

TREATMENT DEPARTMENT STATUS REPORT

January, 2018

	<u>BOD</u>	<u>TSS</u>
Faulkner Lake	8.8 mg/L (30 Max.)	4.5 mg/L (30 Max.)
Five Mile	20.4 mg/L (30 Max.)	24.4 mg/L (90 Max.)
White Oak	23.4 mg/L (30 Max.)	26.3 mg/L (90 max.)
Maumelle	21.3 mg/L (30Max.)	18.9 mg/L (30 Max.)

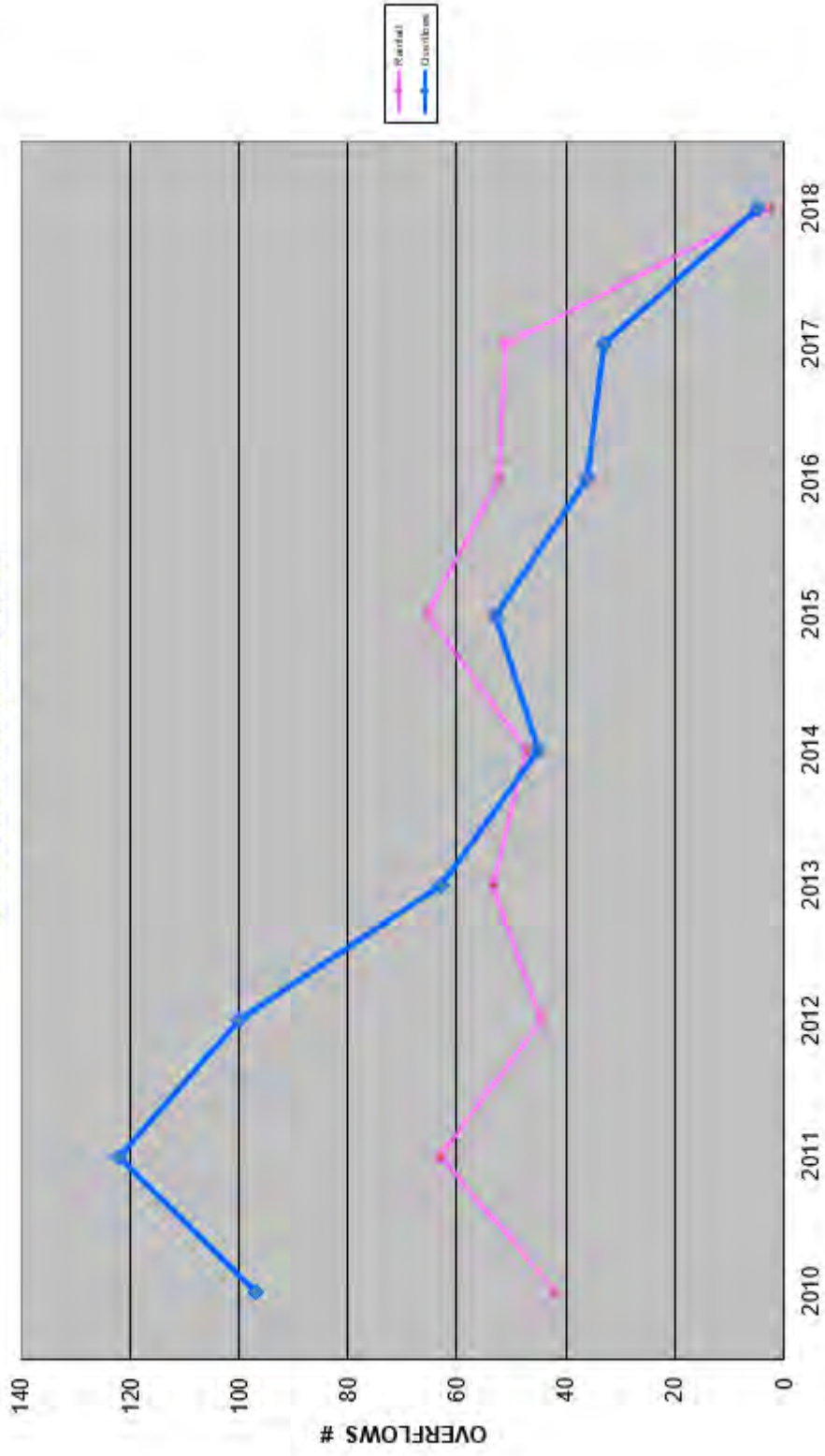
Shannon Wayson
Chemist

**NLR Wastewater
Maintenance & Repair Department
Work Recap by Ward
January-18**

Crews:	Ward 0	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Total
MANHOLE:							
<i>Disconnects</i>	0	0	0	0	0	0	0
<i>Taps</i>	0	0	0	0	0	0	0
<i>Repairs</i>	0	8	3	17	19	0	47
<i># of MH's Grouted</i>	0	4	3	7	27	0	41
<i>#of Coats</i>	0	0	0	0	0	0	0
<i>MH Depth (Ft/In)</i>	0.0	0.0	0	18.0	65.0	0.0	83.0
<i># of Bags of Grout</i>	0	1	0.0	5.0	36.0	0.0	42
POWER DRIVE:							
<i># of Ft Cleaned</i>	249	6,051	210	3,956	0	0	10,466
PWR RODDER #1:							
<i># of Ft Cleaned</i>	0	0	0	0	0	0	0
REPAIR #1:							
<i>Repairs</i>	0	1	0	0	0	1	2
<i>New Manholes</i>	0	3	0	0	0	0	3
<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	1	0	0	0	1
REPAIR #2:							
<i>Repairs</i>	0	1	4	4	1	2	12
<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	1	2	2	0	0	5
REPAIR #3:							
<i>Repairs</i>	1	7	3	1	1	1	14
<i>New Manholes</i>	0	1	0	0	0	0	1
<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	1	0	1
<i>Miscellaneous</i>	0	1	3	2	0	2	8
REPAIR #4:							
<i>Repairs</i>	0	2	5	1	0	2	10
<i>New Manholes</i>	0	0	1	0	0	0	1
<i>New Lines</i>	0	0	0	0	0	0	0
<i>Disconnects</i>	1	2	8	2	0	0	13
<i>Taps</i>	0	0	0	0	0	0	0
<i>Miscellaneous</i>	0	0	3	0	0	0	3
TROUBLE:							
<i># of Ft Cleaned</i>	95	205	92	170	0	0	562
<i>Stop-Ups</i>	4	10	18	10	9	4	55
<i>Private Lines</i>	3	8	11	7	6	3	38
<i>Cave-Ins</i>	0	0	5	0	0	0	5
<i>Flooded Houses</i>	0	0	0	0	1	0	1
<i>Miscellaneous</i>	2	7	29	4	6	1	49
<i>Total Calls</i>	6	19	48	14	15	5	107
VACCON #1:							
<i># of Ft Cleaned</i>	0	2,069	5,195	1,366	2,070	6,170	16,870
VACCON #2:							
<i># of Ft Cleaned</i>	2,216	1,043	18,321	3,345	0	240	25,165
VACCON #3:							
<i># of Ft Cleaned</i>	0	0	25,773	627	0	0	26,400
VACCON #4:							
<i># of Ft Cleaned</i>	0	0	0	0	0	0	0
VACCON #5:							
<i># of Ft Cleaned</i>	3,186	396	9,018	18,679	5,887	0	37,166
TV #1							
<i># of Ft</i>	0	1,944	4,969	1,054	1,089	6,599	15,655
TV #2							
<i># of Ft</i>	3,482	414	5,320	1,386	3,288	0	13,890

North Little Rock Wastewater North Little Rock, AR

Annual Overflows and Rainfall



North Little Rock Wastewater

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Faulkner Lake Basin											
Rainfall	61.8	77.5	41.5	76.5	45.46	62.8	54.2	70.07	61.6	55.1	2.9
Overflows	47	38	42	61	63	36	21	27	19	14	2
White Oak Basin											
Rainfall	60.1	77	44.2	68.6	46.56	50.75	44	68.7	51.2	56.1	2.4
Overflows	32	35	32	45	25	13	9	21	9	5	2
Five Mile Creek Basin											
Rainfall	55.9	70.4	35	60.4	41.15	52.4	46.6	66.5	49.5	48.7	2.5
Overflows	14	16	23	16	12	14	15	5	5	9	0
Maumelle Basin											
Rainfall									41.1	51.4	2.3
Overflows									4	5	1
Entire System											
Rainfall	51.93	79.61	42.04	62.98	44.42	53.45	47.15	65.36	52.37	51.15	2.46
Overflows	93	89	97	122	100	63	45	53	36	33	5

rainfall and overflow summary

REHABILITATION FUND
REPAIR CREW EXPENDITURES FOR THE MONTH
ENDED JANUARY 2018

EXPENDITURES FOR LINE REHABILITATION-REPAIR CREWS	<u>\$ 57,389.01</u>
REFUND DUE TO SEWER FUND	<u>\$57,389.01</u>

REHABILITATION REPORT-REPAIR CREWS
FOR THE MONTH ENDED JANUARY 31, 2018

LOCATION	TOTAL	LABOR	MATERIALS	EQUIPMENT	OUTSIDE WORK
WARD #0 LINES					
MISCELLANEOUS	\$ 2,285.32	\$ 1,120.87	\$ -	\$ 1,164.45	\$ -
TOTAL WARD #0 LINES	\$ 2,285.32	\$ 1,120.87	\$ -	\$ 1,164.45	\$ -
WARD #1 LINES					
MISCELLANEOUS	\$ 28,611.73	\$ 6,431.29	\$ 2,995.90	\$ 6,681.36	\$ 12,503.18
TOTAL WARD #1 LINES	\$ 28,611.73	\$ 6,431.29	\$ 2,995.90	\$ 6,681.36	\$ 12,503.18
WARD #2 LINES					
MISCELLANEOUS	\$ 8,211.69	\$ 2,637.32	\$ 2,384.50	\$ 2,739.87	\$ 450.00
TOTAL WARD #2 LINES	\$ 8,211.69	\$ 2,637.32	\$ 2,384.50	\$ 2,739.87	\$ 450.00
WARD #3 LINES					
MISCELLANEOUS	\$ 9,606.27	\$ 4,330.53	\$ 776.82	\$ 4,498.92	\$ -
NONA STREET-R12-02	\$ 61.86	\$ -	\$ -	\$ -	\$ 61.86
TOTAL WARD #3 LINES	\$ 9,668.13	\$ 4,330.53	\$ 776.82	\$ 4,498.92	\$ 61.86
WARD #4 LINES					
MISCELLANEOUS	\$ 2,409.16	\$ 947.60	\$ 477.11	\$ 984.45	\$ -
TOTAL WARD #4 LINES	\$ 2,409.16	\$ 947.60	\$ 477.11	\$ 984.45	\$ -
WARD #5 LINES					
MISCELLANEOUS	\$ 6,202.98	\$ 2,166.28	\$ 1,786.19	\$ 2,250.51	\$ -
TOTAL WARD #5 LINES	\$ 6,202.98	\$ 2,166.28	\$ 1,786.19	\$ 2,250.51	\$ -
TOTAL ALL WARDS	\$ 57,389.01	\$ 17,633.89	\$ 8,420.52	\$ 18,319.56	\$ 13,015.04



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: February 13, 2018
TIME: 12:15 PM

- (1) APPROVAL OF THE MINUTES OF THE JANUARY 9, 2018 MEETING
- (2) CASH DISBURSEMENTS FOR JANUARY 2018
- (3) FINANCIAL REPORT FOR JANUARY 2018
- (4) DIVERSION OF MAUMELLE WASTEWATER TO THE WHITE OAK BAYOU WTP
- (5) 2017 END OF YEAR REPORT
- (6) WHITE OAK TREATMENT PLANT LAGOONS 3 AND 4 INFLUENT VALVE PROJECT
- (7) SSES 2018 ENGINEERING SERVICES AGREEMENT
- (8) ANNUAL PAGIS DUES



(1)

NEW BUSINESS

ACTION REQUESTED:

Approval of the Minutes of the January 9, 2018 Committee Meeting



NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE

MINUTES OF A MEETING HELD TUESDAY, JANUARY 9, 2018

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, January 9, 2018 at the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 12:17 p.m. Those in attendance at the meeting were Mr. K.W. Matthews, 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, representative 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. Mark Halter with Hilburn, Calhoun, Harper, Pruniski & Calhoun, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its December 12, 2017 meeting. A motion was made by Mr. McGlothlin, seconded by Ms. Bryant, to approve the minutes of the December 12, 2017 meeting. The motion carried unanimously.

Next, the Committee reviewed the cash disbursements for December 2017. There being no questions or comments, a motion was made by Mr. Nelson, seconded by Ms. Bryant to approve the cash disbursements for December 2017 reflecting total cash disbursements of \$1,783,404.16 and transfers between accounts of \$1,155,295.75. The motion carried unanimously.

The Committee then reviewed the Financial Statement for December 2017. A motion was made by Mr. Nelson, seconded by Mr. McGlothlin, to approve the Financial Statement for December 2017. The motion carried unanimously. Mr. Nelson inquired as to the number of customers the Utility services inside the City of North Little Rock. Ms. Briley stated that the number basically remains about the same and it has not declined. Further, the Commission was advised that Steve White had called and the Utility's pension plan made approximately \$1,199,000.00 in the year 2017.

Mr. Wilkins then discussed with the Commission the diversion of Maumelle wastewater to the White Oak Bayou WTP. He stated that the 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 construction 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

The North Little Rock Waste Water Utility staff will provide the 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 the assistance from Marlar Engineering Co., Inc. The breakdown for services between the two firms is figured on a 60/40 split as set out in an email to Mr. Wilkins. The projected cost of the project is \$7,500,000 to \$8,500,000 which will be funded through the current \$30,000,000 Revolving Loan Fund loan. After a lengthy discussion, a motion was made by Mr. McGlothlin, seconded by Mr. Nelson, that the project be done under a joint venture contract with Crist Engineers, Inc. and Marlar Engineering Co., Inc. and that the contract contain an exact breakdown as to the duties to be performed by each. The motion carried unanimously.

After discussing this project and the engineering services to be performed in house, Mr. Wilkins informed the Committee that in the last year to eighteen months, the engineering and treatment departments have saved the Utility approximately \$1,800,000 on engineering services.

A motion was then made by Mr. Nelson, seconded by Ms. Bryant, to excuse the absence of Mr. Smith from the meeting. The motion carried unanimously.

There being no further action to come before the Committee, a motion was made by Mr. McGlothlin, to adjourn the meeting. The motion carried unanimously, and the meeting was adjourned at approximately 12:44 p.m.

APPROVED AS TO FORM:

K. W. MATTHEWS, CHAIRMAN

RESPECTFULLY SUBMITTED,

SYLVESTER SMITH,
VICE-CHAIRMAN/SECRETARY

(2)

CASH DISBURSEMENTS FOR JANUARY 2018

ACTION REQUESTED:

Approval of the Cash Disbursements for January 2018 showing total

Cash Disbursements of **\$1,858,336.38**

and

Fund Transfers between accounts of **\$1,633,566.67.**



**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43140	Allied Supply Inc.	\$ 68.29	2" Ball Valve - Maumelle
43141	American Composting, Inc.	\$ 2,430.66	Grease Hauling FLTP
43142	Applied Industrial Technology	\$ 172.02	Part for Maumelle Plant Blower Belt
43143	Arkansas Aggregates, Inc.	\$ 2,133.44	Gravel Delivered to 29th St. & FLTP
43144	Asphalt Products, LLC	\$ 434.63	Asphalt Repair Ward 2
43145	AT&T	\$ 334.50	Monthly Land Line Charges - White Oak, 5-Mile and Faulkner Lake Gate
43146	AT&T	\$ 698.40	Data Communications between Baucum Pike, City Services & CAW
43147	Battery Outfitters	\$ 65.90	Dell Laptop Batteries - Operations
43148	Brown Janitor Supply	\$ 26.55	Pump Maintenance Men's Room Supplies
43149	Cintas Corp. #650	\$ 3,038.52	Bi-weekly Mat Service, Uniform Service, Monthly Cleaning Men's Room CS&E, Carhartt Coats New Operators, 13 Insulated Bib Overalls-Collection Systems
43150	Core & Main, LP	\$ 266.96	Flange Gaskets-Operations, Blade for Cut-Off Saw-Repair Crew #2
43151	Cranford Construction	\$ 179.52	Asphalt Repair Ward 2
43152	Crow Burlingame Co.	\$ 383.05	Hydraulics & Filters Units #122 & 107; Plugs & Connector Unit #122, Hydraulic Fitting Unit #104
43153	Cummins Mid-South LLC	\$ 946.21	Install Battery Charger on Generator 1, Influent, FL Plant
43154	Elliott Electric Supply, Inc.	\$ 2,478.76	PVC, Elbows, Locknuts, Rigid Strap, Alum. Cove, Connectors, etc. Faulkner Lake Plant & Stock; F Frame White Oak Aerator; New Panel, Shorter College; J Box, Faulkner Lake Scada
43155	EMD Millipore Corp.	\$ 55.67	Airbath Latch
43156	Entergy	\$ 19,473.98	Electric: Marche', Seminole E, Seminole W, Rixie Rd, Rixie/Lucky, Maumelle Valley, New Bedford, Odom/Blue Mountain, Osage Falls, Osage Hills, Ponca, Hill Lake, Naylor, Maumelle Main, High School, Maum Surge/Aerators, Training Bldg, Lake, Naylor, Odom/Blue Mountain, Durango, Ridgeland, Ridgeland/Odom
43157	EZAutomation	\$ 349.00	Maum PS#4, PS#2, #3, Diamond Pt, Durango, Ridgeland, Ridgeland/Odom Touchscreen Kit - FL Barscreen Controls
43158	Fuller & Son Maumelle	\$ 109.14	Insulation Pipe, Paint Pail Lid, Bucket, Hydraulic Oil, Red Heat Lamp, PVC Pipe, PVC Unions - Maumelle
43159	Henard Utility Products	\$ 417.34	Cleats, Rivets, Freight - TV#1
43160	Hum's Hardware	\$ 1,427.74	Rakes, Couplings, Anchors, Bib Overalls, Pins, Twine, 9V Batteries, Drainage Parts, Plug-In Switch, Cord, Yellow Poly Rope, Fuses, Set Mechanics, Hose Inserts, Clamps, Bandsaw Blade, Jaw Lock Pliers, Manila Rope, Pipe Wrap, Power Inverter, Internal Pipe Wrench, Snap Rings
43161	Hum's Rental	\$ 523.53	Bobcat Excavator, 20' Trailer Rental for Repair Ward 2
43162	ICM Technologies	\$ 170.82	4 - 48" shovels - Crew Supplies
43163	Industrial Electronic Supply	\$ 253.89	3 Phase Monitor, Alternating Relay, Socket 8 Pin - Unit #90 Stock
43164	Interstate Tire	\$ 901.35	6 Tires & Balance Unit #100
43165	J.R. Fox Co., Inc.	\$ 19,045.00	Repair Offset & Linking Joint FL Plant

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43166	Jackson Cleaning Service	\$ 1,280.30	Janitorial December - Lab, Engineering, Admin
43167	Jim's Crane Rental Service	\$ 460.00	Min. Time Rental 28-Ton Crane, Change Aerator Pump at 5-Mile
43168	Jimmy Don Waddles Hauling, Inc.	\$ 1,380.00	Biosolids Hauling Maumelle to Two Pines - 6 Load 12/26 - 12/29/17
43169	Joe's Garage	\$ 69.34	Oil Change - Unit #132
43170	MHC Kenworth	\$ 505.00	Oil Change & Tune Up - Unit #113
43171	North Little Rock Electric	\$ 20,162.36	Electric: Maryland East, Oakbrook, Maryland Place, PineTree, WO Gate, Lakewood, Harris, Lansbrook, FL Lab, Shilcutt, FL Sludge, Galloway/Maybelline, FL Blower, FLTP, 3812B Nona, 3804B Nona, 3924B Nona, Dixie, FL Plant Maint Bldg, Cypress Xing, Faulkner Xing, FL Admin, Delta Lawn, Baucum Ind, Shorter College
43172	O'Reilly Automotive Stores	\$ 449.38	Wiper Blades Unit #83, Batteries FM Influent & Generator, Mini Bulb Unit#124
43173	Panera, LLC	\$ 91.62	Lunches, Committee Meeting 12/12/17
43174	Pettus Office Products	\$ 1,240.11	Back-UPS, Ink Cartridges, Copy Paper, Index Tabs, Label Printer Tape, Scissors, Coffee, Tissues, Cups - Admin, Ops, Lab
43175	Quadex, Inc.	\$ 2,602.00	Grout for Inventory
43176	Quality Petroleum, Inc.	\$ 814.01	Drum of Shell Rotella, Case of Shell Gadus-Units 122, 107, 109, 132
43177	RGA	\$ 210.14	Chlorine Fittings & Gaskets - All Plants
43178	Southern Pipe & Supply	\$ 36.35	Hand Bilge Pump - Maumelle
43179	Southern Tire Mart	\$ 368.01	Unit #121 - 2 Tires & Front End Alignment
43180	Stanley Hardware	\$ 147.18	Repair Cut Off Saw, Fittings Ward 2 Repair, Concrete, Trowels Ward 3 Repair
43181	Terminix	\$ 113.93	Monthly Pest Service
43182	USA Bluebook	\$ 577.64	Storage Solution, Filter Papers, Kim Wipes, Dispenser - Process Control Supplies
43183	UBS	\$ 164.45	Water: Shilcutt, Oakbrook, 5-Mi, Heilman White Oak, White Oak, Shorter College, Dixie, Delta Lawn
43184	Waste Management	\$ 25,273.77	Biosolids Disposal FLTP and Maumelle December 2017
43185	Wholesale Electric Supply	\$ 138.61	Splicing Tape, Bur Bit, Butt Splice, Stranded Wire - 5-Mi 124 Aerator & 111 Aerator
43186	Ameriprise Financial Services	\$ 95.00	Employee Contributions - Pay Period Ending 1/7/18
43187	United Way	\$ 63.00	Charitable Giving Employee Contributions Pay Period Ending 1/7/18
43188	NLR Community Center	\$ 2.50	Employee Deduction Wellness Program Pay Period Ending 1/7/18
43189	OCSE Clearinghouse SDU	\$ 317.66	Employee Child Support Payments Pay Period Ending 1/7/18
NAT-01	Nationwide Retirement Solutions	\$ 3,681.31	Retirement Contributions Pay Period Ending 1/7/2018
AFC-01	Arkansas Federal Credit Union	\$ 5,555.31	Employee Deposits Pay Period Ending 1/7/2018
PR-01	Payroll Tax Deposit	\$ 74,095.01	Payroll Taxes Pay Period Ending 1/7/2018
43190	Aflac	\$ 2,146.58	Employee Deductions - Supplemental Insurance
43191	Federal Surplus Program	\$ 10.00	Office Chair - CollectionSystems

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43192	Arkansas Aggregates, Inc.	\$ 7,061.36	Stone & Gravel Delivered to FLTP 11/1/17 - 12/31/17
43193	Arkansas Democrat Gazette	\$ 445.50	Legal Notices Discharge Permits for White Oak and Five Mile
43194	Arkansas Rural Water Association	\$ 900.00	Membership Dues 2018
43195	Arkansas Sod & Turf Farm, Inc.	\$ 239.52	Grass Repairs Wards 1,2, 3
43196	Asphalt Products, LLC	\$ 1,712.26	18.1 Tons of Cold Mix for Stock
43197	AT&T	\$ 1,156.44	Phone Monthly Service FLTP thru 1/18/18
43198	Boston Mutual Life Insurance Co.	\$ 547.83	Supplemental Insurance - Employee Deductions
43199	CAHRA	\$ 300.00	Membership Dues 2018 & Lunch
43200	Centerpoint Energy	\$ 256.00	Gas - Generators: New Bedford, Seminole West, CC Ballfields - Maumelle Valley Pump Station
43201	Change Center for Health	\$ 3,251.50	Wellness Clinic Contract - February 2018
43202	City of Maumelle	\$ 11,778.07	Franchise Fees Collections December 2017
43203	City of North Little Rock	\$ 77,647.16	Franchise Fees Collections December 2017
43204	Consolidated Pipe & Supply	\$ 242.08	Clay/PVC Coupling - Ward 5 Repair
43205	Cranford Construction	\$ 1,042.83	ACHM Surface - Ward 2 Repairs
43206	Datamax	\$ 168.16	Admin Copier Monthly Maintenance
43207	Dept. of Finance and Administration	\$ 13,947.06	State Withholding Tax December 2017
43208	Digi-Key	\$ 277.52	Scada Components 5-Mile & White Oak
43209	Doorcking, Inc.	\$ 45.00	Cellular Service Activation Gate Phone
43210	Entergy	\$ 1,476.90	Electric: Lawrence, Masters Place, Town Center, Norfolk, River Run, Palisades, Murphy Drive, Maumelle #2 Pump Stations
43211	EZAutomation	\$ 534.00	Scada Components 5-Mile & White Oak
43212	Fuller & Son Maumelle	\$ 97.67	Heat Tape, Pipe Wrap, Extension Cords, Faucet Protector
43213	Grainger	\$ 59.81	Hour Meters - Shorter College PS
43214	Green & Chapman, Inc.	\$ 1,447.09	600 Gallons Red Diesel - Emergency Pump Rental Fuel
43215	Henard Utility Products	\$ 9,231.61	Cues Repair/Overnight Freight; Unit #107 Electric Reel, Receptical, Overhaul Kit
43216	Interstate Tire	\$ 187.39	Unit #120 - 1 Tire, Computer Balance
43217	JJ Keller & Associates, Inc.	\$ 995.00	Prospera BSC License through 2/28/2019
43218	Jimmy Don Waddles Hauling, Inc.	\$ 3,350.00	Biosolids Hauling Maumelle to Two Pines - 14 Loads 1/2/18 - 1/8/18
43219	Little Rock Winwater Co.	\$ 5,157.96	Manhole Ring Extensions, T-Plugs, PVC Gasket Pipe (Inventory)
43220	NLR Times	\$ 36.00	1 Year Subscription for the Billing Department
43221	NLR Welding Supply Co.	\$ 167.46	Compressed Oxygen - Unit #83; Air Cylinder Rental 5-Mi, White Oak, FLTP
43222	North Little Rock Electric	\$ 176.36	Electric - Hwy 107 PS
43223	O'Reilly Automotive Stores	\$ 126.95	1 Battery for Maumelle
43224	Peterson Concrete Septic Tank	\$ 159.10	2' Riser Repair Ward 2
43225	Pettus Office Products	\$ 73.40	Pressboard Covers Lab & Pretreatment

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43226	Polytec, Inc.	\$ 6,827.24	3000 Lbs. Polymer FL Plant
43227	Purvis Industries	\$ 5,325.23	5 HP & 3 HP Gear Boxes - FL Belt Press - Budget Item
43228	Regions Corporate Trust	\$ 405.00	Rixie Bond Repayment Collected in December
43229	Sonny Fulmer Trucking	\$ 1,540.06	Gravel Hauling to 29th St; Concrete Repairs Wards 1 & 2
43230	Spa Chemicals, Inc.	\$ 591.25	Pop Up Towels, Center Pull Towels, Scrubs in a Bucket
43231	Summit Truck Group	\$ 554.73	Unit #112, Oil Leak & Repairs
43232	T&T Equipment	\$ 260.40	55 Gallons ProPanel for Truck Wash
43233	US Bank	\$ 112,998.00	2018 Property & Liability Insurance APERMA
43234	UBS	\$ 1,853.79	Water: FLTP Lab, FLTP, Maumelle TP, Murphy Dr PS, Maumelle TP
43235	Wade Company	\$ 2,111.41	Maintenance Agreement Lab HVAC - 2nd of 2 semi annual billings
43236	Web Lubrications Inc/Jiffy Lube	\$ 36.52	Unit #127 Oil Change
43237	Wholesale Electric Supply	\$ 172.51	Mini Relay Base - FL Plant
43238	Windstream	\$ 61.16	Billing Dept Phone/Fax Line Monthly Service
43239	Allied Supply Inc.	\$ 236.44	Flange, Gaskets, Pipe, Tie Downs - FL Primary Clarifier #4
43240	Arkansas One-Call System, Inc	\$ 407.85	Member Fee/Jan 2018; Call Fee/Dec 2017
43241	BCS, Inc.	\$ 804.12	Material, Labor, Drive Time to Install DK Cell Box at FLTP Main Gate
43242	Cabot Florist, Inc.	\$ 87.32	Sympathy Arrangement - Employee's Grandfather
43243	Capitol Equipment	\$ 1,407.89	Tune Up Trackhoe KX080-4; Repair Front End Loader
43244	Centerpoint Energy	\$ 17.36	Gas Bill - 701 W. 29th
43245	Central Arkansas Water	\$ 40,094.46	Wastewater Billing Fees November 2017
43246	City of Maumelle	\$ 24.86	Commercial Fire & Police Fees - December 2017
43247	Digi-Key Electronics	\$ 848.63	4 Snap Links - SCADA Components 5-Mi & White Oak
43248	Entergy	\$ 19,290.35	Electric: Collins Industrial, Bouries, Counts Massie, Counts M#2, Maranes, CC Ballfields, Crystal Bay, Maumelle Woods, Bridgeway #2, Hwy 365, WOTP, Lagoons, Bar Screen, Structure
43249	Eureka Gardens Facilities Board	\$ 3,693.60	Debt Fee Collected -Dec, Cycle 7 & Cycle 4 Collections
43250	FedEx	\$ 67.98	Return Shipments to Cues, Ship Hard Drive to RJN
43251	First Electric Coop	\$ 171.99	Electric: Gap Creek
43252	Fleet Tire Service	\$ 70.47	Oil Change; Flat Repair - Unit #115
43253	Gravel Ridge Sewer District	\$ 18,240.04	Billed Accounts: Dec Cycles 4, 5, 7 Collections
43254	Hum's Hardware	\$ 44.09	Propane, Airline nipple, Female claw, Bushing - 5-Mile
43255	ICM Technologies	\$ 439.20	Couplings & Menders - Units # 122, #10
43256	Interstate Tire	\$ 187.39	1 Tire w/Balance Unit#120
43257	JJ Keller & Associates, Inc.	\$ 1,039.68	Training CD's - Personal Protective Equipment; Defensive Driving, Substance Abuse
43258	James Rhodes	\$ 50.00	Electrician's License Renewal 2018 - Renewed Online
43259	Jimmy Don Waddles Hauling, Inc.	\$ 3,220.00	Biosolids Hauling Maumelle to Two Pines 14 Loads 1/9/18 - 1/15/18
43260	Joe's Garage & Wrecker Service	\$ 1,135.67	Replace Catalytic Converter -Unit #100

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43261	Kerr Paper & Supply Co.	\$ 572.46	Mechanic Towels, C-Fold Towels, Wipers (Stock, Lab, Pump Maint, 5-Mi)
43262	Kubota Tractor Corp.	\$ 87,141.32	New Excavator - Kubota KX080-4R3A
43263	Little Rock Winwater Co.	\$ 7,117.14	Manhole Covers, Extensions
43264	Meadors, Adams & Lee, Inc.	\$ 500.00	One Year Renewal of ROW Bond PUCO Road and Bridge
43265	Mr. First Aid	\$ 628.07	First Aid Supplies - Collection Sys, Ops, Pump Maintenance
43266	Nease Electrical, Inc.	\$ 100,840.85	2017 Final Estimate - Pump Station Generator Project
43267	O'Reilly Automotive Stores	\$ 24.10	Unit #90 - Sealed Beams, Wiper Fluid
43268	Pettus Office Products	\$ 80.41	File Folders, Paper Towels, Tissues, Name Plate HR Manager - Admin
43269	Post Oak Acres	\$ 27.38	Top Soil - Ward 4 Repair
43270	Powers Truck & Equipment	\$ 970.03	Unit #111 Batteries; Unit #112 Repair Shorts in Tail Lights
43271	RJN Group, Inc.	\$ 41,494.17	SSES Professional Services through 12/22/17
43272	Sewer District #211	\$ 569.50	Billed Accounts: Dec Cycles 4, 7 Collections
43273	Web Lubrications Inc./Jiffy Lube	\$ 175.19	Unit #87 - Signature Service Oil Change & Tire Rotation
Electpymt-1	Centennial Bank	\$ 1,719.21	Online Job Ads, Carpet Repair, Lunch Committee Meeting, Christmas Luncheon Expense
43274	Ameriprise Financial Services	\$ 95.00	Employee Contributions - Pay Period Ending 1/21/18
43275	United Way	\$ 63.00	Charitable Giving Employee Contributions Pay Period Ending 1/21/18
43276	NLR Community Center	\$ 2.50	Employee Deduction Wellness Program Pay Period Ending 1/21/18
43277	OCSE Clearinghouse SDU	\$ 317.66	Employee Child Support Payments Pay Period Ending 1/21/18
AFC-02	Arkansas Federal Credit Union	\$ 4,955.31	Employee Deposits Pay Period Ending 1/21/2018
NAT-02	Nationwide Retirement Solutions	\$ 3,681.31	Retirement Contributions Pay Period Ending 1/21/2018
PR-02	Payroll Tax Deposit	\$ 42,306.36	Payroll Taxes Pay Period Ending 1/21/2018
43278	Arkansas Copier Center	\$ 83.00	Monthly Copier Maintenance - Lab
43279	AT&T	\$ 136.42	Internet Services White Oak & 5-Mi; Data for Survey Equipment
43280	Centerpoint Energy	\$ 4,717.78	Gas: FL Lab, FLTP, Gap Creek Gen, Dixie Gen, Clayton Chapel Gen, Eureka Gardens Gen
43281	City of North Little Rock	\$ 455.00	ID Badges for Employees During 2017
43282	Colonial Life	\$ 432.83	Supplemental Insurance - Employee Deductions
43283	Commercial Mail Service, Inc.	\$ 57.09	Mailer Inserts CAW Bills - December 2017
43284	Cranford Construction	\$ 557.22	Asphalt Repair Wards 1, 2, 5
43285	Datamax	\$ 682.25	New Printer in Accounting, Monthly Copier Maintenance CS&E
43286	Digi-Key	\$ 108.56	Cable Grips - SCADA Projects
43287	Electric Motor Service, Inc.	\$ 2,812.20	Aerator Motor Rebuild - White Oak
43288	Entergy	\$ 222.33	Electric: Clayton Chapel PS
43289	EZAutomation	\$ 105.82	EZ Transformer - White Oak Scada Project
43290	Fleet Tire Service	\$ 21.90	Unit #94 Flat Repair
43291	Fleetmatics USA, LLC	\$ 490.00	Tracking Service 14 Units - January 2018
43292	Fuelman	\$ 9,841.10	Gasoline & Diesel Utility Vehicles Month of December 2017

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43293	Grainger	\$ 213.07	Electric Heaters - McAlmont & Shorter PS
43294	Henard Utility Products	\$ 957.47	Repair Boom Swing Unit#122
43295	Hilburn, Calhoun, Harper, Pruniski, etal	\$ 1,871.80	Legal Sevices - Marlar Easement, Special Projects, Retainer
43296	InterDyn BMI	\$ 47.50	Email Consultation - Brief
43297	Interstate Tire	\$ 21.80	Patch Tire Unit #95
43298	Jimmy Don Waddles Hauling, Inc.	\$ 1,840.00	Biosolids Hauling Maumelle to Two Pines 8 Loads 1/18/18 - 1/22/18
43299	Joe's Garage & Wrecker Service	\$ 52.68	Oil Change Unit #103
43300	Legal Shield	\$ 171.45	Prepaid Legal Services-Employee Deductions
43301	Municipal Health Benefit Fund	\$ 71,549.50	Employee Health Insurance - February, 2018
43302	Municipal League Workers Compensation Trust	\$ 106,358.00	Workers Comp Insurance Premium 2018
43303	North Little Rock Electric	\$ 910.18	Electric: I-440 Industrial, Wilcox, FL CS&E Bldg.
43304	Office Depot	\$ 126.22	Ink Cartridges, Pens, Binders, Planners - Customer Service
43305	OmniSite	\$ 20,700.00	Wireless Service 2018 - 69 Omni Devices
43306	Peterson Concrete Septic Tank	\$ 278.43	Manhole Cone & Riser Ward 1
43307	Pettus Office Products	\$ 352.48	Ink Cartridges, Batteries, Comp Books, Bowls - CS&E and Admin
43308	Post Oak Acres	\$ 27.38	Dirt - Repair Ward 5
43309	Powers Truck & Equipment	\$ 2,699.59	Repair 555D5 Ford Backhoe
43310	Purvis Industries	\$ 730.79	Gearbox for Maumelle Plant Clarifier
43311	S&W Chemical Sales	\$ 994.09	Nitrile Gloves - 6 Cases - Operations
43312	Star Bolt & Screw	\$ 11.94	Socket Set Cup Stainless Steel - TV Camera
43313	T&T Equipment	\$ 119.36	50' Pressure Hose for Car Wash
43314	Terminix	\$ 114.98	Monthly Pest Service
43315	Undercar	\$ 516.84	Unit #127 - Brake Shoes, Pads, Rear Wheel Cylinders, Master Cylinder
43316	USA Bluebook	\$ 1,215.31	Ammonia Buffer & Standard, Buffer Water, Fecal Coli Broth - Lab
43317	Verizon Wireless	\$ 1,490.98	Monthly Cell Phone Use
43318	Waste Management	\$ 11,241.13	Bio-Solids Removal - Maumelle for 1/1-1/15 and Monthly Dumpster Service for Faulkner, Maumelle, White Oak, VacCons, Shillcutt, 5-Mi,
43319	Windstream Communications	\$ 890.15	Monthly Maumelle Internet & Phone
43320	VOID CHECK	\$ -	CHECK ALIGNMENT
43321	Light Bulb Shoppe	\$ 37.50	Microscope Light Bulbs
43322	AFLAC	\$ 2,186.90	Employee Deductions - Supplemental Insurance
43323	American Composting, Inc.	\$ 428.94	Grease Hauling FLTP
43324	American Van Equipment, Inc.	\$ 88.01	4 Pocket Book Rack Unit#104
43325	Arkansas Aggregates, Inc.	\$ 1,802.74	Gravel Delivered to FLTP
43326	Arkansas Democrat Gazette	\$ 240.00	Subscription 1-Year Admin
43327	AT&T	\$ 3.80	Final Bill Disconnected Land Lines White Oak, 5-Mi, Gate
43328	AT&T	\$ 704.83	Data Communications between Baucum Pike, City Services & CAW
43329	AutomationDirect.com, Inc.	\$ 480.00	SCADA Components Faulkner Lake

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43330	BCS, Inc.	\$ 478.96	Replacement Motor Gate 3 FL
43331	Cabot Florist, Inc.	\$ 244.60	Flowers for Employee Death & Employee Stepfather Death
43332	Capitol Equipment	\$ 365.89	Replace Teeth on Trackhoe KX80-4
43333	Core & Main, LP	\$ 707.52	Fast Plugs, 90-Degree Bend - Repairs Ward 1
43334	Cummins Mid-South LLC	\$ 1,719.16	Faulkner Lake Gen Set Full Service #1 and #2
43335	Darrell R. Sansom	\$ 3,000.00	Computer Network Consulting - January 2018
43336	Digi-Key Electronics	\$ 632.26	SCADA System Parts FL & 5-Mi
43337	Ecotech Enterprises, Inc.	\$ 619.10	Sodium Hydroxide Solution - FL
43338	Entergy	\$ 36,473.55	Electric Bills: Austin Lakes, 5-Mi - Gate, Influent, #1, North, South, Trammel Estates, Rixie/Hwy161, Chapel Ridge, Midstate, McAlmont, Frontier Dr., Eureka Gardens/46th St, Eureka Gardens/Judy, Eureka Gardens Rd, Quapaw, Marche'
43339	Environmental Technical (Evoqua)	\$ 11,059.13	40 HP Motor Module for 5-Mi Primary Lagoons
43340	Express Oil Change Central	\$ 45.44	Full Service Oil Change Unit#80
43341	EZAutomation	\$ 68.00	White Oak SCADA - Input Module
43342	Gravel Ridge Sewer District	\$ 16,811.72	Billed Accounts- Dec. Cycle 9 Collections
43343	Henard Utility Products	\$ 527.48	Cable Assemblys and Freight TV#2
43344	Hum's Rental	\$ 2,874.38	Trackhoe with Breaker Three Week Rental - Ward 1 Repair
43345	Industrial Electronic Supply	\$ 410.63	3-Phase Voltage Monitors - Maumelle Valley PS, Harris Industrial PS & Truck Stock
43346	Jack Tyler Engineering Co.	\$ 127.37	Float Weights for Pump Stations
43347	Jimmy Don Waddles Hauling, Inc.	\$ 4,370.00	Biosolids Hauling Maumelle to Two Pines 19 Loads 1/23/18 - 1/29/18
43348	Joe's Garage & Wrecker Service	\$ 153.73	Tire Patch, Oil Change Unit #116; Oil Change Unit#94
43349	Keeling Company	\$ 242.04	Repairs to White Oak Chlorine Piping (PVC, Ball Valves, Elbows)
43350	L & L Municipal	\$ 1,016.17	Winter Gloves-All CS Crews, Manhole Hooks, Duct Tape, Work Gloves
43351	North Little Rock Electric	\$ 305.78	Electric Bills: 3812B Nona, FL Admin
43352	Northside Sales	\$ 210.76	Calibration Gas for FL Belt Press and Ear Plugs
43353	O'Reilly Automotive Stores	\$ 129.78	Mobile Power Unit#119, Brake Fluid, Motor Oil, Unit#127, Headlight Capsule Unit#118, Grease 5-Mi
43354	Panera, LLC	\$ 112.84	Committee Lunches 1/9/18 Meeting
43355	Coop's Plumbing Service	\$ 45.00	Refund of Permit Fee (3' Repair, no permit required)
43356	Peterson Concrete Septic Tank	\$ 456.88	Concrete Sealant, Precast Ring, Riser, Concrete MH Cone - Repairs Wards 1 & 5
43357	Pettus Office Products	\$ 519.03	Ink Cartridges, Paper Supplies, Kitchen Supplies, Adding Machine Tape, Pencils, Tabs, Binders (Admin, Lab, Pretreatment)
43358	Petty Cash	\$ 421.73	Winch, Cleaning Supplies, Memo Books, Valve, Kitchen Supplies, Bearing Grease, Heater, Hose Mender, Shop Vac Cartridge Filter, Drill Bits, Clip Boards
43359	Petty Cash - Billing	\$ 116.92	Postage Stamps

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
43360	Post Oak Acres	\$ 54.76	Dirt - Repairs Ward 1
43361	Sewer District #211	\$ 48,854.15	Billed Accounts, Dec. Cycle 9 Collections
43362	Sonny Fulmer Trucking	\$ 1,186.08	Gravel Hauling to 29th St
43363	Spa Chemicals, Inc.	\$ 766.40	Pop Up Towels, Hand Sanitizer, De-Icer, Lubricant, Tissue
43364	The Printer Doctor	\$ 98.10	Printer Repair, Replace Drum - Admin
43365	Turner Holdings, LLC	\$ 623.26	Collection Jugs & Caps - All Plants and Industries
43366	Web Lubrications Inc/Jiffy Lube	\$ 118.04	Oil Change Signature Service Unit #119
43367	Wholesale Electric Supply	\$ 168.76	Downstairs Lighting - Murphy Drive Pump Station
43368	Xylem Dewatering Solutions, Inc.	\$ 7,697.08	One Month Pump Rental Maumelle
	OPERATING ACCOUNTS PAYABLE	\$ 1,256,359.91	
	Operating Payroll - Period Ending 1/7/18	\$ 172,570.00	
	Operating Payroll - Period Ending 1/21/18	\$ 120,917.75	
	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	\$ -	Total Disbursements From Account
	TOTAL UTILITY CASH DISBURSEMENTS	\$ 1,858,336.38	

**NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
2016 CONSTRUCTION FUND
January 31, 2018**

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
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**NORTH LITTLE ROCK WASTEWATER
FUND TRANSFERS
January 31, 2018**

DATE	AMOUNT	TO	FROM	DESCRIPTION
1/3/2018	\$ 112,500.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 1/3/18
1/8/2018	\$ 172,600.00	Operating-Payroll	Sewer	Transfer for Pay Period Ended 1/7, Paid to Employees on 1/9
1/12/2018	\$ 363,000.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 1/8/18-1/12/18
1/18/2018	\$ 333,400.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 1/18/18
1/22/2018	\$ 120,900.00	Operating-Payroll	Sewer	Transfer for Pay Period Ended 1/21, Paid to Employees on 1/23
1/26/2018	\$ 297,700.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 1/22/18-1/26/18
1/31/2018	\$ 149,800.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 1/31/18
1/31/2018	\$ 41,666.67	Rehabilitation	Sewer	Required Monthly Transfer
1/31/2018	\$ 42,000.00	Sewer	Rehabilitation	Reimbursement for Previous Months Expenditures
				\$ 1,633,566.67

(3)

FINANCIAL STATEMENTS FOR JANUARY 2018

ACTION REQUESTED:

Approve the Financial Statements for January 2018.



North Little Rock Waste Water
Balance Sheet
Wednesday, January 31, 2018

ASSETS	
CURRENT ASSETS	
PETTY CASH	\$700.00
CASH IN BANK	\$3,290,345.73
CERTIFICATES OF DEPOSIT	\$4,744,901.35
ADFA HOLDING ACCOUNTS	\$928,969.12
ACCOUNTS RECEIVABLE	\$2,471,315.91
ACCRUED INTEREST RECEIVABLE	\$17,243.69
ON-SITE INVENTORY	\$32,890.59
PREPAID LIABILITY INSURANCE	\$103,581.50
PREPAID WORKERS COMPENSATION INSURANCE	\$97,494.83
OTHER PREPAID EXPENSES	\$38,278.11
TOTAL CURRENT ASSETS	<u>\$11,725,720.83</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	\$11,588,744.99
EST. VALUE OF OLD SEWER LINES	\$5,081,361.47
CONSTRUCTION IN PROGRESS	\$10,649,248.98
ACCUMULATED DEPRECIATION	(\$70,474,405.26)
TOTAL PROPERTY, PLANT & EQUIPMENT	<u>\$114,175,975.10</u>
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>\$127,399,250.13</u></u>

North Little Rock Waste Water
Balance Sheet
Wednesday, January 31, 2018

LIABILITIES	
CURRENT LIABILITIES	
ACCOUNTS PAYABLE	\$108,112.31
OWED TO OTHER DISTRICTS	\$91,205.85
FRANCHISE FEE PAYABLE	\$150,224.27
PAYABLE TO RIXIE	\$2,051.00
PAYABLE TO EUREKA GARDENS	\$3,650.40
ACCRUED SICK LEAVE	\$405,250.68
ACCRUED VACATION LEAVE	\$229,265.51
ACCRUED EMPLOYEE BENEFITS	(\$1,461.42)
ACCRUED INTEREST PAYABLE	\$327,264.99
ACCRUED PENSION PLAN CONTRIBUTION	\$62,758.34
TOTAL CURRENT LIABILITIES	<u>\$1,378,321.93</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	6,930,017.00
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>\$45,632,312.34</u>
EQUITY	
CONTRIBUTED CAPITAL	\$30,110,329.51
DONATED CAPITAL	\$17,727,878.80
RETAINED EARNINGS	\$32,108,220.79
CURRENT YEAR NET INCOME / (LOSS)	\$442,186.76
TOTAL EQUITY	<u>\$80,388,615.86</u>
TOTAL LIABILITIES & EQUITY	<u>\$127,399,250.13</u>

North Little Rock Waste Water
Income Statement

For the One Month Ending Wednesday, January 31, 2018

	YEAR TO DATE BUDGET	YEAR TO DATE 2018	YEAR TO DATE 2017
REVENUE			
OPERATING REVENUE			
INSIDE NLR SERVICE CHARGES	\$979,600.00	\$1,037,572.15	\$938,410.42
OUTSIDE NLR SERVICE CHARGES	\$219,000.00	\$230,224.64	\$208,321.48
MAUMELLE SERVICE CHARGES	\$214,900.00	\$228,373.55	\$205,602.33
SHERWOOD TREATMENT CHARGES	\$29,100.00	\$28,239.00	\$28,244.00
CUSTOMER SERVICE CHARGES	\$4,200.00	\$4,214.41	\$4,151.99
INDUSTRY REGULAR CHARGES	\$135,400.00	\$150,567.12	\$98,555.51
INDUSTRY SURCHARGE/PENALTY CHARGES	\$21,900.00	\$28,164.61	\$44,460.02
INDUSTRY LATE FEE CHARGES	\$800.00	\$1,078.90	\$881.86
LATE FEE CHARGES-RES. & COM.	\$27,400.00	\$24,250.88	\$28,601.96
TIE-ON FEE CHARGES	\$0.00	\$0.00	\$986.81
CONNECTION INSPECTION PERMITS	\$3,000.00	\$3,600.00	\$2,625.00
PARTIAL INSPECTION PERMITS	\$0.00	\$135.00	\$0.00
TAP & STREET CUTTING PERMITS	\$600.00	\$700.00	\$1,050.00
REVIEW PLANS & SPECIFICATIONS	\$400.00	\$2,105.00	\$0.00
TOTAL OPERATING REVENUE	<u>\$1,636,300.00</u>	<u>\$1,739,225.26</u>	<u>\$1,561,891.38</u>
NON OPERATING REVENUE			
INTEREST EARNED INCOME-SECURITIES	\$3,200.00	\$3,620.38	\$849.27
INTEREST EARNED INCOME-CHECKING	\$300.00	\$684.00	\$341.50
INTEREST EARNED INCOME-NOTES	\$400.00	\$448.58	\$448.58
DISCOUNTS EARNED	\$0.00	\$21.41	\$54.19
MISCELLANEOUS INCOME	\$0.00	\$0.00	\$3,885.00
TOTAL NON-OPERATING REVENUE	<u>\$3,900.00</u>	<u>\$4,774.37</u>	<u>\$5,578.54</u>
TOTAL REVENUE	<u>\$1,640,200.00</u>	<u>\$1,743,999.63</u>	<u>\$1,567,469.92</u>

North Little Rock Waste Water
Income Statement

For the One Month Ending Wednesday, January 31, 2018

	YEAR TO DATE BUDGET	YEAR TO DATE 2018	YEAR TO DATE 2017
OPERATING EXPENSES			
WALKING CREW	\$5,000.00	\$1,356.23	\$0.00
TROUBLE CREW	\$8,100.00	\$6,754.33	\$9,544.22
MANHOLE CREW	\$9,600.00	\$5,493.30	\$3,336.00
POWER DRIVE CREW	\$7,700.00	\$3,777.91	\$4,480.99
TELEVISION CREW #1	\$10,000.00	\$7,546.78	\$8,266.88
TELEVISION CREW #2	\$9,400.00	\$15,490.92	\$6,857.54
COLLECTION SYSTEMS-GENERAL	\$102,600.00	\$151,539.18	\$89,999.03
REPAIR CREW #1	\$15,300.00	\$26,735.99	\$9,316.76
REPAIR CREW #2	\$15,500.00	\$12,051.67	\$13,801.88
REPAIR CREW #3	\$16,100.00	\$11,235.60	\$10,622.31
REPAIR CREW #4	\$13,500.00	\$8,124.51	\$9,299.46
POWER RODDING CREW #1	\$5,600.00	\$1,939.06	\$1,700.75
VAC-CON CREW #1	\$14,400.00	\$12,042.36	\$10,607.63
VAC-CON CREW #2	\$8,900.00	\$3,350.65	\$4,326.90
VAC-CON CREW #3	\$7,600.00	\$3,802.61	\$9,146.37
VAC-CON CREW #4	\$0.00	\$271.34	\$671.20
VAC-CON CREW #5	\$13,200.00	\$10,217.68	\$5,028.16
SURVEY CREW	\$4,700.00	\$0.00	\$3,312.60
LOCATION WORK	\$3,400.00	\$2,976.47	\$2,978.28
ENGINEERING OFFICE	\$23,700.00	\$14,231.98	\$11,935.08
ENGINEERING-SSES	\$0.00	\$0.00	\$518.55
GENERAL ENGINEERING DEPT.	\$26,200.00	\$12,162.53	\$18,218.48
PRETREATMENT DEPARTMENT	\$20,500.00	\$16,005.60	\$13,063.79
TREATMENT DEPARTMENT	\$399,200.00	\$347,968.51	\$302,265.43
PUMP STATION DEPARTMENT	\$51,300.00	\$43,191.69	\$34,282.71
BILLING DEPARTMENT	\$60,600.00	\$53,913.08	\$49,142.06
ADMINISTRATIVE	\$82,200.00	\$74,184.37	\$60,784.41
(GAIN) LOSS ON PROPERTY DISPOSALS	\$0.00	\$0.00	\$1,989.23
DEPRECIATION EXPENSE-NON VEHICLE	\$340,600.00	\$311,566.20	\$322,706.75
PENSION EXPENSE	\$63,700.00	\$62,758.34	\$58,775.00
TOTAL OPERATING EXPENSES	\$1,338,600.00	\$1,220,688.89	\$1,076,978.45
NON-OPERATING EXPENSES			
INTEREST ON DEBT-ALL BONDS	\$81,000.00	\$81,123.98	\$75,495.98
TOTAL NON-OPERATING EXPENSES	\$81,000.00	\$81,123.98	\$75,495.98
TOTAL EXPENSES	\$1,419,600.00	\$1,301,812.87	\$1,152,474.43
NET INCOME (LOSS)	\$220,600.00	\$442,186.76	\$414,995.49

North Little Rock Waste Water
Income Statement

For the One Month Ending Wednesday, January 31, 2018

	JANUARY 2018	YEAR TO DATE 2018	JANUARY 2017	YEAR TO DATE 2017
REVENUE				
OPERATING REVENUE				
INSIDE NLR SERVICE CHARGES	\$1,037,572.15	\$1,037,572.15	\$938,410.42	\$938,410.42
OUTSIDE NLR SERVICE CHARGES	\$230,224.64	\$230,224.64	\$208,321.48	\$208,321.48
MAUMELLE SERVICE CHARGES	\$228,373.55	\$228,373.55	\$205,602.33	\$205,602.33
SHERWOOD TREATMENT CHARGES	\$28,239.00	\$28,239.00	\$28,244.00	\$28,244.00
CUSTOMER SERVICE CHARGES	\$4,214.41	\$4,214.41	\$4,151.99	\$4,151.99
INDUSTRY REGULAR CHARGES	\$150,567.12	\$150,567.12	\$98,555.51	\$98,555.51
INDUSTRY SURCHARGE/PENALTY CHARGES	\$28,164.61	\$28,164.61	\$44,460.02	\$44,460.02
INDUSTRY LATE FEE CHARGES	\$1,078.90	\$1,078.90	\$881.86	\$881.86
LATE FEE CHARGES-RES. & COM.	\$24,250.88	\$24,250.88	\$28,601.96	\$28,601.96
TIE-ON FEE CHARGES	\$0.00	\$0.00	\$986.81	\$986.81
CONNECTION INSPECTION PERMITS	\$3,600.00	\$3,600.00	\$2,625.00	\$2,625.00
PARTIAL INSPECTION PERMITS	\$135.00	\$135.00	\$0.00	\$0.00
TAP & STREET CUTTING PERMITS	\$700.00	\$700.00	\$1,050.00	\$1,050.00
REVIEW PLANS & SPECIFICATIONS	\$2,105.00	\$2,105.00	\$0.00	\$0.00
TOTAL OPERATING REVENUE	\$1,739,225.26	\$1,739,225.26	\$1,561,891.38	\$1,561,891.38
NON OPERATING REVENUE				
INTEREST EARNED INCOME-SECURITIES	\$3,620.38	\$3,620.38	\$849.27	\$849.27
INTEREST EARNED INCOME-CHECKING	\$684.00	\$684.00	\$341.50	\$341.50
INTEREST EARNED INCOME-NOTES	\$448.58	\$448.58	\$448.58	\$448.58
DISCOUNTS EARNED	\$21.41	\$21.41	\$54.19	\$54.19
MISCELLANEOUS INCOME	\$0.00	\$0.00	\$3,885.00	\$3,885.00
TOTAL NON-OPERATING REVENUE	\$4,774.37	\$4,774.37	\$5,578.54	\$5,578.54
TOTAL REVENUE	\$1,743,999.63	\$1,743,999.63	\$1,567,469.92	\$1,567,469.92

North Little Rock Waste Water
Income Statement
For the One Month Ending Wednesday, January 31, 2018

	JANUARY 2018	YEAR TO DATE 2018	JANUARY 2017	YEAR TO DATE 2017
OPERATING EXPENSES				
WALKING CREW	\$1,356.23	\$1,356.23	\$0.00	\$0.00
TROUBLE CREW	\$6,754.33	\$6,754.33	\$9,544.22	\$9,544.22
MANHOLE CREW	\$5,493.30	\$5,493.30	\$3,336.00	\$3,336.00
POWER DRIVE CREW	\$3,777.91	\$3,777.91	\$4,480.99	\$4,480.99
TELEVISION CREW #1	\$7,546.78	\$7,546.78	\$8,266.88	\$8,266.88
TELEVISION CREW #2	\$15,490.92	\$15,490.92	\$6,857.54	\$6,857.54
COLLECTION SYSTEMS-GENERAL	\$151,539.18	\$151,539.18	\$89,999.03	\$89,999.03
REPAIR CREW #1	\$26,735.99	\$26,735.99	\$9,316.76	\$9,316.76
REPAIR CREW #2	\$12,051.67	\$12,051.67	\$13,801.88	\$13,801.88
REPAIR CREW #3	\$11,235.60	\$11,235.60	\$10,622.31	\$10,622.31
REPAIR CREW #4	\$8,124.51	\$8,124.51	\$9,299.46	\$9,299.46
POWER RODDING CREW #1	\$1,939.06	\$1,939.06	\$1,700.75	\$1,700.75
VAC-CON CREW #1	\$12,042.36	\$12,042.36	\$10,607.63	\$10,607.63
VAC-CON CREW #2	\$3,350.65	\$3,350.65	\$4,326.90	\$4,326.90
VAC-CON CREW #3	\$3,802.61	\$3,802.61	\$9,146.37	\$9,146.37
VAC-CON CREW #4	\$271.34	\$271.34	\$671.20	\$671.20
VAC-CON CREW #5	\$10,217.68	\$10,217.68	\$5,028.16	\$5,028.16
SURVEY CREW	\$0.00	\$0.00	\$3,312.60	\$3,312.60
LOCATION WORK	\$2,976.47	\$2,976.47	\$2,978.28	\$2,978.28
ENGINEERING OFFICE	\$14,231.98	\$14,231.98	\$11,935.08	\$11,935.08
ENGINEERING-SSES	\$0.00	\$0.00	\$518.55	\$518.55
GENERAL ENGINEERING DEPT.	\$12,162.53	\$12,162.53	\$18,218.48	\$18,218.48
PRETREATMENT DEPARTMENT	\$16,005.60	\$16,005.60	\$13,063.79	\$13,063.79
TREATMENT DEPARTMENT	\$347,968.51	\$347,968.51	\$302,265.43	\$302,265.43
PUMP STATION DEPARTMENT	\$43,191.69	\$43,191.69	\$34,282.71	\$34,282.71
BILLING DEPARTMENT	\$53,913.08	\$53,913.08	\$49,142.06	\$49,142.06
ADMINISTRATIVE	\$74,184.37	\$74,184.37	\$60,784.41	\$60,784.41
(GAIN) LOSS ON PROPERTY DISPOSALS	\$0.00	\$0.00	\$1,989.23	\$1,989.23
DEPRECIATION EXPENSE-NON VEHICLE	\$311,566.20	\$311,566.20	\$322,706.75	\$322,706.75
PENSION EXPENSE	\$62,758.34	\$62,758.34	\$58,775.00	\$58,775.00
TOTAL OPERATING EXPENSES	<u>\$1,220,688.89</u>	<u>\$1,220,688.89</u>	<u>\$1,076,978.45</u>	<u>\$1,076,978.45</u>
NON-OPERATING EXPENSES				
INTEREST ON DEBT-ALL BONDS	\$81,123.98	\$81,123.98	\$75,495.98	\$75,495.98
TOTAL NON-OPERATING EXPENSES	<u>\$81,123.98</u>	<u>\$81,123.98</u>	<u>\$75,495.98</u>	<u>\$75,495.98</u>
TOTAL EXPENSES	<u>\$1,301,812.87</u>	<u>\$1,301,812.87</u>	<u>\$1,152,474.43</u>	<u>\$1,152,474.43</u>
NET INCOME (LOSS)	<u>\$442,186.76</u>	<u>\$442,186.76</u>	<u>\$414,995.49</u>	<u>\$414,995.49</u>

North Little Rock Waste Water
Income Statement
For the One Month Ending

	JANUARY 2018	JANUARY 2017	JANUARY 2016	JANUARY 2015	JANUARY 2014	JANUARY 2013
REVENUE						
OPERATING REVENUE						
INSIDE NLR SERVICE CHARGES	\$1,037,572.15	\$938,410.42	\$857,720.67	\$887,084.65	\$826,403.70	\$726,102.01
OUTSIDE NLR SERVICE CHARGES	\$230,224.64	\$208,321.48	\$187,293.08	\$191,360.22	\$176,000.60	\$153,816.44
MAUMELLE SERVICE CHARGES	\$228,373.55	\$205,602.33	\$0.00	\$0.00	\$0.00	\$0.00
SHERWOOD TREATMENT CHARGES	\$28,239.00	\$28,244.00	\$40,994.00	\$28,109.00	\$28,011.00	\$27,796.00
CUSTOMER SERVICE CHARGES	\$4,214.41	\$4,151.99	\$4,196.38	\$4,096.76	\$4,037.13	\$3,945.47
INDUSTRY REGULAR CHARGES	\$150,567.12	\$98,555.51	\$86,824.92	\$70,248.36	\$75,682.72	\$69,891.25
INDUSTRY SURCHARGE/PENALTY CHARGES	\$28,164.61	\$44,460.02	\$2,330.96	\$2,917.34	\$13,554.30	\$14,743.97
INDUSTRY LATE FEE CHARGES	\$1,078.90	\$881.86	\$0.00	\$3,498.72	\$1,678.50	\$3,694.38
LATE FEE CHARGES-RES. & COM.	\$24,250.88	\$28,601.96	\$20,044.87	\$17,410.98	\$23,849.17	\$18,531.55
TIE-ON FEE CHARGES	\$0.00	\$986.81	\$0.00	\$243.00	\$0.00	\$231.00
CONNECTION INSPECTION PERMITS	\$3,600.00	\$2,625.00	\$970.00	\$2,065.00	\$2,580.00	\$2,195.00
PARTIAL INSPECTION PERMITS	\$135.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.00
TAP & STREET CUTTING PERMITS	\$700.00	\$1,050.00	\$700.00	\$700.00	\$1,050.00	\$700.00
REVIEW PLANS & SPECIFICATIONS	\$2,105.00	\$0.00	\$0.00	\$176.03	\$0.00	\$0.00
TOTAL OPERATING REVENUE	\$1,739,225.26	\$1,561,891.38	\$1,201,074.88	\$1,207,910.06	\$1,152,847.12	\$1,021,692.07
NON OPERATING REVENUE						
INTEREST EARNED INCOME-SECURITIES	\$3,620.38	\$849.27	\$1,207.18	\$1,177.23	\$859.65	\$1,218.85
INTEREST EARNED INCOME-CHECKING	\$684.00	\$341.50	\$487.28	\$245.74	\$92.25	\$207.95
INTEREST EARNED INCOME-NOTES	\$448.58	\$448.58	\$459.19	\$493.05	\$554.15	\$636.80
DISCOUNTS EARNED	\$21.41	\$54.19	\$29.09	\$4.13	\$7.23	\$4.04
MISCELLANEOUS INCOME	\$0.00	\$3,885.00	\$0.00	\$1,203.20	\$0.00	\$0.00
TOTAL NON-OPERATING REVENUE	\$4,774.37	\$5,578.54	\$2,182.74	\$3,123.35	\$1,513.28	\$2,067.64
TOTAL REVENUE	\$1,743,999.63	\$1,567,469.92	\$1,203,257.62	\$1,211,033.41	\$1,154,360.40	\$1,023,759.71

North Little Rock Waste Water
Income Statement
For the One Month Ending

	JANUARY 2018	JANUARY 2017	JANUARY 2016	JANUARY 2015	JANUARY 2014	JANUARY 2013
OPERATING EXPENSES						
WALKING CREW	\$1,356.23	\$0.00	\$0.00	\$1,632.06	\$0.00	\$0.00
TROUBLE CREW	\$6,754.33	\$9,544.22	\$10,507.60	\$7,906.25	\$10,557.92	\$11,283.56
MANHOLE CREW	\$5,493.30	\$3,336.00	\$3,326.07	\$9,785.92	\$5,723.36	\$1,651.84
POWER DRIVE CREW	\$3,777.91	\$4,480.99	\$513.42	\$5,462.41	\$7,475.52	\$7,325.85
TELEVISION CREW #1	\$7,546.78	\$8,266.88	\$6,730.15	\$7,686.02	\$5,421.25	\$2,344.33
TELEVISION CREW #2	\$15,490.92	\$6,857.54	\$6,977.42	\$7,094.15	\$5,454.70	\$7,912.59
COLLECTION SYSTEMS-GENERAL						
REPAIR CREW #1	\$151,539.18	\$89,989.03	\$86,092.98	\$83,541.98	\$70,050.24	\$59,878.36
REPAIR CREW #2	\$26,735.99	\$9,316.76	\$12,695.11	\$12,939.47	\$10,705.54	\$7,482.53
REPAIR CREW #3	\$12,051.67	\$13,801.88	\$11,226.09	\$8,677.13	\$7,963.27	\$8,813.65
REPAIR CREW #4	\$11,235.60	\$10,622.31	\$7,585.99	\$21,965.50	\$16,946.84	\$65,443.77
REPAIR CREW #5	\$8,124.51	\$9,299.46	\$0.00	\$0.00	\$0.00	\$0.00
POWER RODDING CREW #1	\$1,939.06	\$1,700.75	\$0.00	\$3,647.27	\$2,794.17	\$1,988.97
POWER RODDING CREW #2	\$0.00	\$0.00	\$0.00	\$1,739.93	\$2,870.25	\$1,337.31
VAC-CON CREW #1	\$12,042.36	\$10,607.63	\$8,700.95	\$12,314.16	\$11,149.37	\$12,691.92
VAC-CON CREW #2	\$3,350.65	\$4,326.90	\$9,630.24	\$11,415.34	\$10,441.14	\$9,934.10
VAC-CON CREW #3	\$3,802.61	\$9,146.37	\$9,849.92	\$11,303.39	\$9,766.51	\$9,699.92
VAC-CON CREW #4	\$271.34	\$671.20	\$440.24	\$706.89	\$0.00	\$0.00
VAC-CON CREW #5	\$10,217.68	\$5,028.16	\$9,074.83	\$0.00	\$0.00	\$0.00
SURVEY CREW	\$0.00	\$3,312.60	\$3,946.52	\$3,161.83	\$4,887.45	\$3,727.18
LOCATION WORK	\$2,976.47	\$2,978.28	\$2,556.77	\$2,942.57	\$3,820.00	\$3,626.31
ENGINEERING OFFICE	\$14,231.98	\$11,935.08	\$11,078.21	\$13,030.24	\$13,495.12	\$13,670.27
ENGINEERING-SSES	\$0.00	\$518.55	\$201.50	\$603.92	\$1,457.55	\$1,317.85
GENERAL ENGINEERING DEPT.	\$12,162.53	\$18,218.48	\$17,044.45	\$16,718.90	\$19,088.76	\$21,132.16
PRETREATMENT DEPARTMENT	\$16,005.60	\$13,063.79	\$12,683.57	\$13,851.25	\$14,487.30	\$15,747.16
TREATMENT DEPARTMENT	\$347,968.51	\$302,265.43	\$247,760.58	\$231,833.16	\$268,059.56	\$242,195.89
PUMP STATION DEPARTMENT	\$43,191.69	\$34,282.71	\$33,676.16	\$22,342.68	\$27,101.69	\$24,379.32
BILLING DEPARTMENT	\$53,913.08	\$49,142.06	\$42,227.01	\$41,259.39	\$40,663.89	\$40,069.67
ADMINISTRATIVE	\$74,184.37	\$60,784.41	\$68,153.64	\$58,711.18	\$64,357.78	\$67,058.06
(GAIN) LOSS ON PROPERTY DISPOSALS	\$0.00	\$1,989.23	\$0.00	\$0.00	\$0.00	\$0.00
DEPRECIATION EXPENSE-NON VEHICLE	\$311,566.20	\$322,706.75	\$232,906.46	\$220,952.88	\$186,894.86	\$187,428.34
PENSION EXPENSE	\$62,758.34	\$58,775.00	\$54,166.67	\$50,000.00	\$41,666.67	\$41,666.67
TOTAL OPERATING EXPENSES	\$1,220,688.89	\$1,076,978.45	\$909,752.55	\$883,225.87	\$863,300.71	\$869,807.58
NON-OPERATING EXPENSES						
INTEREST ON DEBT-ALL BONDS	\$81,123.98	\$75,495.98	\$72,222.64	\$64,770.26	\$46,848.23	\$52,236.87
BOND ISSUANCE COSTS-ALL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,681.21
TOTAL NON-OPERATING EXPENSES	\$81,123.98	\$75,495.98	\$72,222.64	\$64,770.26	\$46,848.23	\$53,918.08
TOTAL EXPENSES	\$1,301,812.87	\$1,152,474.43	\$981,975.19	\$947,996.13	\$910,148.94	\$923,725.66
NET INCOME (LOSS)	\$442,186.76	\$414,995.49	\$221,282.43	\$263,037.28	\$244,211.46	\$100,034.05

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

NET INCOME AS OF 1/31/18	\$	442,200
NET INCOME AS OF 1/31/17	\$	<u>415,000</u>
DIFFERENCE BETWEEN 2018 AND 2017	\$	<u><u>27,200</u></u>
INCREASE IN SERVICE CHARGES	\$	195,900 (1)
INCREASE IN LABOR	\$	(80,500) (2)
INCREASE IN UTILITIES	\$	(32,900) (3)
INCREASE IN SUPPLIES	\$	(20,100) (4)
INCREASE IN RENTAL	\$	(18,800) (5)
DECREASE IN INDUSTRY SURCHARGES	\$	(16,300) (6)
MISCELLANEOUS	\$	<u>(100)</u>
	\$	<u><u>27,200</u></u>

- (1) INCREASE IN AMOUNT BILLED DUE TO THE RATE CHANGE WHICH WAS EFFECTIVE WITH THE 2/1/17 BILLINGS
- (2) LABOR INCREASE DUE TO THE \$1,000 BONUS GIVEN EACH EMPLOYEE THE FIRST PAY PERIOD OF THE YEAR
- (3) USAGE IS HIGHER FOR BOTH FIVE MILE AND MAUMELLE PLANTS.
- (4) POLYMER WAS PURCHASED FOR FAULKNER AND MORE GRAVEL WAS PURCHASED FOR STOCK
- (5) RENTED A EXCAVATOR WITH BREAKER FOR REPAIR JOB AND A PUMP FOR MAUMELLE PLANT
- (6) THE V.A. HAD A MUCH LARGER SURCHARGE LAST YEAR

(4)

DIVERSION OF MAUMELLE WASTEWATER TO THE WHITE OAK BAYOU WTP

This item was tabled at the January 2018 meeting and involves the engineering services agreement with Crist Engineers, Inc. for design and construction phase engineering services for the Diversion of Maumelle Wastewater to the White Oak Bayou WTP.

Edits have been made to the engineering services agreement in accordance with directives from the Committee to the Engineer to engage Marlar Engineering Company, Inc. and to generally describe the Scope of Work that Marlar Engineering company, Inc. will be engaged to perform.

ACTION REQUESTED:

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



AGREEMENT

Between

THE NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE,

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 THE NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE (Owner) of the City of North Little Rock, Arkansas, and CRIST ENGINEERS, INC. (Engineer):

WITNESSETH THAT:

WHEREAS, The OWNER 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 the Owner 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 with Engineer also engaging Marlar Engineering Company to perform a portion of the services as outlined in Exhibit "A"; and,

NOW THEREFORE, The Owner 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 together with Marlar as outlined in Exhibit "A", 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 stakeholder's 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 Owner and appropriate State and local agencies from whom approval of the Project must be obtained.
- 1.7 Attend meetings with Owner 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 Owner.

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 Owner for approval and authorization of contract award.
- 2.2 Attend a preconstruction conference scheduled by Owner 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 Owner 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 Owner 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 Owner 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 Owner.
- 2.6 Attend, in company with Owner'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 Owner 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 Owner, issue all instructions to the contractor requested by Owner and will prepare necessary contract change orders for approval of Owner 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 Owner.
- 2.9 Provide Owner 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, including any services performed by Marlar or any other subcontractor or party engaged by Engineer, Owner 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 Owner 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 Owner 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, Owner 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 Owner, 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

<u>Classification</u>	<u>Rate</u>
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

Owner may terminate this Agreement at any time by notice in writing to Engineer. If this Agreement is terminated by Owner 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 Owner 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. Owner may make and retain copies for information and reference in connection with the use and occupancy of the Project by Owner and others; however, such documents are not intended or represented to be suitable for reuse by Owner 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 Owner's sole risk and without liability or legal exposure to Engineer or Engineer's consultants. Any such verification or adaptation will entitle Engineer to further compensation at rates to be agreed upon by Owner and Engineer.

- 6.4 Engineer shall be responsible for the technical accuracy of its services, data, and documents resulting therefrom and for the services of any other party performing any portion of the services described herein. Engineer shall correct such deficiencies without additional compensation, except to the extent that such action is directly attributable to deficiencies in information furnished by Owner.

- 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, Owner 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.

NORTH LITTLE ROCK WASTEWATER TREATMENT COMMITTEE

Attest:

(Name and Title)

(Name and Title)

CRIST ENGINEERS, INC.

Attest:

Les Price, Secretary-Treasurer

Stewart Noland, President

Exhibit 'A'

Item No.	Scope Item	Description	Firm Responsible
1.	Maumelle Influent Pump Station	Design modifications to the existing pump station to accommodate flows by installing, average and peak flow pumps, influent screens, electrical building, structural, and back-up generator	Crist Engineers
2.	Maumelle EQ Facility	Design modifications to existing EQ facility to accommodate peak flow event, site improvements, yard piping, drainback structures, liner, earthwork	Marlar
3.	Maumelle WWTP Facility	Plans and necessary improvements to decommission the WWTP and transition ownership to City of Maumelle (or others)	Marlar
4.	Maumelle Facility	Provide design improvements for all interconnecting yard piping, grading plans	Marlar
5.	Counts Massie Pump Station	Design modifications to the existing pump station to accommodate flows by installing, average and peak flow pumps, electrical, structural, and back-up generator	Crist Engineers
6.	Counts Massie Pump Station – Site Work	Provide site work improvements, grading plan	Marlar
7.	White Oak Bayou Influent Pump Station	Design modifications to the existing pump station to accommodate flows by installing, average and peak flow pumps, influent screens, electrical improvements, structural, and back-up generator	Crist Engineers
8.	Construction Administration	Crist and Marlar will review submittals/RFI's/change requests/orders for pertinent work item responsibility	Crist Engineers/Marlar
9.	Construction Observation	Crist will lead this effort with assistance from Marlar based upon the contractors approach to project execution.	Crist Engineers/Marlar

(5)

2017 END OF YEAR REPORT

Highlights of corrective actions required under Consent Administrative Order LIS No. 10-218 will be presented to the Committee.

ACTION REQUESTED:





NORTH LITTLE ROCK WASTE WATER UTILITY

February 6, 2018

Mr. Richard Healey
ADEQ Branch Manager, Water Division
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: CAO LIS No. 10-218

Dear Mr. Healey:

On December 29, 2010, The North Little Rock Waste Water Treatment Committee (NLRW) entered into a Consent Administrative Order (CAO) with the overall goal of eliminating sanitary sewer overflows (SSOs). The CAO contained requirements that can generally be summarized in four main tasks: Masterplan, Sewer System Evaluation Survey (SSES), Capital Improvements Plan (CIP) and Remedial Measures Plan. A voluntary civil penalty was also assessed and payment was completed in accordance with the required schedule.

A Masterplan was completed in August 2011 which included a "Capacity, Management, Operations and Maintenance Self-Assessment Report", "Treatment Facilities Evaluations", "Pumping Station Design and Equipment Condition Adequacy Evaluation", "Flow Monitoring concurrent with rainfall data collection", "Hydraulic Model", and "SSES Recommendations."

NLRW's geographical information system was used to subdivide the collection system into sewersheds, and historical SSO data was used to prioritize the SSES fieldwork. Total SSES fieldwork completed 2012 through 2017 includes:

Smoke Testing	2,068,347 LF
Manhole Inspections	8,366 Ea.
Dye Testing	328 Ea.

The NLRW has systematically worked through the CIP developed in the Masterplan 2011 adding projects as appropriate. Following is a summary of CIP projects and costs by category:

	<u>QUANTITY</u>	<u>CONSTRUCTION (\$)</u>
Treatment Plant Modifications	4 Ea.	\$11,620,966
In-situ Pipeline Rehabilitation	334,572 LF	\$25,900,961
Pump Station Modifications or Upgrades	6 Ea.	\$ 6,419,276
Miscellaneous Gravity Collection Improvements	13,719 LF	<u>\$ 4,796,835</u>
		\$48,738,038

Highlights of the Remedial Measures Plan are as follows:

<u>ACTIVITY</u>	<u>QUANTITY</u>
TV Crew Production increased 320%	483,594 LF/Yr.
Cleaning Crew Production increased 280%	2,041,119 LF/Yr.
Treatment Plant Generators Installed	7 Ea.
Pump Station Emergency Response Pump Connections	42 Ea.
Pump Station Generators Installed	28 Ea.
Pump Station SCADA Installations	68 Ea.
Public Education Presentations ("Maintain YOUR Drain")	5 to 8 /Yr.
Public Education Mailers ("Maintain YOUR Drain")	184,500/Yr.
Collection System Repairs Requiring Excavation	600 /Yr.
Manhole Rehabilitation (Interior repair and/or grout)	1,982 Manholes/Yr.

Implementation of remedial measures and capital improvements have resulted in a reduction in SSOs from 21.4 SSOs/100 miles in 2011 to 4.7 SSOs/100 miles of pipeline in 2017. Therefore, we respectfully request your consideration to terminate CAO LIS No. 10-218 based on the successful reduction of SSOs and on the corrective actions taken to fully comply with the CAO.

A copy of the "2017 End of Year Report" is attached for your review.

We are available to answer questions and/or make a presentation to ADEQ staff featuring details of the programs and corrective actions which have contributed to improvements in the NLRW collection and treatment systems.

Sincerely,



Marc E. Wilkins, PE, Director

(6)

White Oak Treatment Plant Lagoons 3 and 4 Influent Valve Project

The 2010 White Oak Treatment Plant Improvements Project included two 20" Lagoon Influent Flow Valves that are buried 16' deep. Both valves failed during the contractor's warranty period and were repaired. Both have now failed again. An unknown brand of valves was installed instead of the Mueller resilient wedge gate valves that staff had requested, and the Operation and Maintenance Manual does not contain any documentation of these valves. Additionally, there are not any cast marks on the valves that staff can find to identify their origin.

Only two suppliers are authorized to sell Mueller valves in Arkansas, and staff requested quotes from both. Consolidated Pipe & Supply Co., Inc. of North Little submitted the low quote in the amount of \$25,184.00.

The replacement will be performed with in-house resources during the period when the lagoons are dewatered for the 2018 White Oak Biosolids removal project.

The 2018 Budget includes \$60,000 for this item.

Action Requested:

Authorize staff to purchase replacement valves and related hardware from Consolidated Pipe & Supply in the amount of \$25,184.00.



(7)

SSES 2018 Engineering Services Agreement

In December 2015, the Committee authorized a contract with RJN, Inc. to conduct SSES fieldwork, engineering analysis and reporting. The contract was for one year with an option to renew on an annual basis for 2 additional years.

The 2018 SSES scope of work includes approximately 2,093 manholes and 438,100 linear feet of gravity pipelines in the western portions of the White Oak basin, northern Maumelle and Morgan areas.

The projected cost of the 2018 SSES is \$710,852.65. This work will be paid for with general revenues and is included in the 2018 Budget in the amount of \$700,000.

ACTION REQUESTED:

Authorize staff to elect the option to extend the December 2015 agreement with RJN, Inc. to include the 2018 SSES scope of services in the amount of \$710,852.65.



January 5, 2018

Mr. Marc Wilkins, PE
 Director
 North Little Rock Wastewater Utility
 7400 Baucum Pike
 North Little Rock, AR 72117

Subject: 2018 Sanitary Sewer Evaluation Study

Dear Mr. Wilkins:

Please find the cost proposal for the 2018 study area. There are 2,093 manholes and 438,100 linear feet of sanitary sewer pipe located in the study areas. These areas will make up the 2018 study area.

The field work for the 2018 SSES is scheduled to begin as soon the NTP is issued and should be completed before the end of the year. The results of this study will be included in the 2018 SSES Report.

The proposed study quantities and related costs are as noted:

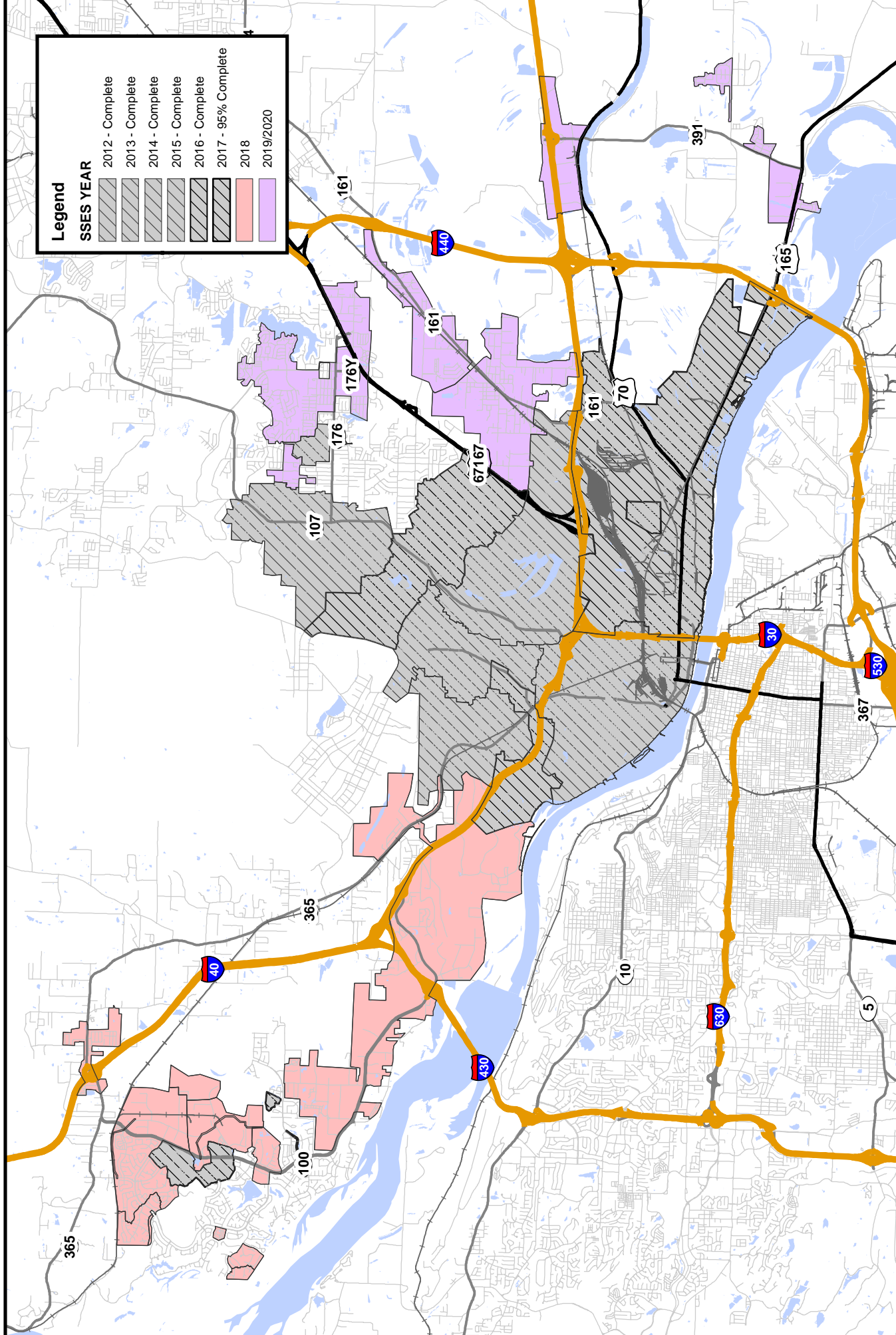
2018 SSES				
Project Admin.	1	LS	\$41,807.00	\$41,807.00
Public Relations	1	LS	\$25,692.00	\$25,692.00
Flow Monitoring Analysis	1	LS	\$20,292.00	\$20,292.00
Manhole Inspection	2093	EA.	\$116.25	\$243,311.25
Smoke Testing (street)	282,600	LF.	\$0.39	\$110,214.00
Smoke Testing (off street)	155,500	LF.	\$0.51	\$79,305.00
Dyed Water Flooding	45	EA.	\$449.12	\$20,210.40
TV Data Review	90,000	LF.	\$0.39	\$35,100.00
Pump Station Evaluation	1	LS	\$10,098.00	\$10,098.00
Data Management	1	LS	\$57,460.00	\$57,460.00
Data Analysis / Reporting	1	LS	\$67,363.00	\$67,363.00
Total:				\$710,852.65

We appreciate your consideration of our services and look forward to continuing to serve your sewer evaluation needs.

Sincerely,



Mac Compton, PE
Project Manager
RJN Group, Inc.



The data contained herein was compiled from various sources for the sale 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 at the sole discretion of the North Little Rock Waste Water Utility and the City of North Little Rock, Arkansas is prohibited. The City of North Little Rock, Arkansas and the City of North Little Rock Waste Water Utility and the City of North Little Rock, Arkansas, including any and all successors, agents, employees, officers, directors, or use of this data is done without any expressed or implied warranties.

North Little Rock Wastewater SSES Schedule



EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

RJN Group, Inc.'s responsibilities include field services, analysis, reporting and assistance to the City of North Little Rock Arkansas for a multi-year I/I reduction and SSO elimination program. The Phase V portion of the project includes approximately 438,100 linear feet and 2,093 manholes of sewer within the priority areas. The Project Area is shown on Exhibit 1. The scope of services for the project are described in the following sections:

I) Project Administration and Management:

A) Project Administration:

Prepare final schedule of work activities.

Meet with City staff on a periodic basis to update previous investigative work, to coordinate upcoming work, and to receive any input from staff. Meetings will be held at significant project milestones with written documentation of each meeting provided. A total of five (5) meetings are included in the cost estimate.

Perform general consultation with appointed City representative on an as-needed basis. Provide general overview opportunities for CITY personnel for observing regularly scheduled field inspection and testing activities.

Perform ENGINEER's internal project control procedures on a monthly basis including schedule and budget control, quality control review, and monthly progress reports.

B) Data Management

Collect and review existing information including maps, flow records, and other pertinent information. CITY will provide ArcView shape files of the wastewater system. ENGINEER shall prepare preliminary field maps for project use from existing CITY shape files.

Update the maps as differences are found during the field investigations and provide them to the CITY. Updates shall include new lines, manholes and cleanouts.

Data shall be recorded by field crews on Engineer's electronic forms for each specified activity. All field inspection data shall be entered into a computerized data management system from which rehabilitation recommendations shall be made.

All field inspection data and photos will be provided in digital format to the CITY.

EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

C) Public Relations:

ENGINEER will prepare and deliver notices necessary for the performance of smoke testing. Every reasonable effort will be made to distribute notices three (3) days prior to smoke testing; however, CITY will allow the ENGINEER to distribute notices up to a minimum of one day in advance of smoke testing.

ENGINEER may distribute notices up to a maximum of ten (10) days prior to smoke testing. If conditions do not allow smoke testing to be performed during this period, ENGINEER will redistribute notices. If redistribution of smoke notices is required, testing may be performed within one (1) day of noticing.

II) **Flow Monitoring**

A) Hydraulic Analysis:

It is the intent of the City to conduct flow and rainfall monitoring and have the ENGINEER analyze the data. It is assumed that five (5) depth-velocity flow meters and 3 continuously recording rain gauges shall be installed and maintained by the CITY for a sixty (60) day period in the study area.

The ENGINEER shall make recommendations for the locations to install the meters and rain gauges. The following tasks will be performed by the ENGINEER for this task:

- (a) Delineate wastewater drainage sub-basins and identify candidate flow monitoring locations.
- (b) Perform field investigations to determine suitability of monitoring locations. Submit flow monitoring site reports to the CITY prior to installation.
- (c) Analyze flow data for sub-drainage basins and develop average daily dry weather flow diurnal curves and base flow peaking factors.
- (d) Develop hydrographs for dry and wet weather flow conditions.
- (e) Determine peak inflow rate for selected rainfall events and determine corresponding rainfall intensity for areas tributary to all flow monitoring locations.
- (f) Establish the relationship between peak inflow and rainfall intensity (Q vs I) for each area tributary to a monitoring location.
- (g) Determine peak infiltration rates during high groundwater conditions, if possible.

EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

- (h) Develop a prioritized ranking of each monitored sub-basin based on infiltration rates and inflow rates.
- (i) Prepare a Technical Memorandum that summarizes the results of the flow monitoring activities.

III) Conditions Assessment

A) Manhole Inspection:

Utilizing industry standard safety procedures and appropriate traffic control, all subsurface manhole components will be inspected. The manhole rim to invert dimension will be recorded for all connecting lines. Manholes accessible by vehicle will be scanned, where applicable. All other manholes will be physically descended and visually inspected in the Study Area. All subsurface manhole components including the frame seal, walls, manhole bench and trough will be inspected. Potential maintenance problems are also recorded and provisions to repair the problems are included in the recommendations.

For the manholes scanned or requiring full descent, each of the incoming pipes will be inspected for signs of cracking, collapse, root intrusion, deposition, grease, offset joints, active infiltration, or other defects. Additional information such as pipe diameter and material will also be collected. Lines with observable structural defects will be earmarked as candidates for future television inspections. Pipe diameter measurements shall be rounded to the nearest industry standard pipe size.

Flow rates shall be estimated for major sources of I/I in each of the manholes inspected. Any major I/I sources or defects will be immediately reported to CITY. The recorded data includes the following:

- Location and identification number
- Potential for surface water ponding on manhole cover
- Cover type, fit, distance above or below grade, evidence of inflow
- Frame adjustment, type and condition of seal, evidence of inflow
- Corbel construction, condition, evidence of inflow
- Wall construction, condition, evidence in infiltration
- Bench/trough construction, condition, deposition, evidence of infiltration
- Pipe seal condition, evidence of infiltration
- Step and rung condition
- Inside diameter
- Surcharging or evidence of surcharging
- Indication of groundwater level at time of inspection
- Maintenance problems
- Line segment diameter and direction
- Line segment observations from the manhole (selected manholes)

EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

A data management/computer model will be used to process and analyze the inspection data.

ENGINEER shall notify CITY of manholes that are inaccessible, not found, buried, or believed to be non-existent.

B) Smoke Testing:

Smoke testing will be conducted using dual axial blowers. Smoke testing lengths shall be limited to two line segments between the upstream and downstream blower locations. Each 12-inch diameter and smaller segment shall be isolated by sandbagging. Smoke candles shall be used to generate smoke for the smoke testing. Smoke testing will be performed only during dry ground periods which are anticipated to be between June and October. Dry conditions in other months will be utilized for this activity as appropriate.

Flags shall be placed at observed smoke locations and digital images shall be captured. All defects identified by smoke testing shall be flagged and photographed. Smoke defect locations shall be recorded on sketches or by obtaining GPS coordinates. All private sector smoke defect images shall be entered into the field inspection database.

Main line defects and service lateral defects shall be carefully scrutinized to ensure that a conservative determination of public vs. private side defects is made. If necessary the line shall be earmarked for television inspection.

C) Dyed Water Flooding

Line segments requiring dye water testing will be identified on the basis of visual pipe and smoke test results. Prior to initiating dye water testing, a list of line segments recommended for dye water testing will be provided to the CITY for review and approval. The line segments on the list will be annotated as to the priority and reason for recommendation.

Dyed water flooding shall be conducted at selected locations prior to televised inspection to verify the existence of inflow and infiltration sources. The dye water will be induced into the line by flooding storm sewers and drainage ditches with sufficient time allowed for the source to activate.

ENGINEER shall prepare a letter report summarizing the justification and location of sewers to be TV inspected with concurrent dyed water flooding. CITY shall provide the TV inspections.

EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

D) Cleaning and TV Inspection

It is the intention of the CITY to conduct the cleaning and television inspection required to support this contract.

Upon completion of the visual pipe inspections and smoke testing by the Engineer, defective line segments will be prioritized and a recommendation for television inspection will be developed. Television inspections may be performed on line segments which show evidence of deterioration, either through visual pipe inspections or through smoke testing. Evidences of deterioration include active I/I, roots, offset joints, cracked or collapsed pipe, blockages, surcharging, or deterioration and damage as evidenced by smoke emission during smoke testing. Lines recommended for television inspection will be listed by priority along with justification for the recommendation, and presented to the CITY for review and discussion. Lines for which acceptable television data is on hand will be excluded from the list and will not be re-televised. Line segments that exhibit defects from smoke testing, and the existing TV data does not reveal defects, will be recommended to be re-televised.

All data shall be provided to the Engineer in digital format.

E) TV Video Review

The CITY will provide digital copies of closed circuit television (TV) inspection video and tabular inspection reports of the inspected wastewater collection system mains to the Engineer. The Engineer will review the video and tabular inspection data and will identify each defect within the inspected sewer lines.

F) Pump Station Evaluation

1. Conduct a manned entry of lift station to assess the station wet well and piping condition and develop costs for any recommended rehabilitation; and,
2. Perform pump draw down-testing data to confirm pumping capacities;
3. Estimate the remaining useful life of the station after rehabilitation.

G) Defect Analysis and Report:

At the conclusion of the field investigation services, an engineering analysis of field survey data shall be performed to develop recommendations for prioritizing I/I source repairs. A description of field investigations, engineering analysis, and recommended action to reduce

EXHIBIT A

SCOPE OF SERVICES 2018 SSES – YEAR 7

I/I will be included in the report. ENGINEER shall deliver a comprehensive rehabilitation and improvement strategy as coordinated with the CITY.

1. Develop rehabilitation and improvement costs for various types of infiltration/inflow defect repairs and sewer improvements for line and manhole improvement.
2. Perform priority analysis for infiltration rehabilitation plan based on applicable rehabilitation method, material, and costs.
3. Perform analysis for inflow rehabilitation plan based on applicable rehabilitation method, material and costs.
4. Develop recommendations for rehabilitation of both public and private I/I sources in priority order, cost estimates by individual rehabilitation type, and estimated I/I reduction as a result of the recommendations.
5. Provide the preliminary method of manhole rehabilitation for all manholes identified with defects. CITY will consult with RJN to establish a select number of rehab options for the various defects. The method of choice will be provided by RJN in the final report.
6. Prepare and submit three (3) copies of a draft report which includes results of the I/I investigations, findings, cost estimates, recommended plan to reduce I/I and a preliminary schedule of implementation for sewer rehabilitation (CIP Program recommendations). After comments are received, a final report will be prepared and submitted to CITY. ENGINEER will provide five (5) copies of the final report.

H) Project Deliverables:

The ENGINEER shall compile all findings, reports and field cataloging into a hard copy form and in digital format. The ENGINEER shall deliver all information pertaining to the investigation and final analysis of the SSES project.

All documentation and reports shall be delivered in Microsoft compatible format.

(8)

ANNUAL PAGis DUES

The annual dues payment for membership to the Pulaski Area Geographic Information System (PAGis) is due. The amount is \$39,705 and has been the same for the last seven (7) years. This item is included in the 2018 budget for \$40,900.

ACTION REQUESTED:

Authorize annual dues payment to PAGis in the amount of \$39,705.





Pulaski Area Geographic Information System
 221 East Capitol Ave., 4th Floor #417
 Little Rock, Arkansas 72202
 Phone: (501)377-1264 Fax: (501)210-4980
 Julie.Kent@pagis.org

RECEIVED
 JAN 8 2018
 NLR WASTEWATER

Invoice

Date	Invoice #
1/3/2018	1934

Bill To

Remit To:

North Little Rock Wastewater Utility
 P.O. Box 17898
 North Little Rock, Arkansas 72117

PAGIS
 221 East Capitol Avenue
 4th Floor, Room #417
 Little Rock, Arkansas 72202

Quan...	Item Code	Description	P.O. Number	Project
			Price Each	Amount
1	OD- NLRW...	2018 Operating Dues - NLRWWU	39,705.00	39,705.00
Rcv'd Acctg RECEIVED JAN - 8 2018 Sent to _____ PO# _____ Amt Verified _____				
			Total	\$39,705.00

Phone #
 501-377-1264

Web Site
www.pagis.org