1
Miscellaneous	16	15	16	12	10	13	1	13	11	107
REPAIR #3:										
Repairs	6	4	7	6	6	5	6	2	4	46
New Manholes	0	0	1	0	0	0	1	0	0	2
New Lines	0	0	0	0	0	0	1	0	0	1
Disconnects	0	0	0	0	0	1	0	0	0	1
Taps	0	0	1	2	0	1	0	1	0	5
Miscellaneous	13	12	9	6	4	13	3	9	5	74
REPAIR #4:										
Repairs	3	2	3	9	0	0	0	7	4	28
New Manholes	0	0	0	2	0	0	0	0	0	2
New Lines	1	0	0	1	0	0	0	0	0	2
Disconnects	15	9	5	12	3	0	0	0	0	44
Taps	0	0	0	0	0	0	0	0	1	1
Miscellaneous	12	17	22	26	22	0	117	56	15	287
TROUBLE:										
# of Ft Cleaned	240	0	0	0	150	175	0	310	0	875
Stop-Ups	11	9	9	15	5	3	3	7	2	64
Private Lines	37	40	37	54	37	18	13	17	14	267
Cave-Ins	3	7	4	9	3	2	2	12	7	49
Flooded Houses	0	0	0	0	0	0	0	0	0	0
Miscellaneous	62	38	64	71	64	73	79	68	43	562
Total Calls	111	93	114	149	109	96	97	104	66	939
VACCON #1:										
# of Ft Cleaned	19,847	20,690	18,200	25,489	30,975	23,322	34,316	19,772	24,298	216,909
VACCON #2:										
# of Ft Cleaned	33,897	16,494	28,637	24,988	21,475	23,384	7,978	3,831	33,462	194,146
VACCON #3:										
# of Ft Cleaned	39,512	48,015	47,885	33,411	45,767	32,674	36,744	35,075	37,401	356,484
VACCON #4:										
# of Ft Cleaned	3,493	956	0	0	1,220	8,108	6,486	2,173	8,211	30,647
VACCON #5:										
# of Ft Cleaned	25,093	24,945	24,834	22,051	31,629	10,316	27,065	20,991	16,301	203,225
T V #1										
# of Ft	19,499	12,261	11,624	16,368	28,399	18,906	23,452	13,942	15,526	159,977
T V #2										
# of Ft	14,552	13,564	17,965	15,838	18,815	17,597	17,770	11,895	17,888	145,884

NLR Wastewater
Maintenance & Repair Department
Work Recap by Ward
September-19

Crews:	Ward 0	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Total
MANHOLE:							
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Repairs	0	2	0	2	2	0	6
# of MH's Grouted	0	7	1	3	8	4	23
#of Coats	0	7	1	3	8	4	23
MH Depth (Ft/In)	0.0	6.0	9	0	0	24	39
# of Bags of Grout	0	3	0	0	1	0	4
POWER DRIVE:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
# of Ft Cleaned	0	1,360	0	1,293	0	0	2,653
PWR RODDER #1:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
# of Ft Cleaned	0	0	0	0	0	0	0
REPAIR #1:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
Repairs	0	1	0	0	2	0	3
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	1	4	2	1	1	0	9
REPAIR #2:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
Repairs	0	1	0	0	2	0	3
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	0	3	7	0	1	0	11
REPAIR #3:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
Repairs	0	0	2	1	1	0	4
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	1	0	1	0	3	0	5
REPAIR #4:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
Repairs	0	0	4	0	0	0	4
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	1	0	0	0	1
Miscellaneous	0	0	15	0	0	0	15
TROUBLE:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
# of Ft Cleaned	0	0	0	0	0	0	0
Stop-Ups	1	0	0	0	0	1	2
Private Lines	0	3	4	0	4	3	14
Cave-Ins	0	1	4	0	1	1	7
Flooded Houses	0	0	0	0	0	0	0
Miscellaneous	1	8	13	3	16	2	43
Total Calls	2	12	21	3	21	7	66
VACCON #1:	**Ward 0**	**Ward 1**	**Ward 2**	**Ward 3**	**Ward 4**	**Ward 5**	**Total**
# of Ft Cleaned	317	4,182	1,676	91	883	17,149	24,298
VACCON #2:							
# of Ft Cleaned	2,490	13,404	7,426	6,523	3,619	0	33,462
VACCON #3:							
# of Ft Cleaned	0	17,373	2,424	0	17,604	0	37,401
VACCON #4:							
# of Ft Cleaned	100	1,225	0	4,883	2,003	0	8,211
VACCON #5:							
# of Ft Cleaned	0	0	478	15,347	476	0	16,301
T V #1							
# of Ft	0	4,128	2,289	135	584	8,390	15,526
T V #2							
# of Ft	0	7,823	9,246	0	819	0	17,888

Faulkner Lake Basin

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	76.5	45.46	62.8	54.2	70.07	61.6	55.1	74.4	60.4
Overflows	61	63	36	21	27	19	14	32	16

White Oak Basin

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	68.6	46.56	50.75	44	68.7	51.2	56.1	84.4	59.1
Overflows	45	25	13	9	21	9	5	9	10

Five Mile Creek Basin

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	60.4	41.15	52.4	46.6	66.5	49.5	48.7	81.5	53.1
Overflows	16	12	14	15	5	5	9	7	3

Maumelle Basin

	2016	2017	2018	2019
Rainfall	41.1	51.4	71.2	48.7
Overflows	4	5	9	4

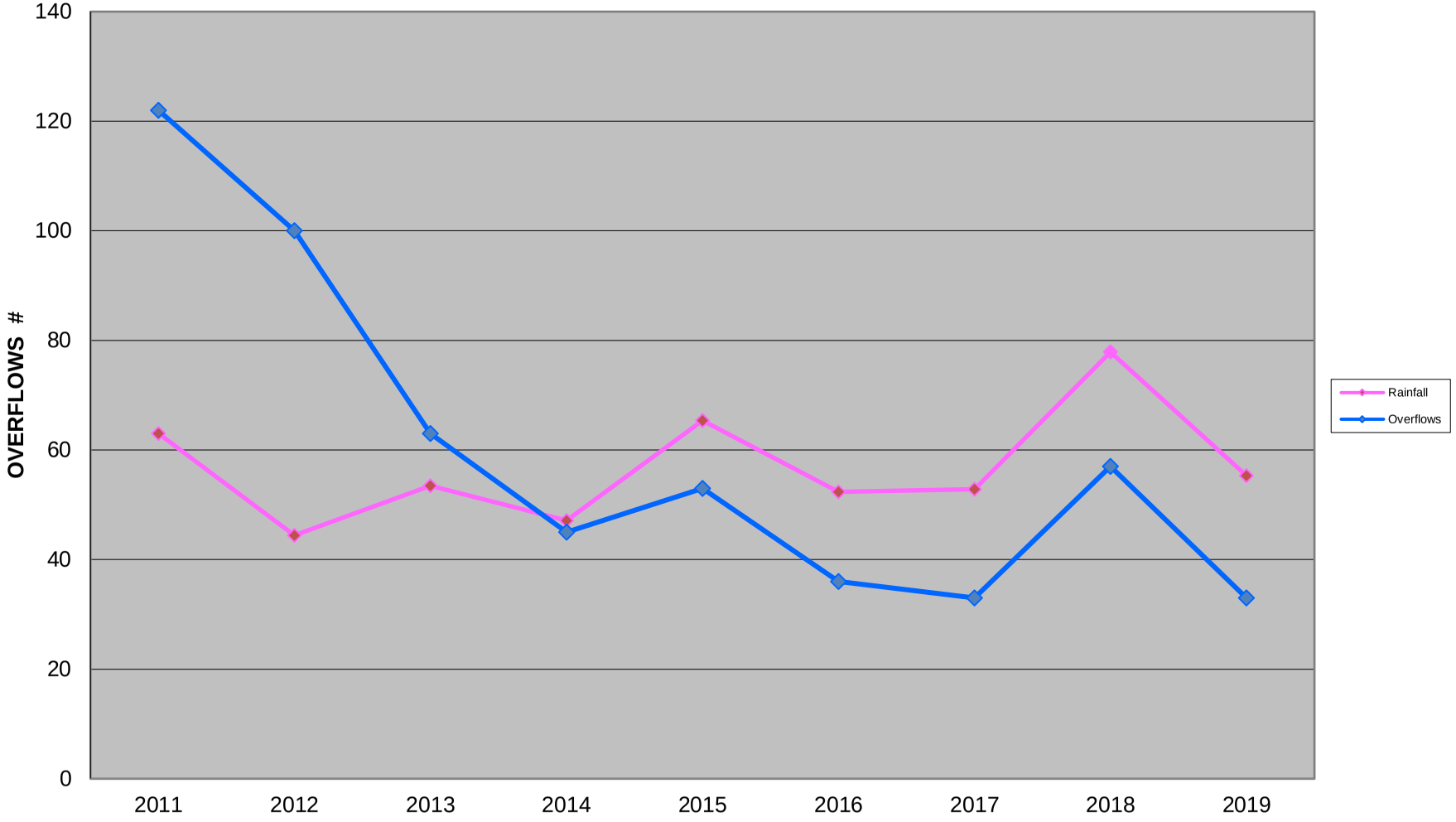
Entire System

	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	62.98	44.42	53.45	47.15	65.36	52.37	52.83	77.9	55.3
Overflows	122	100	63	45	53	36	33	57	33

North Little Rock Wastewater

North Little Rock, AR

Annual Overflows and Rainfall



AGENDA FOR
NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE MEETING

RE:	Committee Meeting
PLACE:	Faulkner Lake Treatment Plant
	7400 Baucum Pike, North Little Rock, Arkansas 72117
DATE:	October 8, 2019
TIME:	12:15 PM

(1) ROLL CALL OF THE COMMITTEE MEMBERS

(2) APPROVAL OF THE MINUTES OF THE SEPTEMBER 10, 2019 MEETING

(3) CASH DISBURSEMENTS FOR SEPTEMBER 2019

(4) FINANCIAL REPORT FOR SEPTEMBER 2019

(5) SOLAR PROJECT UPDATE

(6) OPERATIONS TRUCK REPLACEMENT

(7) PENSION PLAN CONTRIBUTION

(1)

ROLL CALL of the COMMITTEE MEMBERS

(2)

NEW BUSINESS

ACTION REQUESTED:

Approval of the Minutes of the September 10, 2019 Committee Meeting

NORTH LITTLE ROCK
WASTEWATER TREATMENT COMMITTEE

MINUTES OF A MEETING HELD TUESDAY, SEPTEMBER 10, 2019

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, September 10, 2019 at the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 12:15 p.m. The roll was called and a quorum was present. Those in attendance at the meeting were Mr. K.W. Matthews, Mr. Sylvester Smith, Ms. Karen Bryant and Mr. Gabe Stephens, and in addition, Mr. Jack Stowe, representative from the City of Maumelle, Mr. Richard Penn, City Engineer with the City of Sherwood. Also in attendance were Mr. Marc Wilkins, Director, Mr. Michael Clayton, Assistant Director, Ms. Gina Briley, Mr. Charles Frost, Mr. Ronnie Thompson, Mr. Lyle Luebner, Ms. Kris Ramon, Mr. Sam Hilburn with Hilburn, Calhoon, Harper, Pruniski & Calhoun, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its Special Call Meeting held August 7, 2019. There being no questions or comments, a motion was made by Mr. Smith, seconded by Ms. Bryant, to approve the minutes of the August 7, 2019 Special Call Meeting. The motion carried unanimously.

The Committee then reviewed the minutes of its August 13, 2019 meeting. There being no questions or comments, a motion was made by Mr. Smith, seconded by Ms. Bryant, to approve the minutes of its August 13, 2019 meeting. The motion carried unanimously.

Next, the Committee reviewed the cash disbursements for the month of August 2019. After discussion, a motion was made by Mr. Stephens, seconded by Ms. Bryant, to approve the cash disbursements for August 2019 reflecting total cash disbursements of $2,289,403.89 and fund transfers between accounts of $1,695,666.67. The motion carried unanimously.

Upon motion made by Mr. Stephens, seconded by Ms. Bryant, the Committee unanimously approved the Financial Statement August 2019.

Mr. Wilkins then advised the Committee that the staff received a quote from CBM Construction Co. to remove the abandoned Bryant's building (McSwain) and a wood frame structure from the property along the east side of the Faulkner Lake WRF.

Previous studies revealed the presence of asbestos in the roofing and in the floor covering. The cost to remove the structures completely including asbestos abatement, demolition, removal and project management is $30,852.00. This item was not included in the 2019 budget, but will be paid for as a change order to the Collections Systems Building Addition and Renovations Project. A motion was then made by Mr. Stephens, seconded by Ms. Bryant, to authorize the staff to execute a change order to the Collections Systems Building Addition and Renovations Project for the removal of the abandoned Bryants' building (McSwain) and secondary structure in the amount of $30,852.00. The motion carried unanimously.

Next, Mr. Wilkins advised the Committee that while performing routine maintenance on lagoon surface aerators, the staff discovered that the high water levels from the flood had caused aerator anchor points to break off from six of the fiberglass aerator floats. The staff has obtained a quote for six replacement floats from the existing equipment supplier, Environmental Technical Sales. For mitigation, mooring springs were also quoted to accommodate higher than normal water levels. Each aerator float has four mooring cables that anchor it in place, and adding the springs will allow the aerators to accommodate another 2.5 feet in water depth. Since the damages were flood related, this expense has been submitted to FEMA.

Aerator Float Assembly	6@	$3,195 each	$19,170
Mooring Springs with Snap Hooks	128@	$ 74 each	$ 9,472
Total			$28,642

After discussion, a motion was made by Ms. Bryant, seconded by Mr. Stephens, to authorize the staff to purchase the float assemblies and mooring springs from Environmental Technical Sales in the amount of $28,642.00. The motion carried unanimously.

The Committee then discussed the "Julian Street Sanitary Sewer Improvements Project." The staff received bids for this project on August 13, 2019 at 10:00 a.m. and the bids were read aloud. The project consists of rerouting approximately 442 linear feet of 12" PVC within the rights-of-way of Julian Street. The low bid was submitted by Diamond Construction, Inc. in the amount of $88,985.00. The project is included in the 2019 budget for $120,000.00. A motion was made by Mr. Smith, seconded by Ms. Bryant, to authorize the staff to award the contract for the Julian Street Sanitary Sewer Relocation Project to Diamond Construction, Inc. in the amount of $88,985.00. The motion carried unanimously.

Next, the Committee discussed the fact that the Utility's agreement for audit services ended with the 2018 audit, and the Utility requested a proposal from EGP, PLLC for audit services for the years 2019, 2020 and 2021. Mr. Wilkins confirmed that the three year proposal submitted by EGP was:

> We expect our professional fees to perform the audit for the Utility for the single year ended December 31, 2019, to be $25,000 - $30,000 for a financial audit or $40,000 - $35,000 fro a single audit under Title 2 U.S. *Code of Federal Regulations* ("CFR") Part 200 *Uniform Administrative requirements, Cost Principles, and Audit requirements for Federal Awards.* The fees would be subject to a 3% - 5% increase annually following the first year. Travel, report processing and out-of-pocket expenses will be billed separately.

A motion was then made by Ms. Bryant, seconded by Mr. Smith, to authorize the staff to enter into an agreement with EGP, PLLC for audit services for the years of 2019, 2020 and 2021. The motion carried unanimously.

Mr. Wilkins then update the Committee as follows:

Fire Insurance Status - no additional payments have been received since the initial check. Mr. Wilkins stated that final payment would be forthcoming pending completion of the construction project.

APERMA - the Utility's rates have stayed the same over the last several years. APERMA has lost clients over the past few years to ACC and Municipal League. Last week, Mr. Wilkins and Mr. Clayton attended a meeting with APERMA regarding this matter. To maintain coverage through APERMA, they will raise the Utility's rates approximately 33% over the next three years. The first years increase of 15% will be approximately $18,000.00. APERMA will send out letters in October so that current members can budget for the increase.

Conference Room in Administration Building - the floor has become unlevel and looking into the cause, mold was discovered under the floor that was most likely caused by a leaking toilet. A mold expert has been called to assess and remove the mold. Additionally, the following will need to fixed and/or replaced - floor and carpet in the conference room, restroom, insulation needs to be replaced under the floor and the vapor barrier will need to be replaced. Mr. Wilkins stated that since CBM Construction is still on site, it would like to obtain a quote from them and use this as part of the ongoing construction project. After further discussion, a motion was made by Mr. Stephens, seconded by Mr. Smith, to negotiate a price with CBM Construction and use this repair as part of the ongoing construction project. The motion carried unanimously.

FEMA - Mr. Wilkins then advised the Committee as to the categories and amounts under review due to the flood.

Solar Project - the sub committee met on August 21 and a determination was made to target the small generation services. A letter was forwarded to Scenic Hill Solar, LLC on August 26th requesting pricing for:

(1) a qualifying solar service agreement under A.C.A. § 23-18-603(7)©; and in the alternative

(2) a design-build contract under A.C.A. §22-9-203(j). The facility will have the following characteristics:

Location:	NLRWW File Mile Treatment Plant in Sherwood, Arkansas
Capacity:	1,000kW (DC)
First-year production:	1,400,000 kWh (AC) minimum
Commissioning:	Six (6) months after execution of agreement
Energy attributes:	To be held by NLRWW
Media releases:	NLRWW approval required until commissioning + 60 days
Liquidated damages:	$150/day after scheduled commissioning

Additionally, Mr. Smith asked Mr. Wilkins to check with Scenic Hill Solar to determine what the actual cost difference would be between a 1, 2 or 2.5 array. Mr. Smith wants to be certain that the Utility is being prudent with its customers money.

A motion was then made by Mr. Smith, seconded by Mr. Stephens, to excuse the absence of Mr. Ed Nelson. The motion carried unanimously.

There being no further action to come before the Committee, a motion was made by Mr. Smith to adjourn the meeting. The motion carried unanimously, and the meeting was adjourned at approximately 12:47 p.m.

APPROVED AS TO FORM:

RESPECTFULLY SUBMITTED,

K. W. MATTHEWS, CHAIRMAN

SYLVESTER SMITH,
VICE-CHAIRMAN/SECRETARY

(3)

CASH DISBURSEMENTS FOR SEPTEMBER 2019

ACTION REQUESTED:

Approval of the Cash Disbursements for September 2019 showing total
Cash Disbursements of **$2,740,055.89** and
Fund Transfers between accounts of **$2,063,666.67.**

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47708	Ameriprise Financial Services	$ 75.00	Employee Contributions Pay Period Ending 9/1/2019
47709	Heart of Arkansas United Way	$ 52.00	Employee Charitable Giving Pay Period Ending 9/1/2019
47710	US Dept of Education	$ 169.35	Employee Federal Student Loan Garnishment- Pay Period Ending 9/1/19
47711	NLR Community Center	$ 7.43	Wellness Program - 2 Employees - Pay Period Ending 9/1/2019
AF-18	Arkansas Federal Credit Union	$ 4,620.31	Employee Deposits Pay Period Ending 9/1/2019
NAT-18	Nationwide Retirement Solutions	$ 4,531.54	Retirement Contributions Pay Period Ending 09/1/2019
PR-18	Payroll Tax Deposit	$ 42,273.10	Payroll Taxes Pay Period Ending 7/21/2019
47712	V O I D	$ -	V O I D Check Printer Error
47713	V O I D	$ -	V O I D Check Printer Error
47714	A-1 Recovery	$ 191.63	Tow - Unit 141
47715	Allied Supply	$ 284.10	M18 Bandsaw
47716	American Composting, Inc.	$ 53.12	Brush - Ward 4
47717	Battery Outfitters	$ 96.72	12 Volt - SCADA
47718	Boston Mutual Life Insurance Co., Inc.	$ 434.38	Supplemental Insurance - Employee Deductions
47719	Champion Trailer	$ 83.22	Unit #132 Pintle Mount
47720	Cintas	$ 2,086.32	Mat & Uniform Service - Towel Refills
47721	Control Worx	$ 972.62	W&T Chlorine Kits - All Plants
47722	Core & Main, LP	$ 1,058.43	Wyes & Inventory Parts
47723	Crist Engineers, Inc.	$ 10,635.11	Design Development - Invoice Period 7/1 - 7/31/19 - Infrastructure Improvements, Maumelle Diversion to White Oak
47724	Crow Burlingame Co.	$ 182.89	Unit #143 - Filters, Shell Rotella Oil; #144 Filter Wrench, Shell Rotella Oil
47725	Crow Burlingame Co.	$ 506.35	Unit #142 Oil Change; #141 Oil Change; #144 Oil Change; Pump to Pump DEF Fluid
47726	Diamond Construction Co.	$ 84,543.27	I-40 Forcemain Relocation - Committee Approved 1/8/19
47727	Digi-Key Electronics 3058463	$ 723.97	Hole Plugs, Round Cable Stripper, Nonconductive Mult, Cable Ties, Cable Assemblies, Inner Panels, Connector Terminals - SCADA
47728	Digital Print & Imaging of Little Rock	$ 522.14	Leave Request Forms - 3 Part NCR Paper
47729	Elliott Electric Supply, Inc.	$ 637.93	Signal Wire, Switch, Clearguide, 3/4" 100' Coils, Ty Rap, PVC Cutter Cuts, Cat6 Blue Patch, Vinyl Tape, Electricians Hybrid Plier Multitool, Polyprop Rope, Orange, Blue, Red & White Wire - SCADA
47730	Entergy	$ 23,780.98	Electric Bills: MTP Training Bldg, Main, Surge Basin, High Sch PS, Rixie/Lucky, Rixie Rd, Maum PS#4, Maum PS #2&3, Murphy Dr, Durango, Ridgeland/Odom, Ridgeland, Diamond Pt, Masters Pl, Town Center, Lawrence
47731	Eureka Gardens Facilities Board	$ 3,950.00	Debt Fee Collected July Cycle 7 & August Cycle 4
47732	EZAutomation	$ 618.00	SCADA - Murphy Dr: 6 Slot Base, Input & Output Modules, 8 Analog IN Module
47733	Fuller and Son Maumelle	$ 135.55	Rain Gauge, Velcro, Cold Weather Electrical Tape, Spray Paint, Extension Cord, Clevis, Cut Off Wheel, Bow Rake, Fiberglass Cultivator, 5-Gal Bucket

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47734	Goodsell Truck Accessories	$ 373.24	Weather Tech Floor Mats - Unit #148
47735	Gravel Ridge Sewer District	$ 6,883.24	Billed Accounts August Cycle 4
47736	Harbor Freight Tools	$ 108.77	Portable Storage Cases, Outlet Adapter, Heat Gun, Heat Shrink Tubing, Laser Distance Measurer, Adjustable Wire Stripper - SCADA Projects
47737	Hum's Hardware	$ 656.21	Flux, Heat Shrink, Utility Knife, 5-Gal Gas Can, Wasp Spray, Straw Bales, Keys, Garden Hose Shut Off, PVC Coupling, Hose Nozzle, Rubber Hose Washer, Hvy Duty Brass Nozzle, 3 Gal Sure Spray, Tarp Straps, Hose Clamps, Hose Barbs Ends, Wire Lock Pin, Safety Fence, Tee Posts, Hose Washers, Smart Straw, Poly Rope, Organizer Sortmaster, 148 Pc Mechanics Tool Set, Steel Toe Rain Boots, Door Latch, Safety Tape, Plastic Scrubber, Hex Washers, Scrub Brush, Leak Seal, Wood Thread
47738	Hum's Rental	$ 138.12	Buggy Track 19 - Ward 4 Repair Sod
47739	Jack Tyler Engineering	$ 9,034.36	Repair Flygt Pumps- E 10th St. & Wilcox - Budget Item
47740	Jackson Cleaning Service	$ 1,292.10	Janitorial Services August - Admin, Lab, Collections
47741	Jeffrey Sand Co.	$ 352.93	Masonry Sand - Maumelle
47742	Jimmy Don Waddles Hauling, Inc.	$ 2,530.00	Biosolids Hauling MTP to Two Pines Landfill - 11 Loads 8/27 - 8/30/19
47743	Kerr Paper & Supply Co.	$ 828.97	C-Fold Towels, Toilet Paper, Presto Wipers, Mechanical Wipes
47744	Lowe's	$ 1,347.54	3M Chemical Splash, Command Hooks, NeverKink, GE 24000 BTU A/C for 5-Mi
47745	MHC Kenworth	$ 3,907.96	Units #111, 113 Service & Oil Change; 112 Gladhands, 113 Repair A/C, 113 Repair Blinkers, Air Bag, Driver Door Window Crank
47746	Newark Element 14	$ 89.23	15 Reed Switches - 5-Mi & WOTP
47747	Northside Sales Co.	$ 985.18	Gas Monitor & Tubing - Ops
47748	NTTA	$ 7.53	Toll Charges Pretreatment Conference
47749	O'Reilly Automotive Stores, Inc.	$ 183.97	Ball Mount, Wiper Blades, Car Wash, Degreaser, Brush, Mobile Power, Motor Oil
47750	Panera, LLC	$ 78.38	8/13/19 NLRW Committee Meeting - Lunch and Drinks
47751	PC Hardware LLC	$ 260.00	Door Closer /Lab Door
47752	Peterson Concrete Septic Tank	$ 1,474.91	Manhole Doghouse Ward 1, Concrete Sealant, Grade Rings Ward 4, Manhole Cone Riser Ward 0
47753	Pettus Office Products	$ 138.13	Laminating Pouches, Copy Holders, Pens
47754	Practec, LLC	$ 677.00	Exchange Interface Board - FL Infl Pump #2
47755	Quadex, LLC	$ 89,295.00	Spraymaster Manhole Lining Equipment & Freight
47756	Quality Petroleum, Inc.	$ 155.49	Diesel Exhaust Fluid
47757	RGA	$ 527.58	Fire Hose - Unit #143
47758	Sewer District #211	$ 1,217.50	billed Runyan Acres Accounts Aug Cycles 1 & 4
47759	Southern Pipe & Supply	$ 233.38	Gasketed Tees, Plastic Coupings, Brass Ball Valves, Brass Nipples
47760	Spa Chemicals, Inc.	$ 275.90	Pop-Up Towels Collection Crews

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47761	Stanley Hardware	$ 77.68	Repair Cutoff Saw
47762	Tractor Supply Credit Plan	$ 270.04	Briggs 500E, Magnetic Nut Drivers, Pistol Pliers Sets, Manifold Repair Kit, Impact Driver Bit Set, Infared Thermometer - MTP
47763	USA Bluebook	$ 519.84	Microscope Slides, Cover Slips, pH Buffer, Cable Clamps, Signage for Plants
47764	Washington National Insurance Co.	$ 1,222.17	Employee Deductions - Supplemental Insurance
47765	Web Lubrications, Inc./Jiffy Lube	$ 147.52	Unit #135 Oil Change & Tire Rotation
47766	Wholesale Electric	$ 389.05	Terminals, Cable Ties, Clear Cable Lube, Fuses, Electrical Tape, Side Cutting Pliers
47767	AutomationDirect.com Inc.	$ 707.93	Submersible Level Transmitter, Cable Glands, Aneroid Bellows, Knockout Punches
47768	Advantage Service Company	$ 189.44	Admin A/C Unit Dripping Water - Drain Pipe Unplugged, Shortened Drain to Increase Drain Angle (3 Trips to Repair)
47769	Allied Supply	$ 322.62	M-18 Bandsaw
47770	Arkansas Aggregates, Inc.	$ 2,460.50	Stone & Gravel Delivered to FLTP
47771	Arkansas Copier Center	$ 109.50	Lab Copier Toner
47772	V O I D	$ -	V O I D Check Printer Error
47773	V O I D	$ -	V O I D Check Printer Error
47774	V O I D	$ -	V O I D Check Printer Error
47775	Arkansas Dept of Labor & Licensing	$ 50.00	Safety Conference Registration - 1 Employee
47776	Arkansas Sod & Turf Farm, Inc.	$ 1,858.58	Grass & Sod Repairs All Wards 7/29 - 8/29/19
47777	AutomationDirect.Com, Inc.	$ 620.32	Hydrostatic Submersible Transmitter & Aneroid Bellows - SCADA
47778	B&B Material Co.	$ 28.74	Sandy Loam Ward 4
47779	Battery Outfitters	$ 34.95	12 V Drill Pack - for Grease Gun
47780	Bill's Lock & Safe	$ 27.38	GM Transponder Key Maumelle
47781	Capital Fire Extinguisher Co.	$ 42.71	Fire Extinguisher - Unit 148
47782	Carter Law Firm, LLC	$ 2,754.00	Legal Services - Solar Power Study
47783	Centerpoint Energy	$ 98.21	Gas Bills: Maumelle Valley PS, New Bedford Gen, CC Ballfields Gen, Seminole E Gen, Seminole W Gen
47784	City of Maumelle	$ 13,968.15	August Franchise Fee Collected
47785	City of North Little Rock	$ 100,085.86	August Franchise Fee Collected
47786	C N A Surety	$ 200.00	Arkansas Hwy ROW Bond Renewal thru 10/8/2020
47787	Cranford Construction Co.	$ 246.92	Asphalt Repairs Wards 1, 2, 4
47788	Crow Burlingame Co.	$ 77.84	Unit #94 - Light Bulbs and Relays
47789	Cummins Sales & Service	$ 4,809.77	Maintenance Agreement for Generators: Maybelline, Hwy 107, Hwy 365, Counts Massie, Frontier Dr, Hill Lake, Rixie/Trammel, Quapaw; Service Calls Counts Massie, Hill Lake & Hwy 107
47790	Custom Manholes, LLC	$ 1,000.00	4' ID Sewer Manhole - Ward 3

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO		AMOUNT	DESCRIPTION
47791	Dept. of Finance & Administration	$	15,235.35	State of Arkansas Withholding Tax - August 2019
47792	Diamond Construction Co.	$	78,608.56	Emergency Repairs Bethany Road, Emily Street (Committee Approved 5/4/19); Brother Paul (Committee Approved 7/9/19)
47793	Digi-Key Electronics 3058463	$	827.74	Hook Up Strands, Cord, Conn Term Ends, Bracket Rail, Tag Marking Term Blocks - SCADA parts
47794	Digital Print & Imaging of Little Rock	$	95.19	Books of Inspection Slips
47795	Doorking, Inc.	$	49.95	Cell Service FLTP Gate 1
47796	Entergy	$	2,088.22	Electric Bills: River Run, Norfolk, Palisades, Maum #2 PS, Collins Ind, Bouries, CC BallFlds, Cts Massie #2, Maranes, Counts Massie, Maum Woods, Crystal Bay, Bridgeway #2, Hwy 365
47797	Sherwood Express Oil	$	45.91	Unit 80 Oil Change
47798	EZAutomation	$	1,612.00	Components to Build PLC - SCADA - 4 Received 9/5
47799	Fastenal Company	$	137.92	Misc. Stainless Steel Parts for Maumelle TP Aerators
47800	Granite Mountain Quarries	$	2,113.75	Gravel and Ballast - Diamond Pt PS
47801	Grisham's Exterminating Co.	$	1,095.00	Spider Control - WOTP & FLTP
47802	Harbor Freight Tools	$	79.85	TV Wall Mount, HDMI Cables, Wire Running Poles, Power Strip - Treatment
47803	Henard Utility Products	$	1,099.52	Track Assembly + Freight, Strain Relief & Fittings, Rubber Grommets, O-Rings
47804	Home Depot Credit Services	$	586.44	Quikrete + Pallet Fee - Inventory
47805	Diamond State Lawn LLC	$	150.00	Mow Ditch - FLTP
47806	ICM Technologies, Inc.	$	854.10	Plug, Test Ball - I-30 Bridge Ward 2
47807	Interstate All Battery Center	$	76.60	M-24 Battery for Kubota KX 121
47808	Jim's Crane Rental Service, Inc.	$	460.00	28 Ton Crane Rental - MTP
47809	Jimmy Don Waddles Hauling, Inc.	$	1,840.00	Biosolids Hauling MTP to Two Pines Landfill - 8 Loads 9/5 - 9/9/19
47810	Joe's Garage & Wrecker Service	$	205.31	Unit 120 - Brake Pads & Labor
47811	MHC Kenworth	$	767.31	Unit 111 - Parts & Labor to Repair Air Cond. And Air Leak
47812	NLR Welding Supply, Inc.	$	81.03	Cylinder Rental - Oxygen, Acetylene, Argon, Argon/CO2
47813	Northside Sales Co.	$	356.00	Gas Monitor Storage Case, Gas, Male Connector; Ear Plugs
47814	Peterson Concrete Septic Tank	$	232.20	6" Concrete Grade Rings - Ward 0
47815	Pettus Office Products	$	1,064.22	Sheet Protectors, Lead, Gel Pens, Dish Soap, Paper Pads, Mailing Labels, Creamer, Binder Clips, Paper Clips, Copy Paper, Stapler, Toner Cartridges, Plastic Knives, Laminator, 3-Ring Binders, Pens
47816	Post Oak Acres	$	49.28	Dirt Repairs - Ward 1
47817	Quality Petroleum, Inc.	$	194.27	Blower Oil - FLTP
47818	Railroad Management Co.	$	537.50	Renewal of 12" Sewer Main Crossing - thru 9/24/2020
47819	Regions Corporate Trust	$	1,397.00	Rixie Bond Repayment - August 2019
47820	RGA	$	598.39	Vacuum Flex Hose, Tiger Flex Clamp Unit 144; 2" Trash Pump Parts
47821	RJN Group, Inc.	$	71,683.42	2019 SSES - Professional Services through 8/23/19

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47822	RP Power LLC	$ 536.91	PLC Interface Board - 5-Mi Influent
47823	Sonny Fulmer Trucking	$ 2,681.56	Sidewalk Ward 2, Concrete Repairs Ward 1, Deliver Gravel to 29th St.
47824	Southern Pipe & Supply	$ 624.15	Hymax Couplings - Ward 0 Marche' Force Main
47825	Spa Chemicals, Inc.	$ 848.41	Odor Digester - FL Belt Press; Lubricant, Penetrant & Grease in a Can, Fogasol II, Fire Ant Killer
47826	United Laboratories	$ 229.23	12 Quarts of Duo-Zyme Newberry - 5-Mi
47827	USA Bluebook	$ 1,357.23	Warning Signage, Glass Fiber Filters, Graduated Cylinder, Side Load Tape Gun & SealingTape, Cable Clamps
47828	UBS	$ 1,363.84	Water Bills: Delta Lawn PS, Shorter Coll, Oakbrook, 5-Mi TP, Heilman/WO, Shillcutt, MTP (2), Murphy Dr PS, FL Lab, FLTP
47829	VWR International, LLC	$ 915.79	Sodium Sulfite Anhydride, BOD Bottles
47830	Waste Management	$ 33,721.95	Biosolids Disposal Faulkner Lake and Maumelle Treatment Plants
47831	Web Lubrications, Inc./Jiffy Lube	$ 94.98	Unit 137 - Signature Service Oil Change
47832	Wiese, USA	$ 186.83	Service/Maintenance on Fork Lift
47833	Windstream	$ 64.49	Billing Dept. Fax Line 8/28 - 9/27/19
47834	Ameriprise Financial Services	$ 75.00	Employee Contributions Pay Period Ending 9/15/2019
47835	Heart of Arkansas United Way	$ 52.00	Employee Charitable Giving Pay Period Ending 9/15/2019
47836	NLR Community Center	$ 2.50	Wellness Program - 1 Employee - Pay Period Ending 9/15/2019
47837	US Department of Education	$ 169.28	Employee Federal Student Loan Garnishment- Pay Period Ending 9/15/19
47838	NLR Community Center	$ 4.93	Wellness Program - 1 Employee - Pay Period Ending 9/15/2019
AF-19	Arkansas Federal Credit Union	$ 4,620.31	Employee Deposits Pay Period Ending 9/15/2019
NAT-19	Nationwide Retirement Solutions	$ 4,531.54	Retirement Contributions Pay Period Ending 9/15/2019
PR-19	Payroll Tax Deposit	$ 41,395.03	Payroll Taxes Pay Period Ending 9/15/2019
47839	AFLAC	$ 1,850.20	Employees Supplemental Insurance
47840	American Composting Inc.	$ 2,037.31	Sand/Dirt Hauling Ward 2
47841	American Van Equipment, LLC	$ 194.84	Literature Holders for VacCons
47842	Arkansas Aggregates, Inc.	$ 1,921.12	Stone & Gravel delivered to FLTP
47843	Arkansas One-Call System, Inc.	$ 474.35	Sept. Member Fee; August Call Fee
47844	AT&T Mobility	$ 61.85	Service for Survey Equipment
47845	AutomationDirect.com, Inc.	$ 1,240.64	Hydrostatic Submersible Levels, Aneroid Bellows - SCADA
47846	Berg & Son	$ 636.15	Fabricated Plates for Bridgeway PS Flanges
47847	Centerpoint Energy	$ 18.04	Gas Bill: 701 W. 29th
47848	Colonial Life	$ 432.83	Employee Deductions - Supplemental Insurance
47849	Cranford Construction Co.	$ 1,246.52	Asphalt Repairs - Ward 2
47850	Datamax	$ 222.88	Monthly Charge-Admin Copier (& Temp Engineering)
47851	DeZurik, Inc.-BIN#135058	$ 2,747.00	Air Vacuum Valve - Shillcutt Force Main to WOTP
47852	DiscountCell, Inc.	$ 818.72	4 Cell Modems - SCADA replacing Omni

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47853	EMD Millipore Corporation	$ 4,001.29	Annual Replacement Lab Water Purification System
47854	Entergy	$ 19,397.09	Electric Bills: WO Structure, WO BarScreen, WO Lagoons, WOTP
47855	ESRI, Inc.	$ 25,000.00	City Works Enterprise Small Utility License Agreement 1 Yr - 8/25/20
47856	FedEx	$ 125.24	Shipping Charges - Part Returns
47857	First Electric Cooperative	$ 187.12	Electric Bill: Gap Creek PS
47858	Fleet Tire Service	$ 24.64	Unit 119 Flat Repair
47859	Grainger	$ 1,295.79	SDS Rotary Hammer Drill - Pump Maint; Upblast for FL WAS Exhaust Fan
47860	Gravel Ridge Sewer District 213	$ 10,596.04	Billed Accounts August Cycle 5
47861	Halff Associates	$ 8,969.19	Vestal St. Reroute Survey & Design Work - Committee Approved 3/2019
47862	Harcros Chemicals	$ 3,287.60	Chlorine & SO2 Cylinders Maumelle & White Oak
47863	Henard Utility Products	$ 234.52	Suction Tube & Freight - Unit 143
47864	Huther & Assoc.	$ 3,025.00	Biomonitoring - All Plants - Quarterly
47865	Information Network of Arkansas	$ 44.00	Criminal Background Check - 2 Employees
47866	Innovyze, Inc.	$ 4,730.00	Annual Subscription Hydraulic Modeling Software
47867	Instrument & Supply Inc.	$ 12,653.06	Replacement Pump - Seminole E PS - Budget Item
47868	Jack Tyler Engineering Co.	$ 596.72	SCADA parts - Socket Pins, Mini-CAS
47869	Jimmy Don Waddles Hauling, Inc.	$ 3,420.00	Biosolids Hauling MTP to Two Pines Landfill - 14 Loads 9/10 - 9/9/16 + 2 Loads Sand
47870	K&E Outdoor Power Equipment	$ 73.90	Brush Blade for Weedeater
47871	L&L Municipal Supplies & Tools	$ 832.20	Green and Red Dye Tablets
47872	Legal Shield	$ 139.55	Employee Deductions - Prepaid Legal Services
47873	Pettus Office Products	$ 382.83	Coffee, Tissues, White Out, Calendars, Wall Mount CPU
47874	Petty Cash	$ 330.51	Ant Granules, Dry Erase Board, Sprinkler Repair Parts, Soap Bottle, Paper Table Covers, Paper Plates, Etc. (Vouchers 7/10 - 9/13/19)
47875	Pipe & Tube Supply	$ 50.37	Carbon Steel Angle & Flat to Repair Tank Unit #143
47876	Post Oak Acres	$ 49.28	Dirt Repairs Ward 4
47877	River Valley Tractor	$ 525.22	Replace Teeth on Trackhoe Bucket
47878	S&W Chemical Sales	$ 917.57	Gloves, Antimicrobial Wipes
47879	Scott Automotive Center	$ 118.88	Unit 117 - New Battery
47880	Spa Chemicals, Inc.	$ 333.91	Cleaner, Degreaser, PopUp Towels, C-Fold Towels
47881	Star Bolt & Screw Co., Inc.	$ 287.94	Wing Nuts, Hex Cap Screws, Flat Washers, Lock Washers, Finish Nuts
47882	T&T Equpment	$ 233.24	Car Wash Repair Parts - Trigger Gun, High Pressure Ball Valve, Hose Repair Couples
47883	USA Bluebook	$ 959.70	Fecal Testing Items & BOD Probe
ELECPYMT - 14	Centennial Bank	$ 6,344.38	Monthly Credit Card Charges: Indeed Job Ads, Recording Equipment for Public Meetings, Committee Lunches, Sympathy Arrangements, Conference Hotel Rooms, MS Surface Tablets & TV for Ops Training
47884	Change Center for Health	$ 3,251.50	Monthly Wellness Center Contract - October

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47885	ADEQ/WWL	$ 40.00	Class I License Exam - 1 Employee
47886	Allied Supply Inc.	$ 36.45	10 x 1/2" close Black Nipples
47887	Arkansas Aggregates, Inc.	$ 179.74	Gravel Delivered to FLTP
47888	AT&T	$ 301.00	Security - Distributed Denial of Service -9/5 - 10/4
47889	AT&T Mobility	$ 398.22	Monthly SCADA Communication Service
47890	AutomationDirect.com, Inc.	$ 620.32	Hydrostatic Submersible Levels, Aneroid Bellows - SCADA
47891	CBM Construction	$ 472,934.70	Application #'s 3 & 4 - Metal Bldg Replacement/CSE Remodel
47892	CCH, Inc.	$ 616.68	Internet Payroll Subscription Renewal - 9/1 - 8/31/2020
47893	Centerpoint Energy	$ 606.01	Gas Bill: FL Lab, Gap Ck Gen, Austin Lakes, Dixie Gen, Eureka Grdn Gen, Clayton Chapel Gen
47894	Central AR Water	$ 42,332.90	Wastewater Billing Fees - July
47895	Crist Engineers, Inc.	$ 16,200.00	Engineering Services July 2019-Maumelle Diversion to White Oak, Counts Massie PS
47896	Darrell R. Sansom	$ 3,250.00	Computer Consulting & Maintenance - September
47897	DeZurik Inc-BIN#135058	$ 112.44	Shipping Charges - Air Vacuum Valve
47898	Diamond Construction Co.	$ 6,935.30	Emergency Repair Brother Paul - FEMA REQ
47899	Digi-Key 3058463	$ 130.24	Modbus/Ethernet Converter - 5- Mi Effluent Gen
47900	DiscountCell, Inc.	$ 818.72	4 Cell Modems - SCADA replacing Omni
47901	EMD Millipore Corporation	$ 49.28	Replacement Parts Lab Water Purification System
47902	Environmental Services Co.	$ 11,008.64	Biosolids Analysis DMR Reporting - 3rd Qtr
47903	Eureka Gardens Facilities Board	$ 450.00	Debt Fee Collected August Cycle 7
47904	Fisher Scientific	$ 618.68	Portable pH Meter
47905	Fuelman	$ 12,803.22	Gasoline & Diesel Fleet Vehicles - August 2019
47906	Grainger	$ 266.35	V-Belt & Pulleys - FL Exhaust Fan on WAS Bldg
47907	Gravel Ridge Sewer District 213	$ 20,839.43	Billed Accounts August Cycle 7, 9 & EOM
47908	Grisham's Exterminating Co.	$ 1,271.00	Spray Buildings for Spiders - 5-Mi, MTP - Termite/MTP
47909	Harbor Freight Tools	$ 204.06	Digital Multimeter, 1/2 T Truck Crane
47910	Hilburn, Calhoon, Harper, Pruniski etal	$ 4,682.40	Legal Services - August Retainer, Special Proj, Solar
47911	Jimmy Don Waddles Hauling, Inc.	$ 3,190.00	Biosolids Hauling MTP to Two Pines Landfill - 13 Loads 9/17- 9/23/19 + 2 loads Sand
47912	KorTerra, Inc.	$ 2,700.00	Annual Renewal ONE CALL Services - Web Based
47913	L&L Municipal Supplies & Tools	$ 803.74	Marking Paint, Gloves
47914	Levy Concrete	$ 341.64	Pour ManHole Ward 3
47915	Mr. Green Professional Turf Management	$ 365.00	Treat Crepe Myrtles - FLTP
47916	Municipal Health Benefit Fund	$ 66,874.12	Employee Health Insurance October 2019
47917	North Little Rock Electric	$ 279.67	Wilcox PS Electric Bill
47918	Northside Sales Co.	$ 313.61	Toilet Paper, Windsock, Wasp Killer - MTP

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47919	OFFICE Depot	$ 219.78	Printer Toners, Copy Paper, Pens, Paper Pads
47920	Pettus Office Products	$ 500.44	Post-Its, Toner Cartridges, Batteries, Pens, Keyboard Tray, Paper Clips, Sharpies, Air Duster
47921	Pitney Bowes Global Financial	$ 154.47	Quarterly Postage Machine Rental
47922	Post Oak Acres	$ 32.85	Dirt Repairs Ward 4
47923	RP Power LLC	$ 4,947.03	Annual Maintenance Agreements Generators: Collins, Cypress, Delta Lawn, Maryland E, Rixie/Hwy 161, Rixie/Lucky, Shillcutt
47924	Sewer District #211	$ 51,026.29	Billed Accounts August Cycles 7, 9 and EOM
47925	Sonny Fulmer Trucking	$ 1,558.45	Stone & Gravel delivered to 29th Street 9/10 - 9/19/19
47926	Spa Chemicals, Inc.	$ 155.46	Garbage Bags & Drain Cleaner
47927	Taggart Architects	$ 5,390.00	Fees - Metal Bldg Replacement; CS Bldg Addition - Construction Administration
47928	Teledyne Instruments, Inc.	$ 989.88	Replacement Sampler Motors, ProPak Bags
47929	Terminix Processing Center	$ 123.74	Monthly Pest Service Admin
47930	United Rentals (North America)	$ 8,878.02	Diesel Pump, Hose, Strainers/Palm Street Repair - FEMA REIMB REQUESTED
47931	USA Bluebook	$ 1,225.47	Hazard Signage, Chlorine Pressure Gauges
47932	Verizon Connect Fleet USA LLC	$ 350.00	Monthly Vehicle Tracking Service - September
47933	Verizon Wireless	$ 1,747.09	Monthly Cell Phone Use - August
47934	Waste Management	$ 9,145.62	Monthly Dumpster Service FL, Disposal of Biosolids MTP to Two Pines
47935	WorkWear	$ 101.84	OSHA approved footwear - 1 new employee
47936	Ameriprise Financial Services	$ 75.00	Employee Contributions Pay Period Ending 9/29/2019
47937	Heart of Arkansas United Way	$ 52.00	Employee Charitable Giving Pay Period Ending 9/29/2019
47938	US Department of Education	$ 169.28	Employee Federal Student Loan Garnishment- Pay Period Ending 9/29/19
47939	NLR Community Center	$ 7.43	Wellness Program - 2 Employees - Pay Period Ending 9/29/2019
AF-20	Arkansas Federal Credit Union	$ 4,721.31	Employee Deposits Pay Period Ending 9/29/2019
NAT-20	Nationwide Retirement Solutions	$ 4,506.54	Retirement Contributions Pay Period Ending 9/29/2019
PR-20	Payroll Tax Deposit	$ 40,746.59	Payroll Taxes Pay Period Ending 9/29/2019
		$ 1,652,014.66	
	Pay Period Ending 9/1/19	$ 123,465.05	
	Pay Period Ending 9/15/19	$ 120,180.78	
	Pay Period Ending 9/29/19	$ 119,859.17	
	ADFA-Loan Payments	$ 243,672.86	Monthly Loan Payments Drafted from Account
	2016 Construction Fund	$ 480,863.37	Total Disbursements From Account

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
	TOTAL UTILITY CASH DISBURSEMENTS	$ 2,740,055.89	

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
2016 CONSTRUCTION FUND
September 30, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
VV020	Insituform Technologies	$ 130,046.00	Estimate #5 for South Levy/Indian Hills CIPP
VV021	Horseshoe Construction	$ 350,817.37	Estimate #3 for South Levy/Indian Hlls Pipe Bursting
		$ 480,863.37	

NORTH LITTLE ROCK WASTEWATER
FUND TRANSFERS
September 30, 2019

DATE	AMOUNT	TO	FROM	DESCRIPTION
9/3/2019	$ 41,666.67	Rehabilitation	Sewer	Required Transfer
9/6/2019	$ 309,600.00	Operating	Sewer	Transfer for Checks Paid 9/2-9/6
9/11/2019	$ 355,800.00	Operating	Sewer	Transfer for Checks Paid 9/11
9/16/2019	$ 120,200.00	Operating-Payroll	Sewer	Transfer for 9/15 Pay Period, Paid to Employees on 9/17
9/20/2019	$ 177,200.00	Operating	Sewer	Transfer for Checks Paid 9/16-9/20
9/25/2019	$ 759,100.00	Operating	Sewer	Transfer for Checks Paid 9/25
9/30/2019	$ 119,800.00	Operating-Payroll	Sewer	Transfer for 9/29 Pay Period, Paid to Employees on 10/1
9/30/2019	$ 50,300.00	Operating	Sewer	Transfer for Checks Paid 9/30
9/30/2019	$ 130,000.00	Sewer	Rehabilitaion	Reimbursement for Previous Months Expenditures
	$ 2,063,666.67			

(4)

FINANCIAL STATEMENTS FOR SEPTEMBER 2019

ACTION REQUESTED:

Approve the Financial Statements for September 2019.

North Little Rock Wastewater
Balance Sheet
Monday, September 30, 2019

ASSETS	
CURRENT ASSETS	
PETTY CASH	$700.00
CASH IN BANK	$5,800,422.07
CERTIFICATES OF DEPOSIT	$10,019,546.99
ADFA HOLDING ACCOUNTS	$1,225,894.31
ACCOUNTS RECEIVABLE	$2,892,078.70
INSURANCE RECEIVABLE-FIRE	$396,219.00
ACCRUED INTEREST RECEIVABLE	$88,210.99
ON-SITE INVENTORY	$41,965.55
PREPAID LIABILITY INSURANCE	$29,499.75
PREPAID WORKERS COMPENSATION INSURANCE	$18,243.75
OTHER PREPAID EXPENSES	$96,420.29
TOTAL CURRENT ASSETS	$20,609,201.40
PROPERTY, PLANT & EQUIPMENT	
LAND	$3,139,810.46
PUMPING STATION STRUCTURES	$12,075,543.86
SEWER SYSTEM LINES	$75,361,588.05
TREATMENT PLANT STRUCTURES	$77,855,306.13
ADMINISTRATION & MAINT. & ENG. BUILDINGS	$917,063.85
LABORATORY BUILDING	$1,243,794.95
SEWER SYSTEM EQUIPMENT	$12,064,421.38
EST. VALUE OF OLD SEWER LINES	$5,081,361.47
CONSTRUCTION IN PROGRESS	$8,314,833.21
ACCUMULATED DEPRECIATION	($75,898,594.03)
TOTAL PROPERTY, PLANT & EQUIPMENT	$120,155,129.33
OTHER ASSETS	
RIXIE OM&R RECEIVABLE	$176,055.20
DEFERRED OUTFLOWS RELATED TO PENSION	$2,565,815.00
TOTAL OTHER ASSETS	$2,741,870.20
TOTAL ASSETS	$143,506,200.93

North Little Rock Wastewater
Balance Sheet
Monday, September 30, 2019

LIABILITIES	
CURRENT LIABILITIES	
ACCOUNTS PAYABLE	$142,855.39
OWED TO OTHER DISTRICTS	$93,438.97
FRANCHISE FEE PAYABLE	$157,832.02
PAYABLE TO RIXIE	$1,371.50
PAYABLE TO EUREKA GARDENS	$3,950.00
ACCRUED SICK LEAVE	$402,142.87
ACCRUED VACATION LEAVE	$226,173.83
ACCRUED EMPLOYEE BENEFITS	$2,206.82
ACCRUED INTEREST PAYABLE	$521,830.82
ACCRUED PENSION PLAN CONTRIBUTION	$595,649.97
TOTAL CURRENT LIABILITIES	$2,147,452.19
OTHER LIABILITIES	
BONDS PAYABLE-SERIES 2001	$3,132,726.08
BONDS PAYABLE-SERIES 2008	$9,620,795.33
BONDS PAYABLE-SERIES 2012	$18,035,728.32
BONDS PAYABLE-SERIES 2016	14,384,829.00
RESERVE FOR BIO-SOILD DISPOSAL	$2,273,479.22
OPEB OBLIGATION-GASB 45	$285,680.00
NET PENSION LIABILITY	$2,685,571.00
DEFERRED INFLOWS RELATED TO PENSIONS	$813,977.00
TOTAL OTHER LIABILITIES	$51,232,785.95
EQUITY	
CONTRIBUTED CAPITAL	$30,110,329.51
DONATED CAPITAL	$17,727,878.80
RETAINED EARNINGS	$37,644,010.68
CURRENT YEAR NET INCOME / (LOSS)	$4,643,743.80
TOTAL EQUITY	$90,125,962.79
TOTAL LIABILITIES & EQUITY	$143,506,200.93

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
REVENUE			
OPERATING REVENUE			
INSIDE NLR SERVICE CHARGES	$10,518,400.00	$10,028,253.69	$9,898,479.86
OUTSIDE NLR SERVICE CHARGES	$2,356,300.00	$2,318,257.83	$2,207,305.41
MAUMELLE SERVICE CHARGES	$2,451,800.00	$2,318,331.25	$2,210,770.23
SHERWOOD TREATMENT CHARGES	$389,800.00	$459,171.00	$249,246.00
CUSTOMER SERVICE CHARGES	$39,600.00	$39,635.12	$38,667.91
INDUSTRY REGULAR CHARGES	$1,602,700.00	$1,531,466.11	$1,505,476.63
INDUSTRY SURCHARGE/PENALTY CHARGES	$300,600.00	$368,430.16	$395,402.39
INDUSTRY LATE FEE CHARGES	$7,400.00	$18,775.67	$5,061.03
LATE FEE CHARGES-RES. & COM.	$242,400.00	$269,073.12	$256,296.17
TIE-ON FEE CHARGES	$0.00	$19,235.09	$61,825.42
CONNECTION INSPECTION PERMITS	$29,700.00	$24,080.00	$29,715.00
PARTIAL INSPECTION PEMITS	$0.00	$450.00	$675.00
TAP & STREET CUTTING PERMITS	$7,200.00	$7,350.00	$9,800.00
REVIEW PLANS & SPECIFICATIONS	$4,800.00	$6,167.74	$9,017.46
TOTAL OPERATING REVENUE	$17,950,700.00	$17,408,676.78	$16,877,738.51
NON OPERATING REVENUE			
INTEREST EARNED INCOME-SECURITES	$96,200.00	$128,242.79	$49,180.33
INTEREST EARNED INCOME-CHECKING	$5,400.00	$20,257.37	$8,213.50
INTEREST EARNED INCOME-NOTES	$3,800.00	$3,950.40	$3,950.40
DISCOUNTS EARNED	$0.00	$222.71	$121.77
MISCELLANEOUS INCOME	$0.00	$617.10	$2,064.60
TOTAL NON-OPERATING REVENUE	$105,400.00	$153,290.37	$63,530.60
TOTAL REVENUE	$18,056,100.00	$17,561,967.15	$16,941,269.11

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
OPERATING EXPENSES			
WALKING CREW	$44,100.00	$2,750.49	$24,073.54
TROUBLE CREW	$91,800.00	$91,674.49	$86,962.18
MANHOLE CREW	$93,600.00	$58,965.95	$73,615.05
POWER DRIVE CREW	$69,300.00	$31,901.76	$52,235.42
TELEVISION CREW #1	$108,900.00	$93,532.16	$105,237.53
TELEVISION CREW #2	$103,300.00	$93,451.94	$93,805.84
COLLECTION SYSTEMS-GENERAL	$1,134,000.00	$926,105.20	$977,829.26
REPAIR CREW #1	$198,800.00	$137,214.56	$173,117.63
REPAIR CREW #2	$156,800.00	$128,146.06	$146,538.30
REPAIR CREW #3	$189,000.00	$103,465.62	$177,199.80
REPAIR CREW #4	$117,100.00	$129,877.61	$110,206.01
POWER RODDING CREW #1	$52,200.00	$21,705.03	$26,067.80
VAC-CON CREW #1	$141,300.00	$157,417.26	$124,172.31
VAC-CON CREW #2	$129,300.00	$122,803.79	$57,634.42
VAC-CON CREW #3	$132,300.00	$126,718.57	$59,499.59
VAC-CON CREW #4	$0.00	$8,494.65	$15,481.08
VAC-CON CREW #5	$121,700.00	$130,894.17	$107,583.69
LOCATION WORK	$37,900.00	$33,159.83	$36,009.54
ENGINEERING OFFICE	$254,700.00	$236,134.69	$200,633.48
GENERAL ENGINEERING DEPT.	$296,400.00	$169,622.37	$156,211.97
ENV.COMPL. & SAFETY DEPT	$184,500.00	$590,545.64	$369,151.49
TREATMENT DEPARTMENT	$3,749,400.00	$3,015,731.79	$2,884,529.87
PUMP STATION DEPARTMENT	$461,500.00	$504,159.82	$406,108.48
BILLING DEPARTMENT	$600,500.00	$590,421.67	$552,784.15
ADMINISTRATIVE	$820,300.00	$710,780.64	$675,237.85
LOSS (GAIN) ON PROPERTY DISPOSALS	$0.00	($21,920.36)	($138,937.34)
DEPRECIATION EXPENSE-NON VEHICLE	$3,112,200.00	$2,993,596.45	$2,899,042.06
PENSION EXPENSE	$603,900.00	$599,377.47	$568,447.56
CMMS RELATED EXPENSES	$6,600.00	$6,583.33	$0.00
TOTAL OPERATING EXPENSES	$13,011,400.00	$11,793,312.65	$11,020,478.56
NON-OPERATING EXPENSES			
INTEREST ON DEBT-ALL BONDS	$795,300.00	$774,922.94	$709,839.43
TOTAL NON-OPERATING EXPENSES	$795,300.00	$774,922.94	$709,839.43
TOTAL EXPENSES	$13,806,700.00	$12,568,235.59	$11,730,317.99

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$4,249,400.00	$4,993,731.56	$5,210,951.12
EMERGENCY REPAIRS	($302,800.00)	($302,829.51)	$0.00
EXPENSES RELATED TO FIRE DAMAGE	$0.00	($47,158.25)	$0.00
NET INCOME (LOSS)	3,946,600.00	4,643,743.80	5,210,951.12

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	SEPTEMBER 2019	YEAR TO DATE 2019	SEPTEMBER 2018	YEAR TO DATE 2018
REVENUE				
OPERATING REVENUE				
INSIDE NLR SERVICE CHARGES	$1,148,670.73	$10,028,253.69	$1,091,258.34	$9,898,479.86
OUTSIDE NLR SERVICE CHARGES	$259,767.03	$2,318,257.83	$244,585.58	$2,207,305.41
MAUMELLE SERVICE CHARGES	$270,137.18	$2,318,331.25	$255,188.41	$2,210,770.23
SHERWOOD TREATMENT CHARGES	$51,019.00	$459,171.00	$27,694.00	$249,246.00
CUSTOMER SERVICE CHARGES	$4,441.10	$39,635.12	$4,346.55	$38,667.91
INDUSTRY REGULAR CHARGES	$164,626.84	$1,531,466.11	$172,323.67	$1,505,476.63
INDUSTRY SURCHARGE/PENALTY CHARGES	$14,983.83	$368,430.16	$41,368.30	$395,402.39
INDUSTRY LATE FEE CHARGES	$478.93	$18,775.67	$0.00	$5,061.03
LATE FEE CHARGES-RES. & COM.	$27,387.66	$269,073.12	$24,520.42	$256,296.17
TIE-ON FEE CHARGES	$0.00	$19,235.09	$2,978.60	$61,825.42
CONNECTION INSPECTION PERMITS	$2,390.00	$24,080.00	$2,765.00	$29,715.00
PARTIAL INSPECTION PEMITS	$0.00	$450.00	$270.00	$675.00
TAP & STREET CUTTING PERMITS	$350.00	$7,350.00	$1,400.00	$9,800.00
REVIEW PLANS & SPECIFICATIONS	$288.55	$6,167.74	$614.25	$9,017.46
TOTAL OPERATING REVENUE	$1,944,540.85	$17,408,676.78	$1,869,313.12	$16,877,738.51
NON OPERATING REVENUE				
INTEREST EARNED INCOME-SECURITES	$16,038.14	$128,242.79	$9,659.49	$49,180.33
INTEREST EARNED INCOME-CHECKING	$2,893.69	$20,257.37	$933.62	$8,213.50
INTEREST EARNED INCOME-NOTES	$434.11	$3,950.40	$434.11	$3,950.40
DISCOUNTS EARNED	$20.65	$222.71	$2.33	$121.77
MISCELLANEOUS INCOME	$0.00	$617.10	$0.00	$2,064.60
TOTAL NON-OPERATING REVENUE	$19,386.59	$153,290.37	$11,029.55	$63,530.60
TOTAL REVENUE	$1,963,927.44	$17,561,967.15	$1,880,342.67	$16,941,269.11

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	SEPTEMBER 2019	YEAR TO DATE 2019	SEPTEMBER 2018	YEAR TO DATE 2018
OPERATING EXPENSES				
WALKING CREW	$0.00	$2,750.49	$3,672.10	$24,073.54
TROUBLE CREW	$12,686.11	$91,674.49	$12,061.65	$86,962.18
MANHOLE CREW	$5,573.11	$58,965.95	$7,771.31	$73,615.05
POWER DRIVE CREW	$2,389.59	$31,901.76	$4,924.05	$52,235.42
TELEVISION CREW #1	$12,608.33	$93,532.16	$12,307.52	$105,237.53
TELEVISION CREW #2	$11,707.17	$93,451.94	$8,608.92	$93,805.84
COLLECTION SYSTEMS-GENERAL	$110,102.88	$926,105.20	$149,486.15	$977,829.26
REPAIR CREW #1	$17,049.26	$137,214.56	$17,056.66	$173,117.63
REPAIR CREW #2	$16,067.98	$128,146.06	$16,276.45	$146,538.30
REPAIR CREW #3	$15,193.77	$103,465.62	$16,821.62	$177,199.80
REPAIR CREW #4	$18,178.96	$129,877.61	$11,698.18	$110,206.01
POWER RODDING CREW #1	$2,858.10	$21,705.03	$1,733.56	$26,067.80
VAC-CON CREW #1	$18,676.92	$157,417.26	$14,261.16	$124,172.31
VAC-CON CREW #2	$14,924.02	$122,803.79	$4,006.02	$57,634.42
VAC-CON CREW #3	$16,136.54	$126,718.57	$11,648.82	$59,499.59
VAC-CON CREW #4	$2,551.33	$8,494.65	$3,573.52	$15,481.08
VAC-CON CREW #5	$13,702.46	$130,894.17	$11,201.62	$107,583.69
LOCATION WORK	$3,845.63	$33,159.83	$5,436.21	$36,009.54
ENGINEERING OFFICE	$35,094.82	$236,134.69	$24,183.37	$200,633.48
GENERAL ENGINEERING DEPT.	$19,889.12	$169,622.37	$15,372.82	$156,211.97
ENV.COMPL. & SAFETY DEPT	$110,106.62	$590,545.64	$45,584.57	$369,151.49
TREATMENT DEPARTMENT	$343,566.59	$3,015,731.79	$300,117.16	$2,884,529.87
PUMP STATION DEPARTMENT	$60,587.52	$504,159.82	$38,981.79	$406,108.48
BILLING DEPARTMENT	$77,752.62	$590,421.67	$74,202.40	$552,784.15
ADMINISTRATIVE	$86,127.56	$710,780.64	$66,644.44	$675,237.85
LOSS (GAIN) ON PROPERTY DISPOSALS	($20,255.00)	($21,920.36)	($93,924.42)	($138,937.34)
DEPRECIATION EXPENSE-NON VEHICLE	$336,340.75	$2,993,596.45	$324,430.54	$2,899,042.06
PENSION EXPENSE	$66,183.33	$599,377.47	$62,758.34	$568,447.56
CMMS RELATED EXPENSES	$4,333.33	$6,583.33	$0.00	$0.00
TOTAL OPERATING EXPENSES	$1,413,979.42	$11,793,312.65	$1,170,896.53	$11,020,478.56
NON-OPERATING EXPENSES				
INTEREST ON DEBT-ALL BONDS	$87,756.47	$774,922.94	$80,835.45	$709,839.43
TOTAL NON-OPERATING EXPENSES	$87,756.47	$774,922.94	$80,835.45	$709,839.43
TOTAL EXPENSES	$1,501,735.89	$12,568,235.59	$1,251,731.98	$11,730,317.99

North Little Rock Wastewater
Income Statement
For the Nine Months Ending Monday, September 30, 2019

	SEPTEMBER 2019	YEAR TO DATE 2019	SEPTEMBER 2018	YEAR TO DATE 2018
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$462,191.55	$4,993,731.56	$628,610.69	$5,210,951.12
EMERGENCY REPAIRS	($95,728.36)	($302,829.51)	$0.00	$0.00
EXPENSES RELATED TO FIRE DAMAGE	$0.00	($47,158.25)	$0.00	$0.00
NET INCOME (LOSS)	366,463.19	4,643,743.80	628,610.69	5,210,951.12

(5)

SOLAR PROJECT UPDATE

(6)

OPERATIONS TRUCK REPLACEMENT

Faulkner Lake Operators have two 2004 Chevy Pickup trucks with 97,000 and 106,000 miles. Faulkner Lake Groundskeeper has a 2009 Ford truck with 206,000 miles that is in very rough mechanical shape. Staff recommends replacing the 2009 Ford and rotating one of the Chevy trucks over to the Groundskeeper. Operations staff is in need of one larger 4-wheel drive vehicle to transport staff and materials to the other treatment plants. This allows for all weather treatment plant access and towing equipment such as generators, pumps, and tractors. Staff recommends purchase of a crew cab 4x4 F250 purchased off the state bid in the amount of $27,525. This purchase was included in the 2019 budget in the amount of $28,000. The 2009 Ford would be auctioned off on Govdeals.com.

ACTION REQUESTED:

Authorize staff to purchase this vehicle from the state bid in the amount of $ $27,525.

(7)

PENSION PLAN CONTRIBUTION

The Retirement Committee of North Little Rock Wastewater met on August 27,2019. The July 1, 2019 actuarial valuation report, provided by Mr. Jody Carreiro of Osborn, Carreiro & Associates, Inc. suggested a contribution of at least $575,000. The Retirement Committee, recommends a contribution amount of $705,000. This would pay out the unfunded liability in approximately 6 years. Mr. Nelson will provide a summary of the actuarial report.

ACTION REQUESTED:

Authorize the contribution amount of $705,000 to the North Little Rock Waste Water Utility Defined Benefit Pension Plan and Trust by January 1, 2020.

NORTH LITTLE ROCK WASTEWATER UTILITY
DEFINED BENEFIT PENSION PLAN AND TRUST

Actuarial Valuation
as of July 1, 2019

Osborn, Carreiro & Associates, Inc.

ACTUARIES ● CONSULTANTS ● ANALYSTS
124 West Capitol Avenue, Suite 1690
Little Rock, AR 72201 (501)376-8043
Jody Carreiro: JodyC@oca-actuaries.com

Osborn, Carreiro & Associates, Inc.

ACTUARIES ● CONSULTANTS ● ANALYSTS

One Union National Plaza, Suite 1690
124 West Capitol Avenue
Little Rock, Arkansas 72201
(501)376-8043 fax (501)376-7847

August 26, 2019

Mr. Charles Frost
North Little Rock Wastewater Utility
P.O. Box 17898
North Little Rock, AR 72117-0898

RE: North Little Rock Wastewater Utility Defined Benefit Pension Plan and Trust

Dear Charles:

This report presents the results of our actuarial valuation of the assets and liabilities of the North Little Rock Wastewater Utility Defined Benefit Pension Plan and Trust as of July 1, 2019. This valuation determines the contributions for the 2019 Plan Year (July 1, 2019 to June 30, 2020).

A brief summary of the more important figures developed in this valuation, with comparable results from the prior administrator's report, follows:

	7/1/2017	7/1/2018	7/1/2019
Number in Plan			
a) Active Members	80	82	79
b) Inactive Members	71	75	81
Salary of Actives in Plan	$ 3,675,206	$ 3,843,866	$ 3,856,063
Assets	$ 10,932,283	$ 11,646,585	$ 13,202,660
Contribution Levels			
a) Pay UAAL in 10 years	$ 702,970	$ 698,563	$ 575,971
(% of covered payroll)	(19.13%)	(18.17%)	(14.94%)
b) Pay UAAL in 20 years	$ 563,085	$ 563,710	$ 487,910
(% of covered payroll)	(15.32%)	(14.67%)	(12.65%)

Actuarial Status of Plan

The Contribution level for the 2019 Plan Year (July 1, 2019 to June 30, 2020) ranges from $487,910 (12.65% of covered payroll) to $575,971 (14.94% of covered payroll). The $487,910 amount will pay off the Unfunded Actuarial Accrued Liability in 20 years, while the $575,971 amount will pay off the Unfunded Actuarial Accrued Liability in 10 years.

We recommend that you contribute at least $575,000 for 2019. This recommended amount is about 14.9% of payroll. The amount for the 10-year amortization, which has been the goal of the board in recent years, is the same. With the funding method being used, the trustees have a range of contributions within which the plan stays "on track" for good funding. As you see in this report, between 13% and 15% of payroll is the current range. This percentage of payroll should be a good planning range unless an outlying event occurs.

Changes Since Last Year

The 10-year amortization basis contribution is lower than last year mainly due to the additional contributions made during the 2018 Plan Year. The additional contributions increased the funding percentage by 4.39% while other gains accounted for an additional 2.64% increase.

Accounting Information

The GASB 67 and 68 information needs to be compiled right after the calendar year end to correlate with the utility's fiscal year end. A separate report will be compiled at that time using this valuation report as the basis for calculations.

Risk Disclosures

The calculations in this report are based on the data and assumptions as outlined in the attached Exhibits. This report is based on the participant and financial data supplied by the plan sponsor. We did not audit this data, although we did review it for reasonableness and consistency. We have relied on the data provided to us. If any of this data is incorrect or incomplete, the results of our calculations could be materially different.

Actual future measurements of the actuarially determined contributions and funded status may differ significantly from expected future measurements. There are several areas of risk that may cause the calculations to differ, including: plan experience differing from the anticipated economic assumptions (investment return, inflation, and salary increases), plan experience differing from the expected demographic assumptions (rates of termination, disability, retirement and death). The user should understand the ongoing risks involved in using these results.

The largest area of risk is the long term expected rate of return. One measure of this will be found in Appendix D of the GASB report when finalized. If the long term expected rate of return was reduced by 1% to 5.5%, the UAAL (and Net Pension Liability) would be increased from $1.75 to $3.4 million. The following table includes some other key amounts to be considered.

Year End	Funded Percentage	Net Pension Liability	Assets	Covered Payroll	Ratio of Assets : Payroll	ADC of 1% Change In Assets
6/30/2013	75.84%	2,515,946	7,899,467	3,375,994	234.0%	0.32%
6/30/2014	78.65%	2,506,653	9,232,043	3,125,501	295.4%	0.40%
6/30/2015	81.55%	2,139,514	9,456,840	3,288,939	287.5%	0.39%
6/30/2016	80.62%	2,387,875	9,934,713	3,621,125	274.4%	0.37%
6/30/2017	79.62%	2,786,093	10,883,507	3,675,206	296.1%	0.40%
6/30/2018	81.21%	2,685,871	11,611,424	3,843,866	302.1%	0.41%
6/30/2019	88.24%	1,753,904	13,165,165	3,856,063	341.4%	0.46%

Funded Percentage is a good measurement, but by itself is not a reliable barometer of plan health. The Funded Percentage also does not tell us the changes in assumptions. In your case, in 2014 with the implementation of GASB 67, we changed the valuation method and mortality to reflect current practice which reduced the Funded Percentage. Then in 2017, we changed the discount rate to 6.5%.

Many reports will use the ratio of Assets to Payroll as a risk indicator. This ratio is shown in the table. This is a good ratio since as this ratio grows it shows how much more risk is involved when the market moves. But we have also included an indicator titled "ADC of 1% Change in Assets". We took one percent market value of assets each year and calculated how much that would have changed the ADC (Actuarially Determined Contribution, i.e. the 10 year amortization) that year as a percentage of payroll. This shows more clearly how market fluctuations will change the ADC. As the plan is better funded, changes in the market are the biggest risk areas for contribution amount.

One other area to consider is the demographic assumptions. The size of the liability gains and losses each year have been relatively small. We need to regularly schedule to review those assumptions and can review the variance in liabilities due to these different assumptions as part of that process. In particular, our current mortality table does not reflect ongoing mortality improvement.

Scope of Report and Statement of Qualifications

The purpose of this report is to help the plan sponsor evaluate the plan status and funding requirements for an on-going plan and to present certain actuarial items required for disclosure purposes. This report is not intended for any other purpose or for use by persons who are not familiar with such matters.

This report has been prepared by actuaries who have experience valuing public employee retirement systems. To the best of our knowledge, this report is complete and accurate and was completed in accordance with standards of practice promulgated by the Actuarial Standards Board and in conformance with applicable Arkansas law. The actuaries know of no significant conflicts of interest with the plan sponsor. The actuaries are Members of the American Academy of Actuaries (MAAA) and meet the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained in this report.

We are available to discuss this report with you in detail as desired. In the meantime, if you have any questions or comments, please let us know.

Sincerely,

Jody Carreiro

Jody Carreiro, ASA, MAAA, EA
Actuary

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EXHIBIT 1

CONTRIBUTIONS

The following contribution level reflects the payment of the current year Normal Cost for benefits attributable to said year (see Exhibit 2) plus an amount sufficient to pay off the Unfunded Actuarial Accrued Liability ("UAAL") over a set number of years.

	7/1/2018	7/1/2019
Annual Contribution necessary to:		
A. Pay UAAL off in 10 years		
1. Normal Cost	$ 372,160	$ 359,055
2. 10-year amortization of UAAL	304,414	198,786
3. Interest adjustment	21,989	18,130
4. Total Cost	$ 698,563	$ 575,971
(percent of pay)	(18.17%)	(14.94%)
B. Pay UAAL off in 20 years		
1. Normal Cost	$ 372,160	$ 359,055
2. 20-year amortization of UAAL	173,806	113,497
3. Interest adjustment	17,744	15,358
4. Total Cost	$ 563,710	$ 487,910
(percent of pay)	(14.67%)	(12.65%)

EXHIBIT 2

COSTS AND LIABILITIES

		7/1/2018		7/1/2019
A. Normal Cost (Cost to fund current active members)				
1. Total Normal Cost	$	372,160	$	359,055
2. Covered Payroll	$	3,843,866	$	3,856,063
3. Normal Cost as Percent of Covered Pay		9.68%		9.31%
B. Actuarial Accrued Liability				
1. Actives	$	8,569,330	$	8,875,686
2. Retirees		4,941,122		5,205,987
3. Terminated Vesteds		786,843		837,396
4. Total Liability	$	14,297,295	$	14,919,069
C. Assets	$	11,611,424	$	13,165,165
D. Unfunded Actuarial Accrued Liability	$	2,685,871	$	1,753,904
E. Funded Percentage		81.21%		88.24%

EXHIBIT 3

SUMMARY OF FINANCIAL INFORMATION

(Items D-E determined by Osborn, Carreiro and Associates, Inc.)

	Plan Year Ended		
	6/30/2017	6/30/2018	6/30/2019
A. INCOME			
1. Contributions			
Employee	$ 0	$ 0	$ 0
Employer	625,000	702,970	1,353,100
Other	0	0	0
2. Investment Income			
Interest and Dividends	376,543	388,800	410,605
Gains and Losses	575,058	288,415	494,531
Investment Expense	- 92,891	- 99,237	- 106,332
Net Investment Income	858,710	577,978	798,804
TOTAL INCOME	$ 1,483,710	$ 1,280,948	$ 2,151,904
B. EXPENSES			
1. Administrative	$ 0	$ 0	$ 0
2. Monthly Benefits	535,165	566,646	595,829
3. Lump Sums	13,962	0	0
TOTAL EXPENSES	$ 549,127	$ 566,646	$ 595,829

EXHIBIT 3 (Continued)

	6/30/2017	6/30/2018	6/30/2019
C. ASSETS (Market)			
1. Cash and Money Market	$ 448,189	$ 354,208	$ 361,047
2. Mutual Funds	3,602,469	3,536,378	3,714,023
3. Bonds			
Government	274,626	378,673	291,447
Corporate	259,530	351,837	361,108
4. Equities			
Preferred Stocks	0	0	0
Common Stocks	6,129,657	6,601,887	7,558,622
5. Investment Certificates			
Flexible Savings	171,960	375,275	866,044
6. Other			
Interest Receivable	0	0	0
Payables	0	0	0
Other	45,852	48,327	50,369
TOTAL ASSETS	$ 10,932,283	$ 11,646,585	$ 13,202,660
less individual accounts	- 48,776	- 35,161	- 37,495
ADJUSTED ASSETS	$ 10,883,507	$ 11,611,424	$ 13,165,165
D. RATIO OF ASSETS TO ANNUAL EXPENSES:	19.8	20.5	22.1
E. ANNUAL INVESTMENT RETURN:	8.6%	5.3%	6.6%

EXHIBIT 4

RECONCILIATION OF PARTICIPANT DATA

	Active	Terminated Vested	Retired	Total
Number of Participants on 7/1/2018	82	32	43	157
Retired	- 3	- 2	+ 5	0
Disabled	0	0	0	0
Terminated Vested	- 5	+ 5	0	0
Terminated nonvested	- 4	0	0	- 4
Cashed out	0	0	0	0
Died	0	0	- 1	- 1
Benefit period ended	0	0	- 1	- 1
New Entrants	+ 9	0	0	+ 9
Number of Participants on 7/1/2019	79	35	46	160

**Does not include 6 not eligible due to age or service.

EXHIBIT 4

Employee Profile

Employee data needed for the valuation was obtained from the records furnished by the administrator. The following table shows a detailed breakdown of the present participants and salaries by age and years of service.

Actives

		Years of Service							
Age		0-4.9	5-9.9	10-14.9	15-19.9	20-24.9	25-29.9	30 and Over	Total
Under 25	Count	0	0	0	0	0	0	0	0
	Salary	0	0	0	0	0	0	0	0
25-29	Count	3	2	0	0	0	0	0	5
	Salary	84,416	74,711	0	0	0	0	0	159,127
30-34	Count	6	1	5	0	0	0	0	12
	Salary	197,814	32,595	188,286	0	0	0	0	418,695
35-39	Count	4	4	1	1	0	0	0	10
	Salary	177,277	151,499	37,447	71,366	0	0	0	437,589
40-44	Count	0	2	0	1	3	0	0	6
	Salary	0	67,918	0	37,593	134,553	0	0	240,064
45-49	Count	1	0	4	0	2	3	0	10
	Salary	27,668	0	156,710	0	81,651	191,667	0	457,696
50-54	Count	2	1	0	3	2	1	0	9
	Salary	87,101	112,332	0	118,160	96,028	63,811	0	477,432
55-59	Count	1	1	2	0	2	2	2	10
	Salary	35,019	31,976	69,041	0	83,392	172,010	126,071	517,509
60-64	Count	2	1	0	0	0	2	5	10
	Salary	80,937	36,480	0	0	0	90,924	399,410	607,751
65 - 70	Count	2	0	1	0	0	2	0	5
	Salary	116,499	0	49,857	0	0	261,721	0	428,077
over 70	Count	1	0	0	0	0	1	0	2
	Salary	44,275	0	0	0	0	67,846	0	112,121
Total	Count	22	12	13	5	9	11	7	79
	Salary	851,006	507,511	501,341	227,119	395,624	847,979	525,481	3,856,061

The average attained age of those included in the valuation is	47.41
The average salary of those included in the valuation is	$ 48,811
The average service of those included in the valuation is	14.58

EXHIBIT 4

Retiree Profile

Retiree and Beneficiary data needed for the valuation was obtained from the records furnished by the administrator. The following table shows a detailed breakdown of the current reciepients and annual benefit by age and years since retirement.

Retirees

		Years since Retirement							
Age		less than 1 year	1 - 2	2 - 3	3 - 4	4 - 5	5 - 10	Over 10 years	Total
Under 45	Count	0	0	0	0	0	0	0	0
	Salary	0	0	0	0	0	0	0	0
45 - 50	Count	0	0	0	0	0	0	0	0
	Salary	0	0	0	0	0	0	0	0
50 - 55	Count	0	0	0	0	0	0	1	1
	Salary	0	0	0	0	0	0	2,087	2,087
55 - 60	Count	1	0	1	0	0	0	0	2
	Salary	8,721	0	1,940	0	0	0	0	10,661
60 - 65	Count	1	1	0	0	0	2	1	5
	Salary	8,918	15,939	0	0	0	3,757	16,164	44,778
65 - 70	Count	1	2	5	0	1	3	3	15
	Salary	7,095	20,573	95,156	0	12,346	18,333	13,203	166,706
70 - 75	Count	0	1	0	1	0	3	3	8
	Salary	0	10,254	0	21,031	0	33,217	13,585	78,087
75 - 80	Count	0	0	0	0	0	3	2	5
	Salary	0	0	0	0	0	104,911	60,998	165,909
80 - 85	Count	0	0	0	0	0	1	4	5
	Salary	0	0	0	0	0	61,321	46,142	107,463
85 - 90	Count	0	0	0	0	0	0	3	3
	Salary	0	0	0	0	0	0	18,320	18,320
over 90	Count	0	0	0	0	0	0	2	2
	Salary	0	0	0	0	0	0	10,416	10,416
Total	Count	3	4	6	1	1	12	19	46
	Salary	24,734	46,766	97,096	21,031	12,346	221,539	180,915	604,427

The average attained age of the retirees in the valuation is 71.50

The average annual benefit of those included in the valuation is $ 13,140

EXHIBIT 5

PRINCIPAL PROVISIONS OF THE PLAN

EFFECTIVE DATE:	July 1, 1963.
EMPLOYER:	North Little Rock Wastewater Utility.
PLAN YEAR:	July 1 to June 30.
PARTICIPATION:	An Employee is eligible to enter the plan on the date following twelve (12) months of employment and the attainment of age 25.
EMPLOYEE CONTRIBUTIONS:	None.
COMPENSATION:	Compensation as reported on Form W-2.
FINAL AVERAGE COMPENSATION:	Average compensation over the 5 consecutive calendar years out of the last 10 that produces the highest average.
YEARS OF CREDITED SERVICE:	One year for each Plan Year in which he completes 1000 hours of service.
YEARS OF PARTICIPATION:	One year for each Plan Year in which he completes 1000 hours of service.

EXHIBIT 5 (Continued)

NORMAL RETIREMENT:

Eligibility:	Age 65 and 5 years of participation.
Benefit:	2% of Final Average Compensation times Years of Credited Service at Normal Retirement Date not to exceed 30.
Form:	Life with 10 years certain annuity.

ACCRUED BENEFIT:	2% of Final Average Compensation times Years of Credited Service not to exceed 30.

EARLY RETIREMENT:

Eligibility:	Age 55 and 10 years of participation.
Benefit:	Accrued Benefit reduced by 1/180 for the first 60 months and 1/360 for the next 60 months.

DISABILITY BENEFITS:

Eligibility:	Total and permanent disability.
Benefit:	Accrued Benefit, actuarially reduced.

DEATH BENEFITS:

Eligibility:	Death of a vested Participant.
Benefits:	The Present Value of Accrued Benefits as a lump sum or in other optional forms.

VESTING:	100% after 5 Years of Service.
ACTUARIAL EQUIVALENT:	RP-2000 Mortality Table (post-retirement only) at 6.50%.

EXHIBIT 6

ACTUARIAL COST METHODS AND ASSUMPTIONS

COST METHOD:	The "entry age normal cost method" has been used in determining retirement cost. The method used for the July 1, 2013 and previous valuations was the aggregate funding method.
AMORTIZATION METHOD	The entry age normal cost method also requires an amortization method to be used in calculating the range of recommended contributions. The Unfunded Liabilities are amortized on a level percentage of salary method and a range of 10 to 20 years is shown.
PRE-RETIREMENT MORTALITY:	RP 2000 table.
POST-RETIREMENT MORTALITY:	RP 2000 table. The mortality table used for the July 1, 2013 and previous valuations was the Unisex Pensioner 1984 table (UP84).
MORTALITY PROJECTION:	Future mortality improvements were not considered in developing the suggested contribution for this report. The liabilities are significantly more volatile with regards to the other assumptions (i.e., investment return, retirement age, and turnover) than with mortality improvement.
VOLUNTARY TERMINATIONS:	T-2 table.
EXPECTED RETIREMENT PATTERN:	Retirement was assumed to occur on the Normal Retirement Date.
ASSUMED INVESTMENT RETURN:	6.50% beginning with July 1, 2017 (7.50% for prior years).
SALARY AND PAYROLL GROWTH:	3.50% annually (4.50% for prior years).