TREATMENT DEPARTMENT STATUS REPORT
May, 2019

	BOD	TSS
Faulkner Lake	4.2 mg/L (30 Max.)	6.5 mg/L (30 Max.)
Maumelle	13.7 mg/L (30Max.)	11.8 mg/L (30 Max.)

	CBOD	TSS
Five Mile	13.9 mg/L (25 Max.)	18.1 mg/L (90 Max.)
White Oak	8.8 mg/L (25 Max.)	26.8 mg/L (90 max.)

Jaime Marrow
Office Assistant II

North Little Rock Wastewater Utility

2019 Year-To-Date Work Recap Report

Crews:	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Y T D
MANHOLE:													
Disconnects	0	0	0	0	0								0
Taps	0	0	1	1	3								5
Repairs	113	108	85	87	96								489
# of MH's Grouted	110	101	78	79	97								465
#of Coats	0	0	0	0	0								0
MH Depth (Ft/In)	0.0	0.0	0.0	0	0.0								0
# of Bags of Grout	0	0	0	0	0								0
POWER DRIVE:													
# of Ft Cleaned	7,941	9,447	3,176	1,960	5,283								27,807
PWR RODDER #1:													
# of Ft Cleaned	1,133	3,510	0	599	1,402								6,644
REPAIR #1:													
Repairs	5	1	5	6	5								22
New Manholes	1	1	0	0	1								3
New Lines	0	0	0	0	0								0
Disconnects	0	0	0	0	0								0
Taps	1	0	0	1	0								2
Miscellaneous	17	26	17	12	8								80
REPAIR #2:													
Repairs	8	5	7	10	3								33
New Manholes	1	0	1	0	0								2
New Lines	0	0	1	0	0								1
Disconnects	0	0	0	0	0								0
Taps	0	0	0	1	0								1
Miscellaneous	16	15	16	12	10								69
REPAIR #3:													
Repairs	6	4	7	6	6								29
New Manholes	0	0	1	0	0								1
New Lines	0	0	0	0	0								0
Disconnects	0	0	0	0	0								0
Taps	0	0	1	2	0								3
Miscellaneous	13	12	9	6	4								44
REPAIR #4:													
Repairs	3	2	3	9	0								17
New Manholes	0	0	0	2	0								2
New Lines	1	0	0	1	0								2
Disconnects	15	9	5	12	3								44
Taps	0	0	0	0	0								0
Miscellaneous	12	17	22	26	22								99
TROUBLE:													
# of Ft Cleaned	240	0	0	0	150								390
Stop-Ups	11	9	9	15	5								49
Private Lines	37	40	37	54	37								205
Cave-Ins	3	7	4	9	3								26
Flooded Houses	0	0	0	0	0								0
Miscellaneous	62	38	64	71	64								299
Total Calls	111	93	114	149	109								576
VACCON #1:													
# of Ft Cleaned	19,847	20,690	18,200	25,489	30,975								115,201
VACCON #2:													
# of Ft Cleaned	33,897	16,494	28,637	24,988	21,475								125,491
VACCON #3:													
# of Ft Cleaned	39,512	48,015	47,885	33,411	45,767								214,590
VACCON #4:													
# of Ft Cleaned	3,493	956	0	0	1,220								5,669
VACCON #5:													
# of Ft Cleaned	25,093	24,945	24,834	22,051	31,629								128,552
T V #1													
# of Ft	19,499	12,261	11,624	16,368	28,399								88,151
T V #2													
# of Ft	14,552	13,564	17,965	15,838	18,815								80,734

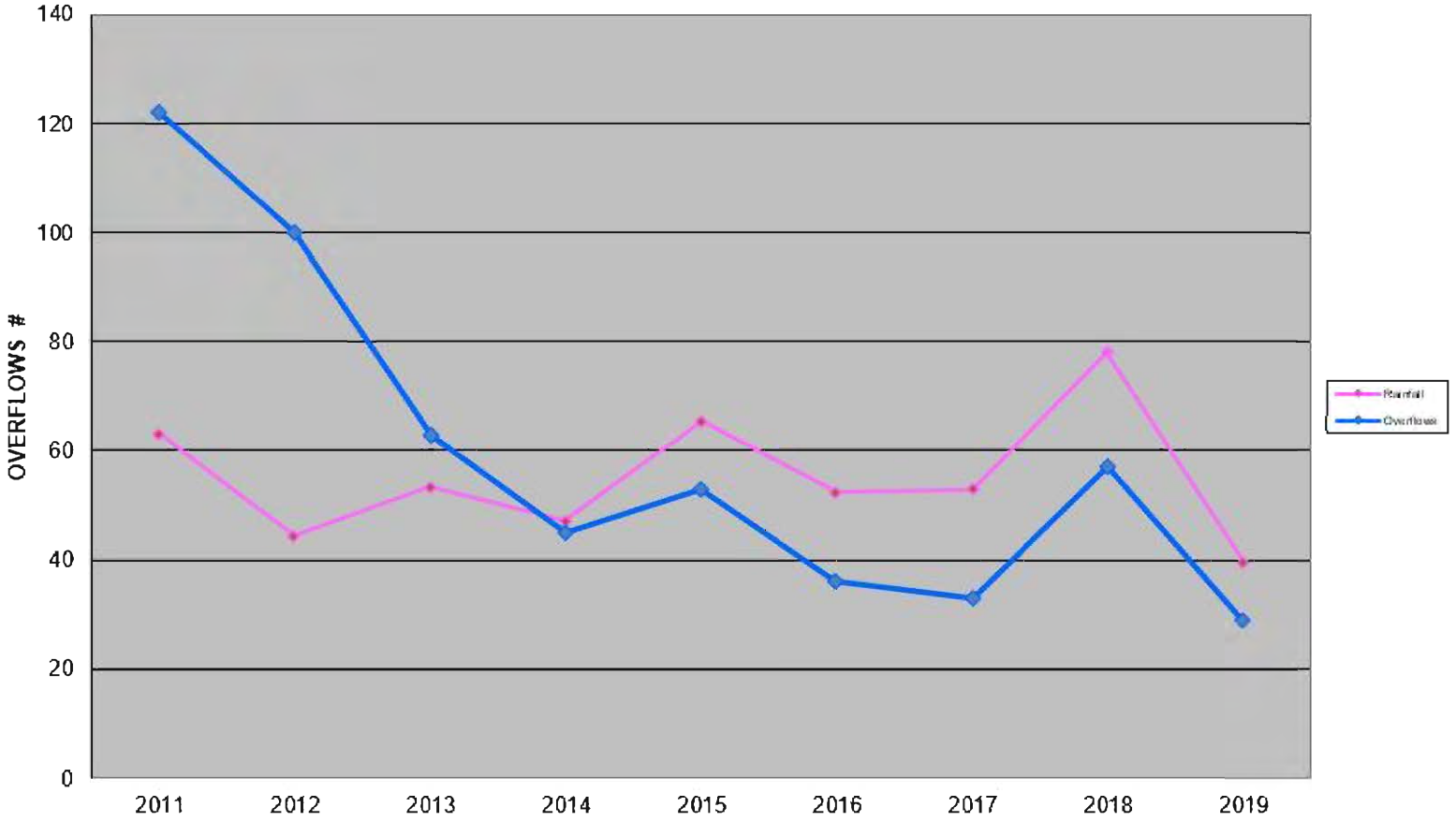
NLR Wastewater Utility
Maintenance & Repair Department
Work Recap by Ward
May-19

Crews:	Ward 0	Ward 1	Ward 2	Ward 3	Ward 4	Ward 5	Total
MANHOLE:							
Disconnects	0	0	0	0	0	0	0
Taps	0	1	0	0	1	1	3
Repairs	0	4	0	0	0	92	96
# of MH's Grouted	0	6	0	0	0	91	97
#of Coats	0	0	0	0	0	0	0
MH Depth (Ft/In)	0.0	0.0	0	0	0	0	0
# of Bags of Grout	0	0	0	0	0	0	0
POWER DRIVE:							
# of Ft Cleaned	0	0	0	4,656	0	627	5,283
PWR RODDER #1:							
# of Ft Cleaned	0	0	0	0	0	1,402	1,402
REPAIR #1:							
Repairs	1	0	3	1	0	0	5
New Manholes	0	1	0	0	0	0	1
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	2	1	2	0	2	1	8
REPAIR #2:							
Repairs	0	0	1	2	0	0	3
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	0	1	8	1	0	0	10
REPAIR #3:							
Repairs	0	3	3	0	0	0	6
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	0	0	0	0	0	0
Taps	0	0	0	0	0	0	0
Miscellaneous	1	0	1	1	1	0	4
REPAIR #4:							
Repairs	0	0	0	0	0	0	0
New Manholes	0	0	0	0	0	0	0
New Lines	0	0	0	0	0	0	0
Disconnects	0	1	2	0	0	0	3
Taps	0	0	0	0	0	0	0
Miscellaneous	0	2	20	0	0	0	22
TROUBLE:							
# of Ft Cleaned	0	150	0	0	0	0	150
Stop-Ups	0	2	1	2	0	0	5
Private Lines	3	10	12	5	4	3	37
Cave-Ins	0	0	3	0	0	0	3
Flooded Houses	0	0	0	0	0	0	0
Miscellaneous	4	21	28	5	3	3	64
Total Calls	7	33	44	12	7	6	109
VACCON #1:							
# of Ft Cleaned	0	641	2,205	297	10,001	17,831	30,975
VACCON #2:							
# of Ft Cleaned	0	15,346	1,678	4,451	0	0	21,475
VACCON #3:							
# of Ft Cleaned	0	26,476	19,291	0	0	0	45,767
VACCON #4:							
# of Ft Cleaned	0	0	0	1,015	0	205	1,220
VACCON #5:							
# of Ft Cleaned	184	16,935	1,423	11,055	1,817	215	31,629
T V #1							
# of Ft	0	2,865	1,617	2,401	7,844	13,672	28,399
T V #2							
# of Ft	0	10,958	2,112	2,854	2,891	0	18,815

North Little Rock Wastewater

North Little Rock, AR

Annual Overflows and Rainfall



Faulkner Lake Basin

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	69.5	42.5	58.5	56.3	61.8	77.5	41.5	76.5	45.46	62.8	54.2	70.07	61.6	55.1	74.4	40.6
Overflows	54	59	54	64	47	38	42	61	63	36	21	27	19	14	32	14

White Oak Basin

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	129.9	82.4	89	53.7	60.1	77	44.2	68.6	46.56	50.75	44	68.7	51.2	56.1	84.4	41.6
Overflows	11	26	33	37	32	35	32	45	25	13	9	21	9	5	9	9

Five Mile Creek Basin

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	62.3	42.6	53.2	48.8	55.9	70.4	35	60.4	41.15	52.4	46.6	66.5	49.5	48.7	81.5	37.2
Overflows	24	16	25	18	14	16	23	16	12	14	15	5	5	9	7	2

Maumelle Basin

	2016	2017	2018	2019
Rainfall	41.1	51.4	71.2	39.4
Overflows	4	5	9	4

Entire System

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Rainfall	57.79	37.83	49.78	49.05	51.93	79.61	42.04	62.98	44.42	53.45	47.15	65.36	52.37	52.83	77.9	39.7
Overflows	89	101	112	119	93	89	97	122	100	63	45	53	36	33	57	29

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:	June 11, 2019
TIME:	12:15 PM

(1) APPROVAL OF THE MINUTES OF THE MAY 14, 2019 MEETING

(2) CASH DISBURSEMENTS FOR MAY 2019

(3) FINANCIAL REPORT FOR MAY 2019

(4) COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM (CMMS)

(5) 2019 ARKANSAS RIVER FLOOD

(1)

NEW BUSINESS

ACTION REQUESTED:

Approval of the Minutes of the May 14, 2019 Committee Meeting

NORTH LITTLE ROCK
WASTEWATER TREATMENT COMMITTEE

MINUTES OF A MEETING HELD TUESDAY, MAY 14, 2019

A meeting of the North Little Rock Wastewater Treatment Committee was held on Tuesday, May 14, 2019 at the administrative offices located at the Faulkner Lake Treatment Plant.

The meeting was called to order by Chairman Matthews at approximately 12:10 p.m. Those in attendance at the meeting were Mr. K.W. Matthews, Mr. Sylvester Smith, Mr. Ed Nelson, Ms. Karen Bryant and Mr. Gabe Stephens, and in addition, 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. Michael Clayton, Mr. Lyle Leubner, Ms. Kris Ramon, Mr. Bill Halter and Ms. Carrie Kyhl with *Scenic Hill Solar LLC,* Mr. Dee Brown and Mr. Ben Rainwater with Brown Engineers, Mr. Ben Selig, with *entegrity, LLC*, Mr. Sam Hilburn and Mr. Mark Halter with Hilburn, Calhoon, Harper, Pruniski & Calhoun, Ltd. and Dawn Harmon.

First, the Committee reviewed the minutes of its April 9, 2019 meeting. There being no questions or comments, a motion was made by Mr. Smith, seconded by Ms. Bryant, to approve the minutes of the April 9, 2019 meeting. The motion carried unanimously.

Next, Brown Engineers presented their findings of the "Solar PV System Feasibility Assessment." Their findings were based on the assumption that the Utility would own the solar plant. At the conclusion of the presentation, the Committee gave *Scenic Hill Solar LLC* and *entegrity, LLC* an opportunity to respond to the findings presented by Brown Engineers and to present additional information re: their respective companies. After a lengthy discussion and several questions to both sides, a motion was made by Mr. Smith, seconded by Mr. Stephens, to select *Scenic Hill Solar LLC* as the energy services company for the staff to work with to conduct any necessary viability studies and negotiate the scope, conditions and costs for installation of a potential solar array. The motion carried unanimously. Additionally, a motion was made by Mr. Nelson, seconded by Mr. Stephens, to engage the services of Jason Carter as a consultant to assist the Hilburn Law Firm with any necessary energy contracts. The motion carried unanimously.

The Committee then reviewed the cash disbursements for the month of April 2019. After discussion of the new pump for Maumelle, a motion was made by Mr. Nelson, seconded by Mr. Stephens, to approve the cash disbursements for April 2019 reflecting total cash disbursements of $1,911,144.46 and fund transfers between accounts of $1,723,466.92. The motion carried unanimously.

Upon motion made by Mr. Nelson, seconded by Ms. Bryant, the Committee unanimously approved the Financial Statement for April 2019.

Mr. Wilkins then stated that the Collections Systems Department has requested to replace an existing manhole rehabilitation machine that is more than twenty (20) years old. The recommended replacement equipment is a Quadex Spray Master Manhole Lining Machine which can be purchased through the Purchasing Cooperative of America, "PCA," in the amount of $89,575.00. The PCA is an entity similar to the Houston-Galveston Area Council Cooperative which the NLRW joined in 2011. Ark. Code Ann. §19-11-206 allows the use of an external procurement organization to purchase items without bidding them separately. There is no cost to become a member of the PCA. The 2019 budget includes $93,000.00 for a replacement manhole grout machine. After further discussion, a motion was made by Ms. Bryant, seconded by Mr. Stephens, to authorize the staff to purchase a Quadex Spray Master Manhole Lining Machine from Purchasing Cooperative of America for $89,575.00. The motion carried unanimously.

Next, Mr. Wilkins informed the Committee that the Industrial Pretreatment Technicians currently utilize a 2014 Chevrolet Equinox as the primary route vehicle for required permit compliance sampling. This vehicle has more than 97,960 miles, and the maintenance cost as of March 31, 2019 is $2,559.60. The staff is requesting to reassign the 2014 Equinox and to purchase a 2019 Chevrolet Traverse from the State Contract in the amount of $24,389.00. A 2001 Ford Crown Victoria currently being used as a pool car will be sold. Replacement of the 2014 Chevrolet Equinox is included in the 2019 budget in the amount of $24,389.00. A motion was then made by Ms. Bryant, seconded by Mr. Nelson, to authorize the purchase of a 2019 Chevrolet Traverse from the State Contract to replace the current Pretreatment vehicle in the amount of $24,389.00. The motion carried unanimously.

The Engineering Department currently has a 2007 AWD Dodge Durango with 213,216 miles on it for use by the field technician. The cost of lifetime maintenance and repairs for the 2007 Dodge Durango is $7,111.65. A replacement vehicle, a 2019 4x2, ½ ton-extended cab, is listed on the State Contract in the amount of $18,606.00. This item is included in the 2019 budget in the amount of $25,000.00. Additionally, the 2007 Dodge Durango will be sold. A motion was then

made by Ms. Bryant, seconded by Mr. Nelson, to authorize the staff to purchase a 2019 4x2, ½ ton-extended cab from the State Contract in the amount of $18,608.00. The motion carried unanimously.

The Committee then discussed the South/Levy/Indian Hills Basins 2017 CIPP Rehabilitation Project Change Order #1, the Snake Hill Basin. This project is part of the Lakewood North Hills and North Little rock High School Interceptors CORRECTION ACTION PLAN. The staff has prepared documents for pipe bursting an additional 32 line segments for a total of 3,545 linear feet of 6, 8, 12 and 18-inch gravity sewer lines to be added to the existing contract for the South Levy/Indian Hills Basin 2017 Rehabilitation Project. Unit prices with the exception of the 18-inch CIPP were established by the existing contract. The estimated cost for this change order is $201,687.00, and an itemized breakdown of costs was attached to the Agenda. Funding for this project will be through the 2016 Revolving Loan Fund loan. After discussion and a review of the itemized breakdown of costs, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to authorize the staff to enter into a Change Order to the South Levy/Indian Hills Basins 2017 CIPP Rehabilitation Project in the amount of $201,687.00, contingent upon receiving authorization from the Arkansas Natural Resources Commission. The motion carried unanimously.

Next, Mr. Wilkins reminded the Committee that in February 2019, the Utility entered into a construction management agreement with CBM Construction Co., Inc., "CBM," for Replacement of Fire Damaged Buildings and an Addition to the Collection Systems Building. CBM has completed the Preconstruction Phase of work and has determined the "guaranteed maximum costs" for the scopes of work (attached separately) for "Fire Damaged Building Replacement" and "Collection Systems Building Addition and Renovation." The proposed construction times are fourteen (14) weeks for the "Replacement of the Fire Damaged Buildings and eight (8) months for the "Collection Systems Building Addition and Renovation." These projects will be funded with general revenues and reimbursements from insurance and will not exceed the maximum price. After further discussion, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to authorize the staff to execute a Change Order with CBM Construction Co., Inc., in the amounts set out in the Addendum for the "Fire Damaged Building Replacement" and to also execute a Change Order with CBM Construction Co., Inc., in the amounts set out in the Addendum for the "Collection Systems Building Addition and Renovation." The motion carried unanimously. Additionally, a separate motion was made by Mr. Nelson, seconded by Ms. Bryant, to give Mr. Wilkins authority to decide and make changes to the project as needed and report those back to the Committee. The motion carried unanimously.

Mr. Wilkins then reported to the Committee that due to the weather, there have been seven (7) cave-ins so far this year. The Utility is working to repair five (5) of the cave-ins. However, the remaining two (2) cave-ins are too difficult and require outside services for the repairs. The repair on Bethany Street is in an area with overhead electric, power poles and buried phone cables that the staff has requested assistance with (estimated repair cost is $38,500.00). The repair on Emily Street involves replacement of approximately 300 feet of 8" PVC and 14 feet of 6" PVC gravity sewers beneath the water table and one manhole (estimated repair cost is $60,000.00). Due to the exigency and the types of these two (2) repairs, Mr. Wilkins polled the Committee members to get authorization to hire Diamond Construction Co., Inc. After further discussion, a motion was made by Mr. Nelson, seconded by Ms. Bryant, to formally authorize the hiring of Diamond Construction Co., Inc. to make the emergency repairs. The motion carried unanimously.

There being no further action to come before the Committee, a motion was made by Mr. Nelson to adjourn the meeting. The motion carried unanimously, and the meeting was adjourned at approximately 1:31 p.m.

APPROVED AS TO FORM:

RESPECTFULLY SUBMITTED,

K. W. MATTHEWS, CHAIRMAN

SYLVESTER SMITH,
VICE-CHAIRMAN/SECRETARY

(2)

CASH DISBURSEMENTS FOR MAY 2019

ACTION REQUESTED:

Approval of the Cash Disbursements for May 2019 showing total
Cash Disbursements of **$1,797,367.80** and
Fund Transfers between accounts of **$1,241,566.67.**

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46775	Advanced Cabling	$ 909.50	Install 11 CAT-6E Network Cables in Admin Bldg.
46776	Advantage Service Co.	$ 325.00	Tested RPZ Valves Maumelle
46777	Arkansas Aggregates, Inc.	$ 1,782.49	Rock & Gravel Dlv'd to FLTP
46778	Arkansas Sign & Barricade, Inc.	$ 163.50	Traffic Sign Ward 1
46779	AT&T	$ 1,126.45	Datacom Lines between FLTP, City Services & CAW
46780	Battery Outfitters	$ 241.49	Genius Boost Charger Rixie Trammel PS; Truck Battery (#107)
46781	Boston Mutual Life Insurance Co.	$ 475.27	Supplemental Insurance - Employee Deductions
46782	Cintas Corp. #650	$ 1,905.77	Biweekly Mat Service, Uniform Service, Towel Refill, Restroom Cleaning CS&E, Rain Jacket
46783	Core & Main, LP	$ 249.72	Fast Plug - Ward 2
46784	Cranford Construction Co.	$ 2,043.20	Asphalt - Wards 1,4, 2
46785	Crow Burlingame Co.	$ 25.02	Fuel Filter - Unit #141
46786	Custom Manholes, LLC	$ 2,516.50	Ward 1 - Raised 4' Manhole 11.5' deep
46787	Digi-Key Electronics 3058463	$ 561.02	Conn Plug Solder, 1" Tie Holders, Dbl Coated Tape, Hook Up Strnds (Omni Replacements & Stock)
46788	Elliott Electric Supply, Inc.	$ 877.99	Temp Power Pole @ Bethany & Edmunds, Replacement Switch Spray Rig, Relay for Ops Meter, N12 STRT SCT (Town Center Repair)
46789	Entergy	$ 3,107.79	Electric Bills: McAlmont, Frontier Dr., Chapel Ridge, Midstate, Rixie Hwy 161, Eureka 46th, Hill Lake, Quapaw, Eureka Grnds Rd, Rixie Lucky, Rixie Rd, Maum Valley, Seminole W, Seminole E, Ponca, Osage Hills, Osage Falls, Odom Bl Mtn, New Bedford, Eureka Judy, Naylor
46790	Eureka Gardens Facilities Board	$ 450.00	Debt Fee Collected April Cycle 7
46791	Fleet Tire Service	$ 65.90	Unit #86, Lube, Oil, Filters, Wiper Blades
46792	Frank Elder Well Supply	$ 273.00	Well Casing Couplings Ward 1
46793	Grainger	$ 3,868.40	Cordless Band Saw, Variable Frequency Drives/Osage Falls
46794	Green & Chapman	$ 2,898.03	Red Dyed Fuel for Tank, Diesel for FL Gens,
46795	Grisham's Exterminating Co.	$ 1,423.50	Spider Treatment Faulkner Lake & 5-Mi
46796	Harbor Freight Tools	$ 207.20	Towing Chain, Roller Cover, Ratcheting Load, Clevis Hooks, Tie Downs - MMTP
46797	Henard Utility Products	$ 7,850.77	Unit #142 Parts for Warthog Nozzle, Unit #143 Sewer Nozzles, Cleats & Rivets

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46798	Hum's Hardware	$ 1,161.98	Air Hose, Air Tank & Chain, Braided Orange Twine, Drill Bits, Master Padlock Keys, Yellow Poly Rope, Cordless Bandsaw Blade, Raised Hub Grinding Wheel, Socket Adapter, Cut Off Tool, Masonry Brush, Trowel, S/S Threads, Tie Down 12' Ratchet, Bags, Tie Wire Twister, Gorilla Wood Glue, Anchor Fix, Gorilla Glue, Slotted Power Bit, Silicone, Liquid Nails, Brass Connectors, Claw, Hose Nozzle, Garden Hose Shut Off, Gorilla Tape, Chain & Wire Lube, 2-Cyc Oil, Bent Nose Pliers, Band Saw Blade, Ext Saber, Nail Stake Round, Drano, Belt Press Compressor Parts, Black Tape, Coupling Nut, Threaded Rod, Mag Bit Holder, Mag Dr Guide
46799	Hum's Rental	$ 3,496.15	Excavator Rentals, Buckets, Reloc Equipment, Ward 1, Pallet Jack/Murphy Dr
46800	Jackson Cleaning Service	$ 1,215.45	Janitorial April - Lab, Admin, Engineering
46801	Jimmy Don Waddles Hauling, Inc.	$ 3,160.00	Biosolids Hauling Maumelle to Two Pines Landfill -12 Loads 4/23 -4/29/19 (+4 Loads of Sand Hauled 4/1/19)
46802	L&L Municipal Supplies & Tools	$ 1,837.41	Smoke Bombs, Blue Pirhana Sewer Hose, Hose Ends
46803	Legal Shield	$ 139.55	Employee Deductions - Prepaid Legal Services
46804	Marc Wilkins	$ 108.99	Reimburse for Charger, Case, Shield for New Cell Phone
46805	Moore & Robinson	$ 425.12	4 Tires - Unit #115
46806	North Little Rock Electric	$ 30,035.98	Electric Bills: Maryland Pl, FLP, FL Blower, Shillcutt, Shorter Coll, FL Lab, Cypress Xing, Harris Ind, Maryland E, Lakewood, Oakbrook, Baucum Ind, FL Admin, 3812B Nona, Wh Oak Gate, Dixie, 3924B Nona, Lansbrook Holt, 3804B Nona, Gall/Maybelline, FL Sludge, I-440 Ind, Hwy 107, Pine Tree Pt, Delta Lawn, FL CS&E, FL Plant Maint, Faulkner Xing
46807	O'Reilly Automotive Stores	$ 84.71	Unit #83 Hood Support
46808	Peterson Concrete Septic Tank	$ 1,013.73	48" - 10' Manhole Ward 1
46809	Pettus Office Products	$ 600.09	Toner Cartridges, Brite Liners, Paper Towels,Tape, Flair Pens
46810	Powers Truck & Equipment	$ 581.15	Unit #141 Diagnosed Problem, Changed Fuel Filter, Charged Battery; Unit #143 Parker Fittings, Parker Hose
46811	Doggett Freightliner of AR, LLC	$ 498.71	Unit #143 Oil/Filters Change, Steam Cleaned & Tightened Steering Gear Fitting
46812	River Valley Tractor	$ 1,353.21	Repair Maumelle New Holland 555D; Repair KX121-R3 Trackhoe, Fuel Water Separator Replaced
46813	Sewer District #211	$ 1,044.00	Billed Runyan Acres Accounts May Cycle 1
46814	Sonny Fulmer Trucking	$ 3,440.75	Gravel Hauling & Concrete Repairs - 4/10 - 4/29/19
46815	Spa Chemicals, Inc.	$ 688.66	Pop Up Towels, Toilet Tissue, Penetrating Lubricant, Tub & Tile Cleaner
46816	Stanley Hardware	$ 684.58	Water Cooler, Drill/Saw Kit, Lithium Ion Chargers, Starter Rope, Repaired Smoker, Seed & Straw Ward 5 Repair, Compression Couplings, 90Elbow, PVC Pipe Ward 3,
46817	Terminix Processing Center	$ 119.36	Monthly Pest Service -Admin, Lab & Col.Sys/Eng Buildings
46818	USA Bluebook	$ 31.80	Odor Neutralizer

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46819	UBS	$ 185.86	Water Bills: Shorter Coll, White Oak, Delta Lawn, Oakbrook, 5-Mi Plant, Heilman/Wh Oak, Shillcutt
46820	Work Wear	$ 4,645.88	OSHA Compliant Safety Footwear Annual Purchase
46821	Xylem Dewatering Solutions, Inc.	$ 197.10	Haul Large Pump from Shillcutt to Jack Tyler Engineering
46822	A-1 Recovery	$ 323.03	Winch Out VacCon #109
46823	AA Flooring & Renovations	$ 975.00	Replace Glass Maumelle Influent Building - Vandal Broke out Windows
46824	Arkansas Aggregates, Inc.	$ 1,549.62	Rock & Gravel Dlv'd to FLTP
46825	Arkansas Sod & Turf Farm, Inc.	$ 337.00	Repairs - Wards 2, 1,4,5
46826	AutomationDirect.Com	$ 1,064.36	SCADA Clarifier/Thickener Trouble Light; Remote Start/Stop Belt Press; Osage Falls - Hydrostatic Submersible Level Transmitter, Aneroid Bellows, Lights, Switches
46827	Battery Outfitters	$ 77.90	Batteries for Flow Meters
46828	Brown Janitor Supply	$ 136.74	Pump Maintenance Shop Supplies - Aerosol Steriphene, Glass Cleaner, Bowl Cleaner, Damp Mop, Angle Broom, Metered Spray
46829	Campbell Sheet Metal, Inc.	$ 301.13	F Lake Blowers - Modified Air Blower Inlet
46830	Centerpoint Energy	$ 109.15	Gas Bills: Maumelle Valley PS, CC Ballfields Gen, Seminole E Gen, Seminole W Gen, New Bedford Gen
46831	Charles Frost	$ 139.20	Mileage - AWW & WEA
46832	Cintas	$ 320.97	Restock First Aid Cabinets - CS&E, Ops, Pump Maint, Lab
46833	Clement Communications, Inc.	$ 331.12	Safety Posters for Collections Systems Department
46834	Consolidated Pipe & Supply	$ 100.36	El & S/S Nip Bridgeway PS; Plugs, S/S Nipples, S/S Tees, LF Gauges, Ball Valves - Engineering
46835	Datamax	$ 152.19	Monthly Billing - Admin Copier
46836	Dept of Finance & Administration	$ 22,829.04	Arkansas State Withholding Tax - April
46837	Digi-Key Electronics 3058463	$ 686.12	Osage Falls PS - Pro-tech Backpack, Touchscreen, Cable Assembly, 8-pos Relay Sockets, Gen Purpose Relays
46838	Doorking, Inc.	$ 49.95	Monthly Cell Phone Service for FLTP Main Gate
46839	Dwayne Morrow	$ 139.20	Mileage - AWW & WEA
46840	Ed Toland	$ 139.20	Mileage - AWW & WEA
46841	Elliott Electric Supply, Inc.	$ 1,286.64	Well Meter Equipment Bethany & Edmonds; Electrical Parts - Stock #134; Parts THHN STR Black pcs 5-Mi West Lagoon Aerators
46842	Entergy	$ 26,396.52	Electric Bills: MTP Eq/Surge, MTP #2,#3, MTP #4, MTP Main, Murphy Dr, High School, MTP Training, Diamond Pt, Ridgeland/Odom, Ridgeland, Durango, Masters Place, Lawrence, Town Center, River Run, Norfolk, Palisades, Maum #2
46843	Environmental Process Systems	$ 56,902.50	5-Mi Pond Levee Repair Project -Estimate #2 - Committee Approved 9/11/18
46844	Environmental Services Company	$ 4,941.00	1st Quarter 2019 Permit Testing Samples; MTP Permit Renewal
46845	Eureka Gardens Facilities Board	$ 3,525.00	Debt Fee Collected April Cycle 4

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46846	Sherwood Express Oil	$ 67.80	Unit #80 Full Service Oil & Filter
46847	Gene Denio	$ 69.60	Mileage - AWW & WEA
46848	Grainger	$ 776.95	3 Label Tape Cartridges; 20' 12 Ventilator - RAS Pump Stat FLTP
46849	Gravel Ridge Sewer District	$ 6,646.64	Billed Accounts Collected April Cycle 4
46850	Grisham's Exterminating Co.	$ 742.50	Spider Treatment Maumelle, White Oak
46851	Halbert Pipe & Steel	$ 104.16	Square Tubes - Pump Crew Spray Rig
46852	Henard Utility Products	$ 3,770.71	Wart Hog Magnum Sewer Nozzle Unit #143 - Lost in Cave In
46853	Horseshoe Construction, Inc.	$ 4,776.79	Est #3 - Lakewood Pipe Bursting Project - Committee Authorized 1/8/19
46854	Hum's Hardware	$ 24.42	Chamfer Strips, Eye Screws, Bit - Murphy Dr & Flow Meter
46855	Diamond State Lawn LLC	$ 150.00	Mow Ditch - FLTP
46856	James Rhodes	$ 69.60	Mileage - AWW & WEA
46857	Jason Barrett	$ 139.20	Mileage - AWW & WEA
46858	Jayson Uekman	$ 69.60	Mileage - AWW & WEA
46859	Jim's Crane Rental Service, Inc.	$ 460.00	28 Ton Crane Rental MTP
46860	Jimmy Don Waddles Hauling, Inc.	$ 2,270.00	Biosolids Hauling Maumelle to Two Pines Landfill -9 Loads 4/30 -5/6/19 +2 Loads of Sand Hauled
46861	Joe's Garage & Wrecker Service	$ 73.10	Unit #132 Oil Change
46862	L&L Municipal Supplies & Tools	$ 627.56	G-Tek Gloves, Duct Tape, Electrical Tape, Yellow Caution Tape, Measuring Tapes
46863	Levy Concrete	$ 400.77	Dock 4" Slump - Murphy Drive
46864	Lowe's	$ 2,416.74	Ice Maker, Counter Top (White Oak), Honda Mower & Blade (PS Lawn Care), Refrigerator (Pump Maint Bldg), Mulch (Ops)
46865	Marc Wilkins	$ 69.60	Mileage - AWW & WEA
46866	Mark Dailey	$ 139.20	Mileage - AWW & WEA
46867	Mike Lewellen	$ 69.60	Mileage - AWW & WEA
46868	Morgan Mills	$ 69.60	Mileage - AWW & WEA
46869	NLR Welding Supply, Inc.	$ 192.84	Acetylene & Oxygen for Unit #83; Monthly Rental Cylinders O2, Acetylene, Argon, Argon/CO2
46870	Northside Sales Co.	$ 622.62	Eyewash, OSHA Yellow Paint, Service on 3 Gas Monitors, 27DB Earmuff, Clear Safety Glasses, Silver Safety Glasses, Dust Masks
46871	Office Depot	$ 298.03	Splenda, Creamer, Coffee, Coffee Cups, File Folders, Record Book, Purell - Lab
46872	Panera, LLC	$ 69.24	4/9/19 NLRW Sewer Committee Lunches
46873	Pettus Office Products	$ 139.33	Pens, Expanding Jacket Files, Waste Basket, Hefty Tabs, Copy Paper
46874	Post Oak Acres, Inc.	$ 32.85	Dirt - Ward 4 Repairs
46875	Powers Truck & Equipment	$ 29.75	Unit #107 Hose Fitting
46876	Doggett Freightliner of AR, LLC	$ 441.94	Unit #142 - Repairs Steering Shaft
46877	RGA	$ 575.80	Fire Hydrant Adapter, Couplers, Adaptors (Fire Repl)

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46878	River Valley Tractor	$ 1,262.91	FLTP - Repair Wheel Loader
46879	RJN Group, Inc.	$ 14,440.00	2019 SSES - Professional Services Through 4/26/2019
46880	Sewer District #211	$ 245.50	Billed Accounts Collected April Cycle 4
46881	Sonny Fulmer Trucking	$ 559.56	Class 7 Gravel delivered to FLTP 4/29-4/30
46882	Stanley Hardware	$ 112.06	Hole Saw & Saw Blades - Truck #100
46883	Tractor Supply Credit Plan	$ 1,559.19	Yellow Poly Braid, Pump (Wh Oak), Kennel Fence to put around Pumps, Steel Underbody, Crescent Wrench (#83), 5-Mi Spot Sprayer, #124 Spot Sprayer
46884	USA Bluebook	$ 1,238.96	S/S Screen for Strainer, Odor Neutralizer, BOD Standards, BOD Nutrients, Ammonia Buffer, Filter Paper, DPD Dispenser
46885	UBS	$ 1,319.06	Water Bills: FL Lab, Murphy Dr, MTP, FLTP
46886	Waste Management	$ 39,511.49	Biosolids Disposal Faulkner Lake & Maumelle
PR-10	Payroll Tax Deposit	$ 41,596.62	Payroll Taxes Pay Period Ending 5/12/2019
46887	Ameriprise Financial Services	$ 75.00	Employee Contributions Pay Period Ending 5/12/2019
46888	Heart of Arkansas United Way	$ 52.00	Employee Charitable Giving Pay Period Ending 5/12/19
46889	OCSE Clearinghouse SDU	$ 152.00	Arkansas Child Support Payments - Pay Period Ending 5/12/2019
46890	US Department of Education	$ 171.50	Employee Federal Student Loan Garnishment- Pay Period Ending 5/12/19
46891	NLR Community Center	$ 4.93	Wellness Program - 1 Employee - Pay Period Ending 5/12/2019
AF-10	Arkansas Federal Credit Union	$ 4,510.31	Employee Deposits Pay Period Ending 5/12/2019
NAT-10	Nationwide Retirement Solutions	$ 4,581.54	Retirement Contributions Pay Period Ending 05/12/2019
46892	AR Dept of Emergency Management	$ 110.00	Desk with Lateral File Drawers, Sharps Compliant Coveralls, Trash Bags, Tape
46893	Arkansas One Call System	$ 426.85	May Member Fee, April Call Fee
46894	AutomationDirect.com	$ 65.70	Selector Switch Eureka &46th St.
46895	Bentco, Inc.	$ 815.00	Point Controllers - White Oak - SCADA Budget
46896	Centerpoint Energy	$ 1,277.27	Gas Bills: 701 W. 29th, FLTP, FL Lab
46897	Change Center for Health	$ 3,251.50	Wellness Clinic Contract - June 2019
46898	City of Maumelle	$ 12,268.77	Franchise Fee Collected - April 2019
46899	City of North Little Rock	$ 82,284.52	Franchise Fee Collected - April 2019
46900	Colonial Life	$ 432.83	Employee Deductions - Supplemental Insurance
46901	Core & Main, LP	$ 74.37	PVC CPLG - Ward 1 Repair
46902	Design One Contracting, LLC	$ 876.00	Sawdust & Shavings - for Sludge Drying MTP
46903	Digi-Key Electronics 3058463	$ 597.83	Connector Terminals, Tags Marking Terminal Blocks, Color Touchscreen, Connector Ferrules, Cable Ties - Eureka & 46th & Stock
46904	Entergy	$ 5,234.10	Electric Bills: Maranes, Collins Ind, Bouries, CC Ballfields, Counts Massie#2, Counts Massie, Crystal Bay, Maumelle Woods, Bridgeway #2, Hwy 365, Wh Oak Bar Screen, Lagoons
46905	EZAutomation	$ 1,612.00	Components to Build 4 PLC- SCADA Pump Stations

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46906	Fastenal	$ 35.72	Flat Washers & HCS A-2 - Maumelle Surge Basin Pump
46907	FedEx	$ 71.94	Return Part, Ship Cameras
46908	First Electric Cooperative	$ 170.09	Gap Creek Electric Bill
46909	Fleet Tire Service	$ 887.56	Unit #124 4 Tires & Wheel Balance
46910	Grainger	$ 258.35	Battery Charger/Unit #124; Capacitors/Bridgeway PS
46911	Gravel Ridge Sewer District	$ 10,257.52	Billed Accounts, April Cycle 5
46912	Jimmy Don Waddles Hauling, Inc.	$ 2,760.00	Biosolids Hauling Maumelle to Two Pines Landfill -12 Loads 5/7/19 -5/13/19
46913	Joe's Garage & Wrecker Service	$ 73.10	Unit #94 - Oil & Filter Change
46914	Kerr Paper & Supply Co.	$ 255.13	C-Fold Towels, Trash Bags
46915	L&L Municipal Supplies & Tools	$ 759.93	Smoke Bombs
46916	Liberty Trailer Co., Inc.	$ 79.94	Wheel & Tire - PM Utility Trailer
46917	Little Rock Winwater Co.	$ 1,181.53	12" Fernco/Ward 4; 8" Clay CPLGS, 6" CI/PLs; 50 lb Water Plug Water Stop Red; 50 lb Water Plug Water Stop Blue
46918	Nease Electrical, Inc.	$ 26,362.50	2018 Generator & Transfer Switch Project - Estimate #3 (Approved 12/11/18)
46919	New Age Industries	$ 1,083.15	Clear Flo Tubing for all Samplers
46920	Pettus Office Products	$ 42.91	Tall Can Liners
46921	Post Oak Acres, Inc.	$ 65.70	Dirt Repairs - Wards 0/4
46922	Powers Truck & Equipment	$ 433.05	Unit #109 - Repair Bearing on Drive Shaft
46923	Regions Corporate Trust	$ 1,439.50	Rixie Bond Payment - April 2019
46924	River Valley Tractor	$ 36.08	Bumper - Bad Boy Mower
46925	Sanders Plumbing	$ 150.00	Leaking Water Fountain Admin Bldg.
46926	Sonny Fulmer Trucking	$ 3,429.15	Rock & Stone Dlv'd 29th, MTP, FLTP; Concrete Driveway Repair Ward 5
46927	Spa Chemicals, Inc.	$ 737.95	Bug Blaster, Bug Ban, Wasp & Hornet Killer
46928	Sutherland Enterprises, Inc.	$ 121.55	NLRW Logo Caps - Neon Yellow & Charcoal
46929	T-Shirt Shop	$ 2,263.91	200 Safety Green Pocket T-Shirts (5 per person) Collections
46930	The Southern Company	$ 312.99	Red Dyed Diesel Fuel Tank Meter
46931	Thomas Engineering Company	$ 2,900.00	Topo Survey & ROW Survey - Julian St & Ft Roots
46932	USA Bluebook	$ 469.34	Buffer 4 & 7, Sunglasses, Safety Glasses, Glass Fiber Filters
46933	VWR International LLC	$ 1,352.72	PE Acid Cabinet - Budget Item
46934	Washington National Insurance Co.	$ 1,299.90	Employee Deductions - Supplemental Insurance
46935	Water Environment Federation	$ 210.00	Membership Renewals - 2 Employees
46936	Web Lubrications, Inc./Jiffy Lube	$ 79.29	Unit #124 Oil Change
46937	Welsco	$ 149.56	Insight ADF Lens - Pump Maint Shop Supplies
46938	Windstream	$ 62.32	Phone Bill - Billing Dept. Fax Line
46939	ADEQ/WWL	$ 1,960.00	ADEQ Municipal & Industrial Annual License Renewals 49 Employees
46940	AFLAC	$ 1,885.84	Supplemental Insurance - Employee Deductions
46941	Ameriprise Trust Co.	$ 1,242.50	1st Qtr. 2019 Services - Pension Plan

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46942	Arkansas Aggregates, Inc.	$ 3,448.66	Rock & Stone Dlv'd to FLTP 4/16 - 4/30
46943	AT&T Mobility	$ 61.46	Survey Equipment Data Line
46944	AutomationDirect.com	$ 729.29	Hydrostatic Submersible Level Transmitter, Selector Switches, Indicating Lights
46945	Brown Engineers, LLC	$ 7,978.35	Solar Energy Study
46946	Centerpoint Energy	$ 78.77	Gas Bills: Gap Creek Gen, Eureka Grds Gen, Clayton Chapel Gen, Dixie
46947	Central Arkansas Water	$ 41,357.01	Wastewater Billing Fees April 2019
46948	Control Worx	$ 486.00	Vacuum Enhancer, Set Screws, Labyrinth Seal - Parts White Oak Pumps
46949	Cope Plastics, Inc.	$ 483.55	6 Pieces 4'x8' Plexiglass to replace windows at Influent Pump Station
46950	Core & Main, LP	$ 2,015.36	Cast Iron Bends, Clay to Cast, Conc to Cast, Cast to Cast, Truss Adapter, Pipe Lube, L&W Drop In Assembly, PVC Couplings
46951	Cranford Construction Co.	$ 1,650.71	Asphalt Repairs 4/11 - 4/30
46952	Datamax	$ 76.33	CS&E Copier Maintenance
46953	Digi-Key Electronics 3058463	$ 611.97	Color Touchscreen, 8 Pos Relay Sockets, Gen Purpose Relays, 14 Pos Relay Socket, Connection Terminals, Connection Ferrules
46954	EGP, PLLC	$ 7,000.00	Final Billing - 2018 Financial Statement Audit
46955	Entergy	$ 8,672.61	Electric Bills: WOTP, WO Structure, Clayton Chapel, Austin Lakes,
46956	Eureka Gardens Facilities Board	$ 450.00	Debt Fee Collected April Cycle 7
46957	Evans Enterprises, Inc.	$ 757.56	Barnes Pump Rail for Bridgeway PS
46958	Gravel Ridge Sewer District	$ 677.04	Billed Accounts, April Cycle 7
46959	Hach Company	$ 3,806.99	pH Sensor, Upgrade LD02, Equitransferrant pH 7 Buffer
46960	Harcros Chemicals	$ 2,283.92	Chlorine Cylinders, Sulfur Dioxide Cylinders - Maumelle
46961	Hilburn, Calhoon, Harper, Pruniski, & Calhoun, et al	$ 5,971.00	Legal - Retainer & Special Projects -April 30 Billing
46962	ICM Technologies, Inc.	$ 392.92	Seal Guard
46963	Information Network of Arkansas	$ 22.00	Criminal Background Check - 1 Employee
46964	Jimmy Don Waddles Hauling, Inc.	$ 3,290.00	Biosolids Hauling Maumelle to Two Pines Landfill -13 Loads 5/14/19 -5/20/19 + 3 Loads Sand
46965	Joe's Garage & Wrecker Service	$ 715.72	Unit #138 Oil Change, Unit #100 Repairs to A/C and HVAC Door, Unit #120 Oil, Filters, Wiper Blades
46966	Keathley Service Co., Inc.	$ 483.53	Service Ice Machines Pump Maint & Lab
46967	Lou's Gloves, Inc.	$ 870.00	Nitrile Powder Free Gloves - Lab Stock
46968	Mr. Green Professional Turf Management	$ 365.00	Treat Crepe Myrtles
46969	North Little Rock Electric	$ 295.22	Wilcox PS Electric Bill
46970	PaGIS	$ 3,682.12	2019-2020 ESRI Software Maintenance
46971	Pettus Office Products	$ 954.69	Toner Cartridges, Records Book, Pens, Calculator, Copy Paper, Dry Erase Markers, Sharpies, Rubber Bands, Payroll Envelopes, Coffee, Sugar Packets, Legal Pads
46972	Polytec, Inc.	$ 7,122.38	3000 LBS. Polymer FLTP
46973	Post Oak Acres, Inc.	$ 32.85	Dirt for Repairs - Wards 3

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
46974	Powers Truck & Equipment	$ 182.95	Parker Fittings, Parker Hose
46975	RGA	$ 441.38	PVC Hose, Tiger Flex Clamp
46976	Sewer District #211	$ 252.00	Billed Accounts, April Cycle 7
46977	Sonny Fulmer Trucking	$ 1,931.04	Stone Delivered to Maumelle, 29th St, FLTP 5/13 - 5/19
46978	Spa Chemicals, Inc.	$ 68.97	Pop Up Towels
46979	Sunbelt Rentals	$ 321.56	Sidewall Panels, Corner Connectors, Adjustable Spreader
46980	Taggart Architects	$ 3,889.49	Architectural Services for Building Remodel & Metal Building Replacement-From Fire
46981	United States Plastic Corporation	$ 393.31	Sampler Tubing 5-Mi, WO, MTP
46982	Verizon Connect Fleet USA, LLC	$ 385.00	Tracking Service - 11 Units - May
46983	Verizon Wireless	$ 2,707.06	Monthly Cell Phone Use, Ipad & Case/Clayton, Phone Case/Thompson
46984	Waste Management	$ 11,205.53	Disposal of Biosolids from Maumelle TP to Two Pines Landfill -5/1 - 5/15, Monthly Service Charge Dumpster Service Maumelle, FLTP, 5-Mi, White Oak,Shillcutt, VacCons
46985	Work Wear	$ 111.69	OSHA Compliant Safety Footwear - 1 Employee
Electpymt - 7	Centennial Bank	$ 1,211.01	Monthly Credit Card - Mobile Device Mount for Microscopes, Shipping Charges, April Committee Meeting Lunch, Hard Drives & Memory, Upgrade to Windows 10, Rain Gauges, Radio & Antenna Kit for Back Gate/FLTP, INDEED Charges Job Ads
46986	Ameriprise Financial Services	$ 75.00	Employee Contributions Pay Period Ending 5/26/2019
46987	Heart of Arkansas United Way	$ 52.00	Employee Charitable Giving Pay Period Ending 5/26/2019
46988	OCSE Clearinghouse SDU	$ 152.00	Arkansas Child Support Payments - Pay Period Ending 5/26/2019
46989	US Department of Education	$ 169.35	Employee Federal Student Loan Garnishment- Pay Period Ending 5/26/19
46990	NLR Community Center	$ 4.93	Wellness Program - 1 Employee - Pay Period Ending 5/26/2019
AF-11	Arkansas Federal Credit Union	$ 4,640.31	Employee Deposits Pay Period Ending 5/26/2019
NAT-11	Nationwide Retirement Solutions	$ 4,581.54	Retirement Contributions Pay Period Ending 05/26/2019
PR-11	Payroll Tax Deposit	$ 41,140.31	Payroll Taxes Pay Period Ending 5/26/2019
46991	American Composting, Inc.	$ 886.64	Hauled Sand/Gravel/Dirt/Green Waste for disposal
46992	Applied Industrial Technology	$ 103.61	Hy-T Wedges - Shorter College PS
46993	Arkansas Democrat Gazette	$ 114.48	Legal Ad - Land Application Permit
46994	AT&T	$ 2,453.88	Monthly Phone Service FLTP (2 Mos.)
46995	AT&T	$ 1,126.45	Data Com Lines FLTP-City Services_CAW
46996	AT&T Mobility	$ 269.87	SCADA Service
46997	Capital Fire Extinguisher Co.	$ 114.75	Extinguisher Inspections - Admin
46998	Carter Law Firm, LLC	$ 468.00	Consult - Solar Power
46999	Darrell R. Sansom	$ 3,000.00	Computer Consulting & Maintenance - May
47000	Digi-Key Electronics 3058463	$ 183.52	SCADA Parts Stock - Conn Terminals, Hook Up Strand

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47001	Elliott Electric Supply, Inc.	$ 16.04	PVC Conduit
47002	Entergy	$ 23,239.79	Electric Bills: 5-Mi Inf, 5-Mi #1, 5-Mi S, Trammell Estates, 5-Mi Gate, 5-Mi N, Marche', McAlmont, Chapel Ridge, Rixie Hwy 161, MidState, Frontier, Eureka/46th, Eureka Grd Rd, Quapaw, Hill lake
47003	Environmental Services Company	$ 7,827.00	Land Application Soil Testing; Phosphorus & Nitrate/Nitrite Testing Related to FL Permit
47004	EZAutomation	$ 1,612.00	Components to Build PLC's for SCADA / 4 Received
47005	Fuelman	$ 13,741.65	Gasoline & Diesel Fuel - Utility Vehicles Month of April
47006	Grainger	$ 1,081.62	Clamp Meter, Digital LCD; Hard Hat; Overload Relay, Frnt Aux Seq B, Magnetic Contactor
47007	Gravel Ridge Sewer District	$ 18,587.57	Billed Accounts April Cycle 9 & End of Month
47008	Harbor Freight Tools	$ 273.72	Sewage Sump Pump - FL Primary #4
47009	Harcros Chemicals	$ 1,311.08	Containers of Chlorine - FL Plant
47010	Diamond State Lawn, LLC	$ 150.00	Mowed Ditch-Faulkner
47011	Jim's Tree Service	$ 4,400.00	Remove 2 Large, Viney Trees - Clean Up and Haul Debris - Ward 2; 1 Tree - Ward 2
47012	Jimmy Don Waddles Hauling, Inc.	$ 2,010.00	Biosolids Hauling Maumelle to Two Pines Landfill - 7 Loads 5/21-5/23/19 + 4 Loads of Sand Hauled to Plant to Mix w/ Biosolids
47013	Legal Shield	$ 139.55	Employee Deductions - Prepaid Legal Services
47014	Municipal Health Benefit Fund	$ 67,774.28	Employee Health Insurance June 2019
47015	North Little Rock Electric	$ 35,335.95	Electric Bills: Rhodes & Saunders, Maryland E, Harris Ind, Cypress X-ing, FL Lab, Wh Oak Gate, 3812B Nona, FL Sludge, Galloway/Maybelline, Lansbrook Holt, FL CS&E, Delta Lawn, Pine Tree Pt, Maryland Pl, Hwy 107, 3804B Nona, I-440 Ind Pk, 3924B Nona, Dixie, Faulkner Xing, FL Plant Maint, Shorter Coll, FL Admn, Baucum Ind Pk, Lakewood, Oakbrook, FLTP, Shillcutt, FL Blower, Bethany&Edmunds
47016	Northside Sales Co.	$ 46.65	Safety Glasses Pump Maintenance
47017	Panera, LLC	$ 112.33	Lunches - Retirement Committee Meeting 5/2/19
47018	Peterson Concrete Septic Tank	$ 212.32	Concentric Cone - Ward 1
47019	Pettus Office Products	$ 45.09	Eraser Refills, Calendar Refill
47020	Petty Cash	$ 292.60	Reimburse Petty Cash January - May 23
47021	Post Oak Acres, Inc.	$ 427.05	Sand & Dirt - Maumelle Sludge Pits & Ward 5
47022	Powers Truck & Equipment	$ 6,580.33	Repair Excavator Maumelle Plant
47023	Region VI Pretreatment Assoc.	$ 675.00	Annual Pretreatment Conference Registration - 3 Employees
47024	RGA	$ 285.97	Discharge Hose w/Cam Locks - Ward 2
47025	River Valley Tractor	$ 1,540.13	Replace Hyd Hose on Pump Maumelle; Hard Top for Bad Boy Mower
47026	Scott Products Inc.	$ 793.03	Barrel Pump, Bucaneer, Arsenal - Faulkner Lake Stock

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
47027	Sewer District #211	$ 51,174.87	Billed Runyan Acres Accts Cycle 9 & End of Month; May Cycle 1
47028	Spa Chemicals, Inc.	$ 152.18	Center Pull Towels, Phenomenol Disinfectant - Ops
47029	Sunbelt Rentals	$ 91.98	Extension Hoses - Ward 2 Repair
47030	United Laboratories	$ 664.93	Antibacterial Handsoap All Plants + 2 Dispensers
47031	USA Bluebook	$ 256.14	Test Strips, Flow Arrow Tapes, Pipe Marker - FL, 5-Mi, Wh Oak
47032	VWR International LLC	$ 148.49	Spill Clean Up Kit - Lab
Electpymt - 8	Pitney Bowes	$ 806.50	Postage Meter Refill & Fee
		$ 956,183.78	
	Pay Period Ending 5/12/19	$ 122,948.28	
	Pay Period Ending 5/26/19	$ 120,764.46	
	Arkansas Federal Credit Union	$ 25.00	Monthly Fee for Electronic Deposit of Credit Union Deductions
	ADFA-6 Month Interest Payment	$ 121,440.49	Interest Payment for Series 2016 Loan
	ADFA-Loan Payments	$ 243,672.86	Monthly Loan Payments Drafted from Account
	2016 Construction Fund	$ 232,332.93	Total Disbursements From Account
	TOTAL UTILITY CASH DISBURSEMENTS	**$ 1,797,367.80**	

NORTH LITTLE ROCK WASTEWATER
CASH DISBURSEMENTS
2016 CONSTRUCTION FUND
May 31, 2019

CK #	CHECK PAYABLE TO	AMOUNT	DESCRIPTION
VV012	Horseshoe Construction	$ 39,995.53	Estimate #12-West Levy/212 Pipe Bursting Project
VV013	Insituform Technologies	$ 192,337.40	Final Estimate-Barring Cross CIPP Project and Estimate #1-South Levy/Indian Hills CIPP Project
		$ 232,332.93	

NORTH LITTLE ROCK WASTEWATER
FUND TRANSFERS
May 31, 2019

DATE	AMOUNT	TO	FROM	DESCRIPTION
5/1/2019	$ 41,666.67	Rehabilitation	Sewer	Required Transfer
5/1/2019	$ 90,100.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 5/1/19
5/8/2019	$ 209,500.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 5/8/19
5/13/2019	$ 122,900.00	Operating-Payroll	Sewer	Transfer for Pay Period Ended 5/12/19, Paid to Employees on 5/14/19
5/17/2019	$ 220,300.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 5/13/19-5/17/19
5/22/2019	$ 135,000.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 5/22/19
5/24/2019	$ 120,800.00	Operating-Payroll	Sewer	Transfer for Pay Period Ended 5/26/19, Paid to Employees on 5/28/19
5/31/2019	$ 301,300.00	Operating	Sewer	Transfer for Accounts Payable Checks Paid 5/27/19-5/31/19
	$ 1,241,566.67			

(3)

FINANCIAL STATEMENTS FOR MAY 2019

ACTION REQUESTED:

Approve the Financial Statements for May 2019.

North Little Rock Wastewater
Balance Sheet
Friday, May 31, 2019

ASSETS	
CURRENT ASSETS	
PETTY CASH	$700.00
CASH IN BANK	$5,791,389.15
CERTIFICATES OF DEPOSIT	$8,559,398.93
ADFA HOLDING ACCOUNTS	$251,202.87
ACCOUNTS RECEIVABLE	$2,817,137.91
INSURANCE RECEIVABLE-FIRE	$396,219.00
ACCRUED INTEREST RECEIVABLE	$87,089.56
ON-SITE INVENTORY	$28,384.71
PREPAID LIABILITY INSURANCE	$68,832.75
PREPAID WORKERS COMPENSATION INSURANCE	$42,568.75
OTHER PREPAID EXPENSES	$49,666.23
TOTAL CURRENT ASSETS	$18,092,589.86
PROPERTY, PLANT & EQUIPMENT	
LAND	$3,139,810.46
PUMPING STATION STRUCTURES	$12,075,543.86
SEWER SYSTEM LINES	$72,829,739.05
TREATMENT PLANT STRUCTURES	$77,855,306.13
ADMINISTRATION & MAINT. & ENG. BUILDINGS	$917,063.85
LABORATORY BUILDING	$1,243,794.95
SEWER SYSTEM EQUIPMENT	$12,272,980.28
EST. VALUE OF OLD SEWER LINES	$5,081,361.47
CONSTRUCTION IN PROGRESS	$7,050,015.17
ACCUMULATED DEPRECIATION	($74,798,990.91)
TOTAL PROPERTY, PLANT & EQUIPMENT	$117,666,624.31
OTHER ASSETS	
RIXIE OM&R RECEIVABLE	$176,055.20
DEFERRED OUTFLOWS RELATED TO PENSION	$2,565,815.00
TOTAL OTHER ASSETS	$2,741,870.20
TOTAL ASSETS	$138,501,084.37

North Little Rock Wastewater
Balance Sheet
Friday, May 31, 2019

LIABILITIES	
CURRENT LIABILITIES	
ACCOUNTS PAYABLE	$121,360.54
OWED TO OTHER DISTRICTS	$93,100.85
FRANCHISE FEE PAYABLE	$154,335.62
PAYABLE TO RIXIE	$1,414.00
PAYABLE TO EUREKA GARDENS	$3,925.00
ACCRUED SICK LEAVE	$403,738.97
ACCRUED VACATION LEAVE	$227,705.36
ACCRUED EMPLOYEE BENEFITS	$657.96
ACCRUED INTEREST PAYABLE	$150,605.96
ACCRUED PENSION PLAN CONTRIBUTION	$330,916.65
TOTAL CURRENT LIABILITIES	$1,487,760.91
OTHER LIABILITIES	
BONDS PAYABLE-SERIES 2001	$3,132,726.08
BONDS PAYABLE-SERIES 2008	$9,620,795.33
BONDS PAYABLE-SERIES 2012	$18,035,728.32
BONDS PAYABLE-SERIES 2016	12,102,179.00
RESERVE FOR BIO-SOILD DISPOSAL	$2,273,479.22
OPEB OBLIGATION-GASB 45	$285,680.00
NET PENSION LIABILITY	$2,685,571.00
DEFERRED INFLOWS RELATED TO PENSIONS	$813,977.00
TOTAL OTHER LIABILITIES	$48,950,135.95
EQUITY	
CONTRIBUTED CAPITAL	$30,110,329.51
DONATED CAPITAL	$17,727,878.80
RETAINED EARNINGS	$37,644,010.68
CURRENT YEAR NET INCOME / (LOSS)	$2,580,968.52
TOTAL EQUITY	$88,063,187.51
TOTAL LIABILITIES & EQUITY	$138,501,084.37

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
REVENUE			
OPERATING REVENUE			
INSIDE NLR SERVICE CHARGES	$5,652,500.00	$5,461,334.92	$5,326,297.35
OUTSIDE NLR SERVICE CHARGES	$1,270,900.00	$1,246,990.35	$1,196,176.24
MAUMELLE SERVICE CHARGES	$1,343,400.00	$1,243,796.09	$1,191,712.36
SHERWOOD TREATMENT CHARGES	$216,500.00	$255,095.00	$138,470.00
CUSTOMER SERVICE CHARGES	$22,000.00	$21,895.23	$21,266.59
INDUSTRY REGULAR CHARGES	$890,500.00	$843,567.96	$837,675.84
INDUSTRY SURCHARGE/PENALTY CHARGES	$167,000.00	$235,806.86	$174,372.55
INDUSTRY LATE FEE CHARGES	$4,000.00	$9,606.19	$5,231.24
LATE FEE CHARGES-RES. & COM.	$134,500.00	$150,768.20	$138,176.37
TIE-ON FEE CHARGES	$0.00	$19,235.09	$40,658.32
CONNECTION INSPECTION PERMITS	$16,500.00	$13,615.00	$16,580.00
PARTIAL INSPECTION PEMITS	$0.00	$180.00	$405.00
TAP & STREET CUTTING PERMITS	$4,000.00	$5,250.00	$6,650.00
REVIEW PLANS & SPECIFICATIONS	$2,500.00	$2,408.98	$5,044.54
TOTAL OPERATING REVENUE	$9,724,300.00	$9,509,549.87	$9,098,716.40
NON OPERATING REVENUE			
INTEREST EARNED INCOME-SECURITES	$53,500.00	$67,226.18	$22,034.85
INTEREST EARNED INCOME-CHECKING	$3,000.00	$8,653.66	$4,072.14
INTEREST EARNED INCOME-NOTES	$2,000.00	$2,185.02	$2,185.02
DISCOUNTS EARNED	$0.00	$48.13	$71.19
MISCELLANEOUS INCOME	$0.00	$200.00	$1,100.00
TOTAL NON-OPERATING REVENUE	$58,500.00	$78,312.99	$29,463.20
TOTAL REVENUE	$9,782,800.00	$9,587,862.86	$9,128,179.60

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
OPERATING EXPENSES			
WALKING CREW	$24,500.00	$2,349.30	$15,097.49
TROUBLE CREW	$51,000.00	$51,307.70	$45,047.43
MANHOLE CREW	$52,000.00	$34,138.11	$40,550.65
POWER DRIVE CREW	$38,500.00	$20,578.06	$29,107.93
TELEVISION CREW #1	$60,500.00	$50,218.56	$55,191.21
TELEVISION CREW #2	$57,500.00	$51,442.82	$57,527.04
COLLECTION SYSTEMS-GENERAL	$630,000.00	$507,923.65	$540,450.98
REPAIR CREW #1	$110,500.00	$77,722.94	$96,828.67
REPAIR CREW #2	$87,000.00	$69,819.55	$83,089.62
REPAIR CREW #3	$105,000.00	$55,192.23	$86,051.36
REPAIR CREW #4	$65,000.00	$71,290.59	$61,650.03
POWER RODDING CREW #1	$29,000.00	$12,709.34	$15,308.99
VAC-CON CREW #1	$78,500.00	$92,996.91	$69,514.92
VAC-CON CREW #2	$72,000.00	$66,893.32	$32,324.13
VAC-CON CREW #3	$73,500.00	$69,374.70	$32,119.62
VAC-CON CREW #4	$0.00	$1,747.19	$4,472.35
VAC-CON CREW #5	$67,500.00	$70,441.12	$64,733.40
LOCATION WORK	$21,000.00	$19,070.54	$20,375.89
ENGINEERING OFFICE	$141,500.00	$126,047.09	$107,092.17
GENERAL ENGINEERING DEPT.	$164,500.00	$97,505.41	$81,567.55
ENV.COMPL. & SAFETY DEPT	$102,500.00	$268,143.07	$207,042.11
TREATMENT DEPARTMENT	$2,083,000.00	$1,706,459.41	$1,677,197.82
PUMP STATION DEPARTMENT	$256,500.00	$285,693.15	$238,329.08
BILLING DEPARTMENT	$333,500.00	$306,114.31	$283,843.96
ADMINISTRATIVE	$453,300.00	$405,346.10	$381,189.34
LOSS (GAIN) ON PROPERTY DISPOSALS	$0.00	$12,816.68	($8,281.67)
DEPRECIATION EXPENSE-NON VEHICLE	$1,729,000.00	$1,650,235.59	$1,601,666.97
PENSION EXPENSE	$335,500.00	$333,396.65	$316,206.70
TOTAL OPERATING EXPENSES	$7,222,300.00	$6,516,974.09	$6,235,295.74
NON-OPERATING EXPENSES			
INTEREST ON DEBT-ALL BONDS	$449,700.00	$429,300.63	$392,756.61
TOTAL NON-OPERATING EXPENSES	$449,700.00	$429,300.63	$392,756.61
TOTAL EXPENSES	$7,672,000.00	$6,946,274.72	$6,628,052.35

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	YEAR TO DATE BUDGET	YEAR TO DATE 2019	YEAR TO DATE 2018
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$2,110,800.00	$2,641,588.14	$2,500,127.25
EMERGENCY REPAIRS	($13,300.00)	($13,349.09)	$0.00
EXPENSES RELATED TO FIRE DAMAGE	$0.00	($47,270.53)	$0.00
NET INCOME (LOSS)	2,097,500.00	2,580,968.52	2,500,127.25

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	MAY 2019	YEAR TO DATE 2019	MAY 2018	YEAR TO DATE 2018
REVENUE				
OPERATING REVENUE				
INSIDE NLR SERVICE CHARGES	$1,165,881.93	$5,461,334.92	$1,084,181.04	$5,326,297.35
OUTSIDE NLR SERVICE CHARGES	$256,375.85	$1,246,990.35	$250,428.89	$1,196,176.24
MAUMELLE SERVICE CHARGES	$272,038.58	$1,243,796.09	$255,153.57	$1,191,712.36
SHERWOOD TREATMENT CHARGES	$51,019.00	$255,095.00	$27,694.00	$138,470.00
CUSTOMER SERVICE CHARGES	$4,421.16	$21,895.23	$4,317.76	$21,266.59
INDUSTRY REGULAR CHARGES	$171,152.81	$843,567.96	$152,732.98	$837,675.84
INDUSTRY SURCHARGE/PENALTY CHARGES	$41,470.32	$235,806.86	$23,739.41	$174,372.55
INDUSTRY LATE FEE CHARGES	$1,929.22	$9,606.19	$0.00	$5,231.24
LATE FEE CHARGES-RES. & COM.	$31,656.41	$150,768.20	$29,302.51	$138,176.37
TIE-ON FEE CHARGES	$489.29	$19,235.09	$38,475.00	$40,658.32
CONNECTION INSPECTION PERMITS	$4,025.00	$13,615.00	$3,280.00	$16,580.00
PARTIAL INSPECTION PEMITS	$0.00	$180.00	$45.00	$405.00
TAP & STREET CUTTING PERMITS	$700.00	$5,250.00	$1,400.00	$6,650.00
REVIEW PLANS & SPECIFICATIONS	$683.00	$2,408.98	$0.00	$5,044.54
TOTAL OPERATING REVENUE	$2,001,842.57	$9,509,549.87	$1,870,750.16	$9,098,716.40
NON OPERATING REVENUE				
INTEREST EARNED INCOME-SECURITES	$13,094.55	$67,226.18	$3,668.75	$22,034.85
INTEREST EARNED INCOME-CHECKING	$2,801.41	$8,653.66	$1,025.77	$4,072.14
INTEREST EARNED INCOME-NOTES	$448.58	$2,185.02	$448.58	$2,185.02
DISCOUNTS EARNED	$1.73	$48.13	$14.45	$71.19
MISCELLANEOUS INCOME	$0.00	$200.00	$0.00	$1,100.00
TOTAL NON-OPERATING REVENUE	$16,346.27	$78,312.99	$5,157.55	$29,463.20
TOTAL REVENUE	$2,018,188.84	$9,587,862.86	$1,875,907.71	$9,128,179.60

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	MAY 2019	YEAR TO DATE 2019	MAY 2018	YEAR TO DATE 2018
OPERATING EXPENSES				
WALKING CREW	$374.62	$2,349.30	$4,910.96	$15,097.49
TROUBLE CREW	$10,204.56	$51,307.70	$10,923.63	$45,047.43
MANHOLE CREW	$7,251.65	$34,138.11	$13,270.61	$40,550.65
POWER DRIVE CREW	$2,297.90	$20,578.06	$9,925.32	$29,107.93
TELEVISION CREW #1	$10,370.22	$50,218.56	$19,066.66	$55,191.21
TELEVISION CREW #2	$10,039.26	$51,442.82	$11,682.25	$57,527.04
COLLECTION SYSTEMS-GENERAL	$97,456.26	$507,923.65	$110,037.97	$540,450.98
REPAIR CREW #1	$16,604.67	$77,722.94	$15,666.12	$96,828.67
REPAIR CREW #2	$12,411.23	$69,819.55	$26,522.21	$83,089.62
REPAIR CREW #3	$12,328.67	$55,192.23	$28,956.45	$86,051.36
REPAIR CREW #4	$2,535.80	$71,290.59	$16,459.15	$61,650.03
POWER RODDING CREW #1	$2,846.98	$12,709.34	$5,700.66	$15,308.99
VAC-CON CREW #1	$15,047.26	$92,996.91	$16,688.79	$69,514.92
VAC-CON CREW #2	$13,444.43	$66,893.32	$9,156.83	$32,324.13
VAC-CON CREW #3	$13,173.17	$69,374.70	$11,372.07	$32,119.62
VAC-CON CREW #4	$120.37	$1,747.19	$3,170.27	$4,472.35
VAC-CON CREW #5	$14,951.18	$70,441.12	$15,146.93	$64,733.40
LOCATION WORK	$3,669.04	$19,070.54	$6,749.55	$20,375.89
ENGINEERING OFFICE	$24,924.09	$126,047.09	$32,036.61	$107,092.17
GENERAL ENGINEERING DEPT.	$19,947.84	$97,505.41	$15,628.84	$81,567.55
ENV.COMPL. & SAFETY DEPT	$84,580.63	$268,143.07	$52,509.87	$207,042.11
TREATMENT DEPARTMENT	$381,827.34	$1,706,459.41	$368,373.73	$1,677,197.82
PUMP STATION DEPARTMENT	$62,810.35	$285,693.15	$53,106.32	$238,329.08
BILLING DEPARTMENT	$63,874.01	$306,114.31	$63,439.17	$283,843.96
ADMINISTRATIVE	$85,498.07	$405,346.10	$83,054.97	$381,189.34
LOSS (GAIN) ON PROPERTY DISPOSALS	$0.00	$12,816.68	$0.00	($8,281.67)
DEPRECIATION EXPENSE-NON VEHICLE	$330,767.62	$1,650,235.59	$324,049.26	$1,601,666.97
PENSION EXPENSE	$67,425.83	$333,396.65	$63,975.84	$316,206.70
TOTAL OPERATING EXPENSES	$1,366,783.05	$6,516,974.09	$1,391,581.04	$6,235,295.74
NON-OPERATING EXPENSES				
INTEREST ON DEBT-ALL BONDS	$84,237.21	$429,300.63	$77,705.96	$392,756.61
TOTAL NON-OPERATING EXPENSES	$84,237.21	$429,300.63	$77,705.96	$392,756.61
TOTAL EXPENSES	$1,451,020.26	$6,946,274.72	$1,469,287.00	$6,628,052.35

North Little Rock Wastewater
Income Statement
For the Five Months Ending Friday, May 31, 2019

	MAY 2019	YEAR TO DATE 2019	MAY 2018	YEAR TO DATE 2018
NET INCOME (LOSS) BEFORE UNUSUAL ITEMS	$567,168.58	$2,641,588.14	$406,620.71	$2,500,127.25
EMERGENCY REPAIRS	($13,349.09)	($13,349.09)	$0.00	$0.00
EXPENSES RELATED TO FIRE DAMAGE	$0.00	($47,270.53)	$0.00	$0.00
NET INCOME (LOSS)	553,819.49	2,580,968.52	406,620.71	2,500,127.25

(4)

COMPUTERIZED MAINTENANCE MANAGEMENT SYSTEM (CMMS)

A computerized maintenance management system (CMMS) is a software package that maintains a computer database of information about an organization's maintenance operations. CMMS helps keep a record of assets, helps schedule and track maintenance tasks, and helps keep a historical record of the work performed. NLRW will utilize the CMMS to:

- Track work orders
- Schedule tasks
- Track external work requests
- Record asset history
- Manage inventory
- Audit and certification of an asset's maintenance history

Projected costs including all licenses, connection fees and equipment will be $161,363 for Year-1 and approximately $100,000 for each subsequent year.

The 2019 Budget includes $150,000 for a CMMS program software and implementation with an additional $90,000 included for computer hardware.

Joe Rubisch, a representative of Azteca Systems, LLC, will be available for questions regarding the implementation and capabilities of the Cityworks AMS software.

ACTION REQUESTED:

Authorize staff to enter into an annual license agreement with Azteca Systems, LLC for Cityworks AMS Computerized Maintenance Management System software, and to enter into an annual agreement with True North Geographic Technologies for installation of the software, remote data storage, maintenance and support.

VERSION 1.2

5/30/2019

CITYWORKS

PROPOSAL FOR PURCHASE

PRESENTED BY: KYLE MORRISON
NORTH LITTLE ROCK WASTEWATER UTILITY
7400 BAUCUM PIKE
NORTH LITTLE ROCK, AR. 72117

CITYWORKS

Table of Contents

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Products	7
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Supporting Documents	Attached

Introduction to CMMS (Computerized Maintenance Management Software)

CMMS platforms enable municipalities to reduce and / or re-allocate capital investments, streamline operations, mitigate risk, and provide better satisfaction to citizens.

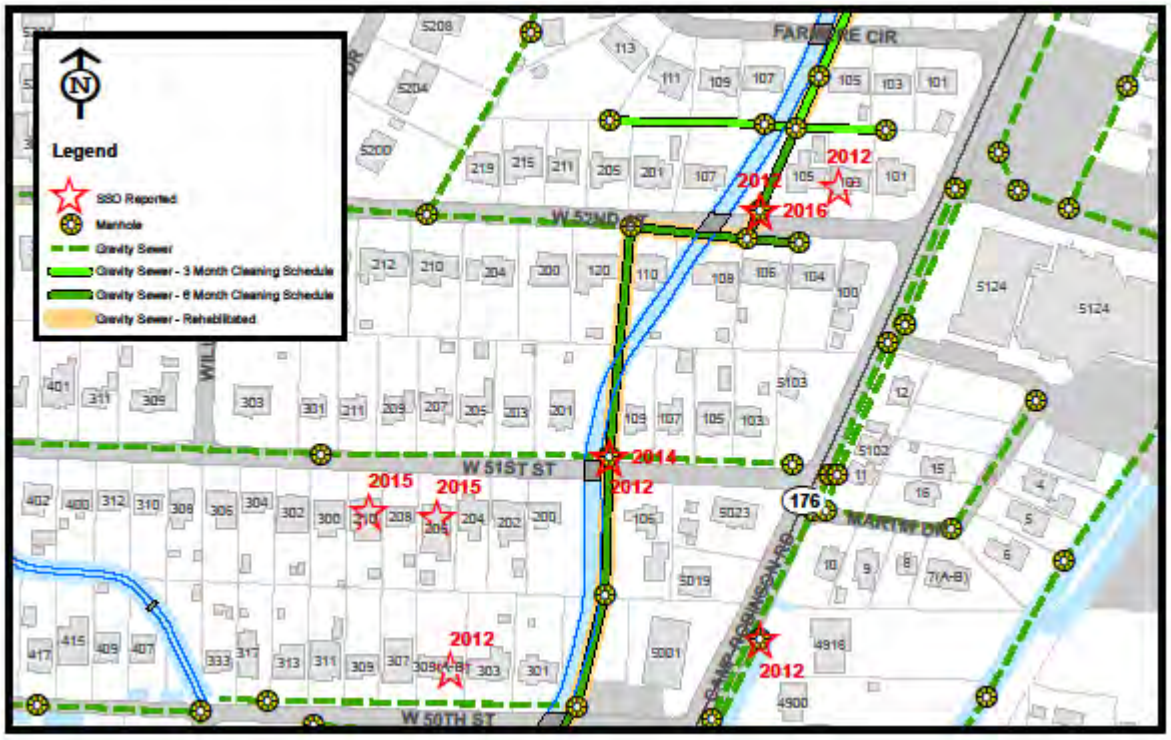
North Little Rock Wastewater Utility will utilize a CMMS to improve the business practices and quality control of the utility by:

- Reduction in capital expenditures / extension of average life of assets by:
    - Repairing high visibility assets before they fail.
    - Better assessing our collection system resulting in possibly less equipment purchases
    - Better ability to track usage and maintenance on vehicles resulting in replacement of vehicles at recommended depreciation value
    - Reallocating money savings to the most appropriate places of need.
- Operational Efficiency
    - Less time spent on administrative task and more time allocated to doing work that will make an impact.
    - Reduced or eliminated duplication of data entry.
    - Avoid duplicating expensive repairs.
    - More accurately guide cleaning and inspection crews to high trouble areas in your system.
    - Quicker and more accurate reporting
    - Better data sharing and planning ability between departments
    - Access to information for staff anywhere there is a computer.
- Liability Management
    - Allow the utility to analyze where SSO events are occurring to develop a more effective plan to fix the problem.
    - Maintains accurate collections system history for audits from the EPA and other regulatory agencies.
    - Allows staff the opportunity to respond to FOIA request faster and with more accurate information.
    - Avoid critical infrastructure / high visibility asset failures

Case Studies

Area: West 50th – 54th Street, NLR

Issue: Repeat Trouble Calls



Background:

This area has received 26 trouble calls in the past five years for SSOs and stop ups. There is a 15” gravity sewer main which parallels the Shillcutt Bayou in the area near W 51st street. NLRWU crews reported excessive roots as the cause and recommended a routine cleaning schedule as a preventative measure. The superintendent set up a bi-annual cleaning schedule for a rover Vaccon crew whose responsibilities included servicing many segments on routine cleaning cycles. This resulted in a significant reduction in SSOs in this area. A sewer system evaluation survey (SSES) was conducted in 2012. Several segments in the immediate area were recommended for cured-in-place pipeline rehabilitation but not the offending line segment. Therefore, the established cleaning schedule continued.

Problem:

On November 30, 2015 the Utility received a complaint report from ADEQ requesting corrective actions for SSOs reported at 206, 208 and 210 W 51st Street. The Utility responded with its standard trouble response followed by CCTV inspection and cleaning and determined the cause to be roots.

An internal records review revealed that the routine cleaning had not occurred. Staff admitted the method for tracking the routine maintenance schedule relied heavily on memory. A staff change had been made with the rover Vaccon crew and the former Crew Chief forgot to mention these sections of pipe to the new Crew Chief. Over time the roots infiltrated the pipe which restricted flow and SSOs occurred during rainfall events.

Solution Options:

Current method:

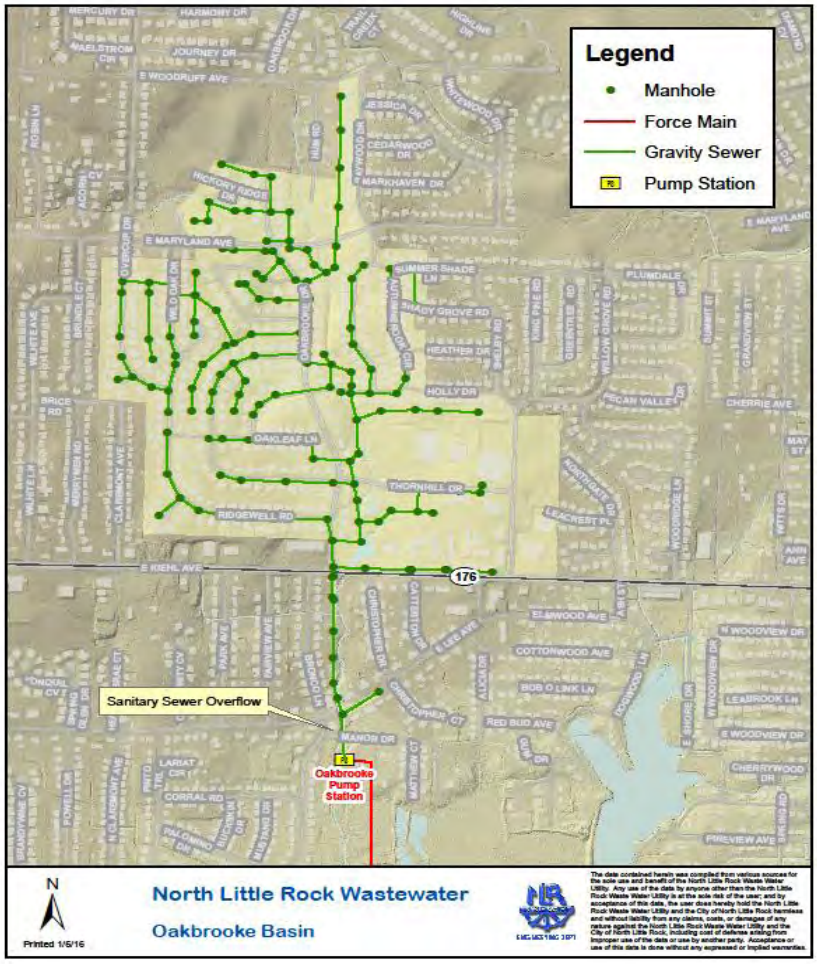
The Staff recognizes the current method of relying on memory can easily fail. Staff also recognizes that recovering the documentation of field activities and evaluating performance and cost effectiveness is difficult and time consuming with the current system.

CMMS:

With a CMMS work orders for routine cleaning operations can be automatically generated. Work orders can be tracked by a supervisor and reassigned to fit daily staffing and equipment availability. Work orders remain active until the tasks are completed including any follow up activities that may be required. Management can use the CMMS to evaluate efficiency, effectiveness and costs related to specific operations once the database is populated.

Area: Manor Drive Manhole

Issue: Data collection and responses



Background:

This manhole has overflowed several times. It was inspected by ADEQ in December 2015 due to citizen complaints and reported to the Utility. The Utility's response included the activities conducted by the trouble crew, the collection system rehabilitation recommendations based on the SSES performed in 2015 and the improvements on the pump station.

Problem:

In December of 2015 two incidents occurred involving this manhole. A citizen complained to ADEQ about the manhole overflowing and a site inspection was conducted by an ADEQ inspector. The Utility was notified and a response was required. When the Utility needs to gather information for responses to ADEQ or make decisions based on real data it is a time consuming task.

Solution Options:

Current Method:

Staff members must either rely on their memory or search through several databases in order to gather the information.

CMMS: The CMMS can track manhole inspections, cleaning activities upstream/downstream, any point repairs that have been made and any lining projects that have been completed in the area. All maintenance activity can be setup with automatically reoccurring work orders. These work orders will be stored in the CMMS and the history of the activity in the collection system will be easily attainable. This will facilitate gathering data about past and ongoing activities in a given area.

Area: Plant Operations

Issue: Missed Inspection

Background:

Plant Operations has a lot of equipment that requires annual inspections, monthly maintenance, calibration and part replacement.

Problem:

The annual inspection on the blower building generator was not conducted last year. The Utility failed to contact the manufacturer to conduct the inspection. The unit failed to exercise because the coolant leaked out. Consequently, there is an emergency repair needed; the cost is $4000.

Solution Options:

Current Method: Memory of staff to conduct calibrations or contact vendors for yearly inspections.

CMMS: Automatic annual inspection reminders can be set in the system to alert the supervisors when an inspection or calibration is due. The CMMS can also track part replacement, when and how much, so that decision on part and equipment purchases can be based on real data. These types of automated alerts would have prevented the missed inspection and saved money.

Products

The following products provided a demonstration and Q&A session for the staff:

1. Lucity
2. CityWorks
3. MobileMMS
4. Brown Engineering

All departments can utilize the CMMS:

	Maintenance and Engineering	Operations	Pump Maintenance	Laboratory
Control Maintainable Assets	X	X	X	X
Schedule Preventive Maintenance	X	X	X	X
Control PM Procedures	X	X	X	X
Control the Issue and Documentation of Maintenance Work	X	X	X	X
Schedule Calibration for Gauges and Instruments	X	X	X	X
Provide Analysis Tools for Maintenance Performance	X	X	X	X

Product (continued)

Based on the demonstrations from the four vendors the staff has chosen CityWorks as the best fit for the utility. The thing that set this vendor and software apart from the others was True North's staff familiarity with City Works, ESRI, and Cues Granite Net technologies and the ability to integrate and leverage CCTV inspection information into data useful in R&R decision making.

Product	Mapping	User Interface	Implementation
Lucity	X		
CityWorks	X	X	X
MobileMMS		X	
Brown Engineering		X	

Appendix A

Year	Estimated Cost	Notes
1	$161,363.00	Includes Implementation cost
2	$100,943.00	
3	$108,523.00	
4	$97,425.00	

*** All cost listed above reflects all licenses, connection fees and equipment needed.**

- CityWorks Enterprise License Agreement (ELA): Ramp quote to allow us to offset initial startup cost associated with implementation.

- 1st Year- $27,000.00 (40% Discount)
- 2nd Year-$37,000.00 (18% Discount)
- 3rd Year- $45,000.00 (Normal Price)

This would include the Server Asset Management System (AMS) Standard Enterprise License Agreement (ELA), includes unlimited quantities of the following products:

- Office
- Respond
- Mobile Native App (IOS/Android)

Includes the following:

- Storeroom
- Equipment Checkout
- Contracts
- Cityworks for excel
- Cityworks analytics for AMS
- eURL
- Workload
- Web Hooks
- CCTV Interface for PACP
- Local Government Template

- Esri Small Utility EA: $25,000.00

- Crystal Reports: $500.00

- Implementation Cost: $85,340.00

This would include:

- Hosting and Support
- Cityworks Server AMS Implementation
- Training
- Travel
- Additional Support and Services

Total 1st Year Software Implementation cost (Estimated)= $137,840.00

Moving forward, the following years would slowly increase in price as the ramp price increases as we are using the system more effectively. Those prices would look like the following:

Year 2 (Estimated): $89,420.00

This would include:

- Esri SUEA $25,000.00
- Cityworks Licenses $37,000.00
- Hosting and Support (Server maintenance) $15,900.00
- Additional Support (Optional) $11,520.00

Year 3 (Estimated): $97,000.00

- Esri SUEA $ 25,000.00
- Cityworks Licenses $45,000.00
- Hosting and Support (Server maintenance) $15,900.00
- Additional Support (Optional) $11,520.00

Year 4 and beyond (Estimated): $85,900.00

- Esri SUEA $ 25,000.00
- Cityworks Licenses $45,000.00
- Hosting and Support (Server maintenance) $15,900.00

Tablets or Computers for crews:

- Collection Systems: 18 Tablets
- Engineering: 4 Tablets
- Pump Maintenance:0
- Lab:0
- Operations:0
- Administration: 2 Tablets

Total Number of Tablets Needed:24

Recommended Tablets: IPad at an estimated cost of $500 per device

Monthly cost per tablet to connect to network: estimated $40.01

Total cost for tablets: estimated $12,000.00

Total yearly network cost(Yearly expense): estimated $11,522.88

(5)

2019 ARKANSAS RIVER FLOOD

Staff is present to advise regarding actions taken during flooding, facilities status and current conditions.