

A G E N D A

Maury Service Authority Regular Board Meeting

January 29, 2019 @ 5:00 P.M.

Water Treatment Plant

130 Osage Lane

Regular Board Meeting:

1. Approval of Minutes: December 4, 2018 Regular Monthly Board Meeting
2. Financial Report
3. Water Plant Production and Operation
 - a. Raw Water Pumping Station Valve Replacement
 - b. Raw Water Pump Maintenance
 - c. Boiler Replacement
 - d. WTP Truck Update
4. Wastewater Plant Treatment and Operation
 - a. Blower Failure and Replacement Update
 - b. Digester temporarily converted to Pre-treatment Reactor
 - c. Dissolved Oxygen Probes and Controls
 - d. UV Disinfection
 - e. Filter Reject Pumps
 - f. Polymer Feed Pumps
 - g. Effluent Filter
 - h. Influent Pumping Station Controls
 - i. Solids Dewatering Equipment
 - j. Solids Storage
 - k. Non-Potable Water Pumps
5. Rockbridge County PSA – Mrs. Alexander
6. City of Lexington – Mr. Martone
7. Unfinished Business:
 - a. Better Internet Options
 - b. Employee Transition Update
 - c. PSA Rt. 60 Pumping Station Update
 - d. Devils Backbone Brewery Coordination
 - e. Heliotrope Brewery Update
8. New Business:
 - a. FY2020 Budget Development
9. Other Business – Public Comment Session
10. Closed Session: NA
11. Next Board Meeting: Tuesday February 26, 2019 at 5:00 P.M.
12. Adjourn

ATTACHMENTS TO MAURY SERVICE AUTHORITY AGENDA

January 29, 2019

Attachment A: Minutes of Regular Board Meeting on December 04, 2018

Attachment B: Financial Report

I&I Revenue Sharing Account Balances

Account Balances

QuickBooks Financial Reports

Attachment C: Water Plant Production and Operation Report

ATTACHMENT A:

**MINUTES OF REGULAR BOARD MEETING
December 4, 2018**

Maury Service Authority

Minutes of the Board Meeting

Tuesday December 4, 2018

The regular monthly meeting of the Maury Service Authority Board of Directors was held in the board room of the Water Treatment Plant. In attendance were Chairman Capt. Ned Riester, Board members Mr. John Higgins; Mr. Jimmy Carter; Mr. JD Goad; and Mr. George Graves. Also, in attendance was L. Jordan Combs, MSA Executive Director; Mrs. Melissa Alexander, PSA Executive Director; Mrs. Sandra Stewart, Rockbridge Area Conservation Council; Mr. Ervin Buchanan, MSA WWTP Superintendent; Mr. Michael Loudermilk, MSA Maintenance Lead; William P. Johnson, Engineer with WPJ2PEPC; Brian Cossman, Engineer with Hurt and Profit; Gary LeClair Jr., Davenport; Mr. Noah Simon, City of Lexington City Manager; and Mrs. Christina Shea, MSA Administrative Secretary.

Regular Board Meeting:

1. Approval of Minutes: October 2018 Regular Monthly Board Meeting

Mr. Goad made the motion to approve the minutes for the May 2018 Regular Monthly Board Meeting and Mr. Carter seconded. Motion Passed.

2. Financial Report

Mr. Combs handed out the financial reports for the month of October. He pointed out that the Agenda Package includes the Bank Accounts Balance Sheet and the I&I Revenue Sharing Program balance as well as two reports each for water and wastewater that were gleaned from the QuickBooks software. That includes the general Profit & Loss report and the Expenses by Account Detail report. He provided attendees with the usual budget evaluations.

Mr. Combs noted the expected overages for both the Water Operation budget and the Wastewater Operations budget. Mr. Combs also indicated the first quarter of FY2019 provided higher revenues than the first quarter of FY2018. Mr. Combs pointed out the Maintenance budget line items are expected to go over budget for both the Water Operations and the Wastewater Operations. Due to only 4 months of data it is hard to project the extent of the budget overages and the revenue surplus' but Mr. Combs indicated this will become more evident as the FY 2020 is developed.

Mr. Combs indicated the amended budget items for the employee salary adjustment and the additional Water Operator and Wastewater Operator will not take affect until December, as decided at the October Board Meeting. Mr. Combs plans for this budget adjustment to be presented in the January Board meeting and in the FY2020 Budget Work Session.

3. Davenport Presentation on WTP Houston Street Water Loop Project and Debt Analysis

Gary LeClair, with Davenport, presented the debt analysis of the Water Operations and when to conduct the Houston Street Water Loop Project. The presentation is attached for reference and more detail. Mr. Combs reminded the Board that the MSA receives payment on a quarterly bases, therefore from a cashflow perspective the MSA needs to have cash in the operations account to cover the cost of operations between the quarterly billing. Mr. Combs also explained the risk of the existing pipe material (asbestos cement).

The Board discussed the presentation at length. The Board requested Mr. Combs revisit the discussion of the WTP Houston Street Water Loop Project after the FY2020 Budget is completed.

4. Water Plant Production and Operation

a. Lagoon Pump Out Update

Approximately half of the sediment has been pumped from the lagoon to drying-bed. The lagoon has not been pumped down in over 15 years. The pumping of the sediment had to stop due to the level in the drying-bed.

b. Raw Water Pumping Station Valve Replacement

The Raw Water Pumping Station valves will be replaced in the month of December.

c. Raw Water Pump Maintenance

The Raw Water Pump seals, bushings, and shaft replacement will be completed in December.

d. Boiler Replacement

The boiler stopped working in October. The boiler was installed during the original construction of the Water Treatment Plant. The boiler has been failing for several years and has been repaired on a regular basis over the last several years. Mr. Combs indicated receiving proposals for the boiler replacement. The boiler replacement is expected to cost approximately \$40,000.

5. Wastewater Plant Treatment and Operation

Items 5.C through 5.J are items at the Wastewater Treatment Plant that have failed and need to be repaired or replaced.

a. Blower Failure and Replacement Update

The temporary blower is installed and operational. Contracted with Blower Manufacturer and the blower is expected to be delivered in February.

b. Toxicity Event at the WWTP

Mr. Combs indicated the treatment plant is receiving approximately 30,000 gallons per day, 7 days a week, of leachate from the landfill.

i. Digester temporarily converted to Pre-treatment Reactor

Digester #1 was emptied and is currently being used as a Pre-treatment Reactor for the leachate. Currently MSA receives all the leachate into the Pre-treatment tank and the contents of the Pre-treatment Reactor are slowly and continuously pumped into the wastewater treatment system. The pretreatment has proven to be successful.

Mr. Combs was directed to conduct a follow-up meeting with the costumers and the BRRA concerning the leachate and the treatment.

Mr. Combs indicated the pre-treatment process appears to be successful, but the treatment facility cannot continue to use the Digester as a pre-treatment reactor. The digester is needed for the digestion of the solids. Not having the Digester available for digestion puts

a significant burden on the operations of the treatment facility and will require significant additional effort and potential additional costs. Mr. Combs indicated the MSA will need to begin thinking about the pretreatment requirements of all Non-residential quality waste streams. The adverse effect of non-residential quality waste stream is becoming more apparent and is continuing to have significant impact on the operations and performance of the treatment facility.

- c. Dissolved Oxygen Probes and Controls
- d. UV Disinfection
- e. Filter Reject Pumps
- f. Polymer Feed Pumps
- g. Effluent Filter
- h. Influent Pumping Station Controls
- i. Solids Dewatering Equipment
- j. Solids Storage

6. Rockbridge County PSA – Mrs. Alexander
No Comment.

7. City of Lexington – Mr. Simon

Mr. Simon reported the City is currently considering conducting a stormwater study for the City of Lexington. This study is estimated to cost approximately \$65,000. The city is considering conducting the study mid-budget year. The study may result in storm water rates for the costumers of the City of Lexington. The storm water rate would be in addition to the sewer and water rates.

8. Unfinished Business:

a. Better Internet Options

Conversations with BARC Connects are still ongoing. Expected construction cost is approximately \$6,000. Originally it was expected to cost over \$13,000.

b. Employee Transition Update

The MSA has received several applications for the wastewater and water operator positions. Mr. Combs, Mr. Deberry, and Mr. Buchanan are conducting interviews of the applicants this month.

c. PSA Rt. 60 Pumping Station Update

The Rt. 60 Pumping Station still under design. The Construction has been postponed.

d. Devils Backbone Brewery Coordination

The Devils Backbone Brewery has not coordinated to discharge beer to the system.

e. Heliotrope Brewery Update

The significant discharger application has not been completed by the brewery.

9. New Business:

a. Treatment Facility Security

One of the trucks at the Water Treatment Plant was stolen and driven through the cable by the front gate. The police have been notified and they are investigating the stolen truck.

b. FY2020 Budget Development Schedule

Mr. Goad and Mr. Graves volunteered to be on the Budget Review Committee. The Budget Committee will meet during the month of January prior to the Budget Work Session.

10. Other Business – Public Comment Session

No comment.

11. Closed Session: NA

12. Next Board Meeting: *Tuesday January 29, 2019 at 5:00 P.M.*

13. Meeting Adjourned *at 6:23 pm.*

MSA Chairman

MSA Executive Director

ATTACHMENT B:

**FINANCIAL REPORT
I&I REVENUE SHARING ACCOUNT BALANCES
ACCOUNT BALANCES
QUICKBOOKS FINANCIAL REPORTS**

I&I Cost Sharing

12/30/2018

MSA \$ input

Lexington Acct.**PSA Acct.***Deposit**Withdrawal**Balance**Deposit**Withdrawal**Balance*

FY2013	\$200,000.00	\$134,933.00		\$134,933.00	\$65,067.00		\$65,067.00
8/12/2013 expense				\$134,933.00		\$29,395.00	35,672.00
9/12/2013 expense			\$3,196.00	\$131,737.00			35,672.00
FY2014	\$150,000.00	\$101,250.00		\$232,987.00	\$48,750.00		84,422.00
4/16/2014			\$10,585.00	\$222,402.00			84,422.00
4/22/2014				\$222,402.00		\$10,585.00	73,837.00
6/19/2014				\$222,402.00		\$7,772.09	66,065.00
6/15/2015			\$16,937.50	\$205,465.00			66,065.00
8/25/2015	\$250,000.00	\$161,750.00		\$367,215.00	\$88,250.00		154,315.00
FY 2017							
9/29/2016			\$93,715.90	\$273,499.00			154,315.00
12/20/2016	\$100,000.00	\$57,060.00		\$330,559.00	\$42,940.00		197,255.00
FY 2018							
8/23/2017			\$36,280.30	\$294,178.00			197,255.00
10/12/2017			\$39,998.89	\$254,279.00			197,255.00

Note: 75% of new projects will be paid for through this I&I Cost Sharing Account

MSA Water Account Balances

1/25/2018

Bank	Acct #	11/30 <i>Opening Balance</i>	<i>Deposits</i>	<i>Withdrawals</i>	12/31 <i>Ending Balance</i>
Cornerstone	...2277 Operations Checking	\$511,282.17	\$31,826.12	\$97,274.73	\$445,833.56
Cornerstone	...3513 Asset R&R (cash)	\$69,441.57	\$11.80	\$0.00	\$69,453.37
Cornerstone	...9765 Asset R&R (CD)	\$76,580.08	\$62.97	\$0.00	\$76,643.05
Cornerstone	...8759 Water Debt Res CD	\$308,637.50	\$571.28	\$0.00	\$309,208.78
	Total	\$776,118.97			\$901,138.76

MSA Wastewater Acct Balances

Bank	Acct #	<i>Opening Balance</i>	<i>Deposits</i>	<i>Withdrawals</i>	<i>Ending Balance</i>
Cornerstone6998 Operations Checking	\$533,156.01	\$168,454.07	\$361,441.36	\$340,168.72
	Lex I&I Rev Sharing	\$254,279.00			\$254,279.00
	PSA I&I Sharing	\$197,255.00			\$197,255.00
Cornerstone3662 Asset R&R (cash)	\$547,786.58	\$186.13	\$0.00	\$547,972.71
Cornerstone	...9757 Asset R&R (CD)	\$510,533.89	\$419.78	\$0.00	\$510,953.67
	Total	\$1,373,070.86			\$1,399,095.10
	TOTAL	<u>\$2,149,189.83</u>			<u>\$2,300,233.86</u>

Maury Service Authority
Profit & Loss Wastewater
December 2018

	TOTAL
Ordinary Income/Expense	
Expense	
5298 · Wastewater Operating Account	
5300 · Electricity	26,602.74
5302 · Chemicals	6,141.09
5304 · Wages	37,449.81
5306 · Accounting	1,921.35
5312 · Contract Services	97.59
5316 · Education	803.47
5318 · Gas, grease, oil	290.14
5326 · Insurance - Health	5,192.37
5327 · Landfill Contract	360.00
5328 · Janitorial Supplies	20.35
5330 · Lab Supplies	18,201.52
5334 · Maintenance	6,045.54
5336 · Monitoring	3,228.05
5338 · Office Expense	813.92
5340 · Payroll Taxes	5,396.01
5344 · Professional Fees	406.89
5352 · Telephone	143.62
5354 · Travel	25.31
5356 · Vehicles	537.40
5358 · VRS	4,679.23
5360 · Wearing Apparel	69.78
5362 · Solids Handling	2,027.46
5370 · IT Contract	444.63
Total 5298 · Wastewater Operating Account	120,898.27
Total Expense	120,898.27
Net Ordinary Income	-120,898.27
Other Income/Expense	
Other Income	
Interest Income	
4304 · Interest Earned-WW	34.82
Total Interest Income	34.82
Total Other Income	34.82
Net Other Income	34.82
Net Income	-120,863.45

Maury Service Authority
Transaction Detail By Account
December 2018

Type	Date	Name	Class	Amount
5298 · Wastewater Operating Account				
5300 · Electricity				
Bill	12/18/2018	Dominion 135 Bob Akins Cir	Wastewater	18,644.91
Bill	12/18/2018	Dominion Rt 631	Wastewater	7,276.35
Bill	12/18/2018	Dominion 65 Bob Akins Cir...	Wastewater	672.45
Bill	12/18/2018	Dominion 31 Furrs Mill Rd	Wastewater	9.03
Total 5300 · Electricity				26,602.74
5302 · Chemicals				
Bill	12/21/2018	ProChem Inc.	Wastewater	6,141.09
Total 5302 · Chemicals				6,141.09
5304 · Wages				
Bill	12/01/2018	Minnesota Life	Wastewater	42.16
Bill	12/01/2018	Aflac	Wastewater	849.06
Bill	12/03/2018	VRS	Wastewater	1,448.49
Bill	12/06/2018	ICMARC	Wastewater	98.14
Bill	12/06/2018	ICMARC	Wastewater	105.14
Bill	12/06/2018	ICMARC	Wastewater	100.00
Bill	12/07/2018	Paychex	Wastewater	13,705.15
Bill	12/10/2018	Anthem	Wastewater	2,321.40
Bill	12/11/2018	Paychex	Wastewater	4,295.50
Bill	12/19/2018	ICMARC	Wastewater	100.00
Bill	12/21/2018	Paychex	Wastewater	1,324.05
Bill	12/21/2018	Paychex	Wastewater	12,874.50
Bill	12/26/2018	Colonial Life Insurance	Wastewater	158.62
Total 5304 · Wages				37,422.21
5306 · Accounting				
Bill	12/03/2018	Paychex	Wastewater	1,739.52
Bill	12/07/2018	Paychex	Wastewater	94.94
Bill	12/21/2018	Paychex	Wastewater	86.89
Total 5306 · Accounting				1,921.35
5312 · Contract Services				
Bill	12/18/2018	Rockbridge Global Village	Wastewater	42.99
Bill	12/31/2018	Virginia Utility Protection Se...	Wastewater	54.60
Total 5312 · Contract Services				97.59
5316 · Education				
Bill	12/01/2018	Master Card Water	Wastewater	199.40
Bill	12/01/2018	Master Card Wastewater	Wastewater	100.00
Bill	12/01/2018	Master Card Administrative	Wastewater	504.07
Total 5316 · Education				803.47
5318 · Gas, grease, oil				
Bill	12/31/2018	Sheetz	Wastewater	290.14
Total 5318 · Gas, grease, oil				290.14
5326 · Insurance - Health				
Bill	12/10/2018	Anthem	Wastewater	5,192.37
Total 5326 · Insurance - Health				5,192.37
5327 · Landfill Contract				
Bill	12/01/2018	C & S Disposal, Inc	Wastewater	360.00
Total 5327 · Landfill Contract				360.00
5328 · Janitorial Supplies				
Bill	12/01/2018	Master Card Wastewater	Wastewater	20.35
Total 5328 · Janitorial Supplies				20.35

Maury Service Authority
Transaction Detail By Account
December 2018

Type	Date	Name	Class	Amount
5330 · Lab Supplies				
Bill	12/01/2018	Master Card Water	Wastewater	2,078.66
Bill	12/01/2018	Master Card Administrative	Wastewater	625.24
Deposit	12/04/2018	VMI CE Dept.	Wastewater	-1,860.63
Bill	12/06/2018	Hach Company	Wastewater	437.45
Bill	12/06/2018	Hach Company	Wastewater	298.49
Bill	12/21/2018	Traci Montgomery	Wastewater	10.15
Bill	12/21/2018	Fisher Scientific	Wastewater	659.68
Bill	12/21/2018	Fisher Scientific	Wastewater	264.18
Bill	12/22/2018	Lexington RX Center	Wastewater	106.77
Bill	12/26/2018	Hach Company	Wastewater	1,206.87
Bill	12/26/2018	Hach Company	Wastewater	14,374.66
Total 5330 · Lab Supplies				18,201.52
5334 · Maintenance				
Bill	12/01/2018	fisher Auto Parts	Wastewater	32.36
Bill	12/01/2018	Master Card Water	Wastewater	601.94
Bill	12/01/2018	Master Card Wastewater	Wastewater	1,332.80
Bill	12/01/2018	Master Card Wastewater	Wastewater	298.55
Bill	12/01/2018	Master Card Administrative	Wastewater	595.92
Bill	12/03/2018	Atlantic Pump & Equipment...	Wastewater	2,680.00
Bill	12/05/2018	Usa Blue Book	Wastewater	377.81
Bill	12/14/2018	ARC 3	Wastewater	39.96
Bill	12/31/2018	Rockbridge Farmers Co-op	Wastewater	86.20
Total 5334 · Maintenance				6,045.54
5336 · Monitoring				
Bill	12/04/2018	Pace Analytical	Wastewater	3,228.05
Total 5336 · Monitoring				3,228.05
5338 · Office Expense				
Bill	12/01/2018	Master Card Water	Wastewater	175.90
Bill	12/01/2018	Master Card Wastewater	Wastewater	211.40
Bill	12/01/2018	Master Card Administrative	Wastewater	131.77
Bill	12/06/2018	Simar Enterprises	Wastewater	183.98
Bill	12/12/2018	The News Gazette	Wastewater	52.52
Bill	12/12/2018	The News Gazette	Wastewater	58.35
Total 5338 · Office Expense				813.92
5340 · Payroll Taxes				
Bill	12/11/2018	Paychex	Wastewater	1,400.78
Bill	12/21/2018	Paychex	Wastewater	3,995.23
Total 5340 · Payroll Taxes				5,396.01
5344 · Professional Fees				
Bill	12/17/2018	Annette Matheny PC	Wastewater	406.89
Total 5344 · Professional Fees				406.89
5352 · Telephone				
Bill	12/22/2018	Century Link	Wastewater	143.62
Total 5352 · Telephone				143.62
5354 · Travel				
Bill	12/01/2018	Master Card Administrative	Wastewater	25.31
Total 5354 · Travel				25.31
5356 · Vehicles				
Bill	12/01/2018	Master Card Wastewater	Wastewater	77.40
Bill	12/31/2018	Rockbridge Farmers Co-op	Wastewater	460.00
Total 5356 · Vehicles				537.40

Maury Service Authority
Transaction Detail By Account
December 2018

Type	Date	Name	Class	Amount
5358 · VRS				
Bill	12/03/2018	VRS	Wastewater	4,475.95
Bill	12/06/2018	ICMARC	Wastewater	98.14
Bill	12/06/2018	ICMARC	Wastewater	105.14
Total 5358 · VRS				4,679.23
5360 · Wearing Apparel				
Bill	12/06/2018	Gary Gooper	Wastewater	69.78
Total 5360 · Wearing Apparel				69.78
5362 · Solids Handling				
Bill	12/04/2018	Houff's Feed & Fertilizer	Wastewater	1,728.00
Bill	12/12/2018	The News Gazette	Wastewater	141.75
Bill	12/12/2018	The News Gazette	Wastewater	141.75
Bill	12/31/2018	Rockbridge Farmers Co-op	Wastewater	15.96
Total 5362 · Solids Handling				2,027.46
5370 · IT Contract				
Bill	12/05/2018	J L Computers Inc.	Wastewater	444.63
Total 5370 · IT Contract				444.63
Total 5298 · Wastewater Operating Account				120,870.67
TOTAL				120,870.67

Maury Service Authority
Profit & Loss Water
December 2018

	TOTAL
Ordinary Income/Expense	
Expense	
5098 · Water Operating Account	
5100 · Electricity	17,879.83
5104 · Wages	23,716.93
5106 · Accounting	406.88
5112 · Contract Services	46.00
5116 · Education	263.43
5118 · Gas, grease, oil	121.06
5126 · Insurance - Health	4,370.70
5134 · Maintenance	2,665.95
5136 · Monitoring	286.52
5138 · Office Expense	187.90
5140 · Payroll Taxes	1,703.93
5144 · Professional Fees	750.00
5152 · Telephone	207.70
5154 · Travel	200.37
5170 · IT Contract	444.62
5240 · Loop Project P&I	23,858.00
Total 5098 · Water Operating Account	77,109.82
Total Expense	77,109.82
Net Ordinary Income	-77,109.82
Other Income/Expense	
Other Income	
Interest Income	
4005 · Interest Earned-Water	80.42
Total Interest Income	80.42
Total Other Income	80.42
Net Other Income	80.42
Net Income	-77,029.40

Maury Service Authority
Transaction Detail By Account
December 2018

Type	Date	Name	Class	Amount
5098 · Water Operating Account				
5100 · Electricity				
Bill	12/14/2018	Dominion 501 Enfield rd.	Water	25.61
Bill	12/17/2018	Dominion 417 Enfield Rd.	Water	5,522.57
Bill	12/17/2018	Dominion 130 Osage Ln.	Water	7,710.10
Bill	12/17/2018	Dominion W Rt 60	Water	4,496.16
Bill	12/21/2018	dominion Enfield rd	Water	125.39
Total 5100 · Electricity				17,879.83
5104 · Wages				
Bill	12/01/2018	Aflac	Water	241.42
Bill	12/07/2018	Paychex	Water	9,165.24
Bill	12/07/2018	Paychex	Water	2,241.32
Bill	12/10/2018	Anthem	Water	1,132.30
Bill	12/21/2018	Paychex	Water	8,552.70
Bill	12/21/2018	Paychex	Water	2,106.29
Bill	12/26/2018	Colonial Life Insurance	Water	277.66
Total 5104 · Wages				23,716.93
5106 · Accounting				
Bill	12/17/2018	Annette Matheny PC	Water	406.88
Total 5106 · Accounting				406.88
5112 · Contract Services				
Bill	12/18/2018	Rockbridge Global Village	Water	46.00
Total 5112 · Contract Services				46.00
5116 · Education				
Bill	12/01/2018	Master Card Water	Water	220.00
Bill	12/01/2018	Master Card Administrative	Water	43.43
Total 5116 · Education				263.43
5118 · Gas, grease, oil				
Bill	12/27/2018	Columbia Gas	Water	60.17
Bill	12/31/2018	Sheetz	Water	60.89
Total 5118 · Gas, grease, oil				121.06
5126 · Insurance - Health				
Bill	12/10/2018	Anthem	Water	4,370.70
Total 5126 · Insurance - Health				4,370.70
5127 · Landfill Contract				
Bill	12/10/2018	C & S Disposal, Inc	Water	51.00
Total 5127 · Landfill Contract				51.00
5134 · Maintenance				
Bill	12/01/2018	Thyssenkrupp	Water	264.90
Bill	12/01/2018	Master Card Water	Water	761.05
Bill	12/24/2018	Instrumentation Services I...	Water	1,640.00
Total 5134 · Maintenance				2,665.95
5136 · Monitoring				
Bill	12/04/2018	Pace Analytical	Water	286.52
Total 5136 · Monitoring				286.52
5138 · Office Expense				
Bill	12/01/2018	Master Card Water	Water	74.02
Bill	12/01/2018	Master Card Administrative	Water	113.88
Total 5138 · Office Expense				187.90

Maury Service Authority
Transaction Detail By Account
December 2018

Type	Date	Name	Class	Amount
5140 · Payroll Taxes				
Bill	12/07/2018	Paychex	Water	882.22
Bill	12/21/2018	Paychex	Water	821.71
Total 5140 · Payroll Taxes				1,703.93
5144 · Professional Fees				
Bill	12/09/2018	Cash's Parts and Repair	Water	750.00
Total 5144 · Professional Fees				750.00
5152 · Telephone				
Bill	12/22/2018	Century Link	Water	56.91
Bill	12/22/2018	Century Link	Water	150.79
Total 5152 · Telephone				207.70
5154 · Travel				
Bill	12/01/2018	Master Card Administrative	Water	43.61
Bill	12/27/2018	Jordan Combs	Water	156.76
Total 5154 · Travel				200.37
5170 · IT Contract				
Bill	12/05/2018	J L Computers Inc.	Water	444.62
Total 5170 · IT Contract				444.62
5240 · Loop Project P&I				
Bill	12/07/2018	USDA RD DEFO Payment	Water	23,858.00
Total 5240 · Loop Project P&I				23,858.00
Total 5098 · Water Operating Account				77,160.82
5298 · Wastewater Operating Account				
5304 · Wages				
Bill	12/01/2018	Minnesota Life	Water	27.60
Total 5304 · Wages				27.60
Total 5298 · Wastewater Operating Account				27.60
TOTAL				77,188.42

ATTACHMENT C:

WATER PLANT PRODUCTION AND OPERATION REPORT

December 2018

TO: The Maury Service Authority
FROM: Roger F. DeBerry, Jr., Water Plant Superintendent
SUBJECT: Monthly Report – Water Treatment Plant

During the month, we processed 41.255 million gallons of raw water to an average quality of .029 NTU, pH 7.17, chlorine 1.69 MG/L, and fluoride 0.66 MG/L. All results were 100% compliant with State and Federal regulations.

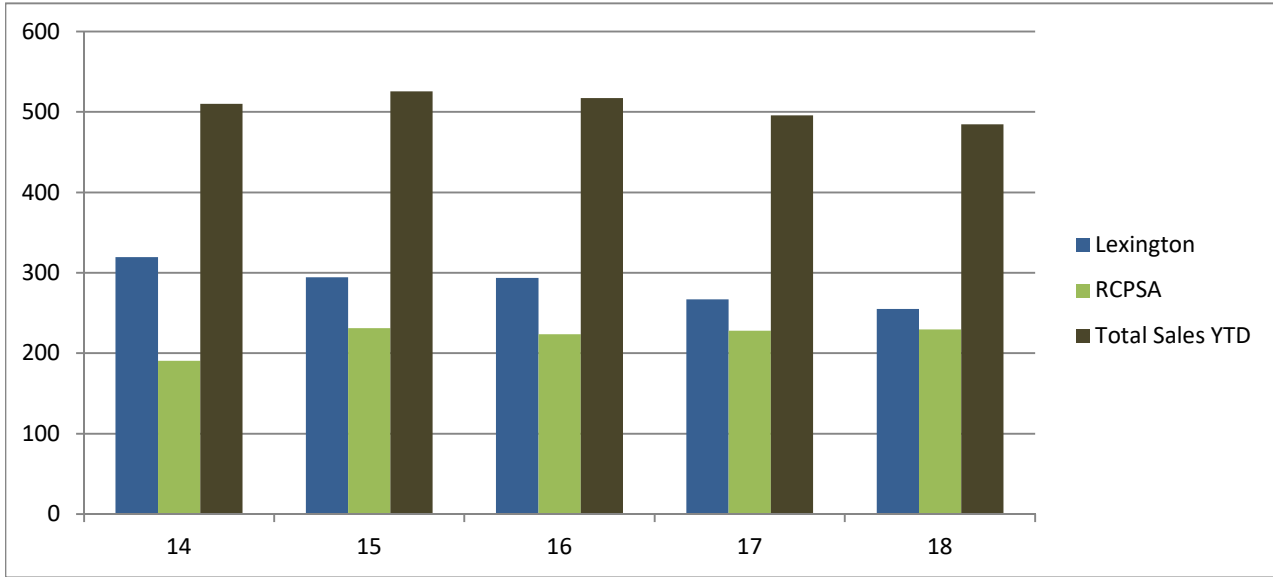
	2018	2017	VARIANCE
City of Lexington, MG	25.713	16.830	+8.883
RCPSA, MG	18.512	18.691	-.179
Total Water Sales	44.225	35.521	+8.704

During the month, we discharged .400 million gallons from the treatment lagoons.

PERMIT REQUIREMENTS (Lagoon)	VALUES	EXCEPTIONS
(Reported every calendar quarter starting 2012)		
PH 6.0 Min – 9.0 MAX	7.22	0
TSS 60 MG/L MAX	0.9	0

WATER SALE TOTALS FY '14-'18

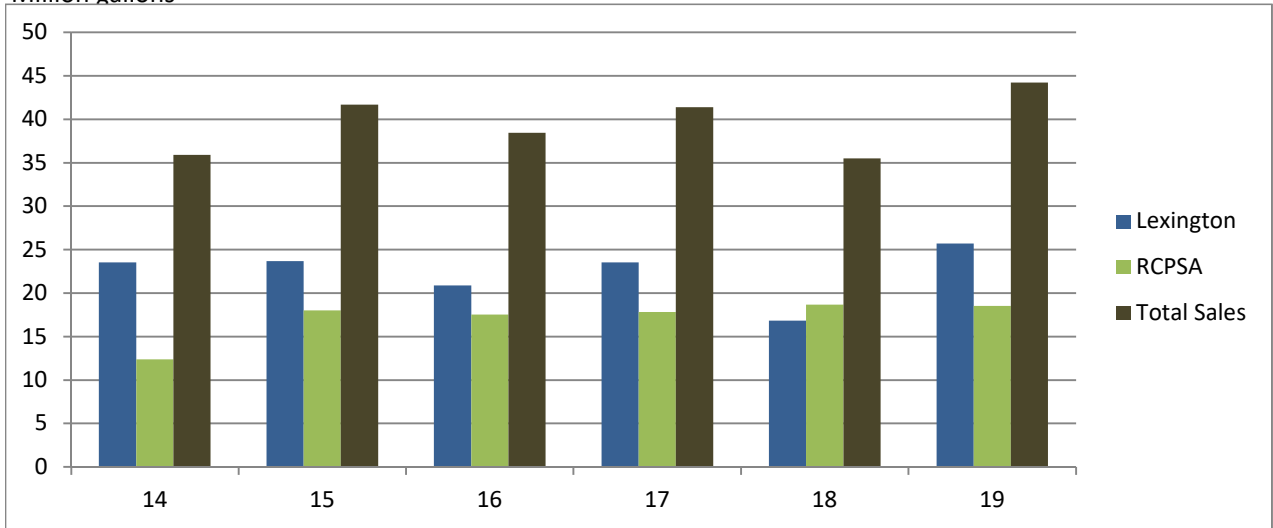
Million gallons



\$ SALES	#####	\$1,293,242	\$ 1,280,173	\$ 1,264,575	\$ 1,260,160
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December Totals for FY '14-'19

Million gallons



\$ SALES	\$ 79,366	\$ 102,572	\$ 95,331	\$ 105,532	\$ 92,355	\$ 120,293
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Water Sales	Fiscal Year Totals				
FY '14-'18	14	15	16	17	18
Lexington	319.606	294.461	293.643	267.033	254.999
RCPSA	190.404	231.247	223.625	227.987	229.678
Total Sales YTD	510.01	525.708	517.268	495.912	484.677
\$ SALES	\$ 1,142,422	\$ 1,293,242	\$ 1,280,173	\$ 1,264,575	\$ 1,260,160
Per Mil Gal	2210	2460	2480	2550	2600

Monthly	Fiscal Years '14-'19		for the month of December			
Dec. '19/FY19	14	15	16	17	18	19
Lexington	23.522	23.684	20.9	23.553	16.830	25.713
RCPSA	12.39	18.012	17.54	17.832	18.691	18.512
Total Sales	35.912	41.696	38.44	41.385	35.521	44.225
\$ SALES	\$ 79,366	\$ 102,572	\$ 95,331	\$ 105,532	\$ 92,355	\$ 120,293
Per Mil Gal	2210	2460	2480	2550	2600	2720

ATTACHMENT D:

WASTEWATER PLANT PRODUCTION AND OPERATION REPORT

DECEMBER 2018

To: Maury Service Authority
 From: Ervin Buchanan, Superintendent
 Subject: Monthly Report - Wastewater Treatment Plant

During the month, we processed 44.498 million gallons of wastewater according to Eff flow meter
 The average quality of BOD is 2 MG/L And 2.3 MG/L of TSS.

	<u>PERMIT REQUIREMENTS</u>		<u>VALUES</u>	<u>EXCEPTIONS</u>
Flow	3.0 MGD	Continuous Recording	1.21 avg. 4.68 max	0
pH	6.1 MIN	9.5 MAX	6.9 min 8.2 max	0
BOD ₅	340.0 KG/D	MAX Weekly Average	7 avg. 14 max	0
BOD ₅	45.0 MG/L	MAX Weekly Average	2 avg. 4 Max	0
TSS	340.0 KG/D	MAX Weekly Average	13 avg. 13 Max	0
TSS	45.0 MG/L	MAX Weekly Average	2.3 avg. 2.3 Max	0
DO	5.0 MIN		9.0 min	0
E Coli	126 N/CML	3 Day Weekly Average	9 avg.	0

Ammonia	0.20 avg. 0.6 Max			0
(Reported June - November)				

	<u>Allocations</u>	<u>Current</u>	<u>Year to Date</u>
TN	54,820 lbs/yr	694 lbs/mo	10825 lb/ytd
TP	4,568 lbs/yr	12 lbs/mo	424 lb/ytd

Contributor Flow Data Analysis

		<u>FLUME</u>	<u>TOTAL</u>	<u>% of flow</u>
RCPSA	R3	2.5	9.128	25.78
	R9	6.628		
Unmetered	631	0		
Lexington	L12	35.413	35.413	74.22