

A G E N D A

Maury Service Authority Regular Board Meeting

February 26, 2019 @ 5:00 P.M.

Water Treatment Plant

130 Osage Lane

Regular Board Meeting:

1. Approval of Minutes: January 29, 2018 Regular Monthly Board Meeting
2. Financial Report
3. Water Plant Production and Operation
 - a. Raw Water Pumping Station Electrical Repair
 - b. Raw Water Pump Motor Replacement
 - c. Generator Repairs
4. Wastewater Plant Treatment and Operation
 - a. Blower Failure and Replacement Update
 - b. Blower #2 Motor Replacement
 - c. Digester temporarily converted to Pre-treatment Reactor
 - d. Solids Storage
 - e. Non-Potable Water Pumps
 - f. Excessive Inflow and Infiltration (I&I)
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. Proposed FY 2020 Budget and Rates
9. Other Business – Public Comment Session
10. Closed Session: NA
11. Next Board Meeting: Tuesday March 26, 2019 at 5:00 P.M.
12. Adjourn

ATTACHMENTS TO MAURY SERVICE AUTHORITY AGENDA

February 26, 2019

Attachment A: Supplemental Information to Agenda Items

Attachment B: Minutes of Regular Board Meeting on January 29, 2018

Attachment C: Financial Report

I&I Revenue Sharing Account Balances

Account Balances

QuickBooks Financial Reports

Attachment D: Wastewater Plant Production and Operation Report

ATTACHMENT A:
SUPPLEMENTAL INFORMATION TO
AGENDA ITEMS

**SUPPLEMENTAL INFORMATION
TO AGENDA ITEMS
Maury Service Authority Regular Board Meeting
February 26, 2018
5:00 P.M.**

This document is intended to provide brief supplemental information, background, etc. for several items on the Agenda.

Agenda Item 3.a: Raw Water Pumping Station Electrical Repair

The Raw Water Pumping Station Motor Control Center had the Raw Water Pump breakers fail and caused the Busbar to char and burn. The breakers for the Pumps are obsolete. The Electrician had 2 used breakers but is usable condition. These breakers were installed to get the pumping station operating. We are currently working on the long-term solution.

Agenda Item 3.b: Raw Water Pump Motor Replacement

The Raw Pump #2 motor failed. The motor is 15-20 years old. The spare motor was installed, and the failed motor was sent back to the manufacturer for inspection and repair. The spare motor is from 1985 and was rebuilt 15-20 years ago.

Agenda Item 3.c: Generator Repairs

The Enfield Pumping Station Generator fuel pump failed. The fuel pump has been replaced and the generator is in service.

Agenda Item 4.a: Blower Failure and Replacement Update

The blower that supplies air to the Digesters #1 and #2 caught on fire and has been replaced and is in service. There were complications during start-up of the blower, but the blower is now operating as intended.

Agenda Item 4.d: Blower #2 Motor Replacement

Blower #2 that supplies air to the digesters motor failed. A repaired motor was used to replace the failed motor. We now have 3 blowers operating.

Agenda Item 8.a: Proposed FY 2020 Budget and Rates

Based on the February 19 Budget Work Session, the proposed rates will need to be voted on to be publicly advertised during the month of March. The Proposed rates are as follows:

- *Sewer Rate: \$6.50/Thousand Gallons*
- *Water Rate: \$3.32/Thousand Gallons*
- *Leachate Rate: \$20.00/Thousand Gallons*
- *Septage Rate: \$83.95/Thousand Gallons*

The Proposed Rates are dependent on financing the Facility Assessment Studies through the Wastewater Asset R&R Account and the availability of the I&I Revenue Sharing Fund to the MSA.

End of Page

ATTACHMENT B:

**MINUTES OF REGULAR BOARD MEETING
JANUARY 29, 2019**

Maury Service Authority

Minutes of the Board Meeting

Tuesday January 29, 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; Kit Huffman, Reporter for the News Gazette; Mr. Alligood, Citizen of the City of Lexington; Mr. Noah Simon, City of Lexington City Manager; Mr. Gary Swink, City of Lexington Finance Director; Mr. Jeff Martone, City of Lexington Director of Public Works; Leslie Straughan, Lexington City Council Member; Chuck Smith, Lexington City Council Member; Mr. Tom Timmes, Professor at Virginia Military Institute; two citizen representative of local business; and Mrs. Christina Shea, MSA Administrative Secretary.

Regular Board Meeting:

1. Approval of Minutes: December 4, 2018 Regular Monthly Board Meeting

Mr. Carter made the motion to approve the minutes for the December 2018 Regular Monthly Board Meeting and Mr. Graves seconded. Motion Passed. Mr. Graves noted one correction to the December 2018 meeting minutes; Change the reference from May 2018 monthly meeting to October 2018 Regular Monthly Board Meeting.

2. MR. Tom Timmes was introduced:

Mr. Timmes is a professor at the Virginia Military Institute. He teaches the Wastewater and Water courses. He has several students that are interested in participating in a VWEA student competition paper that provided potential solutions to "real world". Mr. Timmes indicated the students were going to conduct their paper on the treatability of brewery effluent and landfill leachate. They do not intend to name any of the participants in the competition paper. The MSA Board discussed and was generally supportive of the student's competition paper. Mr. Combs was directed to support the students where possible. Mr. Timmes indicated lab testing costs would be covered by VMI CEE Department if needed.

3. Financial Report

Mr. Combs handed out the financial reports for the month of December. December marks the midpoint for FY2019.

The Agenda Package included 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 and second quarter of FY2019 provided higher revenues than the first and second quarter of FY2018. The high revenues are due to the significant Inflow and Infiltration (I&I) due to the aged infrastructure. Mr. Combs noted from the FY2020 budget development both the Water Operations expenses and the Wastewater Operations

expenses are expected to be significantly over budget. Mr. Combs pointed out this was mostly due to the adjustments associated with the employees from the October Board Meeting and Work Session, additional maintenance requirements due to aged facilities, and over corrections in FY2019 electrical budget line items. Mr. Combs also articulated and discussed the additional revenue expected to be received for both water and wastewater operations will offset the anticipated expense overages.

4. Water Plant Production and Operation

a. Raw Water Pumping Station Valve Replacement

The Raw Water Pumping Station valves were replaced in the month of December and are currently operating.

b. Raw Water Pump Maintenance

The Raw Water Pump seals, bushings, and shaft have been replaced. The pump is currently operating.

c. Boiler Replacement

The boiler has been replaced.

d. WTP Truck Update

The truck has been recovered by authorities and has been returned to the MSA. The truck did not appear to be damaged.

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. 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.

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

6. Rockbridge County PSA – Mrs. Alexander

No Comments

7. City of Lexington – Mr. Martone

Mr. Martone asked about the status of the DPW Significant Discharge Application. Mr. Combs indicated the review and response should be completed in the month of February.

Mr. Combs indicated there are a total of four Significant Discharge Applications received from the MSA customers. Mr. Combs indicated the applications are currently under review.

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. BARC is currently coordinating with the power for the installation of BARC fiber to the MSA Facilities.

b. Employee Transition Update

The recently hired operators have just started working for the MSA.

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. Mr. Combs is coordinating with the Devils Backbone Brewery (DBB) concerning the stormwater management pond contamination. Currently the DBB has been mandated by the DEQ not to discharge flow from their stormwater management pond due contamination.

e. Heliotrope Brewery Update

The significant discharger application has been completed by the brewery and is under review.

9. New Business:

a. FY2020 Budget Development

The FY2020 Budget was discussed at some length. There was a Budget Work Session that held on January 22 that reviewed the budget in significant detail.

10. Other Business – Public Comment Session

Mr. Smith asked if the budget was approved, when would the MSA expect to receive proposals from engineers for the Facility Assessment Studies? Mr. Combs indicated the goal to receive proposals in the late summer to early fall of 2019. Mr. Combs also indicated the MSA would have procurement process and procedure decisions to make in the implementation of the Facility Assessment Studies.

A representative of a local business asked the MSA consider the impact of the rate increases on the local businesses. The Board appreciated the comments and are incorporating those concerns in the evaluation of the proposed rates and balancing the impact of the rate increases on the end users and sustainably providing clean water for the users of the system.

Mr. Swink, Mr. Smith, and Mr. Simon added comments to consider the impact of the rate increase to the end users.

Mr. Combs will meet with the Budget Committee on February 8, 2019. The MSA scheduled another Budget Work Session on February 19, 2019 prior to the February Regular Board Meeting.

11. Closed Session: NA

None

12. Next Board Meeting: *Tuesday February 26, 2019 at 5:00 P.M.*

13. Meeting Adjourned at *6:15 pm.*

MSA Chairman

MSA Executive Director

ATTACHMENT C:

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

FY2019
October

Wastewater Operations Account
I&I Cost Sharing

	1/31/2019	Lexington Acct.			PSA Acct.		
	MSA \$ input	<i>Deposit</i>	<i>Withdrawal</i>	<i>Balance</i>	<i>Deposit</i>	<i>Withdrawal</i>	<i>Balance</i>
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

FY2019

MSA Water Account Balances

2/22/2018

January		12/31			1/31
Bank	Acct #	Opening Balance	Deposits	Withdrawals	Ending Balance
Cornerstone	...2277 Operations Checking	\$445,833.56	\$367,200.92	\$136,502.87	\$676,531.61
Cornerstone	...3513 Asset R&R (cash)	\$69,453.37	\$697.89	\$0.00	\$70,151.26
Cornerstone	...9765 Asset R&R (CD)	\$76,643.05	\$65.12	\$0.00	\$76,708.17
Cornerstone	...8759 Water Debt Res CD	\$309,208.78	\$591.43	\$0.00	\$309,800.21
	Total	\$776,118.97			\$1,133,191.25

MSA Wastewater Acct Balances

Bank	Acct #	Opening Balance	Deposits	Withdrawals	Ending Balance
Cornerstone6998 Operations Checking	\$340,168.72	\$673,106.89	\$239,133.99	\$774,141.62
	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)	\$547,972.71	\$186.19	\$0.00	\$548,158.90
Cornerstone	...9757 Asset R&R (CD)	\$510,953.67	\$434.14	\$0.00	\$511,387.81
	Total	\$1,373,070.86			\$1,833,688.33
	TOTAL	<u>\$2,149,189.83</u>			<u>\$2,966,879.58</u>

Maury Service Authority
Profit & Loss Wastewater
January 2019

	TOTAL
Ordinary Income/Expense	
Income	
4300 · Wastewater Revenue	
4301 · WWTP Revenue	
Lexington	507,943.67
Rockbridge	150,263.36
Total 4301 · WWTP Revenue	658,207.03
4302 · Septage/Leachate	11,430.56
Total 4300 · Wastewater Revenue	669,637.59
Total Income	669,637.59
Expense	
5298 · Wastewater Operating Account	
5300 · Electricity	24,717.90
5302 · Chemicals	6,185.41
5304 · Wages	44,980.00
5306 · Accounting	436.33
5312 · Contract Services	158.14
5316 · Education	416.23
5318 · Gas, grease, oil	338.16
5326 · Insurance - Health	8,495.74
5327 · Landfill Contract	720.00
5328 · Janitorial Supplies	173.49
5330 · Lab Supplies	1,171.55
5334 · Maintenance	25,951.82
5336 · Monitoring	39.45
5338 · Office Expense	213.48
5340 · Payroll Taxes	3,188.78
5342 · Permits Exp.	100.00
5344 · Professional Fees	11,175.00
5348 · Safety	224.70
5352 · Telephone	726.27
5354 · Travel	323.82
5356 · Vehicles	657.35
5358 · VRS	4,312.02
5360 · Wearing Apparel	714.40
5362 · Solids Handling	2,289.60
5370 · IT Contract	370.15
Total 5298 · Wastewater Operating Account	138,079.79
Total Expense	138,079.79
Net Ordinary Income	531,557.80
Other Income/Expense	
Other Income	
Interest Income	
4304 · Interest Earned-WW	47.00
Total Interest Income	47.00
Total Other Income	47.00
Net Other Income	47.00
Net Income	531,604.80

Maury Service Authority
Transaction Detail By Account
January 2019

Type	Date	Name	Class	Amount
5298 · Wastewater Operating Account				
5300 · Electricity				
Bill	01/18/2019	Dominion 135 Bob Akins Cir	Wastewater	17,258.44
Bill	01/18/2019	Dominion Rt 631	Wastewater	6,500.18
Bill	01/18/2019	Dominion 65 Bob Akins Cir...	Wastewater	506.66
Bill	01/18/2019	Dominion 31 Furrs Mill Rd	Wastewater	8.85
Bill	01/29/2019	Dominion WW Lights	Wastewater	443.77
Total 5300 · Electricity				24,717.90
5302 · Chemicals				
Bill	01/22/2019	ProChem Inc.	Wastewater	6,185.41
Total 5302 · Chemicals				6,185.41
5304 · Wages				
Bill	01/01/2019	Aflac	Wastewater	932.24
Bill	01/01/2019	Colonial Life Insurance	Wastewater	277.66
Bill	01/03/2019	VRS	Wastewater	1,448.49
Bill	01/04/2019	Paychex	Wastewater	4,836.85
Bill	01/04/2019	Paychex	Wastewater	14,798.18
Bill	01/04/2019	ICMARC	Wastewater	100.00
Bill	01/04/2019	ICMARC	Wastewater	105.14
Deposit	01/07/2019	Colonial Life Insurance	Wastewater	-30.90
Bill	01/18/2019	ICMARC	Wastewater	100.00
Bill	01/18/2019	ICMARC	Wastewater	105.14
Bill	01/18/2019	Paychex	Wastewater	14,072.41
Bill	01/18/2019	Paychex	Wastewater	4,350.25
Bill	01/31/2019	Minnesota Life	Wastewater	86.28
Bill	01/31/2019	Anthem	Wastewater	2,321.40
Bill	01/31/2019	Anthem	Wastewater	1,476.86
Total 5304 · Wages				44,980.00
5306 · Accounting				
Bill	01/04/2019	Paychex	Wastewater	117.89
Bill	01/18/2019	Paychex	Wastewater	318.44
Total 5306 · Accounting				436.33
5312 · Contract Services				
Bill	01/10/2019	Master Card Administrative	Wastewater	59.50
Bill	01/25/2019	Rockbridge Global Village	Wastewater	42.99
Bill	01/31/2019	Virginia Utility Protection Se...	Wastewater	55.65
Total 5312 · Contract Services				158.14
5316 · Education				
Bill	01/03/2019	Ervin Buchanan	Wastewater	40.00
Bill	01/10/2019	Master Card Administrative	Wastewater	376.23
Total 5316 · Education				416.23
5318 · Gas, grease, oil				
Bill	01/31/2019	Sheetz	Wastewater	338.16
Total 5318 · Gas, grease, oil				338.16
5326 · Insurance - Health				
Bill	01/31/2019	Anthem	Wastewater	5,192.37
Bill	01/31/2019	Anthem	Wastewater	3,303.37
Total 5326 · Insurance - Health				8,495.74
5327 · Landfill Contract				
Bill	01/01/2019	C & S Disposal, Inc	Wastewater	360.00
Bill	01/31/2019	C & S Disposal, Inc	Wastewater	360.00
Total 5327 · Landfill Contract				720.00

Maury Service Authority
Transaction Detail By Account
January 2019

Type	Date	Name	Class	Amount
5328 · Janitorial Supplies				
Bill	01/31/2019	Cintas	Wastewater	173.49
Total 5328 · Janitorial Supplies				173.49
5330 · Lab Supplies				
Bill	01/03/2019	Fisher Scientific	Wastewater	558.87
Bill	01/17/2019	Hach Company	Wastewater	324.89
Bill	01/17/2019	Fisher Scientific	Wastewater	62.80
Bill	01/18/2019	Hach Company	Wastewater	243.60
Bill	01/22/2019	Hach Company	Wastewater	161.02
Bill	01/22/2019	Hach Company	Wastewater	176.19
Bill	01/31/2019	Hach Company	Wastewater	139.95
Total 5330 · Lab Supplies				1,667.32
5334 · Maintenance				
Bill	01/01/2019	Buddies True Value Hardw...	Wastewater	17.97
Bill	01/03/2019	Hajoca	Wastewater	31.80
Bill	01/04/2019	Rockbridge County PSA	Wastewater	463.93
Bill	01/08/2019	Instrumentation Services Inc.	Wastewater	475.00
Bill	01/10/2019	Hajoca	Wastewater	100.32
Bill	01/11/2019	ARC 3	Wastewater	389.36
Bill	01/11/2019	Master Card Wastewater	Wastewater	5,982.26
Bill	01/11/2019	Master Card Wastewater	Wastewater	4,447.37
Bill	01/12/2019	Heizer's Trucking and Exca...	Wastewater	3,500.00
Bill	01/12/2019	Rails End Wood & Metal Cr...	Wastewater	56.44
Bill	01/12/2019	Rails End Wood & Metal Cr...	Wastewater	12.00
Bill	01/14/2019	Spencer's	Wastewater	73.69
Bill	01/15/2019	ARC 3	Wastewater	70.50
Bill	01/15/2019	ARC 3	Wastewater	68.16
Bill	01/16/2019	Dixie Gas & Oil	Wastewater	82.60
Bill	01/22/2019	Hajoca	Wastewater	107.14
Bill	01/23/2019	Varney	Wastewater	535.04
Bill	01/26/2019	Blue Ridge Resource Autho...	Wastewater	4,813.38
Bill	01/26/2019	United Blower, Inc.	Wastewater	3,400.00
Bill	01/29/2019	MSC Industrial Supply Co.	Wastewater	48.26
Bill	01/31/2019	Buddies True Value Hardw...	Wastewater	77.05
Bill	01/31/2019	Rockbridge Farmers Co-op	Wastewater	1,131.86
Bill	01/31/2019	Napa Rockbridge Auto Parts	Wastewater	67.69
Total 5334 · Maintenance				25,951.82
5336 · Monitoring				
Bill	01/25/2019	Usa Blue Book	Wastewater	39.45
Total 5336 · Monitoring				39.45
5338 · Office Expense				
Bill	01/10/2019	Master Card Administrative	Wastewater	190.16
Bill	01/31/2019	Ropho Sales, Inc.	Wastewater	23.32
Total 5338 · Office Expense				213.48
5340 · Payroll Taxes				
Bill	01/04/2019	Paychex	Wastewater	1,535.63
Bill	01/04/2019	ICMARC	Wastewater	105.14
Bill	01/18/2019	ICMARC	Wastewater	105.14
Bill	01/18/2019	Paychex	Wastewater	1,442.87
Total 5340 · Payroll Taxes				3,188.78
5342 · Permits Exp.				
Bill	01/07/2019	treasurer of Virginia	Wastewater	100.00
Total 5342 · Permits Exp.				100.00

Maury Service Authority
Transaction Detail By Account
January 2019

Type	Date	Name	Class	Amount
5344 · Professional Fees				
Bill	01/01/2019	william P. Johnson 11, PE, ...	Wastewater	9,825.00
Bill	01/12/2019	william P. Johnson 11, PE, ...	Wastewater	1,350.00
Total 5344 · Professional Fees				11,175.00
5348 · Safety				
Bill	01/31/2019	Rockbridge Farmers Co-op	Wastewater	224.70
Total 5348 · Safety				224.70
5352 · Telephone				
Bill	01/02/2019	Verizon	Wastewater	288.99
Bill	01/10/2019	Verizon	Wastewater	293.67
Bill	01/22/2019	Century Link	Wastewater	143.61
Total 5352 · Telephone				726.27
5354 · Travel				
Bill	01/03/2019	Ervin Buchanan	Wastewater	32.70
Bill	01/10/2019	Master Card Administrative	Wastewater	12.72
Bill	01/31/2019	Michael Loudermilk	Wastewater	139.20
Bill	01/31/2019	Logan Dorey	Wastewater	139.20
Total 5354 · Travel				323.82
5356 · Vehicles				
Bill	01/08/2019	BMG Metals Inc.	Wastewater	339.97
Bill	01/29/2019	Lee Hi Truck Parts and Ser...	Wastewater	51.00
Bill	01/31/2019	Napa Rockbridge Auto Parts	Wastewater	266.38
Total 5356 · Vehicles				657.35
5358 · VRS				
Bill	01/03/2019	VRS	Wastewater	4,312.02
Total 5358 · VRS				4,312.02
5360 · Wearing Apparel				
Bill	01/31/2019	Cintas	Wastewater	714.40
Total 5360 · Wearing Apparel				714.40
5362 · Solids Handling				
Bill	01/09/2019	Usa Blue Book	Wastewater	1,690.35
Bill	01/31/2019	Rockbridge Farmers Co-op	Wastewater	599.25
Total 5362 · Solids Handling				2,289.60
5370 · IT Contract				
Bill	01/14/2019	J L Computers Inc.	Wastewater	370.15
Total 5370 · IT Contract				370.15
Total 5298 · Wastewater Operating Account				138,575.56
TOTAL				138,575.56

Maury Service Authority
Profit & Loss Water
January 2019

	TOTAL
Ordinary Income/Expense	
Income	
4000 · Water Revenue	
16060 · Misc Water Revenue	686.00
4001 · Sales Revenues	
4002 · Sales Revenues - County	148,980.13
4003 · Sales Revenues - City	209,271.18
Total 4001 · Sales Revenues	358,251.31
Total 4000 · Water Revenue	358,937.31
Total Income	358,937.31
Expense	
5098 · Water Operating Account	
5100 · Electricity	16,343.31
5102 · Chemicals	2,487.25
5104 · Wages	26,000.39
5112 · Contract Services	865.50
5116 · Education	71.32
5118 · Gas, grease, oil	113.05
5126 · Insurance - Health	4,370.70
5128 · Janitorial Supplies	88.07
5130 · Lab Supplies	544.29
5134 · Maintenance	48,852.90
5138 · Office Expense	341.43
5140 · Payroll Taxes	1,804.14
5150 · Special Projects	56.69
5152 · Telephone	616.78
5154 · Travel	31.95
5156 · Vehicles	16.00
5158 · VRS	3,397.70
5160 · Wearing Apparel	191.30
5170 · IT Contract	150.60
5240 · Loop Project P&I	23,858.00
Total 5098 · Water Operating Account	130,201.37
Total Expense	130,201.37
Net Ordinary Income	228,735.94
Other Income/Expense	
Other Income	
Contrib. for Debt Service Pmts.	
4250 · PSA Loop-Gr. Ridge Tank (Water)	8,904.44
Total Contrib. for Debt Service Pmts.	8,904.44
Interest Income	
4005 · Interest Earned-Water	45.17
Total Interest Income	45.17
Total Other Income	8,949.61
Net Other Income	8,949.61
Net Income	237,685.55

Maury Service Authority
Transaction Detail By Account
January 2019

Type	Date	Name	Class	Amount
5098 · Water Operating Account				
5100 · Electricity				
Bill	01/02/2019	Dominion Rt 11 # 11 BYP	Water	12.90
Bill	01/02/2019	Dominion 9 Link rd.	Water	6.59
Bill	01/16/2019	Dominion W Rt 60	Water	4,031.68
Bill	01/16/2019	dominion Enfield rd	Water	118.83
Bill	01/16/2019	Dominion 501 Enfield rd.	Water	23.50
Bill	01/16/2019	Dominion 417 Enfield Rd.	Water	5,142.01
Bill	01/16/2019	Dominion 130 Osage Ln.	Water	6,961.10
Bill	01/29/2019	Dominion Water Lights	Water	9.47
Bill	01/30/2019	Dominion Rt 11 # 11N	Water	8.59
Bill	01/30/2019	Dominion Two Sons Tank	Water	9.90
Bill	01/31/2019	Dominion 9 Link rd.	Water	6.59
Bill	01/31/2019	Dominion Rt 11 # 11 BYP	Water	12.15
Total 5100 · Electricity				16,343.31
5102 · Chemicals				
Bill	01/15/2019	Chemsolv	Water	2,487.25
Total 5102 · Chemicals				2,487.25
5104 · Wages				
Bill	01/01/2019	Aflac	Water	241.42
Bill	01/03/2019	VRS	Water	1,214.30
Bill	01/04/2019	Paychex	Water	2,192.66
Bill	01/04/2019	Paychex	Water	8,860.48
Bill	01/18/2019	Paychex	Water	2,463.82
Bill	01/18/2019	Paychex	Water	9,858.45
Bill	01/31/2019	Minnesota Life	Water	36.96
Bill	01/31/2019	Anthem	Water	1,132.30
Total 5104 · Wages				26,000.39
5112 · Contract Services				
Bill	01/01/2019	corrpro Companies Inc.	Water	760.00
Bill	01/10/2019	Master Card Administrative	Water	59.50
Bill	01/25/2019	Rockbridge Global Village	Water	46.00
Total 5112 · Contract Services				865.50
5116 · Education				
Bill	01/10/2019	Master Card Administrative	Water	71.32
Total 5116 · Education				71.32
5118 · Gas, grease, oil				
Bill	01/31/2019	Sheetz	Water	113.05
Total 5118 · Gas, grease, oil				113.05
5126 · Insurance - Health				
Bill	01/31/2019	Anthem	Water	4,370.70
Total 5126 · Insurance - Health				4,370.70
5127 · Landfill Contract				
Bill	01/01/2019	C & S Disposal, Inc	Water	51.00
Total 5127 · Landfill Contract				51.00
5128 · Janitorial Supplies				
Bill	01/10/2019	Master Card Water	Water	60.68
Bill	01/31/2019	Buddies True Value Hard...	Water	6.78
Bill	01/31/2019	Cintas	Water	20.61
Total 5128 · Janitorial Supplies				88.07

Maury Service Authority
Transaction Detail By Account
January 2019

Type	Date	Name	Class	Amount
5130 · Lab Supplies				
Bill	01/08/2019	Instrumentation Services I...	Water	128.73
Bill	01/09/2019	Hach Company	Water	341.30
Bill	01/11/2019	Hach Company	Water	74.26
Total 5130 · Lab Supplies				544.29
5134 · Maintenance				
Bill	01/01/2019	Buddies True Value Hard...	Water	191.34
Bill	01/03/2019	ARC 3	Water	18.49
Bill	01/08/2019	Instrumentation Services I...	Water	475.00
Bill	01/09/2019	Valley Boiler & Mechanical	Water	33,500.00
Bill	01/21/2019	HX Lighting	Water	302.12
Bill	01/23/2019	C & M Industrial Maintena...	Water	11,950.00
Bill	01/28/2019	Spencer's	Water	221.07
Bill	01/30/2019	Fidelity Power Systems	Water	95.00
Bill	01/31/2019	Advance Auto	Water	195.48
Bill	01/31/2019	Buddies True Value Hard...	Water	88.49
Bill	01/31/2019	Rockbridge Farmers Co-op	Water	1,015.91
Bill	01/31/2019	Valley Boiler & Mechanical	Water	800.00
Total 5134 · Maintenance				48,852.90
5138 · Office Expense				
Bill	01/10/2019	Master Card Administrative	Water	190.17
Bill	01/10/2019	Master Card Water	Water	135.20
Bill	01/11/2019	Ropho Sales, Inc.	Water	16.06
Total 5138 · Office Expense				341.43
5140 · Payroll Taxes				
Bill	01/04/2019	Paychex	Water	851.87
Bill	01/18/2019	Paychex	Water	952.27
Total 5140 · Payroll Taxes				1,804.14
5150 · Special Projects				
Bill	01/10/2019	Master Card Water	Water	56.69
Total 5150 · Special Projects				56.69
5152 · Telephone				
Bill	01/02/2019	Verizon	Water	206.40
Bill	01/10/2019	Verizon	Water	202.20
Bill	01/22/2019	Century Link	Water	150.78
Bill	01/22/2019	Century Link	Water	57.40
Total 5152 · Telephone				616.78
5154 · Travel				
Bill	01/10/2019	Master Card Administrative	Water	31.95
Total 5154 · Travel				31.95
5156 · Vehicles				
Bill	01/31/2019	Rockbridge Farmers Co-op	Water	16.00
Total 5156 · Vehicles				16.00
5158 · VRS				
Bill	01/03/2019	VRS	Water	3,397.70
Total 5158 · VRS				3,397.70
5160 · Wearing Apparel				
Bill	01/31/2019	Cintas	Water	191.30
Total 5160 · Wearing Apparel				191.30

**Maury Service Authority
Transaction Detail By Account
January 2019**

Type	Date	Name	Class	Amount
5170 · IT Contract				
Bill	01/14/2019	J L Computers Inc.	Water	150.60
Total 5170 · IT Contract				150.60
5240 · Loop Project P&I				
Bill	01/03/2019	USDA RD DEFO Payment	Water	23,858.00
Total 5240 · Loop Project P&I				23,858.00
Total 5098 · Water Operating Account				130,252.37
TOTAL				130,252.37

ATTACHMENT D:

**WASTEWATER PLANT
PRODUCTION AND OPERATION REPORT**

January 2019

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

During the month, we processed 39.3 million gallons of wastewater including leachate.
 The average quality of BOD is 4 MG/L And 1.4 MG/L of TSS.

	<u>PERMIT REQUIREMENTS</u>		<u>VALUES</u>	<u>EXCEPTIONS</u>
Flow	3.0 MGD	Continuous Recording	0.99 avg. 2.54 max	0
pH	6.1 MIN	9.5 MAX	6.8 min 8.0 max	0
BOD ₅	340.0 KG/D	MAX Weekly Average	28 avg. 79 max	0
BOD ₅	45.0 MG/L	MAX Weekly Average	7 avg. 19 Max	0
TSS	340.0 KG/D	MAX Weekly Average	8 avg. 8 Max	0
TSS	45.0 MG/L	MAX Weekly Average	2.5 avg. 2.5 Max	0
DO	5.0 MIN		9.0 min	0
E Coli	126 N/CML	3 Day Weekly Average	60 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	1999 lbs/mo	1999 lb/ytd (8.09mg/l)
TP	4,568 lbs/yr	64 lbs/mo	64 lb/ytd (0.25mg/l)

Contributor Flow Data Analysis

		<u>FLUME</u>	<u>TOTAL</u>	<u>% of flow</u>
RCPSA	R3	2.49		
	R9	6.193	8.683	22%
Unmetered	631	0		
Lexington	L12	30.64	30.635	78%