

**TREATMENT DEPARTMENT STATUS REPORT**

**December, 2017**

	<b><u>BOD</u></b>	<b><u>TSS</u></b>
Faulkner Lake	7.8 mg/L (30 Max.)	5.1 mg/L (30 Max.)
Five Mile	59.6 mg/L (30 Max.)	35.0 mg/L (90 Max.)
White Oak	17.2 mg/L (30 Max.)	13.3 mg/L (90 max.)
Maumelle	22.5 mg/L (30Max.)	17.6 mg/L (30 Max.)

Shannon Wayson  
Chemist

## North Little Rock Wastewater

### 2017 Year-To-Date Work Recap Report

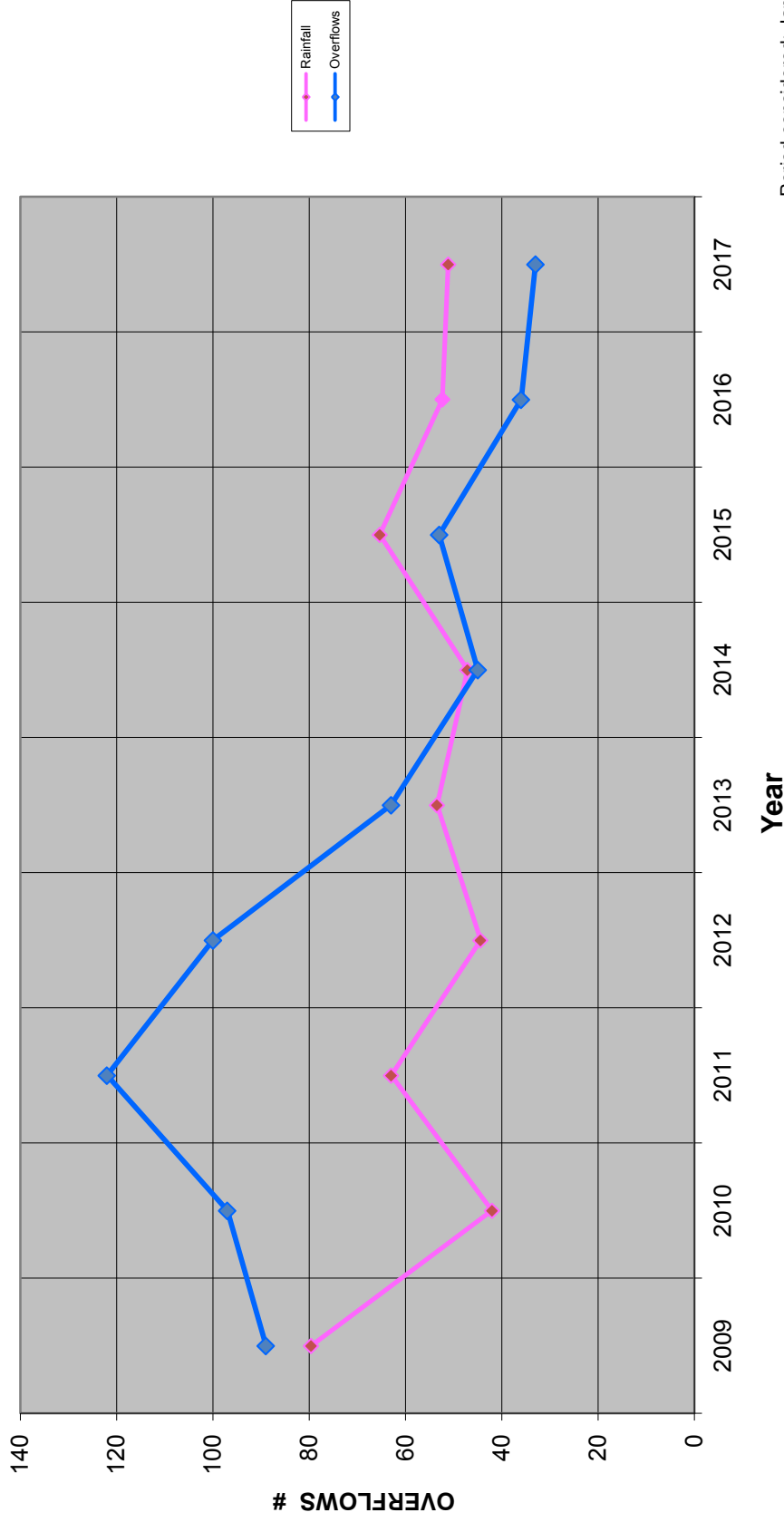
<b>Crews:</b>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y T D
<b>MANHOLE:</b>													
<i>Disconnects</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Taps</i>	0	0	0	0	0	0	0	0	0	0	2	0	2
<i>Repairs</i>	64	81	98	0	77	57	54	160	227	147	164	81	1,210
<i># of MH's Grouted</i>	30	68	47	47	7	36	47	93	9	152	158	78	772
<i># of Coats</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>MH Depth (Ft/In)</i>	0.0	6.0	0.0	0	37.0	90.5	26.5	57.0	50.0	6.0	25.5	0.0	299
<i># of Bags of Grout</i>	6	5	10	0	20	25	6	13	27	41	19	10	182
<b>POWER DRIVE:</b>													
<i># of Ft Cleaned</i>	6,756	15,882	6,735	7,783	4,863	3,701	10,413	11,751	8,876	9,051	7,859	8,756	102,426
<b>PWR RODDER #1:</b>													
<i># of Ft Cleaned</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>REPAIR #1:</b>													
<i>Repairs</i>	5	8	15	10	9	4	4	8	11	3	6	1	84
<i>New Manholes</i>	1	0	0	0	1	2	3	2	0	1	1	1	12
<i>New Lines</i>	1	0	0	0	1	1	2	1	0	1	1	1	9
<i>Disconnects</i>	0	0	1	0	0	0	0	0	0	0	0	0	1
<i>Taps</i>	0	0	2	1	0	1	1	2	2	1	0	0	10
<i>Miscellaneous</i>	2	4	9	6	3	0	5	2	8	0	3	0	42
<b>REPAIR #2:</b>													
<i>Repairs</i>	17	15	11	14	8	8	10	13	13	11	8	9	137
<i>New Manholes</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>New Lines</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Disconnects</i>	0	1	0	0	0	0	1	0	0	0	0	1	3
<i>Taps</i>	1	0	0	1	2	0	3	1	0	0	0	2	10
<i>Miscellaneous</i>	8	4	3	10	3	9	5	10	1	0	1	3	57
<b>REPAIR #3:</b>													
<i>Repairs</i>	9	11	11	12	7	4	8	4	2	7	3	2	80
<i>New Manholes</i>	1	0	0	0	0	2	0	1	1	3	4	0	12
<i>New Lines</i>	0	0	0	0	0	0	0	0	0	0	3	0	3
<i>Disconnects</i>	0	1	0	0	0	0	0	0	0	0	0	0	1
<i>Taps</i>	0	2	2	0	1	2	0	0	0	0	0	0	7
<i>Miscellaneous</i>	0	17	8	7	5	4	3	1	1	1	0	3	50
<b>REPAIR #4:</b>													
<i>Repairs</i>	4	7	9	3	13	4	5	6	5	6	4	4	70
<i>New Manholes</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>New Lines</i>	0	0	0	1	0	0	0	0	0	0	0	0	1
<i>Disconnects</i>	25	15	10	10	13	13	10	14	24	24	10	18	186
<i>Taps</i>	0	0	0	0	0	1	0	0	0	0	0	0	1
<i>Miscellaneous</i>	1	1	9	3	7	15	4	6	2	4	2	4	58
<b>TROUBLE:</b>													
<i># of Ft Cleaned</i>	1,801	815	572	511	773	574	0	130	80	107	1,222	399	6,984
<i>Stop-Ups</i>	50	40	47	31	39	7	22	25	32	31	39	29	392
<i>Private Lines</i>	33	31	33	21	30	23	17	21	21	20	26	19	295
<i>Cave-Ins</i>	6	1	3	7	11	1	2	0	4	1	4	1	41
<i>Flooded Houses</i>	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Miscellaneous</i>	39	43	48	46	53	52	61	72	45	58	44	25	586
<i>Total Calls</i>	97	83	99	81	103	83	84	96	81	89	87	54	1,037
<b>VACCON #1:</b>													
<i># of Ft Cleaned</i>	37,222	36,816	40,641	37,587	36,029	32,035	35,929	44,220	35,343	33,068	27,134	21,875	417,899
<b>VACCON #2:</b>													
<i># of Ft Cleaned</i>	22,978	39,994	41,972	49,039	45,762	43,881	44,740	39,641	34,223	45,273	34,201	17,980	459,684
<b>VACCON #3:</b>													
<i># of Ft Cleaned</i>	50,961	45,546	46,199	45,189	62,409	31,999	58,888	50,548	54,650	60,244	46,089	22,580	575,302
<b>VACCON #4:</b>													
<i># of Ft Cleaned</i>	17,567	0	10,715	927	12,822	25,010	1,520	5,139	0	1,517	0	1,976	77,193
<b>VACCON #5:</b>													
<i># of Ft Cleaned</i>	27,671	22,319	43,157	29,529	27,902	41,854	42,686	41,658	35,078	35,338	31,504	29,919	408,615
<b>T V #1</b>													
<i># of Ft</i>	19,511	21,420	24,657	14,535	21,301	18,530	21,850	29,761	25,152	19,697	15,136	11,220	242,770
<b>T V #2</b>													
<i># of Ft</i>	18,483	9,151	21,477	19,663	22,210	28,528	26,824	26,461	22,794	20,167	13,627	11,439	240,824

**NLR Wastewater  
Maintenance & Repair Department  
Work Recap by Ward  
December-17**

<b>Crews:</b>	Ward 0	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Total
<b>MANHOLE:</b>							
<i>Disconnects</i>	0	0	0	0	0	0	0
<i>Taps</i>	0	0	0	0	0	0	0
<i>Repairs</i>	0	1	0	19	55	6	81
<i># of MH's Grouted</i>	0	1	0	17	54	6	78
<i># of Coats</i>	0	0	0	0	0	0	0
<i>MH Depth (Ft/In)</i>	0.0	0.0	0	0.0	0.0	0.0	0.0
<i># of Bags of Grout</i>	0	0	0.0	2.0	6.0	2.0	10
<b>POWER DRIVE:</b>							
<i># of Ft Cleaned</i>	5,010	0	0	2,399	1,347	0	8,756
<b>PWR RODDER #1:</b>							
<i># of Ft Cleaned</i>	0	0	0	0	0	0	0
<b>REPAIR #1:</b>							
<i>Repairs</i>	0	1	0	0	0	0	1
<i>New Manholes</i>	0	1	0	0	0	0	1
<i>New Lines</i>	0	1	0	0	0	0	1
<i>Disconnects</i>	0	0	0	0	0	0	0
<i>Taps</i>	0	0	0	0	0	0	0
<i>Miscellaneous</i>	0	0	0	0	0	0	0
<b>REPAIR #2:</b>							
<i>Repairs</i>	0	2	4	3	0	0	9
<i>New Manholes</i>	0	0	0	0	0	0	0
<i>New Lines</i>	0	0	0	0	0	0	0
<i>Disconnects</i>	0	0	1	0	0	0	1
<i>Taps</i>	0	2	0	0	0	0	2
<i>Miscellaneous</i>	0	1	2	0	0	0	3
<b>REPAIR #3:</b>							
<i>Repairs</i>	0	0	1	1	0	0	2
<i>New Manholes</i>	0	0	0	0	0	0	0
<i>New Lines</i>	0	0	0	0	0	0	0
<i>Disconnects</i>	0	0	0	0	0	0	0
<i>Taps</i>	0	0	0	0	0	0	0
<i>Miscellaneous</i>	0	0	2	1	0	0	3
<b>REPAIR #4:</b>							
<i>Repairs</i>	0	0	2	1	1	0	4
<i>New Manholes</i>	0	0	0	0	0	0	0
<i>New Lines</i>	0	0	0	0	0	0	0
<i>Disconnects</i>	0	3	12	1	2	0	18
<i>Taps</i>	0	0	0	0	0	0	0
<i>Miscellaneous</i>	0	0	3	0	1	0	4
<b>TROUBLE:</b>							
<i># of Ft Cleaned</i>	0	318	81	0	0	0	399
<i>Stop-Ups</i>	1	11	7	5	2	3	29
<i>Private Lines</i>	1	4	5	5	2	2	19
<i>Cave-Ins</i>	0	0	1	0	0	0	1
<i>Flooded Houses</i>	0	0	0	0	0	0	0
<i>Miscellaneous</i>	1	3	13	4	3	1	25
<i>Total Calls</i>	2	13	21	9	5	4	54
<b>VACCON #1:</b>							
<i># of Ft Cleaned</i>	0	2,467	4,206	155	78	14,969	21,875
<b>VACCON #2:</b>							
<i># of Ft Cleaned</i>	903	3,786	6,785	2,289	4,217	0	17,980
<b>VACCON #3:</b>							
<i># of Ft Cleaned</i>	0	252	22,328	0	0	0	22,580
<b>VACCON #4:</b>							
<i># of Ft Cleaned</i>	0	88	178	0	459	1,251	1,976
<b>VACCON #5:</b>							
<i># of Ft Cleaned</i>	220	1,668	3,356	23,961	714	0	29,919
<b>T V #1</b>							
<i># of Ft</i>	0	3,936	3,416	155	0	3,713	11,220
<b>T V #2</b>							
<i># of Ft</i>	0	453	9,648	330	1,008	0	11,439

# North Little Rock Wastewater North Little Rock, AR

Annual Overflows and Rainfall



Period considered: January 1, 2008  
thru Dec. 31, 2017

Note: 2009 Rainfall Year to Date  
(12/7/09) ranks as the highest on record.  
(per National Weather Service, NLR Office)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
<b>Faulkner Lake Basin</b>														
Rainfall	69.5	42.5	58.5	56.3	61.8	77.5	41.5	76.5	45.46	62.8	54.2	70.07	61.6	55.1
Overflows	54	59	54	64	47	38	42	61	63	36	21	27	19	14
<b>White Oak Basin</b>														
Rainfall	129.9	82.4	89	53.7	60.1	77	44.2	68.6	46.56	50.75	44	68.7	51.2	56.1
Overflows	11	26	33	37	32	35	32	45	25	13	9	21	9	5
<b>Five Mile Creek Basin</b>														
Rainfall	62.3	42.6	53.2	48.8	55.9	70.4	35	60.4	41.15	52.4	46.6	66.5	49.5	48.7
Overflows	24	16	25	18	14	16	23	16	12	14	15	5	5	9
<b>Maumelle Basin</b>														
Rainfall														
Overflows													41.1	51.4
													4	5
<b>Entire System</b>														
Rainfall	57.79	37.83	49.78	49.05	51.93	79.61	42.04	62.98	44.42	53.45	47.15	65.36	52.37	51.15
Overflows	89	101	112	119	93	89	97	122	100	63	45	53	36	33



## AGENDA FOR NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE MEETING

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**RE:** Committee Meeting  
**PLACE:** Faulkner Lake Treatment Plant  
7400 Baucum Pike, North Little Rock, Arkansas 72117  
**DATE:** January 9, 2018  
**TIME:** 12:15 PM

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- (1) APPROVAL OF THE MINUTES OF THE DECEMBER 12, 2017 MEETING
- (2) CASH DISBURSEMENTS FOR DECEMBER 2017
- (3) FINANCIAL REPORT FOR DECEMBER 2017
- (4) DIVERSION OF MAUMELLE WASTEWATER TO THE WHITE OAK BAYOU WTP



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(1)

**NEW BUSINESS**

**ACTION REQUESTED:**

Approval of the Minutes of the DECEMBER 12, 2017 Committee Meeting



# NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE

## MINUTES OF A MEETING HELD TUESDAY, DECEMBER 12, 2017

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, December 12, 2017 at the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 12:16 p.m. Those in attendance at the meeting were Mr. K.W. Matthews, Mr. Sylvester Smith (appeared via conference call), Mr. Ed Nelson, Mr. Clark McGlothlin and Ms. Karen Bryant, and in addition, Mayor Mike Watson from the City of Maumelle and Mr. Jack Stowe and Ms. Judy Keller, representatives from the City of Maumelle. Also in attendance were Mr. Marc Wilkins, Director, Ms. Gina Briley, Mr. Charles Frost, Mr. Ronnie Thompson, Mr. Lyle Leubner, Mr. Michael Clayton, Mr. Scott Hilburn with Hilburn, Calhoun, Harper, Pruniski & Calhoun, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its November 14, 2017 meeting. A motion was made by Ms. Bryant, seconded by Mr. Nelson, to approve the minutes of the November 14, 2017 meeting. The motion carried unanimously.

Next, the Committee reviewed the cash disbursements for November 2017. A motion was made by Mr. Nelson, seconded by Ms. Bryant to approve the cash disbursements for November 2017 reflecting total cash disbursements of \$2,668,414.42 and transfers between accounts of \$1,844,203.28. The motion carried unanimously.

The Committee then reviewed the Financial Statement for November 2017. There being no questions or comments, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to approve the Financial Statement for November 2017. The motion carried unanimously.

Mr. Wilkins then advised the Committee that the Utility received an invoice for the 2018 Workers' Compensation Insurance in the amount of \$106,358. The amount paid for 2017 was \$104,372, an increase of \$1,986. The National Council on Compensation Insurance Rates for the Utility's payroll classes went down 7% from 2017. The Utility's experience rating went from 1.81 to 1.88, which is a 4% increase. Further, the Utility did not qualify for the volume discount for 2018 which is based on the cumulative loss ratio. The number of claims for the 3 years considered in the ratio



are as follows:

- 2014 - 12 claims
- 2015 - 11 claims
- 2016 - 17 claims

As of November 30, 2017, the Utility has 10 claims. An amount of \$107,500 is included in the 2018 draft budget. Mr. McGlothlin asked what was being done by the Utility to try and get the number of claims down. Mr. Frost stated that Arkansas OSHA has been conducting seminars on education and prevention. After further discussion, a motion was made by Mr. Smith, seconded by Mr. Nelson, to authorize payment to the Municipal League Workers' Compensation Trust in the amount of \$106,358. The motion carried unanimously.

Mr. Wilkins then advised the Commission that the Utility received notification that the property and liability coverage for 2018 will be due in the amount of \$112,998. This is an increase of \$101 over the 2017 cost. APERMA will continue to pay up to \$7,500 per sewer back-up claim, with an annual cap of \$50,000. An amount of \$116,800 is included in the 2018 draft budget. A motion was then made by Mr. Nelson, seconded by Ms. Bryant, to authorize a payment to APERMA for property and liability insurance coverage in the amount of \$112,998. The motion carried unanimously.

Next, Mr. Wilkins advised the Committee that the Utility received a participation agreement from the Municipal Health Benefit Fund for the employee health insurance coverage. The Utility offers health, dental and vision insurance to its employees and their qualified dependents. The Utility pays 100% of the employee coverage and 75% of the dependent coverage. The monthly premiums will increase from \$405 to \$448 for employee only coverage and from \$900 to \$992.50 for family coverage effective January 1, 2018. It was noted that the Utility has not experienced an increase in rates since 2010. The 2018 draft budget includes this increase. The Utility's total expense for health insurance coverage is estimated to be \$847,200 for 2018 based on budgeted employees and coverage. The Municipal is updating their records and needs a current participation agreement on file from the Utility. After further discussion, a motion was made by Mr. McGlothlin, seconded by Mr. Nelson, to authorize the Utility to enter into the participation agreement with the Municipal Health Benefit Fund. The motion carried unanimously.

The Committee then reviewed the 2018 draft budget. Mr. Wilkins noted the highlights which are as follows:

1. The residential, commercial and industrial charges are based on the current rate ordinance which included a rate increase effective with the January usage which will be billed in February.
2. The Sherwood treatment charge is based on the court ordered formula

- calculations and the projected 2017 year-end account balances.
3. Other operating revenue such as late fees collection is based on a four year average.
  4. The labor budget for 2018 is based on the current labor force plus six positions which had not been filled at the time of budget preparation. A 3% cost of living increase for all employees effective for the first pay period of 2018 was also included. There are also line items for an incentive/merit program and any administrative realignment which is needed. The overtime cost is based on the 2017 percentage of overtime to regular labor cost.
  5. The other operating expense budget for 2018 is based on the projected 2017 year end balances plus a 3% increase. If a 2018 expense was expected to be more than 3%, the higher increase was included in the budget. One of these higher expenses is the employee medical insurance premiums which increased 10%. A new expense included in this budget is \$40,000 for an architect service to remodel the collections systems and engineering building. There is also a new line item called "Computerized Maintenance Management System" which includes the cost associated with the implementation, licensing and hosting fee for the program.
  6. The other operating expenses also include a \$753,100 contribution to the pension plan, which is approximately 15% of the projected 2018 gross payroll. Also, an amount of \$1,000,000 is included for possible emergency repairs as a separate line item.

After further discussion, Chairman Matthews stated that he would like to see the following change as it relates to pay increases as set out above:

- Delete the 3% cost of living increase for all employees
- For now, pay each employee a \$1,000 bonus
- Employ the services of EGP to determine if raises are justified for each employee, based on their salary, including benefits
- Once EGP has finalized their study, a determination will be made as to current market rates.

A motion was then made by Mr. McGlothlin, seconded by Ms. Bryant, to delete the 3% cost of living increase for all employees; pay each employee a \$1,000 bonus, employ the services the EGP to determine if raises are justified for each employee, based on their current salary, including benefits, and once EGP has finalized their study, make a determination as to current market rates for each employee. 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 12:437 p.m.

APPROVED AS TO FORM:

RESPECTFULLY SUBMITTED,

K. W. MATTHEWS, CHAIRMAN

SYLVESTER SMITH,  
VICE-CHAIRMAN/SECRETARY

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(2)

**CASH DISBURSEMENTS FOR DECEMBER 2017**

**ACTION REQUESTED:**

Approval of the Cash Disbursements for December 2017 showing total  
Cash Disbursements of **\$1,783,404.16.**

and

Fund Transfers between accounts of **\$1,155,295.75.**



**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
42941	Jimmy Don Waddles Hauling, Inc.	\$ 2,990.00	Biosolids Hauling Maumelle to Two Pines - 13 Loads 11/29 - 12/4
42942	Joe's Garage & Wrecker Service	\$ 137.58	Drain & Flush Cooling System; Antifreeze & Shop Supplies Unit 118
42943	L&L Municipal Supplies & Tools	\$ 158.41	Orange Cones, Pry Bar, Duct Tape - Engineering
42944	Lowe's	\$ 509.45	Hot Water Heater/Admin; Power Strip, Skimmer, Pro Lok/Pump Maintenance
42945	Navigation Electronics, Inc.	\$ 15.48	Shipping Charges on Hard Case
42946	North Little Rock Electric	\$ 20,293.12	Electric Bills: Shorter College, Faulkner Xing, Delta Lawn, Dixie, Baucum Ind Park, Cypress Xing, FL Plant Maint, FL Admin, 3804B Nona, 3924B Nona, 3812 B Nona, Maryland E, Hwy 107, Maryland Place, Oakbrook, White Oak Gate, Pine Tree Pt, Lansbrook, Harris Industrial, Lakewood PS, Shillicutt, FLTP, FL Lab, FL Blower, Galloway Maybelline, FL Sludge Lagoon
42947	O'Reilly Automotive Stores	\$ 95.57	Fuses for Generators, Hoses, Clamps/Faulkner Xing, Mini Lamp/Unit 19
42948	Panera, LLC	\$ 79.27	Committee Meeting 11/14/17, Lunches, Drinks, Dessert
42949	Pettus Office Products	\$ 691.76	Office Supplies: Engineering-Keyboard Tray, Card Stock, 2018 Planners, Scientific Calculator, Address Labels, Correction Tape, Gray Toner,
42950	Post Oak Acres, Inc.	\$ 135.65	Dirt - Repairs Wards 3 & 4
42951	Quality Petroleum	\$ 149.73	Diesel Exhaust Fluid
42952	Regions Corporate Trust	\$ 2,342.50	Rixie Bond Repayment November 2017
42953	S&W Chemical Sales	\$ 832.67	5 Cases Nitrile Onyx Gloves - Operations
42954	SHI International	\$ 1,516.40	Online Exchange Server - 40 Users - 1-Year
42955	Sonny Fulmer Trucking	\$ 2,745.71	Hauling Gravel 11/21 - 11/30 and Sidewalk Repair Ward 3
42956	Stanley Hardware	\$ 205.58	Belt for CutOff Saw, Repair Tap Machine, Rye Grass Seed, Kyzer Blade for Surveying, Water Hose, Lumber (Forms for Sidewalk Repair Ward 2)
42957	Star Bolt & Screw Co.	\$ 134.18	Bonded Sealer Washers, Fender Washers Stainless, Hex Cap Screws Stainless
42958	Teamviewer GmbH	\$ 999.35	1-Year Subscription Installed on Computers to Allow Remote Access
42959	Teledyne Instruments, Inc.	\$ 1,009.79	Motor & Gear Assembly - Sampler Repair at all 4 Plants
42960	Tischler/Kocurek	\$ 800.00	Professional Services 9/6 - 10/26 - Chlorine Study 5-Mile
42961	Tractor Supply Credit Plan	\$ 271.24	Replacement Motor for Tap Machine
42962	USA Bluebook	\$ 863.04	Parts for Chemical Feed Pump & pH Controller
42963	UBS	\$ 164.45	Water Bills: Shillicutt, White Oak, Heilman Dr/White Oak, Dixie, 5-Mi Plant, Oakbrook, Shorter College, Delta Lawn
42964	Waste Management	\$ 26,685.19	Biosolids Disposal Faulkner Lake and Maumelle
42965	WEB Lubrications (Jiffy Lube)	\$ 71.93	Oil Change Unit #119
42966	Welsco	\$ 19.75	Cylinder Rental Collections Systems
42967	Wholesale Electric Supply	\$ 1,350.23	Repair Parts Faulkner Lake Filter Press, Crimp Kit/SCADA Wiring, 8-Port Switch
42968	William Dunbar	\$ 367.95	Reimburse for Plumbing Bill (Work E. Maryland caused Mud & Gravel to Enter)
42969	Work Wear	\$ 153.80	Safety Shoes - New Employee
42970	AFLAC	\$ 2,146.58	Employee Deductions - Supplemental Insurance

**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
42971	American Composting, Inc.	\$ 1,225.80	Grease Hauling - 5-Mi, Faulkner Xing
42972	Arkansas Aggregates	\$ 1,708.55	Stone & Gravel Delivered to FLTP
42973	Arkansas Democrat Gazette	\$ 240.00	1-Year Subscription - Collections Systems
42974	Arkansas Power Steering	\$ 1,746.90	Repairs to Unit 112 - Engine Harness, O-Rings, Gaskets, Sleeves, Labor
42975	Arkansas Sod & Turf Farm, Inc.	\$ 160.07	Grass Repairs Wards 1, 2, 4
42976	AT&T	\$ 334.50	Monthly Land Line Charges - White Oak, 5-Mile and Faulkner Lake Gate
42977	AT&T	\$ 698.70	Communication between Faulkner Lake, City Services & Central AR Water
42978	Battery Outfitters	\$ 22.60	6-Volt Batteries for Engineering
42979	Boston Mutual Life Insurance Co.	\$ 559.37	Supplemental Insurance - Employee Deductions
42980	Capitol Equipment	\$ 215.21	Repair Backhoe at Maumelle
42981	Cintas Corp. #650	\$ 2,635.12	Weekly Uniform Service, Monthly Cleaning Service Men's Room C&E Bldg; Biweekly Mat Service & Towel Refill Pump Maint
42982	Core & Main LP	\$ 247.44	Fast Plug - Ward 3 Repair
42983	Cranford Construction Co.	\$ 180.70	Asphalt Surface Ward 2
42984	Crow Burlingame Co.	\$ 106.47	Antifreeze Tester, Various Hydraulics Unit 122, Oil Filters Unit 133
42985	Cummins Mid-South	\$ 477.40	Full Service Wilcox Generator
42986	Dept. of Finance & Admin.	\$ 13,980.96	2017 Arkansas State Withholding November
42987	Digital Print & Imaging	\$ 341.87	Printing - 1000 Leave Request Forms
42988	Elliott Electric Supply	\$ 1,957.45	400' Cord, Aerator #124 5-Mi; Black Ty-Rap, LED Wall Light FL Filter Press
42989	Entergy	\$ 19,079.88	Electric Bills: Naylor, Murphy Dr., MWWT#4, #2&#3, Main, High School, Eq/Storm Aerator, Maint/Training, Diamond Pt, Ridgeland, Ridgeland/Odom, Durango, Town Center, Lawrence, Masters Place,
42990	Express Oil Change Central	\$ 40.56	Oil Change Unit #96
42991	EZAutomation	\$ 294.43	Modules, Programming Software - Omnisites
42992	Henard Utility Products	\$ 249.13	Cable Tow, Cable Tow PR, Freight - TV#1 & TV#2
42993	Hum's Hardware	\$ 919.80	Gauge, Regulator, Mouse Traps, Combo Lock, Brass Nipple (FL Belt Press); Stg. Hangers, Paint Tray, Roller, Refills, Caulk, Safety Yellow Paint, Chain & Wire Lube, Pipe Elbows, Coupling, Bushings, All Purpose Cement, Sanitary T, PVC, Clamps, Ball Valves, Brass Nipple Reducers, Plastic Test Plug, Fiberglass Step, Vinyl Letter, Elbows, Trowel, 5-Gal Pail, Fan, Versabond, Bib Overalls, Teflon Tape, Screws, Oiler, Cable Ties, Duct Tape, Propane Refill
42994	Hum's Rental	\$ 13,194.76	2-Month Rental of Large Excavator used for 2 jobs, 1-Month Rental of Breaker Rammer and other small rentals
42995	ICM Technology	\$ 4,961.60	Epoxy Rehab - FL Influent Wetwell-Final Payment
42996	Jack Tyler Engineering	\$ 8,087.60	Replaced Controllers - Trammel Estates Emergency Repair
42997	Jackson Cleaning Service	\$ 1,204.36	Janitorial Month of November Engineering, Lab, Admin

**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
42998	Jeffrey Sand Co	\$ 161.88	Masonry Sand - Maumelle
42999	Ameriprise Financial Services	\$ 95.00	Employee Contributions - Pay Period Ending 12/10/17
43000	United Way	\$ 63.00	Charitable Giving Employee Contributions Pay Period Ending 12/10/17
43001	NLR Community Center	\$ 2.50	Employee Deduction Wellness Program Pay Period Ending 12/10/17
43002	OCSE Clearinghouse SDU	\$ 317.66	Employee Child Support Payments Pay Period Ending 12/10/17
AFC-25	Arkansas Federal Credit Union	\$ 4,955.31	Employee Deposits Pay Period Ending 12/10/2017
NAT-25	Nationwide Retirement Solutions	\$ 3,562.08	Retirement Contributions Pay Period Ending 12/10/2017
PR-25	Payroll Tax Deposit	\$ 40,965.30	Payroll Taxes Pay Period Ending 12/10/2017
43003	V O I D	\$ -	Check Printer Realignment
43004	A-1 Recovery	\$ 189.88	Tow - Unit # 112 Dump Truck
43005	ADEQ	\$ 37,790.00	Permit Fees: Faulkner Lake TP, White Oak, 5-Mile
43006	Arkansas Power Steering	\$ 1,593.64	Repair Unit #113; Clutch, Flywheel, Pilot Bearing
43007	AT&T	\$ 1,156.44	Phone: Monthly Service Faulkner Lake Plant
43008	Capitol Equipment	\$ 220.60	Tubes & Hoses - Maumelle Backhoe
43009	CCH Incorporated	\$ 534.00	Annual Subscription 'Payroll Managers Newsletter' through 10/31/18
43010	Centerpoint Energy	\$ 34.72	Gas: Maumelle Valley, 701 W. 29th
43011	Change Center for Health	\$ 3,251.50	Wellness Clinic Contract - January 2018
43012	Chris' Windshield Repair, Inc.	\$ 43.40	Unit #90 Star Break Repair
43013	City of Maumelle	\$ 10,856.69	Franchise Fees - November 2017
43014	City of North Little Rock	\$ 81,003.48	Franchise Fees - November 2017
43015	Core & Main LP	\$ 149.71	Materials to Repair Valve on Force Main - Ward 2 (Pipe, Couplings, Valves)
43016	Datamax	\$ 588.62	Copier Maintenance Admin; Printer Service Call; Repair Parts
43017	DiscountCell, Inc.	\$ 819.98	SCADA Routers White Oak TP and Shilcutt PS
43018	Entergy	\$ 1,708.46	Electric: Norfolk, River Run, Palisades, Maumelle#2, Counts Massie, Maranes, Collins Industrial, Counts Massie#2, Bouries, CC Ballfields, Maumelle Woods, Crystal Bay, Bridgeway#2, Hwy 365 PS
43019	Eureka Gardens Facilities Board	\$ 3,304.80	Debt Fee Collected: November Cycle 4
43020	First Electric Cooperative	\$ 127.91	Electric: Gap Creek
43021	Gravel Ridge Sewer District	\$ 17,817.80	Billed Gravel Ridge Accounts/November Cycles 4 & 5 Collections
43022	Harcros Chemicals	\$ 3,698.94	Chlorine & Sulphur Dioxide Cylinders
43023	Home Depot Credit Services	\$ 1,050.32	Quikrete/Inventory, Floor Repair Supplies/Admin, Drain Pipe, Garden Soil, Weedblock Fabric/Yard Repair Ward 2
43024	Hum's Hardware	\$ 12.69	Desk Light TV Truck
43025	ICM Technology	\$ 153.30	Norton Walk Behind Saw Repair
43026	Industrial Electronic Supply	\$ 406.88	3 Symcom 3-Phase Voltage Monitors; Seminole West and 2 for Stock
43027	Interstate Tire	\$ 139.50	New Trailer Tire Repair #1; Used Tire Unit# 117
43028	Jimmy Don Waddles Hauling, Inc.	\$ 3,220.00	Biosolids Hauling Maumelle to Two Pines - 13 Loads 12/05 - 12/11

**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43029	Mr. First Aid	\$ 611.05	First Aid Supplies/Pump Maint; Operations; Collections Systems
43030	NLR Welding Supply, Inc	\$ 140.11	Air, Oxygen, Acetylene, Argon, CO2 Cylinder Rental-All Plants
43031	Northside Sales, Co.	\$ 87.94	Utility Work Signs, Fiberglass Ribs - Ward 2
43032	Office Depot	\$ 108.37	Cork Boards, Desk Pads - Coll Sys & Eng
43033	Peterson Concrete Septic	\$ 2,727.28	2' Riser Doghouse/Ward 2; Manholes, Risers/Ward 2
43034	Pettus Office Products	\$ 761.28	Ink Cartridges, Breakroom Supplies/CS&E
43035	Professional Forms & Supplies	\$ 397.66	2017 W2, 1099 & 1095 Forms
43036	Saf-T-Glove	\$ 703.08	80 Boxes of Powder Free Gloves for Pump Maintenance
43037	Sewer District #211	\$ 245.50	Billed Ruryan Acres Accounts/November Cycle 4 Collections
43038	Sonny Fulmer Trucking	\$ 1,875.94	Concrete & Gravel Delivered to FLTP, W. 29th & Washington
43039	Spa Chemicals, Inc.	\$ 585.81	Pop Up Towels/Collections; Towels, Toilet Tissue/Ops
43040	Stanley Hardware	\$ 27.06	Ward 3 Repair - Wrench Tap T-Handles, Margin Trowel, Tap Plug
43041	Terminix Processing Center	\$ 113.93	Monthly Pest Service - 7400 Baucum Pike
43042	U.S. Landscape	\$ 4,280.80	Sidewalk Repair, Traffic Control Ward 0; Asphalt Repair Ward 2
43043	USA Bluebook	\$ 202.70	Operator Training Manuals
43044	UBS	\$ 1,571.93	Water Bills: FLTP Lab, FLTP, Maumelle TP, Murphy Drive
43045	VOID	\$ -	VOID Check - Duplicate
43046	Windstream	\$ 63.11	Billing Department Fax Line
43047	ADEQ	\$ 10,000.00	Permit Change Fees BOD to CBOD 5-Mile & White Oak
43048	Arkansas One Call System	\$ 411.65	November Call Fee; December Member Fee
43049	Centerpoint Energy	\$ 2,898.45	Gas: FL Lab, FLTP, Gap Creek Gen, Dixie Gen
43050	Centerpoint Energy	\$ 5,422.00	Gas Meter Station - Seminole East PS Generator
43051	City of Maumelle	\$ 24.86	Commercial Fire & Police Fee November 2017
43052	Colonial Life	\$ 432.83	Supplemental Insurance - Employee Deductions
43053	Core & Main LP	\$ 9,143.32	Items for Inventory-Pipe ( Various Types), Fernco (Various Sizes) and Wyes
43054	Darragh Co/Tool Central	\$ 345.17	18" Combo Blade for Walk Behind Saw
43055	Digi-Key	\$ 576.83	Scada System Components for Faulkner and Midstate P.S.
43056	Discount Auto Glass	\$ 217.00	Replace Back Window- Unit #88
43057	Dougan Asphalt Paving Co.	\$ 2,000.00	Asphalt Repair - Ward 1
43058	EMD Millipore Corp.	\$ 55.67	Airbath Latch - Lab
43059	Entergy	\$ 17,362.13	Electric: White Oak Bar Screen, WO Structure, WO Lagoons, WOTP,
43060	Environmental Express, Inc.	\$ 1,068.55	Lab Testing Supplies - TSS Filters, Aluminum Weigh Dishes
43061	FedEx	\$ 107.09	Shipping Charges: VFD Repair/Belt Press, Contracts, Loaner to Cues
43062	Fisher Scientific	\$ 459.81	Lab Testing Supplies - Fecal Coliform Membranes
43063	Hach Company	\$ 1,141.11	Lab Testing Supplies - pH Standards, BOD Standards, Low Range Cl2, BOD Nutrient
43064	Interstate Tire	\$ 45.00	1 Used Tire -Unit #110
43065	Jimmy Don Waddles Hauling, Inc.	\$ 4,140.00	Biosolids Hauling Maumelle to Two Pines Landfill - 18 loads 12/12 - 12/18



**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43066	Joe's Garage & Wrecker Service	\$ 59.13	Oil Change - Unit #121
43067	Keathley Patterson Electric	\$ 384.55	Communication Cable & 24V DC I/O - SCADA Parts FL Plant
43068	Kerr Paper & Supply co.	\$ 280.36	C Fold Towels & Toilet Paper - Treatment Dept. & Lab
43069	Ketcher & Co.	\$ 560.00	Roof Repair - Admin Lobby, Modified Membrane Patch over Existing Roof
43070	L&L Municipal Supplies & Tools	\$ 1,689.35	Tiger Tails, White & Green Marking Paint, A-Frame Barricades, Nitrile Black Gloves
43071	Morgan Mills	\$ 94.00	Reissue of 2013 Check for Safety Shoe Reimbursement-2013 Check was Still Outstanding
43072	Northside Sales, Co.	\$ 125.77	Safety Glasses - Clear & Mirrored - Collection Systems
43073	Omnisite	\$ 54.24	Wireless Service for 11/29/17-12/31/17 For Two Devices
43074	Pettus Office Products	\$ 367.52	Office & Breakroom Supplies: Admin & Pretreatment
43075	RJN Group, Inc.	\$ 51,510.26	Professional Services through 11/17/17 SSES Monitoring
43076	Robert Robins	\$ 97.00	Reissue of 2014 Check for Safety Shoe Reimbursement-2014 Check was Still Outstanding
43077	Sewer District #211	\$ 3,011.00	Reissuance of Five Checks From 2014, 2015 and 2016 which were still outstanding-All for Collections of Various Billings
43078	TC Print Solutions	\$ 1,594.63	Mailers - Grease with CAW bills - 61,500 copies
43079	U.S. Landscape	\$ 2,208.96	Asphalt Repair Ward 3
43080	USA Bluebook	\$ 1,113.59	Lab Testing Supplies - Electrode Storage Solution, DPD Dispensers, FC Broth
43081	White Pig Inn	\$ 724.75	Turkey, Ham, Dressing, Baked Beans - Christmas Luncheon
43082	Windstream Communications	\$ 887.93	Internet & Phone - Maumelle TP
<b>ELECPYMT-13</b>	Centennial Bank	\$ 353.23	Credit Card - Parts Belt Press Wash System, Committee Meeting Lunch, Online Ad Surveyor Position October
43083	Ameriprise Financial Services	\$ 95.00	Employee Contributions - Pay Period Ending 12/24/17
43084	United Way	\$ 63.00	Charitable Giving Employee Contributions Pay Period Ending 12/24/17
43085	NLR Community Center	\$ 2.50	Employee Deduction Wellness Program Pay Period Ending 12/24/17
43086	OCSE Clearinghouse SDU	\$ 317.66	Employee Child Support Payments Pay Period Ending 12/24/17
<b>AFC-26</b>	Arkanss Federal Credit Union	\$ 4,955.31	Employee Deposits Pay Period Ending 12/24/2017
<b>NAT-26</b>	Nationwide Retirement Solutions	\$ 3,562.00	Retirement Contributions Pay Period Ending 12/24/2017
<b>PR-26</b>	Payroll Tax Deposit	\$ 41,703.25	Payroll Taxes Pay Period Ending 12/124/2017
43087	A-1 Recovery	\$ 189.88	Tow - Unit # 113 Dump Truck
43088	ADEQ	\$ 80.00	Operator Test Fees - Class 1; 2 Employees
43089	Advantage Service Company	\$ 75.00	Service Charge Cleaned Shillcutt RPZ Valve
43090	Arkansas Aggregates	\$ 1,448.20	Gravel for Stock
43091	Arkansas Copier Center	\$ 53.53	Copier Maintenance Lab
43092	Arkansas Power Steering	\$ 1,324.87	Unit #104, 2 Batteries; Unit #113, Slave Valve, Cable Kit, Labor; Unit #114, Repair Wiring
43093	AT&T Mobility	\$ 136.23	Internet White Oak & 5-Mile; Data Service Survey Equipment

**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43094	Bill's Fence Co., Inc.	\$ 12,872.00	Budget Item: Replace Murphy Drive Pump Station Fence
43095	Capitol Equipment	\$ 161.01	Backhoe #5, Oil/Grease/Filters
43096	Centerpoint Energy	\$ 64.71	Gas - Clayton Chapel Generator
43097	Central Arkansas Water	\$ 40,086.90	Wastewater Billing Fees - October 2017
43098	Cinergi Contractors	\$ 17,323.00	VacCon Drying Bed at FLTP
43099	Cranford Construction Co.	\$ 362.16	Asphalt Surface Repairs Wards 1 & 2
43100	Darrell R. Sansom	\$ 3,000.00	Computer Network Consulting December 2017
43101	Datamax	\$ 55.39	Monthly Copier Maintenance - Collections Systems & Engineering
43102	Digi-Key Electronics	\$ 521.96	Cables & Connectors, FL Plant; Relays, Hook-Ups, Jumpers, Truck #127 Stock
43103	Digital Print & Imaging	\$ 82.44	Business Cards - HR Manager
43104	Duke's Root Control, Inc.	\$ 640.00	20 Gallons Jet Power II
43105	Eagle Fence Distributing	\$ 12.58	Fence Repaired - Ward 2
43106	EGP, PLLC	\$ 10,000.00	Progress Billing 2017 Financial Statement Audit
43107	Entergy	\$ 25,800.11	Electric: Clayton Chapel, Austin Lakes, Trammel Rd Estates, 5-Mi Gate, Influent, 5-Mi Ck#1, North, South, Frontier Dr, Rixie/Hwy 161, Chapel Ridge, McAlmont, MidState, Quapaw, Eureka Grdns Rd, Eureka Grdns 46th St, Eureka/Judy
43108	Environmental Services Co.	\$ 2,320.00	Grab Water Samples & Maumelle Biosolids Cleanout Testing
43109	Eureka Gardens Facilities Board	\$ 388.80	Debt Fee Collected: November Cycle 7
43110	Express Oil Change Central	\$ 601.25	4 Tires Mounted & Balanced Unit # 108
43111	Fisher Scientific	\$ 484.46	Phase Separation Paper /Lab
43112	Fleet Tire Service	\$ 999.99	2 New Trailer Tires - T#11; 2 New Tires Unit #111
43113	Fleetmatics USA, LLC	\$ 490.00	December 2017 - Vehicle Tracking Service 14 Vehicles
43114	Fuelman	\$ 10,745.12	Gasoline & Diesel Utility Vehicles Month of November 2017
43115	Gravel Ridge Sewer District	\$ 17,574.81	Billed Accounts, November Cycle 7 & 9 Collections
43116	H. W. Tucker Co., Inc.	\$ 850.00	Sidewalk Repair, Ward 2
43117	Henard Utility Products	\$ 2,856.86	Repair Cues Motor & Freight Charges
43118	Hilburn, Calhoun, Harper, Pruniski	\$ 3,260.00	Legal Services - Marlar Easement, Special Projects, Retainer
43119	Horn's Outdoor	\$ 36.91	Ignition Switches Dixie Chopper
43120	ICM Technology	\$ 457.95	Hoses - Units #122 & #104
43121	InterDyn BMI	\$ 645.00	Great Plains Update Year End 2017
43122	Interstate Tire	\$ 200.35	Flat Repair Unit #100; Tire, Balance w/Sensor Unit #110
43123	James Rhodes	\$ 85.00	Reimburse for Electricians License Renewal Study Course
43124	Jimmy Don Waddles Hauling, Inc.	\$ 3,450.00	Biosolids Hauling Maumelle to Two Pines Landfill - 15 loads 12/19 - 12/22
43125	L&L Municipal Supplies & Tools	\$ 246.85	Yellow Caution Tape, Ratchet Wrench
43126	Legal Shield	\$ 171.45	Prepaid Legal Services-Employee Deductions
43127	Magic Lube	\$ 106.30	Oil Change- Units 77 and 78
43128	Municipal Health Benefit Fund	\$ 73,534.50	Employee Health Insurance - January, 2018

**NORTH LITTLE ROCK WASTEWATER  
CASH DISBURSEMENTS  
DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43129	MunicipalH2O.com	\$ 550.00	Risk Management Program Compliance December 2017
43130	North Little Rock Electric	\$ 848.19	Electric: Wilcox PS, I-440 Ind Park, CS & Engineering Building
43131	Office Depot	\$ 158.99	Ink Cartridges, Sticky Notes, Planners, Calendars - Customer Service
43132	Pettus Office Products	\$ 1,036.87	Calendars, File Folders, Business Diaries, Filing Stool, Toner Cartridges - Admin, CS, Lab, Ops
43133	Pitney Bowes Global Financial	\$ 154.47	Quarterly Rental Postage Machine
43134	RP Power, LLC	\$ 385.68	Repair 5-Mile Generator
43135	Sewer District #211	\$ 50,552.46	Billed Accounts, November Cycle 7 & 9, December Cycle 1 Collections
43136	Sonny Fulmer Trucking	\$ 686.24	Gravel Hauling - 29th Street
43137	Spa Chemicals, Inc.	\$ 1,560.57	Towels, Trash Bags, Hand Sanitizer, Odor Digester
43138	Verizon Wireless	\$ 1,466.60	Monthly Cell Phone Use 1/1/18
43139	Waste Management	\$ 13,845.92	Bio-Solids Removal - Maumelle for 12/1-12/5 and Monthly Dumpster Service for Faulkner, Maumelle, White Oak, VacCons, Shillcutt, 5-Mi,
	Operating Payroll - Period Ending 12/10/17	\$ 111,347.02	
	Operating Payroll - Period Ending 12/24/17	\$ 110,979.27	
	Arkansas Federal Credit Union	\$ 25.00	Monthly Fee for Electronic Deposit of Credit Union Deductions
	ADFA-Loan Payments	\$ 308,463.72	Monthly Loan Payments Drafted from Account
	2016 Construction Fund	\$ 398,574.00	Total Disbursements From Account
	<b>TOTAL UTILITY CASH DISBURSEMENTS</b>	<b>\$ 1,783,404.16</b>	

**NORTH LITTLE ROCK WASTEWATER**  
**CASH DISBURSEMENTS**  
**2016 CONSTRUCTION FUND**  
**DECEMBER 31, 2017**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
1019	Horseshoe Construction	\$ 348,715.15	Estimate #7 for Barring Cross Pipe Bursting Project
1020	Insituform Technologies	\$ 49,858.85	Estimate #5 for Barring Cross CIPP Project
		<u>\$ 398,574.00</u>	

**NORTH LITTLE ROCK WASTEWATER  
FUND TRANSFERS  
DECEMBER 31, 2017**

<b>DATE</b>	<b>AMOUNT</b>	<b>TO</b>	<b>FROM</b>	<b>DESCRIPTION</b>
12/6/2017	\$ 142,400.00	Operating	Sewer	Transfer for Checks Paid 12/6
12/11/2017	\$ 111,300.00	Operating-Payroll	Sewer	Transfer for Pay Period Ending 12/10, Paid to Employees on 12/12
12/15/2017	\$ 234,300.00	Operating	Sewer	Transfer for Checks Paid 12/11-12/15
12/15/2017	\$ 41,666.63	Rehabilitation	Sewer	Monthly Required Transfer
12/20/2017	\$ 117,000.00	Operating	Sewer	Transfer for Checks Paid 12/20
12/22/2017	\$ 110,900.00	Operating-Payroll	Sewer	Transfer for Pay Period Ending 12/24, Paid to Employees on 12/26
12/29/2017	\$ 355,700.00	Operating	Sewer	Transfer for Checks Paid 12/25-12/29
12/29/2017	\$ 42,029.12	Sewer	Rehabilitation	Reimbursement of Previous Months Expenditures
				<b>\$ 1,155,295.75</b>

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**FINANCIAL STATEMENTS FOR DECEMBER 2017**

**ACTION REQUESTED:**

Approve the Financial Statements for December 2017.



North Little Rock Waste Water  
 Balance Sheet  
 Sunday, December 31, 2017

ASSETS	
CURRENT ASSETS	
PETTY CASH	\$700.00
CASH IN BANK	\$3,075,008.04
CERTIFICATES OF DEPOSIT	\$4,743,519.71
ADFA HOLDING ACCOUNTS	\$620,505.40
ACCOUNTS RECEIVABLE	\$2,408,783.62
ACCRUED INTEREST RECEIVABLE	\$14,933.87
ON-SITE INVENTORY	\$38,515.55
OTHER PREPAID EXPENSES	\$23,255.47
TOTAL CURRENT ASSETS	<u>\$10,925,221.66</u>
PROPERTY, PLANT & EQUIPMENT	
LAND	\$3,139,810.46
PUMPING STATION STRUCTURES	\$11,615,705.91
SEWER SYSTEM LINES	\$62,639,676.26
TREATMENT PLANT STRUCTURES	\$77,777,266.49
ADMINISTRATION & MAINT. & ENG. BUILDINGS	\$917,063.85
LABORATORY BUILDING	\$1,241,501.95
SEWER SYSTEM EQUIPMENT	\$11,287,763.93
EST. VALUE OF OLD SEWER LINES	\$5,081,361.47
CONSTRUCTION IN PROGRESS	\$10,785,875.50
ACCUMULATED DEPRECIATION	<u>(\$70,134,072.89)</u>
TOTAL PROPERTY, PLANT & EQUIPMENT	\$114,351,952.93
OTHER ASSETS	
RIXIE OM&R RECEIVABLE	\$176,055.20
DEFERRED OUTFLOWS RELATED TO PENSION	\$1,321,499.00
TOTAL OTHER ASSETS	<u>\$1,497,554.20</u>
TOTAL ASSETS	<u><u>\$126,774,728.79</u></u>

North Little Rock Waste Water  
Balance Sheet  
Sunday, December 31, 2017

LIABILITIES	
CURRENT LIABILITIES	
ACCOUNTS PAYABLE	\$203,070.66
OWED TO OTHER DISTRICTS	\$88,689.82
FRANCHISE FEE PAYABLE	\$148,554.65
PAYABLE TO RIXIE	\$1,078.00
PAYABLE TO EUREKA GARDENS	\$3,693.60
ACCRUED SICK LEAVE	\$407,947.22
ACCRUED VACATION LEAVE	\$237,888.78
ACCRUED PAYROLL	\$81,322.01
ACCRUED EMPLOYEE BENEFITS	(\$873.25)
ACCRUED INTEREST PAYABLE	\$238,258.86
TOTAL CURRENT LIABILITIES	<u>\$1,409,630.35</u>
OTHER LIABILITIES	
BONDS PAYABLE-SERIES "A"	\$240,573.98
BONDS PAYABLE-SERIES "B"	\$137,504.01
BONDS PAYABLE-SERIES 2001	\$3,978,220.61
BONDS PAYABLE-SERIES 2008	\$10,569,828.74
BONDS PAYABLE-SERIES 2012	\$19,337,755.00
BONDS PAYABLE-SERIES 2016	6,716,374.00
RESERVE FOR BIO-SOILD DISPOSAL	\$1,304,300.00
OPEB OBLIGATION-GASB 45	\$169,571.00
NET PENSION LIABILITY	\$2,387,875.00
DEFERRED INFLOWS RELATED TO PENSIONS	\$576,667.00
TOTAL OTHER LIABILITIES	<u>\$45,418,669.34</u>
EQUITY	
CONTRIBUTED CAPITAL	\$30,110,329.51
DONATED CAPITAL	\$17,727,878.80
RETAINED EARNINGS	\$27,683,654.10
CURRENT YEAR NET INCOME / (LOSS)	\$4,424,566.69
TOTAL EQUITY	<u>\$79,946,429.10</u>
TOTAL LIABILITIES & EQUITY	<u>\$126,774,728.79</u>



North Little Rock Waste Water  
Income Statement

For the Twelve Months Ending Sunday, December 31, 2017

	YEAR TO DATE BUDGET	YEAR TO DATE 2017	YEAR TO DATE 2016
REVENUE			
OPERATING REVENUE			
INSIDE NLR SERVICE CHARGES	\$12,679,000.00	\$12,134,057.73	\$11,376,061.19
OUTSIDE NLR SERVICE CHARGES	\$2,712,000.00	\$2,690,716.45	\$2,440,702.08
MAUMELLE SERVICE CHARGES	\$2,481,000.00	\$2,811,466.49	\$2,065,533.65
SHERWOOD TREATMENT CHARGES	\$353,300.00	\$338,923.00	\$491,923.00
CUSTOMER SERVICE CHARGES	\$50,400.00	\$50,331.92	\$50,081.16
SERVICE CHARGE REFUND	\$0.00	\$0.00	(\$14,954.04)
INDUSTRY REGULAR CHARGES	\$1,537,100.00	\$1,505,564.03	\$1,307,241.43
INDUSTRY SURCHARGE/PENALTY CHARGES	\$82,800.00	\$335,045.01	\$128,360.06
INDUSTRY LATE FEE CHARGES	\$11,700.00	\$8,690.66	\$7,899.07
LATE FEE CHARGES-RES. & COM.	\$310,200.00	\$331,297.46	\$301,156.19
TIE-ON FEE CHARGES	\$0.00	\$1,558.10	\$107,939.22
CONNECTION INSPECTION PERMITS	\$31,700.00	\$35,000.00	\$32,215.00
PARTIAL INSPECTION PERMITS	\$0.00	\$135.00	\$540.00
TAP & STREET CUTTING PERMITS	\$7,500.00	\$9,800.00	\$7,700.00
REVIEW PLANS & SPECIFICATIONS	\$5,000.00	\$3,619.09	\$8,181.95
TOTAL OPERATING REVENUE	\$20,261,700.00	\$20,256,204.94	\$18,310,579.96
NON OPERATING REVENUE			
INTEREST EARNED INCOME-SECURITIES	\$5,600.00	\$24,765.42	\$6,930.01
INTEREST EARNED INCOME-CHECKING	\$3,200.00	\$7,467.43	\$4,241.20
INTEREST EARNED INCOME-NOTES	\$5,300.00	\$5,281.67	\$5,320.88
DISCOUNTS EARNED	\$0.00	\$1,362.85	\$463.76
MISCELLANEOUS INCOME	\$0.00	\$14,729.80	\$12,260.31
TOTAL NON-OPERATING REVENUE	\$14,100.00	\$53,607.17	\$29,216.16
TOTAL REVENUE	\$20,275,800.00	\$20,309,812.11	\$18,339,796.12

North Little Rock Waste Water  
Income Statement

For the Twelve Months Ending Sunday, December 31, 2017

	YEAR TO DATE BUDGET	YEAR TO DATE 2017	YEAR TO DATE 2016
OPERATING EXPENSES			
WALKING CREW	\$60,900.00	\$29,665.40	\$38,906.70
TROUBLE CREW	\$124,000.00	\$114,695.69	\$126,787.61
MANHOLE CREW	\$119,800.00	\$79,060.60	\$102,932.95
POWER DRIVE CREW	\$88,300.00	\$69,000.77	\$66,357.99
TELEVISION CREW #1	\$115,200.00	\$126,182.04	\$119,697.37
TELEVISION CREW #2	\$113,700.00	\$108,879.37	\$109,639.17
COLLECTION SYSTEMS-GENERAL	\$1,248,500.00	\$1,170,247.80	\$1,134,499.33
REPAIR CREW #1	\$185,100.00	\$170,327.39	\$178,769.31
REPAIR CREW #2	\$202,500.00	\$166,144.73	\$176,415.18
REPAIR CREW #3	\$194,300.00	\$231,660.47	\$209,250.89
REPAIR CREW #4	\$164,600.00	\$130,268.67	\$104,541.50
POWER RODDING CREW #1	\$65,700.00	\$31,092.31	\$38,165.71
VAC-CON CREW #1	\$167,500.00	\$172,092.30	\$154,310.99
VAC-CON CREW #2	\$101,800.00	\$91,385.64	\$163,327.33
VAC-CON CREW #3	\$140,800.00	\$137,046.71	\$144,105.00
VAC-CON CREW #4	\$0.00	\$8,965.80	\$16,047.68
VAC-CON CREW #5	\$112,300.00	\$94,268.67	\$110,348.52
SURVEY CREW	\$70,100.00	\$43,003.46	\$67,002.58
LOCATION WORK	\$50,600.00	\$40,795.01	\$50,211.35
ENGINEERING OFFICE	\$359,300.00	\$246,942.74	\$234,855.18
ENGINEERING-SSES	\$16,400.00	\$1,127.16	\$9,810.94
GENERAL ENGINEERING DEPT.	\$263,200.00	\$218,026.08	\$217,343.44
PRETREATMENT DEPARTMENT	\$245,100.00	\$227,130.18	\$226,339.21
TREATMENT DEPARTMENT	\$4,673,700.00	\$4,722,491.80	\$4,385,137.75
PUMP STATION DEPARTMENT	\$560,000.00	\$525,714.70	\$524,374.11
BILLING DEPARTMENT	\$771,900.00	\$769,019.24	\$724,737.47
ADMINISTRATIVE	\$1,140,700.00	\$884,920.46	\$1,011,496.50
LOSS (GAIN) ON PROPERTY DISPOSALS	\$0.00	\$42,301.22	\$160,127.80
DEPRECIATION EXPENSE-NON VEHICLE	\$3,094,700.00	\$3,697,455.15	\$3,786,886.57
PENSION EXPENSE	\$716,300.00	\$713,655.00	\$634,562.50
GASB 45-OPEB OBLIGATION	\$20,800.00	\$20,800.00	\$19,447.00
TOTAL OPERATING EXPENSES	\$15,187,800.00	\$15,084,366.56	\$15,046,435.63
NON-OPERATING EXPENSES			
INTEREST ON DEBT-ALL BONDS	\$929,900.00	\$908,700.74	\$866,363.35
TOTAL NON-OPERATING EXPENSES	\$929,900.00	\$908,700.74	\$866,363.35
TOTAL EXPENSES	\$16,117,700.00	\$15,993,067.30	\$15,912,798.98

North Little Rock Waste Water  
Income Statement  
For the Twelve Months Ending Sunday, December 31, 2017

	YEAR TO DATE BUDGET	YEAR TO DATE 2017	YEAR TO DATE 2016
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	\$4,158,100.00	\$4,316,744.81	\$2,426,997.14
EMERGENCY REPAIRS	(\$1,000,000.00)	(\$46,192.09)	(\$277,894.90)
DONATED PROPERTY VALUE	\$0.00	\$154,013.97	\$512,991.18
NET INCOME (LOSS)	3,158,100.00	4,424,566.69	2,662,093.42

North Little Rock Waste Water  
Income Statement

For the Twelve Months Ending Sunday, December 31, 2017

	DECEMBER 2017	YEAR TO DATE 2017	DECEMBER 2016	YEAR TO DATE 2016
REVENUE				
OPERATING REVENUE				
INSIDE NLR SERVICE CHARGES	\$997,494.91	\$12,134,057.73	\$932,042.38	\$11,376,061.19
OUTSIDE NLR SERVICE CHARGES	\$227,157.97	\$2,690,716.45	\$205,869.93	\$2,440,702.08
MAUMELLE SERVICE CHARGES	\$236,926.47	\$2,811,466.49	\$205,466.90	\$2,065,533.65
SHERWOOD TREATMENT CHARGES	\$28,239.00	\$338,923.00	\$40,989.00	\$491,923.00
CUSTOMER SERVICE CHARGES	\$4,205.44	\$50,331.92	\$4,165.27	\$50,081.16
SERVICE CHARGE REFUND	\$0.00	\$0.00	\$0.00	(\$14,954.04)
INDUSTRY REGULAR CHARGES	\$126,742.48	\$1,505,564.03	\$105,682.07	\$1,307,241.43
INDUSTRY SURCHARGE/PENALTY CHARGES	\$20,471.90	\$335,045.01	\$25,909.29	\$128,360.06
INDUSTRY LATE FEE CHARGES	\$402.34	\$8,690.66	\$1,834.16	\$7,899.07
LATE FEE CHARGES-RES. & COM.	\$26,636.03	\$331,297.46	\$25,551.11	\$301,156.19
TIE-ON FEE CHARGES	(\$11,408.61)	\$1,558.10	\$1,055.45	\$107,939.22
CONNECTION INSPECTION PERMITS	\$2,480.00	\$35,000.00	\$3,205.00	\$32,215.00
PARTIAL INSPECTION PERMITS	\$0.00	\$135.00	\$0.00	\$540.00
TAP & STREET CUTTING PERMITS	\$350.00	\$9,800.00	\$1,400.00	\$7,700.00
REVIEW PLANS & SPECIFICATIONS	\$0.00	\$3,619.09	\$0.00	\$8,181.95
TOTAL OPERATING REVENUE	<u>\$1,659,697.93</u>	<u>\$20,256,204.94</u>	<u>\$1,553,170.56</u>	<u>\$18,310,579.96</u>
NON OPERATING REVENUE				
INTEREST EARNED INCOME-SECURITIES	\$3,508.46	\$24,765.42	\$452.70	\$6,930.01
INTEREST EARNED INCOME-CHECKING	\$713.85	\$7,467.43	\$407.31	\$4,241.20
INTEREST EARNED INCOME-NOTES	\$448.58	\$5,281.67	\$448.58	\$5,320.88
DISCOUNTS EARNED	\$29.30	\$1,362.85	\$51.36	\$463.76
MISCELLANEOUS INCOME	\$0.00	\$14,729.80	\$0.00	\$12,260.31
TOTAL NON-OPERATING REVENUE	<u>\$4,700.19</u>	<u>\$53,607.17</u>	<u>\$1,359.95</u>	<u>\$29,216.16</u>
TOTAL REVENUE	<u>\$1,664,398.12</u>	<u>\$20,309,812.11</u>	<u>\$1,554,530.51</u>	<u>\$18,339,796.12</u>

North Little Rock Waste Water  
Income Statement

For the Twelve Months Ending Sunday, December 31, 2017

	DECEMBER 2017	YEAR TO DATE 2017	DECEMBER 2016	YEAR TO DATE 2016
OPERATING EXPENSES				
WALKING CREW	\$3,095.96	\$29,665.40	\$2,224.43	\$38,906.70
TROUBLE CREW	\$11,623.37	\$114,695.69	\$8,969.57	\$126,787.61
MANHOLE CREW	\$8,219.77	\$79,060.60	\$4,586.57	\$102,932.95
POWER DRIVE CREW	\$6,527.74	\$69,000.77	\$7,935.20	\$66,357.99
TELEVISION CREW #1	\$13,248.40	\$126,182.04	\$10,798.94	\$119,697.37
TELEVISION CREW #2	\$8,928.16	\$108,879.37	\$11,136.95	\$109,639.17
COLLECTION SYSTEMS-GENERAL	\$129,926.55	\$1,170,247.80	\$140,738.76	\$1,134,499.33
REPAIR CREW #1	\$16,997.22	\$170,327.39	\$17,097.01	\$178,769.31
REPAIR CREW #2	\$14,634.28	\$166,144.73	\$13,084.21	\$176,415.18
REPAIR CREW #3	\$16,169.71	\$231,660.47	\$9,809.73	\$209,250.89
REPAIR CREW #4	\$11,057.35	\$130,268.67	\$8,802.20	\$104,541.50
POWER RODDING CREW #1	\$2,595.19	\$31,092.31	\$3,127.49	\$38,165.71
VAC-CON CREW #1	\$14,334.51	\$172,092.30	\$15,705.39	\$154,310.99
VAC-CON CREW #2	\$6,798.59	\$91,385.64	\$15,059.89	\$163,327.33
VAC-CON CREW #3	\$6,442.68	\$137,046.71	\$15,082.56	\$144,105.00
VAC-CON CREW #4	\$757.09	\$8,965.80	\$2,147.80	\$16,047.68
VAC-CON CREW #5	\$13,674.85	\$94,268.67	\$8,749.08	\$110,348.52
SURVEY CREW	\$0.00	\$43,003.46	\$2,523.12	\$67,002.58
LOCATION WORK	\$3,327.50	\$40,795.01	\$4,510.90	\$50,211.35
ENGINEERING OFFICE	\$21,454.29	\$246,942.74	\$24,800.22	\$234,855.18
ENGINEERING-SSES	\$0.00	\$1,127.16	\$575.22	\$9,810.94
GENERAL ENGINEERING DEPT.	\$20,265.98	\$218,026.08	\$36,273.78	\$217,343.44
PRETREATMENT DEPARTMENT	\$19,881.17	\$227,130.18	\$16,384.86	\$226,339.21
TREATMENT DEPARTMENT	\$503,499.34	\$4,722,491.80	\$688,553.43	\$4,385,137.75
PUMP STATION DEPARTMENT	\$39,705.70	\$525,714.70	\$38,960.03	\$524,374.11
BILLING DEPARTMENT	\$96,238.48	\$769,019.24	\$91,289.47	\$724,737.47
ADMINISTRATIVE	\$78,708.84	\$884,920.46	\$89,003.12	\$1,011,496.50
LOSS (GAIN) ON PROPERTY DISPOSALS	\$0.00	\$42,301.22	\$95,962.34	\$160,127.80
DEPRECIATION EXPENSE-NON VEHICLE	\$313,657.17	\$3,697,455.15	\$1,114,374.48	\$3,786,886.57
PENSION EXPENSE	\$57,998.34	\$713,655.00	\$41,666.65	\$634,562.50
GASB 45-OPEB OBLIGATION	\$20,800.00	\$20,800.00	\$19,447.00	\$19,447.00
TOTAL OPERATING EXPENSES	<u>\$1,460,568.23</u>	<u>\$15,084,366.56</u>	<u>\$2,559,380.40</u>	<u>\$15,046,435.63</u>
NON-OPERATING EXPENSES				
INTEREST ON DEBT-ALL BONDS	\$81,120.90	\$908,700.74	\$75,495.98	\$866,363.35
TOTAL NON-OPERATING EXPENSES	<u>\$81,120.90</u>	<u>\$908,700.74</u>	<u>\$75,495.98</u>	<u>\$866,363.35</u>
TOTAL EXPENSES	<u>\$1,541,689.13</u>	<u>\$15,993,067.30</u>	<u>\$2,634,876.38</u>	<u>\$15,912,798.98</u>

North Little Rock Waste Water  
Income Statement  
For the Twelve Months Ending Sunday, December 31, 2017

	DECEMBER 2017	YEAR TO DATE 2017	DECEMBER 2016	YEAR TO DATE 2016
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	\$122,708.99	\$4,316,744.81	(\$1,080,345.87)	\$2,426,997.14
EMERGENCY REPAIRS	\$0.00	(\$46,192.09)	\$2,726,589.77	(\$277,894.90)
DONATED PROPERTY VALUE	\$0.00	\$154,013.97	\$512,991.18	\$512,991.18
NET INCOME (LOSS)	122,708.99	4,424,566.69	2,159,235.08	2,662,093.42

North Little Rock Waste Water  
Income Statement  
For the Twelve Months Ending

	DECEMBER 2017	DECEMBER 2016	DECEMBER 2015	DECEMBER 2014	DECEMBER 2013	DECEMBER 2012
REVENUE						
OPERATING REVENUE						
INSIDE NLR SERVICE CHARGES	\$12,134,057.73	\$11,376,061.19	\$10,654,988.70	\$10,474,278.25	\$9,533,187.50	\$8,411,669.62
OUTSIDE NLR SERVICE CHARGES	\$2,690,716.45	\$2,440,702.08	\$2,303,502.25	\$2,239,287.99	\$2,024,272.30	\$1,756,437.58
MAUMELLE SERVICE CHARGES	\$2,811,466.49	\$2,065,533.65	\$0.00	\$0.00	\$0.00	\$0.00
SHERWOOD TREATMENT CHARGES	\$338,923.00	\$491,923.00	\$398,801.00	\$337,330.00	\$330,990.00	\$333,464.00
CUSTOMER SERVICE CHARGES	\$50,331.92	\$50,081.16	\$50,043.86	\$48,667.27	\$47,974.60	\$47,248.42
SERVICE CHARGE REFUND	\$0.00	(\$14,954.04)	(\$5,466.90)	\$0.00	\$0.00	\$0.00
INDUSTRY REGULAR CHARGES	\$1,505,564.03	\$1,307,241.43	\$960,475.88	\$979,938.80	\$909,017.93	\$835,883.24
INDUSTRY SURCHARGE/PENALTY CHARGES	\$335,045.01	\$128,360.06	\$69,434.00	\$116,155.85	\$90,409.97	\$142,210.52
INDUSTRY LATE FEE CHARGES	\$8,690.66	\$7,899.07	\$16,876.16	\$7,235.87	\$15,402.13	\$8,818.08
LATE FEE CHARGES-RES. & COM.	\$331,297.46	\$301,156.19	\$279,645.31	\$289,786.56	\$263,553.19	\$239,240.47
TIE-ON FEE CHARGES	\$1,558.10	\$107,939.22	\$6,965.71	\$44,196.47	\$8,482.73	\$15,651.43
CONNECTION INSPECTION PERMITS	\$35,000.00	\$32,215.00	\$28,440.00	\$28,370.00	\$28,845.00	\$31,260.00
PARTIAL INSPECTION PERMITS	\$135.00	\$540.00	\$1,350.00	\$180.00	\$180.00	\$180.00
TAP & STREET CUTTING PERMITS	\$9,800.00	\$7,700.00	\$7,000.00	\$7,000.00	\$9,100.00	\$9,450.00
REVIEW PLANS & SPECIFICATIONS	\$3,619.09	\$8,181.95	\$3,799.64	\$2,987.65	\$2,847.01	\$444.00
TOTAL OPERATING REVENUE	\$20,256,204.94	\$18,310,579.96	\$14,775,855.61	\$14,575,414.71	\$13,264,262.36	\$11,831,957.36
NON OPERATING REVENUE						
INTEREST EARNED INCOME-SECURITIES	\$24,765.42	\$6,930.01	\$14,515.53	\$12,378.61	\$11,575.96	\$17,354.92
INTEREST EARNED INCOME-CHECKING	\$7,467.43	\$4,241.20	\$4,236.02	\$3,309.94	\$3,145.15	\$3,392.55
INTEREST EARNED INCOME-NOTES	\$5,281.67	\$5,320.88	\$5,634.26	\$6,137.82	\$7,219.27	\$8,849.61
DISCOUNTS EARNED	\$1,362.85	\$463.76	\$193.73	\$248.67	\$586.10	\$205.82
MISCELLANEOUS INCOME	\$14,729.80	\$12,260.31	\$12,219.47	\$17,302.09	\$8,630.20	\$5,700.00
PUMP STATION MAINTENANCE FEE	\$0.00	\$0.00	\$0.00	\$0.00	\$69,700.00	\$55,000.00
FEMA REIMBURSEMENTS	\$0.00	\$0.00	\$0.00	\$0.00	\$6,491.51	(\$9,209.39)
TOTAL NON-OPERATING REVENUE	\$53,607.17	\$29,216.16	\$36,799.01	\$39,377.13	\$107,348.19	\$81,293.51
TOTAL REVENUE	\$20,309,812.11	\$18,339,796.12	\$14,812,654.62	\$14,614,791.84	\$13,371,610.55	\$11,913,250.87

North Little Rock Waste Water  
Income Statement  
For the Twelve Months Ending

	DECEMBER 2017	DECEMBER 2016	DECEMBER 2015	DECEMBER 2014	DECEMBER 2013	DECEMBER 2012
OPERATING EXPENSES						
WALKING CREW	\$29,665.40	\$38,906.70	\$16,479.23	\$482.79	\$2,481.46	\$0.00
TROUBLE CREW	\$114,695.69	\$126,787.61	\$129,479.81	\$130,576.70	\$140,713.07	\$138,281.48
MANHOLE CREW	\$79,060.60	\$102,932.95	\$93,336.65	\$106,597.15	\$51,900.06	\$3,619.85
POWER DRIVE CREW	\$69,000.77	\$66,357.99	\$67,450.04	\$86,263.19	\$120,190.03	\$95,578.60
TELEVISION CREW #1	\$126,182.04	\$119,697.37	\$108,681.39	\$105,941.25	\$71,045.30	\$78,314.52
TELEVISION CREW #2	\$108,879.37	\$109,639.17	\$108,659.23	\$108,923.85	\$101,697.86	\$83,429.22
COLLECTION SYSTEMS-GENERAL	\$1,170,247.80	\$1,134,499.33	\$1,089,108.15	\$1,124,896.60	\$858,557.59	\$868,228.24
REPAIR CREW #1	\$170,327.39	\$178,769.31	\$188,104.17	\$226,573.69	\$201,034.78	\$183,994.65
REPAIR CREW #2	\$166,144.73	\$176,415.18	\$166,038.76	\$177,549.43	\$143,472.81	\$153,894.04
REPAIR CREW #3	\$231,660.47	\$209,250.89	\$214,248.24	\$245,132.73	\$937,879.81	\$379,066.44
REPAIR CREW #4	\$130,268.67	\$104,541.50	\$0.00	\$0.00	\$0.00	\$0.00
POWER RODDING CREW #1	\$31,092.31	\$38,165.71	\$49,989.46	\$63,753.73	\$32,139.04	\$37,754.25
POWER RODDING CREW #2	\$0.00	\$0.00	\$12,818.48	\$30,562.65	\$26,899.99	\$36,783.07
VAC-CON CREW #1	\$172,092.30	\$154,310.99	\$169,357.90	\$166,839.35	\$164,883.65	\$161,890.99
VAC-CON CREW #2	\$91,385.64	\$163,327.33	\$152,447.18	\$148,055.43	\$143,247.38	\$144,068.49
VAC-CON CREW #3	\$137,046.71	\$144,105.00	\$139,829.41	\$144,946.34	\$137,417.80	\$62,822.44
VAC-CON CREW #4	\$8,965.80	\$16,047.68	\$18,868.55	\$5,266.66	\$0.00	\$0.00
VAC-CON CREW #5	\$94,268.67	\$110,348.52	\$91,016.85	\$0.00	\$0.00	\$0.00
SURVEY CREW	\$43,003.46	\$67,002.58	\$61,627.81	\$71,865.34	\$73,663.60	\$73,205.28
LOCATION WORK	\$40,795.01	\$50,211.35	\$40,526.13	\$45,126.20	\$55,513.05	\$48,574.69
ENGINEERING OFFICE	\$246,942.74	\$234,855.18	\$202,765.64	\$202,837.67	\$186,340.39	\$193,613.46
ENGINEERING-SSES	\$1,127.16	\$9,810.94	\$15,112.67	\$12,455.01	\$22,910.75	\$20,493.31
GENERAL ENGINEERING DEPT.	\$218,026.08	\$217,343.44	\$203,400.77	\$227,220.50	\$282,619.96	\$299,952.49
PRETREATMENT DEPARTMENT	\$227,130.18	\$226,339.21	\$232,490.38	\$227,010.04	\$236,779.90	\$236,800.68
TREATMENT DEPARTMENT	\$4,722,491.80	\$4,385,137.75	\$3,300,537.41	\$3,376,169.22	\$3,322,898.45	\$3,216,212.79
PUMP STATION DEPARTMENT	\$25,714.70	\$524,374.11	\$378,460.25	\$403,194.54	\$286,962.53	\$286,268.98
BILLING DEPARTMENT	\$769,019.24	\$724,737.47	\$648,624.45	\$669,358.28	\$614,019.24	\$567,563.42
ADMINISTRATIVE	\$894,920.46	\$1,011,496.50	\$940,918.00	\$861,828.44	\$829,327.17	\$805,018.96
LOSS (GAIN) ON PROPERTY DISPOSALS	\$42,301.22	\$160,127.80	\$0.00	(\$11,320.51)	(\$29,038.49)	\$4,773.58
DEPRECIATION EXPENSE-NON VEHICLE	\$3,697,455.15	\$3,786,886.57	\$2,726,737.46	\$2,328,074.08	\$2,257,994.70	\$2,227,944.10
PENSION EXPENSE	\$713,655.00	\$634,562.50	\$610,680.00	\$452,282.00	\$503,850.00	\$484,340.96
GASB 45-OPEB OBLIGATION	\$20,800.00	\$19,447.00	\$21,710.00	\$21,466.00	\$28,562.00	\$21,537.00
TOTAL OPERATING EXPENSES	\$15,084,366.56	\$15,046,435.63	\$12,199,504.47	\$11,759,928.35	\$11,805,963.88	\$10,914,025.98
NON-OPERATING EXPENSES						
INTEREST ON DEBT-ALL BONDS	\$908,700.74	\$866,363.35	\$825,144.23	\$596,704.64	\$601,368.54	\$619,528.68
BOND ISSUANCE COSTS-ALL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19,407.85
TOTAL NON-OPERATING EXPENSES	\$908,700.74	\$866,363.35	\$825,144.23	\$596,704.64	\$601,368.54	\$638,936.53
TOTAL EXPENSES	\$15,993,067.30	\$15,912,798.98	\$13,024,648.70	\$12,356,632.99	\$12,407,332.42	\$11,552,962.51



North Little Rock Waste Water  
Income Statement  
For the Twelve Months Ending

	DECEMBER 2017	DECEMBER 2016	DECEMBER 2015	DECEMBER 2014	DECEMBER 2013	DECEMBER 2012
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	\$4,316,744.81	\$2,426,997.14	\$1,788,005.92	\$2,258,158.85	\$964,278.13	\$360,288.36
EMERGENCY REPAIRS	(\$46,192.09)	(\$277,894.90)	(\$415,905.50)	\$0.00	\$0.00	\$0.00
DONATED PROPERTY VALUE	\$154,013.97	\$512,991.18	\$61,756.55	\$201,092.50	\$549,307.50	\$1,360,000.00
ANNUAL PENSION LIAB. CHANGE	\$0.00	\$0.00	\$367,139.00	\$0.00	\$0.00	\$0.00
NET INCOME (LOSS)	<u>4,424,566.69</u>	<u>2,662,093.42</u>	<u>1,800,995.97</u>	<u>2,459,251.35</u>	<u>1,513,585.63</u>	<u>1,720,288.36</u>

NORTH LITTLE ROCK WASTE WATER UTILITY  
NET INCOME DIFFERENCE  
AS OF DECEMBER 31

NET INCOME AS OF 12/31/17 \$ 4,424,600

NET INCOME AS OF 12/31/16 \$ 2,662,100

DIFFERENCE BETWEEN 2017 AND 2016 \$ 1,762,500

INCREASE IN NLR SERVICE CHARGES	\$ 1,146,700 (1)
MAUMELLE SERVICE CHARGES	\$ 746,000 (2)
INCREASE IN DONATED PROPERTY	\$ (359,000) (3)
DECREASE IN EMERGENCY REPAIRS	\$ 231,700 (4)
INCREASE IN INDUSTRY SURCHARGES	\$ 206,600 (5)
INCREASE IN DEPRECIATION	\$ 189,900 (6)
DECREASE IN SHERWOOD TREATMENT CHARGE	\$ (153,000) (7)
DECREASE IN LOSS ON PROPERTY DISPOSALS	\$ 117,800 (8)
DECREASE IN TIE-ON FEE CHARGES	\$ (106,400) (9)
INCREASE IN SLUDGE DISPOSAL EXCEPT MAUMELLE	\$ (92,600) (10)
MAUMELLE TREATMENT PLANT LESS LABOR	\$ (92,000) (11)
INCREASE IN PENSION EXPENSE	\$ (79,100) (12)
DECREASE IN INJURY & DAMAGE EXPENSE	\$ 63,300 (13)
INCREASE IN INTEREST EXPENSE	\$ (42,300) (14)
INCREASE IN BILLING SERVICE FEE	\$ (34,900) (15)
DECREASE IN LEGAL FEES	\$ 19,000 (16)
MISCELLANEOUS	\$ 800

\$ 1,762,500

- (1) INCREASE IN AMOUNT BILLED TO NLR CUSTOMERS DUE TO THE RATE CHANGE WHICH WAS EFFECTIVE WITH THE 2/1/17 BILLINGS.
- (2) WE DID NOT RECORD REVENUE FOR MAUMELLE UNTIL APRIL OF LAST YEAR.
- (3) INCREASE IN THE AMOUNT OF FUNDS WE RECEIVED FROM THE HIGHWAY DEPARTMENT FOR THEIR PROJECTS
- (4) AMOUNT OF EMERGENCY REPAIRS WHICH COULD NOT BE CAPITALIZED LAST YEAR WAS HIGHER
- (5) THE V.A. HAD A LARGE BOD SURCHARGE AND THE MAUMELLE INDUSTRIES OF CINTAS AND AND KIMBERLY CLARK HAD BOD SURCHARGES THIS YEAR.
- (6) INCREASE IN THE AMOUNT OF PROPERTY DEPRECIATED WHICH INCLUDES THE MAUMELLE ASSETS
- (7) DECREASE IN THE FIVE MILE COSTING FORMULA
- (8) DECREASE IN PROPERTY WHICH WAS DISPOSED OF WITH STILL A BOOK VALUE.
- (9) WE RECORDED TIE ON FEE CHARGES FOR FAULKNER CROSSING, PHASE 7 AND 8 LAST YEAR WHICH WERE LARGE IN ACRE SIZE.
- (10) INCREASE DUE TO MORE LOADS HAULED THIS YEAR.
- (11) EXPENSES RELATED TO THE MAUMELLE TREATMENT PLANT LESS LABOR COST. WE DID NOT RECORD EXPENSES UNTIL MARCH OF 2016.
- (12) WE INCREASED THE ACCURAL FOR THE EXPECTED PENSION PLAN CONTRIBUTION THIS YEAR.
- (13) LAST YEAR, WE RECORDED OVERFLOW DAMAGES
- (14) INTEREST ON THE DRAWS RECEIVED FROM ADFAS HAS BEEN MORE THIS YEAR.
- (15) THE AMOUNT WE PAY CENTRAL ARKANSAS WATER IS HIGHER THIS YEAR DUE TO THE MAUMELLE CUSTOMERS.
- (16) WE PAID MORE IN LEGAL EXPENSES LAST YEAR DUE TO THE SERIES 2016 BOND ISSUE

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(4)

### **DIVERSION OF MAUMELLE WASTEWATER TO THE WHITE OAK BAYOU WTP**

Studies conducted during the evaluation to purchase the Maumelle Water Management wastewater system concluded it would be cost effective to eliminate the Maumelle WTP by diverting the wastewater from Maumelle to the White Oak Bayou WTP.

Diversion of the wastewater will be accomplished by converting the existing lagoons into flow equalization basins, modifying the influent pump station and constructing a force main connecting the influent pump station to the newly constructed 36" White Oak Interceptor near its intersection with Counts Massie Road. Other modifications will include:

- Installation of new bar screens and Parshall flume
- Improvements to the White Oak influent pump station and bar screens
- Decommissioning of the Maumelle activated sludge plant
- Installation of auxiliary power supplies at the Maumelle influent pump station and the White Oak Bayou WTP
- Environmental sustainability component
- Decommissioning of the Counts Massie Pump Station #1 and connection of the Counts Massie Pump Station #2 to the new force main

NLRW staff will provide engineering services for the force main connecting the Maumelle influent pump station to the White Oak Interceptor resulting in a significant savings to the utility. All other engineering services will be conducted by Crist Engineers, Inc. with assistance from Marlar Engineering Co., Inc.

Projected cost of the project is \$7,500,000 to \$8,500,000 which will be funded through our current \$30,000,000 Revolving Loan Fund loan. A copy of the engineering services agreement is attached.

#### **ACTION REQUESTED:**

Authorize staff to enter into an agreement with Crist Engineers, Inc. for engineering services related to diversion of Maumelle wastewater to the White Oak Bayou WTP.



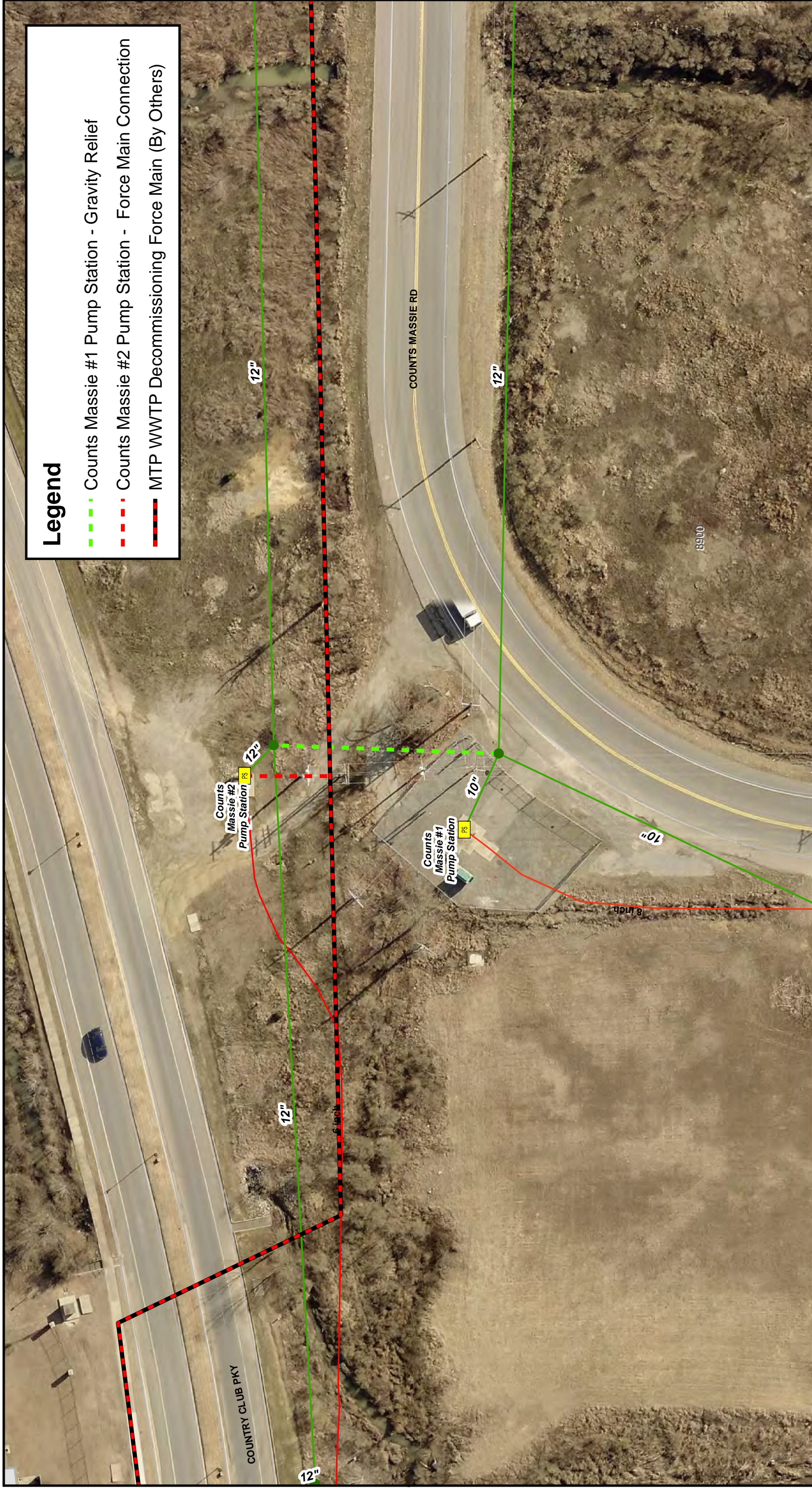


10,723 L.F. of 20" Force Main



**North Little Rock Wastewater  
Maumelle WWTP Decommissioning - Force Main  
NLRW Engineering**

The data contained herein was compiled from various sources for the sole use and benefit of the North Little Rock Waste Water Utility. Any use of the data by anyone other than the North Little Rock Waste Water Utility is at the sole risk of the user; and by acceptance of this data, the user does hereby hold the North Little Rock Waste Water Utility and the City of North Little Rock harmless and without liability from any claims, costs, or damages of any nature against the North Little Rock Waste Water Utility and the City of North Little Rock, including cost of defense arising from improper use of the data or use by another party. Acceptance or use of this data is done without any expressed or implied warranties.



**Legend**

- - - Counts Massie #1 Pump Station - Gravity Relief
- - - Counts Massie #2 Pump Station - Force Main Connection
- - - MTP WWTP Decommissioning Force Main (By Others)



**North Little Rock Wastewater  
Maumelle WWTP Decommissioning - Force Main  
NLRW Engineering**

The data contained herein was compiled from various sources for the sole use and benefit of the North Little Rock Waste Water Utility. Any use of the data by anyone other than the North Little Rock Waste Water Utility is at the sole risk of the user; and by acceptance of this data, the user does hereby hold the North Little Rock Waste Water Utility and the City of North Little Rock harmless and without liability from any claims, costs, or damages of any nature against the North Little Rock Waste Water Utility and the City of North Little Rock, including cost of defense arising from improper use of the data or use by another party. Acceptance or use of this data is done without any expressed or implied warranties.

AGREEMENT

Between

SEWER COMMITTEE of the CITY of NORTH LITTLE ROCK, ARKANSAS

And

CRIST ENGINEERS, INC.

For

DESIGN and CONSTRUCTION PHASE ENGINEERING SERVICES  
WASTEWATER INFRASTRUCTURE IMPROVEMENTS

MAUMELLE WASTEWATER TREATMENT PLANT, WHITE OAK WASTEWATER TREATMENT  
PLANT AND COUNTS MASSIE ROAD PUMP STATION

THIS AGREEMENT, entered into this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ by and between SEWER COMMITTEE (Committee) of the City of North Little Rock, Arkansas, CRIST ENGINEERS, INC. (Engineer):

WITNESSETH THAT:

WHEREAS, The Sewer Committee of North Little Rock, Arkansas acting through the North Little Rock Wastewater Utility (OWNER) owns and operates the wastewater treatment and collection system for the City of North Little Rock and the City of Maumelle, Arkansas.

WHEREAS, A Report of Consolidation Feasibility Assessment dated September 18, 2015, was prepared by Central Arkansas Water to evaluate the consolidation of the water systems of Maumelle Water Management and Central Arkansas Water. Through formal action of Central Arkansas Water, Maumelle Water Management and North Little Rock, Maumelle Water Management, the wastewater collection and treatment system were consolidated with North Little Rock Wastewater Utility on March 1, 2016.

WHEREAS, The consolidation included a wastewater treatment plant with a capacity of 3.5 MGD located in Maumelle, Arkansas. The treatment plant includes an influent pump station, primary and secondary equalization facilities, activated sludge biological treatment process, secondary clarification, and chlorine disinfection. Sludge is processed through aerobic treatment and drying beds are used to dewater the waste sludge prior to disposal.

WHEREAS, it is desirable that an agreement be executed providing for engineering services for design and construction of the Project; and,

NOW THEREFORE, The Sewer Committee of North Little Rock desires to decommission the Maumelle Wastewater Treatment Plant and provide improvements to the influent pump station and equalization facilities to convey the wastewater to the White Oak Basin collection and treatment system. Improvements will also include modification to the pump station near the vicinity

of Counts Massie Road and Country Club Parkway and improvements to the White Oak Pump Station.

The scope of the required engineering services and other conditions of employment are as follows:

#### Section 1 - Engineering Services: PLANNING and DESIGN

The work covered by Section 1 of this Agreement includes those services required during the planning and design phase of the Project.

After authorization to proceed, Engineer will conduct the following tasks:

#### 1.1 Project Kickoff Meeting

Objective: To ascertain OWNER stakeholder expectation of project success.

Assumptions:

1.1.11 None

Subtasks:

1.1.12 Upon receipt of notice-to-proceed, the ENGINEER will plan, schedule and convene a project kick-off meeting/workshop. The purpose of the workshop and its planning is to:

- Establish project stakeholder list
- Solicit stakeholder participation in the project
- Establish project outcomes that will assist the project in becoming a success in the minds of all stakeholders
- Establish stakeholder expectation as to what the project is about (contracted scope or otherwise)
- Develop a project work plan that outlines the objectives of the project, team members, schedule, and contract.

1.1.13 Prior to the Workshop, the ENGINEER will confer with OWNER to plan the agenda of the workshop and develop the initial list of project stakeholders that should attend.

1.1.14 It is anticipated that the workshop can be convened on-site as it could be coupled with an initial site overview tour that will acquaint project team members with the physical specifics of the project.

1.1.15 ENGINEER will prepare meeting minutes of the workshop and distribute to all participants.

1.1.16 The ENGINEER will prepare a detail project schedule with key milestone dates.

1.1.17 The ENGINEER will document the above work on this Task in a Technical Memorandum (TM) entitled, Project Objectives and Goals.

Deliverables:

1.1.18 Workshop minutes containing OWNER stakeholders expectations of project success and action plan that will assist the team in meeting the expectation

1.1.19 Project Objectives and Goals DRAFT (PDF Only)

1.1.20 Project Objectives and Goals FINAL (PDF Only)

## 1.2 Topographical Land Surveying Services

Objective: Conduct a survey to ascertain topographic features necessary to conduct preliminary and final design services.

Assumptions:

1.2.1 OWNER shall provide all available PAGIS files and GIS assets in shapefile and database format for us in the survey preparation.

1.2.2 Topographic and planimetric survey information shall be acquired utilizing PAGIS control monumentation on State Plane North Zone coordinate system.

1.2.3 Survey extents will be defined and agreed to by the OWNER.

1.2.4 No property boundary survey is included in this work. Platting may be required for the City of Maumelle as part of the site plan approval, which will require a legal description and survey of the property to be prepared by OWNER under separate contract.

1.2.5 Easements are not included in the scope of work.

Subtask:

1.2.6 ENGINEER will establish local project control monumentation at the project site with horizontal and vertical elevation set to the nearest one-hundredth of a foot.

1.2.7 Provide contours at 1-ft. intervals, with error less than 0.5-ft. of an interval.

1.2.8 Provide descriptors, spot elevations, and geometric configuration of all surface features including, valves, structures, sidewalks, building outlines, structure outlines, pavement edges, and similar features to depict surface features.



- 1.2.9 Identify natural and manmade surface features such as drainage swales and drain structures including trees with a caliper greater than 6-in. in diameter.
- 1.2.10 Establish perimeter outline of thick wooded areas.
- 1.2.11 Designate FEMA flood zones and base flood elevations with proper reference to regulatory maps.

Deliverables:

- 1.2.12 AutoCAD drawing (Electronic Format DWG)

### 1.3 System Capacity Analysis and Improvement Alternatives

Objective: Perform hydraulic modeling analysis utilizing the OWNER's existing White Oak Basin InfoWorks collection system model to develop an optimized scenario for the collection system and treatment capacity utilizing Maumelle Pump Station improvements in conjunction with the wet weather equalization basin improvements.

Assumptions:

- 1.3.1. OWNER to provide a copy of the existing collection system model, supporting files, and summary of changes to the model since it was developed in 2011 as part of the Wastewater Master Plan.
- 1.3.2. OWNER will conduct rainfall and flow monitoring data in the Maumelle and White Oak collection system to supplement hydraulic modeling. Equipment installation, data collection, and QA/QC activities of the collected data will be conducted by the OWNER or designated consultant.
- 1.3.3. Rainfall and flow monitoring data located in the Maumelle collection system will be utilized to develop flow parameters for incorporation in the InfoWorks model. Rainfall and flow monitoring data located in the White Oak collection system will be utilized to verify the existing flow parameters included in the InfoWorks model. These comparisons will be presented to the OWNER, although no revision of flows or recalibration efforts of the model is included. The model will remain calibrated to 2011 flows incorporating capital improvements to current date.
- 1.3.4. Portions of the Maumelle collection system will be added to the InfoWorks model only to the extent necessary to appropriately load flows in the model. Required infrastructure data will be provided by the OWNER.
- 1.3.5. OWNER shall provide ENGINEER with the collected rainfall and flow monitoring data, pump station information, and the record drawing/GIS information for the collection system modifications to be added to the InfoWorks model that have been completed since the 2011 Masterplan. ENGINEER shall rely on accuracy of the OWNER provided data to conduct the system capacity analysis.

Subtasks:

- 1.3.6. The ENGINEER will support the rainfall and flow monitoring data collection, including proposing flow monitoring locations and review of data collected during the first week of monitoring to confirm that site hydraulics are adequate for collection of quality data. The ENGINEER will continue to review data bi-weekly throughout the monitoring period.
- 1.3.7. Update existing White Oak InfoWorks model to existing conditions including:
  - 1.3.7.1. Conversion of the model from InfoWorks CS to InfoWorks ICM.
  - 1.3.7.2. Incorporation of areas of growth since the 2011 model. Using GIS data (provided by the OWNER) and aerial photography, the extents of the collection system in the White Oak area will be reviewed relative to information used in the 2011 model. Areas of growth will be incorporated based on the model's existing flow parameters.
  - 1.3.7.3. Incorporation of completed capital infrastructure improvement projects since 2011. Up to 4 projects are assumed. OWNER to provide GIS data or record drawings of completed projects.
  - 1.3.7.4. Verification of model configuration for Shillcutt Pump Station and White Oak Pump Station relative to current operation based information provided by the OWNER, which may include pump settings, observed runtime and flow data, drawdown testing information.
  - 1.3.7.5. Comparison of model-predicted results and observed flow monitoring data to be conducted in 2018. No revision of flow or recalibration efforts is included.
- 1.3.8. Incorporate existing Maumelle WWTP Pump Station and wet-weather equalization basin into InfoWorks model. This includes incorporation of portions of the gravity sewer system only to the extent necessary to appropriately load flows in the model. Flows parameters will be developed for the Maumelle collection system utilizing the rainfall and flow monitoring data collected by the OWNER. The approach to developing the flow parameters will be consistent with the approaches utilized in the 2011 model development.
- 1.3.9. Using the updated InfoWorks Model, the ENGINEER will analyze three (3) configurations for utilizing the existing Maumelle Pump Station, routed to the proposed equalization basins and/or to the White Oak system. Analysis will be conducted under average dry-weather wastewater flow and up to three wet-weather wastewater flow scenarios (design storms), as determined in conjunction with the OWNER. The analysis will assess the available conveyance and treatment capacity, identify hydraulic capacity restrictions, and assist the OWNER in developing a preferred improvement alternative.
- 1.3.10. Using the preferred alternative of the Maumelle Pump Station and the equalization basins developed in Subtask 1.4.9, the ENGINEER will utilize the InfoWorks model to perform a system analysis for future development/ growth conditions for average

dry-weather wastewater and peak wet-weather wastewater flows. Future conditions are assumed to be those defined in the 2011 Wastewater Master Plan.

1.3.11. Develop probable estimate of costs for the preferred option.

Deliverables:

1.3.12. Draft Technical Memorandum of model results, schematic of pump stations and equalization basin improvements, and estimate of probable construction cost. (5 Copies + PDF)

1.3.13. Presentation of Draft Technical memorandum to OWNER

1.3.14. Final Technical Memorandum that will incorporate staff comments (5 Copies + PDF).

1.4 Submit design documents of the selected alternative in Section 1.4 to Committee for review and approval.

1.5 Prepare construction drawings, specifications, and other contract documents, and prepare a final opinion of probable construction cost based on the final design of the Project.

1.6 Engineer will provide copies of detailed drawings, specifications, and contract documents for use by Committee and appropriate State and local agencies from whom approval of the Project must be obtained.

1.7 Attend meetings with Committee to present and review the findings, recommendations, and costs pertaining to the Project and to answer questions and attend other meetings concerning the Project as may be scheduled by Committee.

## Section 2 - Engineering Services: CONSTRUCTION

The work covered by Section 2 of this Agreement includes those services required during the construction phase of the Project.

After authorization to proceed, Engineer will:

2.1 Prepare and distribute advertisements for bids, communicate with prospective bidders as required, conduct a pre-bid conference should such become necessary, provide technical interpretation of the drawings and specifications, prepare addenda as required, attend the bid opening, tabulate bids, provide an engineering analysis of the bids received, and assist in the preparation of documents for award of contracts. Bid tabulations and supporting documents will be prepared and submitted to Committee for approval and authorization of contract award.

2.2 Attend a preconstruction conference scheduled by Committee and prepare and issue notice to the contractor to proceed with construction.

- 2.3 Furnish engineers to make periodic visits to the site to observe the progress and quality of the executed work and to determine in general if the work is proceeding in accordance with the contract documents. In performing these services, Engineer will endeavor to protect Committee against deficiencies in the work of the contractor, but Engineer cannot guarantee the performance of the contractor, nor be responsible for the actual supervision of construction operations or for the safety measures that contractors take or should take.
- 2.4 Review samples, catalog data, schedules, shop drawings, laboratory, shop and mill tests of material and equipment and other data which the contractor submits. This review is for the benefit of Committee to ensure general conformance with the design concept of the project and general compliance by the contractor with the information given in the contract documents. It does not relieve the contractor of any responsibility such as dimensions to be confirmed and correlated at the job site, appropriate safety measures to protect workers and the public, or the necessity to construct a complete and workable facility in accordance with the contract documents.
- 2.5 Review and verify contractor's progress payment requests and furnish Committee any necessary certifications as to payments to contractors and suppliers; assemble written guarantees which are required by the contract documents; review contractor's final payment request and make written recommendations to Committee.
- 2.6 Attend, in company with Committee's representative, a final inspection of the Project as scheduled by all parties. This inspection will be for conformance with the design concept of the Project and compliance with the contract documents. When appropriate, Engineer will notify Committee in writing that the project is complete, constructed in accordance with the approved drawings and specifications, and ready for final payment.
- 2.7 Consult and advise with Committee, issue all instructions to the contractor requested by Committee and will prepare necessary contract change orders for approval of Committee and others on a timely basis.
- 2.8 Furnish the services of a Resident Observer (Resident) who will represent Engineer on the job site while the work is in progress. The Resident will observe and monitor the construction work and will call to the attention of the contractor the failure of work or materials to conform with the Drawings and Specifications that he observes. He will keep records of materials and quantities of work accomplished and will assist in the review of monthly estimates of work accomplished to serve as basis for monthly progress payments to contractor(s). He will set baseline and grade reference points as required by the contract documents to define location of the work. Engineer's personnel assigned to duties as Resident are subject to approval by Committee.
- 2.9 Provide Committee with one paper and one electronic (in AutoCAD format) copy of record drawings for the completed project. Such drawings will be based upon construction record provided by the contractor during construction and reviewed by the Resident and compared with the Resident's construction diary.

### Section 3 - Payment for Engineering Services

For services rendered above, Committee shall pay Engineer as follows:

- 3.1 An amount equal to 10.5 percent of the Construction Cost for Basic Services and Construction Project Observation. This amount includes compensation for Engineer's Services and services of Engineer's Consultants, if any. The percentage of Construction Cost noted herein accounts for labor, overhead, profit, and reimbursable expenses.
- 3.2 As a basis for payment to Engineer, Construction Cost will be based on one or more of the following determinations with precedence in the order listed for Work designed or specified by Engineer:
  - 3.2.1 For Work designed or specified and incorporated in the completed Project, the actual final cost of the work performed by Contractor at project completion.
  - 3.2.2 For Work designed or specified but not constructed, the lowest bona fide Bid received from a qualified bidder for such Work; or, if the Work is not bid, the lowest bona fide negotiated proposal for such Work.
  - 3.2.3 For Work designed or specified but not constructed upon which no such Bid or proposal is received, Engineer's most recent opinion of probable Construction Cost.
  - 3.2.4 Labor furnished by Committee for the Project will be included in the Construction Cost at current market rates including a reasonable allowance for overhead and profit. Materials and equipment furnished by Committee will be included at current market prices.
  - 3.2.5 No deduction is to be made from Engineer's compensation on account of any penalty, liquidated damages, or other amounts withheld from payments to Contractor(s).
- 3.3 Progress payments:
  - 3.3.1 Section 1.2 Services - Topographical Land Surveying

The OWNER shall compensate the ENGINEER for the following based upon the schedule outlined below for Section 1.2. For work done by the ENGINEER at the hourly billing rate, the hourly rate is for compensating the category of the individual performing the work, for all time directly chargeable to the project plus actual out-of-pocket expense cost in accordance with the Hourly Billing Rate Schedule included in this Section.

Each task amount provided below is an estimate, the not to exceed value is based upon the aggregate of the task items by phase; therefore, the exact task amount shown on the invoice may vary from what is shown.

Topographical Land Surveying \$10,000

3.3.2 Section 1.3 - System Capacity Analysis and Improvement Alternatives

Compensation for Section 1.3 – System Capacity Analysis and Improvement Alternatives shall be for all labor and expenses in the lump sum amount of \$45,000. The lump sum amount will be invoiced to the client on a percent complete basis for the scope of work defined in Section 1.3.

3.3.3 Sections 1.6, 1.7, All of Section 2, EXCEPT CONSTRUCTION PROJECT OBSERVATION)

The total fee for the project for the Basic Service stage is 6.5 percent of the construction cost as defined in this Section.

Stage of Basic Services	Percent of Base Fee
Schematic Design	15%
Design Development	50%
Construction Documents	75%
Bidding, Negotiating, Award, Construction Contract	80%
Construction Administration	95%
Project Close-Out	100%

3.3.4 The portion of the amounts billed for Engineer's services which is on account of the Percentage of Construction Cost will be based upon Engineer's estimate of the proportion of the total services actually completed during the billing period to the Percentage of Construction Cost.

3.3.5 Upon conclusion of each phase of Services, Committee shall pay such additional amount, if any, as may be necessary to bring total compensation percentage in line with the actual Construction Cost.

3.3.6 Section 2 – Construction Project Observation

The OWNER shall pay the ENGINEER based upon a labor and expense basis in accordance with hourly rate schedule in Section 3.3.10 not to exceed 4.0 percent of the completed construction cost as defined in this Section. An invoice will be prepared based upon a percent complete of the construction contract.

3.3.7 It is understood and agreed that the above stated fee for services is based upon the construction contract time allowed in the contract documents. In the event

that construction-related services are required under this Agreement beyond the established maximum construction contract period, Engineer shall be compensated using the procedure given in paragraph 3.3.10.

3.3.8 For additional services beyond the scope of this Agreement, an amount equal to the cumulative hours charged to the Assignment by each class of Engineer's employees times Standard Hourly Rates for each applicable billing class for all services performed on the Assignment. Engineer shall be reimbursed for other direct costs related to the work including travel, subsistence, lodging, telephone, printing, expendable supplies, and Engineer's consultant's charges, if any. Payment shall be made in the form of periodic payments for services rendered up to the date of the billing.

3.3.9 Payment for engineering services under this agreement shall be made within 30 days after submittal of an acceptable invoice by Engineer. If any of the work designed or specified is suspended for an extended period of time or abandoned as a result of orders from Committee, Engineer shall be paid for work actually completed with payment based insofar as possible upon the fees established herein. Listed amounts exclude any sales tax or use fees as may be charged against professional fees after the date of this agreement.

3.3.10 Compensation of Hourly Rate Services

For work done by the ENGINEER at the hourly billing rate for the category of the individual performing the work, for all time directly chargeable to the project plus actual out-of-pocket expense cost. The ENGINEER's schedule of Hourly Billing Rates as follows:

**HOURLY BILLING RATE SCHEDULE**

<b><u>Classification</u></b>	<b><u>Rate</u></b>
Principal Engineer II	\$171.00
Principal Engineer I	\$147.00
Electrical Engineer II	\$137.00
Electrical Engineer I	\$109.00
Staff Engineer II	\$120.00
Staff Engineer I	\$87.00
Survey Technician Office	\$78.00
Survey Technician Field	\$123.00
Engineering Technician	\$93.00
Construction Observer II	\$91.00
Construction Observer I	\$82.00
CAD Draftsman II	\$81.00
CAD Draftsman I	\$64.00
Office Manager	\$82.00
Office Services	\$37.00
Outside Professional Services	Actual Cost

**Expenses**

OWNER shall reimburse the ENGINEER for qualified expenses directly related to project cost such as, but not limited to airfare, mileage, meals and hotel, associated with travel, printing, plan reproduction, phone, fax, shipping, courier, and expenses directly attributable to project execution. Expenses will be itemized on the invoice.

ENGINEER shall have the right to equitably adjust Hourly Rate Schedule not more than once annually.

3.4 Time Period of Performance

The time periods for the performance of ENGINEER's services as set forth in Article 2 of said Agreement are as follows:

The time period of performance are as follows:

<u>Item</u>	<u>Calendar Days from NTP</u>
Project Kickoff Meeting	20
Site Survey	45
Geotechnical Investigation (Owner Procured)	60
System Capacity Analysis and Improvements	150
50% Design Services Phase	270
90% and 100% Design Services Phase	360
Bidding and Award Phase	420
Construction Phase Services	900

Section 4 - Termination

Committee may terminate this Agreement at any time by notice in writing to Engineer. If this Agreement is terminated by Committee as provided herein, Engineer shall be compensated for the actual work performed to that date of notification.

Section 5 - Exclusions

It is hereby understood and agreed by the Parties hereto that the services of Engineer do not include:

- 5.1 Subsurface exploration or soil borings or their geotechnical considerations.
- 5.2 Property surveys for the purpose of establishing land lines, boundary lines, or lines establishing political subdivisions or easements. Costs or fees associated with preparing or securing easements or land rights.
- 5.3 Testing of construction materials or equipment ultimately used by the contractor(s) within the scope of the Project.



- 5.4 Publication of any Legal Notices as may be associated with the Project.
- 5.5 Services by legal counsel, bond counsel, fiscal agent, appraiser, or abstract company.
- 5.6 Fees as may be charged by local, state, or federal agencies in the process of the implementation of the project. Costs associated with environmental studies required to secure state or federal permits or licenses. Costs or fees charged for crossing, use, or right-of-way as might be charged by a railroad or public utility.

#### Section 6 - Other Provisions

- 6.1 Engineer's opinions of probable Construction Cost provided for herein are to be made on the basis of Engineer's experience and qualifications and represent Engineer's best judgement as an experienced and qualified professional generally familiar with the industry. However, since Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over the Contractor's methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction cost will not vary from opinions of probable Construction Cost prepared by Engineer.
- 6.2 During the Construction Phase, Engineer shall not supervise, direct, or have control over Contractor's work, nor shall Engineer have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the Contractor's work in progress, nor for any failure of the Contractor to comply with laws and regulations applicable to Contractor's furnishing and performing the Work. Engineer neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform the Work in accordance with the Contract Documents.
- 6.3 All Project construction drawings and specifications provided or furnished by Engineer to Committee pursuant to this Agreement are instruments of service in respect to the Project, and Engineer shall retain an ownership and property interest therein, including the right to reuse by and at the discretion of Engineer, whether or not the Project is completed. Committee may make and retain copies for information and reference in connection with the use and occupancy of the Project by Committee and others; however, such documents are not intended or represented to be suitable for reuse by Committee or others on extensions of the Project, or on any other undertaking. Any such use without written verification or adaptation by Engineer for the specific purpose intended shall be at Committee's sole risk and without liability or legal exposure to Engineer or Engineer's consultants; and Committee shall indemnify and hold harmless Engineer and Engineer's consultants from all damages, claims, losses, and expenses including attorney's fees arising out of or resulting therefrom. Any such verification or adaptation will entitle Engineer to further compensation at rates to be agreed upon by Committee and Engineer.
- 6.4 Engineer shall be responsible for the technical accuracy of its services, data, and documents resulting therefrom. Engineer shall correct such deficiencies without

additional compensation, except to the extent that such action is directly attributable to deficiencies in information furnished by Committee.

6.5 This agreement shall be binding upon the parties hereto, their partners, heirs, successors, administrators and assigns; and neither party shall assign, sublet or transfer his interest in this agreement without the prior written consent of the other party hereto.

Section 7 - Execution

IN WITNESS WHEREOF, Committee has caused these presents to be executed in its behalf by its duly authorized representatives, and the said Engineer by its duly authorized representatives, and the Parties hereto have set their hands and seals on the date heretofore set out in the beginning.

SEWER COMMITTEE OF  
NORTH LITTLE ROCK, ARKANSAS

Attest:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(Name and Title)

\_\_\_\_\_  
(Name and Title)

CRIST ENGINEERS, INC.

Attest:

\_\_\_\_\_

\_\_\_\_\_

Les Price, Secretary-Treasurer

Stewart Noland, President