



900 Magazine Rd.  
Petersburg, VA 23803  
Office: (804) 861-0111  
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## South Central Wastewater Authority

### Regular Meeting of the Board of Directors

**DATE:** October 18, 2018  
**TIME:** 2:00 PM  
**LOCATION:** South Central Wastewater Authority  
Conference Room, Administration Building  
900 Magazine Road  
Petersburg, Virginia 23803

#### AGENDA

1. Call to Order/Roll Call
2. Approval of Minutes: Minutes of the Regular Meeting of the Board on August 16, 2018
3. Public Comment
4. Executive Director's Report:
  - Status Report: Ongoing Projects/Financials
  - Discussion on Additional Landfill Leachate-Mr. Jeff Oakley, President, Oakley Tank Lines
  - Proposed 2019 Board Meeting Dates
5. Items from Counsel
6. Closed Session
7. Other Items from Board Members/Staff Not on Agenda
8. Adjourn

Cc: W. Dupler/George Hayes, Chesterfield  
L. Lyons, Petersburg  
W. Henley, Colonial Heights  
F. Haltom, Prince George  
K. Massengill, Dinwiddie County  
A. Anderson, McGuire Woods

**1. Call to Order/Roll Call**

**2. Approval of Minutes: Minutes of the Regular Meeting of the Board on August 16, 2018**

Following are the minutes of the Regular Meeting of the South Central Wastewater Authority Board of Directors on August 16, 2018.

Absent any corrections or revisions, we recommend approval of the minutes as submitted.

## **BOARD OF DIRECTORS MEETING**

South Central Wastewater Authority

August 16, 2018 at 2:00 p.m.

Location: Appomattox River Water Authority  
21300 Chesdin Road, South Chesterfield, Virginia 23803

### **PRESENT:**

Percy Ashcraft, Chairman (Prince George)  
Douglas Smith, Vice Chairman (Colonial Heights)  
Joseph Casey, (Chesterfield)  
Robert B. Wilson, (Dinwiddie)  
Lionel Lyons, (Alternate, Petersburg)  
George Hayes, Secretary/Treasurer (Alternate, Chesterfield)  
Frank Haltom, (Alternate, Prince George)

### **ABSENT:**

Aretha Ferrell-Benavides, (Petersburg)  
Kevin Massengill, (Alternate, Dinwiddie)  
William Henley, (Alternate, Colonial Heights)  
William Dupler, (Alternate, Chesterfield)

### **STAFF:**

Robert C. Wichser, Executive Director, (ARWA & SCWWA)  
James C. Gordon, Asst. Executive Director (ARWA & SCWWA)  
Arthur Anderson, (McGuire Woods)  
Melissa Wilkins, Accounting/Office manager (ARWA & SCWWA)  
Kathy Summerson, Administrative Assistant (SCWWA)

### **OTHERS:**

Keith Boswell, CEO, Virginia's Gateway Region  
Jeff Mincks, Chesterfield  
Mike Wooden, Arcadis  
Michael Campbell, Prince George Journal/Dinwiddie Monitor  
Jeff Franklin, Chesterfield  
Denny Morris, Crater Region Planning Comm.

Mr. Ashcraft, Chairman, called the meeting to order at 4:15 p.m.

#### **1. Call to Order/Roll Call.**

The roll was called.

#### **2. Approval of Minutes: Minutes of the Regular Meeting of the Board on June 14, 2018**

Upon a motion made by Mr. Wilson and seconded by Mr. Lyons the following resolution was adopted:

**RESOLVED, that the minutes of the Regular Meeting of the Board on June 14, 2018 are hereby approved:**

**For: 5                  Against: 0                  Abstain: 0**

#### **3. Public Comment**

There were no public comments.

#### **4. Executive Director's Report:**

##### **• Additional Discussion on Receipt of Leachate from Outside of Service Area**

Dr. Wichser provided an update and discussion on landfill leachate as requested at the July Board meeting including potential receipt of additional landfill leachate from outside the SCWWA service area. He stated that landfill leachate could be characterized as a strong odor, black tea or orange colored cloudy liquid. He stated in Sussex County, Waste Management has designed and is now operating an advanced leachate treatment process and has spent approximately \$100 million on this treatment system. He further stated back in the late 1990's, the then Executive Director accepted leachate from approximately sixty miles away from SCWWA and it was trucked and treated at SCWWA. He stated in 2016, SCWWA was fortunate enough to have Waste Management bringing leachate to SCWWA, where we were treating between twelve to fourteen trucks per day and at a few times up to sixteen tanker trucks per day of landfill leachate. He further stated that receipt and treatment of the landfill leachate provided substantial revenue to allow the treatment plant to survive during fiscal stress. Dr. Wichser stated that presently, we receive approximately 10,000 to 15,000 gallons daily of domestic and non-domestic septage other than landfill leachate. He explained there are septage trucks which are referred to as the "honey dippers" that come in and empty their septage tanks, whereas the leachate SCWWA receives is derived from landfills. Mr. Wilson stated that what comes in from the "honey dippers" is all generated in the five jurisdictions and Dr. Wichser replied that is correct. He further stated that all leachate trucks entering our facility are sampled individually and covered by pretreatment permits as required by VA DEQ. He stated that in 2015, before we started receiving Waste Management leachate from landfills, we conducted a landfill leachate treatment study using Hazen and Sawyer, one of our Trust Consultants. He further stated the cost of the treatability study was about \$15,000 and was paid for by Waste Management. Dr. Wichser reported that currently "honey dippers" are billed at \$0.05 per gallon and leachate is billed at \$.095 per gallon. He stated the "honey dippers" account for approximately \$125,000 in annual revenue. He further stated that SCWWA's Hauled Waste Rules and Regulations cover anything that is received, both leachate and hauled septage waste.

Dr. Wichser stated that on May 21, 2015 the SCWWA Board passed a draft Resolution allowing SCWWA to move out from member jurisdiction's borders fifteen miles to enable receipt of landfill leachate. He further stated this is how we began with Waste Management to haul from Amelia and Charles City Landfills to SCWWA. He stated we have recently talked with Waste Management and they have a landfill located in King George County, this is about fifty-five miles from Chesterfield's border. He further stated that they indicated they could provide SCWWA, if interested, another four to eight landfill leachate trucks per day from this landfill.

Dr. Wichser asked the Board if they would consider going beyond the fifteen miles from the member jurisdiction's borders and allow SCWWA to reach out fifty-five miles to Waste Management's King George Landfill. He stated we felt comfortable accepting the landfill leachate and could coordinate the trucks coming on the plant site so the citizens on the island would not be disturbed. He further stated this would potentially double our Hauled Waste revenue with landfill leachate by approximately \$800K per year.

Mr. Ashcraft asked if Oakley's proposal was much further than the fifty-five miles and Dr. Wichser replied that it appeared to be, yes. He stated Mr. Oakley has asked if he could come back to the September Board meeting and talk about his proposal to be a leachate broker to us, which he would be bringing waste as far as central Pennsylvania and South Carolina.

Dr. Casey stated as he told Mr. Oakley, we are in the sewage treatment business, and we still have to figure out how to do that right. He stated SCWWA is buying \$500,000 worth of nutrient credits from Chesterfield at half price of what the market is. He further stated they could sell the credits they are giving to SCWWA for \$1,000,000 on the Exchange.

Mr. Ashcraft asked Mr. Anderson if there was a public hearing when this topic came up before, and Mr. Anderson stated there was a Resolution adopted that authorized the expansion to the fifteen miles and the charges were included in the budget which goes to public hearing. He stated the decision to do this was a Board decision approved by Resolution.

Mr. Wilson wanted to know if we are or aren't going to accept leachate. Mr. Lyons stated that before deciding today, we should come back in September and discuss this. He further stated based on the way it is laid out now, he would say no to this because of the potential ramifications. Mr. Smith stated he was more comfortable coming back and talking about this.

Mr. Smith asked Dr. Wichser about the need for additional credit purchasing and Dr. Wichser replied when leachate comes in it has high concentrations of phosphorus and nitrogen. He stated if a treatment plant can't remove the phosphorus, which our plant can but SCWWA is not designed to remove nitrogen, so it needs to purchase additional nitrogen credits. He further stated this is the upgrade we have been talking about for years, which could take this plant to a denitrification plant for removal of total nitrogen. He stated we have a nitrogen effluent wasteload allocation annually, and we can't remove nitrogen in the plant, so the plant needs to buy nitrogen credits in order to meet its discharge permit wasteload allocation. He further stated that SCWWA has to purchase nitrogen credits and are very pleased to be working with Chesterfield as the SCWWA supplier of needed nitrogen credits until the year 2020. He stated he believed we were buying Chesterfield's credits at 75% of what we could purchase them from the Virginia Nutrient Exchange. Dr. Casey stated he looked up the Exchange and right now it's at \$5.67 for Class "B" and the deal is \$2.78. Dr. Wichser stated in 2018 we would be at \$3.78/per purchased nitrogen credit from the Virginia Nutrient Exchange versus \$2.78/per purchased nitrogen credit from Chesterfield County.

Dr. Casey stated the leachate coming here now is our own leachate so we are serving as the customer and producer of the leachate.

Mr. Wilson asked if we reduce the number of trucks will we still buy the same amount of credits regardless and Dr. Wichser stated we are committed on the number of purchased nitrogen nutrient credits from Chesterfield County until 2020 per the SCWWA agreement with Chesterfield County.

Mr. Gordon stated the current agreement we have with Waste Management is we can take up to sixteen landfill leachate trucks per day. Mr. Lyons stated there is no concern if no more than six or seven trucks per day are going to SCWWA.

Mr. Wilson asked if we treated CFS of Petersburg and Dr. Wichser replied yes as it comes through the Petersburg collection system, about 300,000 – 400,000 gallons per day. He further stated they are not charged for that discharge to SCWWA.

Mr. Ashcraft stated they would need a report over the next thirty days what the numbers of leachate trucks are from landfills and how that works. He further stated when we built the budget it was built with "zero" and Mr. Gordon stated that is correct.

Upon a motion made by Mr. Lyons and seconded by Mr. Wilson the following resolution was adopted:

**RESOLVED, that the leachate issue be tabled until the September 13, 2018 Board meeting combined with the other proposal we anticipate coming in at that time for further discussion:**

**For: 4                    Against: 1 (Casey)    Abstain: 0**

• **Status Reports: Ongoing Projects/Financials**

Mr. Gordon reported on the Status Reports of Ongoing Projects/Operational/Financials/I&I. Dr. Casey asked about I&I and if it was the locality's responsibility to test their own infiltration or does SCWWA do that. Mr. Gordon stated that SCWWA is different as we only are responsible for what is inside the SCWWA gate and outside it is up to the members. He further stated each locality provides us with their flow numbers.

**5. Items from Counsel**

There were no Items from Counsel.

**6. Closed Session**

Mr. Anderson read the Resolution to go into Closed Session (attached).

Upon a motion made by Dr. Casey and seconded by Mr. Wilson the Board went into Closed Session at 5:07 p.m.

**For: 5                    Against: 0                    Abstain: 0**

Upon a motion made by Mr. Lyons and seconded by Mr. Wilson the Board came out of Closed Session at 5:51 p.m.

**For: 5                    Against: 0                    Abstain: 0**

Mr. Anderson read the Certification regarding the Closed Session and, upon a motion made by Mr. Lyons and seconded by Mr. Wilson, it was approved by a unanimous roll call vote (attached).

**7. Other Items from Board Members/Staff Not on Agenda**

Mr. Ashcraft stated that the Prince George Board of Supervisors approved the request that Prince George County move forward with the permitting process for not only a water plant but a wastewater plant. Mr. Frank Haltom, Prince George's Utility Director, is in charge of this project with about \$300,000 budgeted for permitting the potential two treatment facilities. Mr. Wilson asked how big of a plant and Mr. Haltom reported the wastewater would be 2 MGD expandable up to 8 MGD.

**8. Adjourn**

Upon a motion made by Mr. Lyons and seconded by Mr. Wilson the meeting was adjourned at 5:53 p.m.

The next Regular Meeting is scheduled for Thursday, September 13, 2018 at 2:00 p.m. at the South Central Wastewater Authority.

MINUTES APPROVED BY:

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**George Hayes**  
**Secretary/Treasurer**

**CLOSED MEETING RESOLUTION**

**SOUTH CENTRAL WASTEWATER AUTHORITY**

**August 16, 2018**

I move that we go into a closed meeting for discussion and consideration of the performance and salaries of specific public officers, appointees, or employees of the Authority, specifically to discuss and consider the Executive Director's annual performance evaluation, as permitted by Section 2.2-3711A.1. of the Virginia Freedom of Information Act:

MOTION: Casey

SECOND: Lyons

VOTE

Ashcraft	Aye
Casey	Aye
Lyons	Aye
Smith	Aye
Wilson	Aye

ABSENT DURING VOTE: None.

ABSENT DURING CLOSED MEETING: None.

SESSION DATE: August 16, 2018

**CERTIFICATION OF CLOSED MEETING**

WHEREAS, the Board of the South Central Wastewater Authority (the "Authority") convened a closed meeting on August 16, 2018, pursuant to an affirmative recorded vote and in accordance with the provisions of the Virginia Freedom of Information Act; and

WHEREAS, Section 2.2-3712 of the Code of Virginia requires a certification by this Board that such closed meeting was conducted in conformity with Virginia law;

NOW THEREFORE, BE IT RESOLVED that the Board of the Authority hereby certifies that, to the best of each member's knowledge, (i) only public business matters lawfully exempted from open meeting requirements by the Virginia Freedom of Information Act were discussed in the closed meeting to which this certification resolution applies, and (ii) only such public business matters as were identified in the motion convening the closed meeting were heard, discussed or considered by the Board.

MOTION: Lyons

SECOND: Wilson

VOTE

Ashcraft	Aye
Casey	Aye
Lyons	Aye
Smith	Aye
Wilson	Aye

ABSENT DURING VOTE: None.

ABSENT DURING CLOSED MEETING: None.

### 3. Public Comment

The Guidelines for Public Comment are:

#### **GUIDELINES FOR PUBLIC COMMENT AT SCWWA/ARWA BOARD OF DIRECTORS MEETINGS**

If you wish to address the SCWWA/ARWA Board of Directors during the time allocated for public comment, please raise your hand or stand when the Chairman asks for public comments.

Members of the public requesting to speak will be recognized during the specific time designated on the meeting agenda for "Public Comment Period." Each person will be allowed to speak for up to three minutes.

When two or more individuals are present from the same group, it is recommended that the group designate a spokesperson to present its comments to the Board and the designated speaker can ask other members of the group to be recognized by raising their hand or standing. Each spokesperson for a group will be allowed to speak for up to five minutes.

During the Public Comment Period, the Board will attempt to hear all members of the public who wish to speak on a subject, but it must be recognized that on rare occasion presentations may have to be limited because of time constraints. If a previous speaker has articulated your position, it is recommended that you not fully repeat the comments and instead advise the Board of your agreement. The time allocated for speakers at public hearings are the same as for regular Board meeting, although the Board can allow exceptions at its discretion.

Speakers should keep in mind that Board of Directors meetings are formal proceedings and all comments are recorded on tape. For that reason, speakers are requested to speak from the podium and wait to be recognized by the Chairman. In order to give all speakers proper respect and courtesy, the Board requests that speakers follow the following guidelines:

- Wait at your seat until recognized by the Chairman;
- Come forward and state your full name and address. If speaking for a group, state your organizational affiliation;
- Address your comments to the Board as a whole;
- State your position clearly and succinctly and give facts and data to support your position;
- Summarize your key points and provide the Board with a written statement or supporting rationale, when possible;
- If you represent a group, you may ask others at the meeting to be recognized by raising their hand or standing;
- Be respectful and civil in all interactions at Board meetings;
- The Board may ask speakers questions or seek clarification, but recognize that Board meetings are not a forum for public debate; Board Members will not recognize comments made from the audience and ask that members of the audience not interrupt the comments of speakers and remain silent while others are speaking so that other members in the audience can hear the speaker;
- The Board will have the opportunity to address public comments after the Public Comment Period has been closed;
- At the request of the Chairman, the Executive Director may address public comments after the session has been closed as well; and
- As appropriate, staff will research questions by the public and respond through a report back to the Board at the next regular meeting of the full Board. It is suggested that citizens who have questions for the Board or staff submit those questions in advance of the meeting to permit the opportunity for some research before the meeting.



#### 4. Executive Director's Report:

- **Status Report: Ongoing Projects/Operational/Financials/I&I**

Following are status reports concerning the Ongoing Project, Operations, Financials, and Inflow and Infiltration for the SCWWA.



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## MEMORANDUM

**TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS**

**FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR  
JAMES C. GORDON, ASSISTANT EXECUTIVE DIRECTOR**

**SUBJECT: STATUS REPORT – ON-GOING PROJECTS**

**DATE: OCTOBER 18, 2018**

The following projects are underway. This report includes sections on Capital projects and large replacement projects.

### Wastewater Treatment Plant Improvements, Phase 2

- Scum concentrators have been installed and are currently operational.
- The first grit concentrator is being installed and is awaiting initial startup by Smith and Loveless.
- The second grit concentrator is onsite and is being installed.
- The clarifier grout has been removed and concrete repairs to the existing concrete surface are ongoing. The Contractor is working on lowering the water table to allow for the installation of new grout.

### Warehouse Project

- Contractor has started sitework and has the site "to grade".
- Three test piles were installed on September 30th, and achieved design loads at approximately 30 feet.
- The contractor began installing piles on October 2, 2018.
- ECS, Limited has installed seismic monitors to ensure maximum particle velocities stay below 0.5 ft/sec. They also installed crack monitors in the headworks building.
- Project completion date is May 26, 2019.



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## MEMORANDUM

**TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS**

**FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR  
JAMES C. GORDON, ASST. EXECUTIVE DIRECTOR**

**SUBJECT: OPERATING & FINANCIAL STATUS REPORT**

**DATE: OCTOBER 18, 2018**

### Operating Status Report:

#### General:

- The next scheduled Board of Directors meeting is November 15, 2018 at the South Central Wastewater Authority at 2:00 pm.
- Waste Management is currently offloading 6-8 trucks per day
- Representatives with the COV457 program have met with staff regarding the transition. The funds have been transferred from Nationwide and the Authority is now participating in the COV457.
- NutriBlend is working with us to ensure our solids are removed in a timely manner. The Authority, like many other facilities, are sending some biosolids to the landfill due to the limited land available for land application. Once storage/land is available NutriBlend will begin Land Application Disposal again.

#### Status of Nutrient Waste-load

- Total Phosphorus (TP)
  - Waste-load allocation Total Phosphorus: 28,404 lbs. on a calendar basis.
  - Proportional waste-load through September 2018 = 21,303 lbs. Total actual waste-load through September 2018 was 16,944 lbs. (At this time, the SCWWA is 4,359 lbs. of TP under our expected waste-load allocation for this point in the year)
- Total Nitrogen (TN)
  - Waste-load allocation Total Nitrogen: 350,239 lbs. on a calendar basis
  - Proportional waste-load through September 2018 = 262,679 lbs. Total actual waste-load through September 2018 was 317,169 lbs. (At this time, the SCWWA is 54,490 lbs. of TN over our expected waste-load allocation for this point in the year.)
  - Note: The SCWWA is locked-in to purchasing an additional 167,685 credits for 2018.

#### Operations:

- Plant effluent met all discharge permit requirements for the month of September. Copies of the discharge monitoring reports (DMR's) for the VPDES permit and the general permit are available.
- Staff remains in communication with Nutri Blend to schedule and remove biosolids promptly.
- The open operator position has been filled. The new trainee started working with SCWWA on the week of 10/1/2018

**Maintenance:**

- Staff has repaired the primary sludge bypass valve, gearbox, and valve stem.
- The replacement of the primary sludge pumps on the primary sludge pumps is ongoing.
- Dependent on the weather, the replacement of the last of the aeration basin diffusers has been scheduled over the next month.
- The mechanic's position has been filled and pending a background check will begin working with the SCWWA on 10/16/2018

**Instrumentation**

- The first of 3 new PLCs has been built and installed. Work on the 2<sup>nd</sup> PLC is ongoing.
- PLC and Blower monitor faults are being investigated.
- A demo Phosphorus inline monitor is being evaluated.

**Laboratory**

- The Local Limit Study was submitted to DEQ for review
- Pre-treatment inspections are ongoing.

**Financial Status Report:**

Following is the Executive Summary of the Monthly Financial Statement that includes the YTD Budget Performance and the Financial Statement for September 2018.

**South Central Wastewater Authority**  
For Month Ending September 30, 2018

**Assets**

**Current Assets**

Petty Cash	\$	250
Wells Fargo Operating Account	\$	2,820,993
<i>Total Unrestricted Cash</i>	\$	<u>2,821,243</u>

Wells Fargo Reserve	\$	3,916,414
Wells Fargo Capital Improvement Reserve	\$	1,989,616
ERRF	\$	2,905,841
<i>Total Restricted Cash</i>	\$	<u>8,811,872</u>

**Total Checking/Savings** \$ 11,633,115

Accounts Receivable	\$	56,179
Long Term Receivable (Petgs/Legal)	\$	-

**Total Current Assets** \$ 11,689,293

**Fixed Assets**

Sewer System Plant	\$	33,609,033
Equipment & Vehicles	\$	3,037,357
Plant Machinery	\$	7,920,877
Construction in Progress	\$	2,590,722
Land	\$	92,968
Accumulated Depreciation	\$	(28,490,891)
<b>Total Fixed Assets</b>	\$	<u>18,760,066</u>

**Other Assets**

Inventory	\$	664,334
Def Out Res-Post ER Pension Con	\$	119,474
Deferred Outflows-GLI OPEB	\$	9,059
<b>Total Other Assets</b>	\$	<u>792,867</u>

**Total Assets** \$ 31,242,226

**Liabilities & Equity**

**Current Liabilities**

Accounts Payable	\$	63,928
<b>Total Current Liabilities</b>	\$	<b>63,928</b>

**Other Current Liabilities**

Payroll Accruals	\$	222,671
Retainage Payable	\$	29,450
Suspense-Clearing Account	\$	154,250
Refunds Due Member Localities	\$	-
<b>Total Other Current Liabilities</b>	\$	<u>406,371</u>

**Long Term Liabilities**

Net OPEB Obligation	\$	134,609
Net OPEB Liability-GLI	\$	132,000
Def Infl-OPEB-Chg of Assumption	\$	5,512
Deferred Inflows-GLI OPEB	\$	15,000
Def Inf Res-Net Dif Pension Inv	\$	166,457
Def Inf Res-Pens Chg Assumption	\$	76,200
Def Inf Res-Pens Dif Proj/Act E	\$	61,277
Net Pension Liability	\$	105,031
<b>Total Long-Term Liabilities</b>	\$	<u>696,086</u>

**Total Liabilities** \$ 1,166,386

**Equity**

Retained Earnings	\$	15,442,788
Initial Locality Contribution Cap.	\$	14,166,822

**Total Equity** \$ 30,075,841

**Total Liabilities & Equity** \$ 31,242,226

South Central Wastewater Authority  
YTD Income Statement for the period ending September 30, 2018

Wastewater Rate Center  
Revenues and Expenses Summary

<i>Budget</i>	<i>Budget</i>	<i>Actual</i>	<i>YTD Budget</i>	<i>Variance</i>
<i>FY 18/19</i>	<i>Year-to-Date</i>	<i>Year-to-Date</i>	<i>vs. Actual</i>	<i>Percentage</i>

**Operating Budget vs. Actual**

**Revenues**

Septage/Misc Revenue	\$ -	\$ -	\$ 119,027	\$ 119,027	#DIV/0!
O&M Revenue	\$ 8,199,100	\$ 2,049,775	\$ 2,049,775	\$ -	0.00%
Reserve Policy	\$ -	\$ -	\$ -	\$ -	#DIV/0!
ER&RF Revenue	\$ -	\$ -	\$ -	\$ -	#DIV/0!
<b>Total Operating Revenues</b>	<b>\$ 8,199,100</b>	<b>\$ 2,049,775</b>	<b>\$ 2,168,802</b>	<b>\$ 119,027</b>	<b>5.81%</b>

**Expenses**

Personnel Cost	\$ 2,700,000	\$ 675,875	\$ 681,573	\$ 5,698	0.84%
Contractual/Professional Services	\$ 350,000	\$ 117,250	\$ 83,700	\$ (33,550)	-28.61%
Utilities	\$ 462,500	\$ 115,625	\$ 101,975	\$ (13,650)	-11.81%
Communication/Postage/Freight	\$ 31,500	\$ 7,875	\$ 6,896	\$ (979)	-12.44%
Office/Lab/Purification Supplies	\$ 74,000	\$ 18,841	\$ 16,367	\$ (2,475)	-13.13%
Insurance	\$ 65,000	\$ 16,250	\$ 35,011	\$ 18,761	115.45%
Lease/Rental Equipment	\$ 11,000	\$ 2,750	\$ 4,070	\$ 1,320	47.98%
Travel/Training/Dues	\$ 61,100	\$ 19,784	\$ 24,201	\$ 4,417	22.32%
Safety/Uniforms	\$ 44,500	\$ 11,125	\$ 8,845	\$ (2,280)	-20.49%
Chemicals/Sludge Disposal	\$ 910,000	\$ 227,500	\$ 149,982	\$ (77,518)	-34.07%
Repair/Maintenance Parts & Supplies	\$ 501,500	\$ 126,580	\$ 70,840	\$ (55,740)	-44.04%
<b>Total Operating Expenses</b>	<b>\$ 5,211,100</b>	<b>\$ 1,339,456</b>	<b>\$ 1,183,459</b>	<b>\$ (155,997)</b>	<b>-11.65%</b>
<b>Operating Suplus/(Deficit)</b>	<b>\$ 2,988,000</b>	<b>\$ 710,319</b>	<b>\$ 985,343</b>	<b>\$ 275,024</b>	<b>38.72%</b>

**Replacement Outlay Budget vs. Actual**

Machinery & Equipment	\$ 210,000	\$ 52,500	\$ 50,237	\$ (2,263)	-4.31%
Instrumentation	\$ 80,000	\$ 20,000	\$ 8,250	\$ (11,750)	-58.75%
SCADA	\$ 15,000	\$ 3,750	\$ -	\$ (3,750)	-100.00%
Computer Equipment	\$ 15,000	\$ 3,750	\$ -	\$ (3,750)	-100.00%
Motor Vehicles	\$ 6,000	\$ 1,500	\$ 6,326	\$ 4,826	321.73%
Construction	\$ 295,000	\$ 73,750	\$ 301,079	\$ 227,329	308.24%
Special Studies	\$ -	\$ -	\$ -	\$ -	#DIV/0!
<b>Total Replacement Outlay</b>	<b>\$ 621,000</b>	<b>\$ 155,250</b>	<b>\$ 365,892</b>	<b>\$ 210,642</b>	<b>135.68%</b>

**Other Income/Expense Budget vs. Actual**

Nutrient Credit Purchases (Expense)	\$ 617,000	\$ 154,250	\$ 154,250	\$ -	0.00%
Nutrient Reduction	\$ -	\$ -	\$ 1,030	\$ 1,030	#DIV/0!
Interest-Jurisdictions (Income)	\$ -	\$ -	\$ -	\$ -	#DIV/0!



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## MEMORANDUM

**TO: SOUTH CENTRAL WASTEWATER AUTHORITY BOARD OF DIRECTORS**

**FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR**  
**JAMES C. GORDON, ASSISTANT EXECUTIVE DIRECTOR**

**SUBJECT: INFLOW AND INFILTRATION**

**DATE: OCTOBER 18, 2018**

September 2018 brought 4.43 inches of rain around the South Central Wastewater Authority. Over the last seven years, rain number have been inconsistent for September but numbers for 2018 are average. Even with the fairly average flows, the max and average flows are the second highest over the last seven years. The minimum flow is the highest out of the last seven years. This is most likely a result of the significant amount of rain received throughout the summer.

Month	Rainfall (inches)	Average Flow (mgd)
September 2017	1.27	11.028
October 2017	3.64	8.988
November 2017	1.52	9.464
December 2017	1.43	9.487
January 2018	3.69	11.842
February 2018	2.64	13.606
March 2018	2.94	12.093
April 2018	4.73	11.974
May 2018	8.46	15.221
June 2018	6.28	14.629
July 2018	9.44	12.785
August 2018	4.53	12.973
September 2018	4.43	11.572

### PRIMARY FLOW DATA

September	2018	2017	2016	2015	2014	2013	2012
Minimum (mgd)	9.912	8.620	8.123	8.308	7.150	8.120	9.365
Maximum (mgd)	19.709	19.145	27.082	13.237	12.025	10.281	16.787
Average (mgd)	11.572	11.028	10.565	9.365	9.112	9.452	11.801
Rainfall (inches)	4.43	1.27	8.45	3.42	2.48	1.11	6.35

**South Central Wastewater Authority**  
**Leachate Truck Log**

Current Max # of WM Trucks Allowed per Formal Agreement	16
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Date	Origination Site		Total Combined Trucks per day
	# from Amelia	# from Charles City	
8/1/2018	0	4	4
8/2/2018	0	2	2
8/3/2018	0	2	2
8/4/2018			
8/5/2018			
8/6/2018	0	2	2
8/7/2018	0	2	2
8/8/2018	0	2	2
8/9/2018	0	2	2
8/10/2018	0	2	2
8/11/2018			
8/12/2018			
8/13/2018	5	1	6
8/14/2018	6	1	7
8/15/2018	6	2	8
8/16/2018	6	2	8
8/17/2018	6	2	8
8/18/2018			
8/19/2018			
8/20/2018	6	2	8
8/21/2018	6	0	6
8/22/2018	6	0	6
8/23/2018	6	0	6
8/24/2018	6	0	6
8/25/2018			
8/26/2018			
8/27/2018	4	0	4
8/28/2018	4	0	4
8/29/2018	4	0	4
8/30/2018	4	0	4
8/31/2018	6	0	6
<b>Total</b>	<b>81</b>	<b>28</b>	<b>109</b>

Notes:

- 1) On average each truck offloaded 6,665 gallons of leachate
- 2) The agreement with Waste Management is for \$0.095/gallon; on average the charge to offload a truck is \$633
- 3) Total leachate revenue for August 2018 is \$68,921.70



**South Central Wastewater Authority**  
**Leachate Truck Log**

Current Max # of WM Trucks Allowed per Formal Agreement	16
---	----

Date	Origination Site		Total Combined Trucks per day
	# from Amelia	# from Charles City	
9/1/2018			
9/2/2018			
9/3/2018			
9/4/2018	6	0	6
9/5/2018	6	0	6
9/6/2018	6	0	6
9/7/2018	6	0	6
9/8/2018			
9/9/2018			
9/10/2018	6	0	6
9/11/2018	5	0	5
9/12/2018	7	0	7
9/13/2018	6	0	6
9/14/2018	6	0	6
9/15/2018			
9/16/2018			
9/17/2018	6	0	6
9/18/2018	6	0	6
9/19/2018	6	0	6
9/20/2018	6	0	6
9/21/2018	6	0	6
9/22/2018			
9/23/2018			
9/24/2018	6	3	9
9/25/2018	6	3	9
9/26/2018	6	3	9
9/27/2018	6	3	9
9/28/2018	6	3	9
9/29/2018			
9/30/2018			
<b>Total</b>	<b>114</b>	<b>15</b>	<b>129</b>

Notes:

- 1) On average each truck offloaded 6,665 gallons of leachate
- 2) The agreement with Waste Management is for \$0.095/gallon; on average the charge to offload a truck is \$633
- 3) Total leachate revenue for September 2018 is \$81,624

- **Discussion on Additional Landfill Leachate-Mr. Jeff Oakley, President, Oakley Tank Lines**

- **Proposed 2019 Board Meeting Dates**

Following is memo regarding the proposed 2019 Board of Directors meeting Dates.



900 Magazine Rd.  
 Petersburg, VA 23803  
 Office: (804) 861-0111  
 Fax: (804) 861-3254

**MEMORANDUM**

**TO: SOUTH CENTRAL WASTEWATER AUTHORITY: BOARD OF DIRECTORS**

**FROM: ROBERT C. WICHSER, EXECUTIVE DIRECTOR  
 JAMES GORDON, ASSISTANT EXECUTIVE DIRECTOR**

**SUBJECT: PROPOSED SCHEDULE FOR 2019 BOARD OF DIRECTORS:  
 SOUTH CENTRAL WASTEWATER AUTHORITY MEETINGS  
 APPOMATTOX RIVER WATER AUTHORITY MEETINGS**

**DATE: OCTOBER 18, 2018**

Staff is proposing a similar schedule as followed in 2019 for the Board of Directors meetings. The South Central Wastewater Authority-based meetings are held at 900 Magazine Road, Petersburg, Virginia unless otherwise notified as to an alternative location. The Appomattox River Water Authority-based meetings will be held in the Appomattox River Water Authority Board Room located at 21300 Chesdin Road, Petersburg, Virginia unless otherwise notified as to an alternative location. Special Board Meetings may be called based on specific needs. The proposed 2019 Board meeting schedule is as follows:

<b>MONTH/DAY</b>	<b>LOCATION</b>
January 17	Appomattox River Water Authority
March 21	South Central Wastewater Authority
May 16	Appomattox River Water Authority
June 20	Appomattox River Water Authority
July 18	Appomattox River Water Authority
August 15	Appomattox River Water Authority
September 12	South Central Wastewater Authority
November 14	South Central Wastewater Authority

*Note: VML Annual Conference: October 4-8, 2019 Roanoke  
 VLGMA Winter Conference: February 20-22, 2019 Staunton*

**BOARD ACTION REQUESTED:**

Staff recommends that the Board approve the proposed schedule of regular meeting dates for 2019 as presented above.

**5. Items from Counsel**

**6. Closed Session**

**7. Other Items from Board Members/Staff Not on Agenda**

**8. Adjourn**