Agenda Item: 1	Call the Meeting to Order	
COMMUNICATION		j.
Presenter(s):	Chairman	
End Time:	6:00 pm	

Agenda Item: 2	Roll Call
Presenter(s):	Chairman
Present:	Mr. Thayer, Mr. Taylor, Mr. D. Miller, Mr. Campbell, Mr. Hutton, Mrs. C. Miller and Mr. Hutchinson
Absent:	None
End Time:	6:00 pm

Agenda Item: 3 Prayer and Pledge of Allegiance Image: COMMUNICATION Prayer and Pledge of Allegiance	
Presenter(s):	Mr. Hutton opened the meeting in prayer and led the Pledge of Allegiance.
Beginning Time:	6:00 pm
End Time:	6:01 pm

Agenda Item: 4	Approval of the Amended Agenda
Presenter(s):	Chairman
Beginning Time:	6:01 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Actual Motion:	Approve the Agenda as presented.
Motion By:	Mrs. C. Miller
Second By:	Mr. Hutchinson
Voting: Ayes:	7
Nays:	0
Abstain:	0
End Time:	6:02 pm

Agenda Item: 5	Public Query and Comment	
Presenter(s):	Chairman	
Beginning Time:	6:02 pm	
Potential Conflict(s) of	None	
Interest and Abstention(s):		
Speakers:	Mr. Junior Gobble on Denton Valley Road spoke requesting a fire hydrant be installed in the Alvarado area and offered to have the fire hydrant installed on his property.	
Discussion:	Mr. Campbell said he has had requests a hydrant be installed in the Alvarado area. Mr. Cornett is looking into the system limits for fire flow in the area.	
Speakers:	Mr. Billy Brewer of 31428 Holly Field Road in Damascus, Virginia questioned the increase in his water usage since the installation of the new meters.	
Discussion:	Mrs. Edwards offered to follow up with Mr. Brewer to remedy the issue.	
Actual Motion:	None	
Motion By:		
Second By:		
Voting: Ayes:		
Nays:		
Abstain:		
End Time: 6:14 pm		

Agenda Item: 6	Approval of the Consent Agenda
Presenter(s):	Chairman
Beginning Time:	6:14 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Discussion:	None
On the Record:	None
Actual Motion:	Motion to approve the Consent Agenda.
Motion By:	Mr. D. Miller
Second By:	Mr. Hutton
Voting: Ayes:	7
Nays:	0
Abstain:	0
End Time:	6:14 pm

Agenda Item: 7	Legal Counsel Report and Update
Presenter(s):	Thomas Dene
Beginning Time:	6:14 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Discussion:	Mr. Dene had no report for open meeting.
Actual Motion:	None
Motion By:	
Second By:	
Voting: Ayes:	
Nays:	
Abstain:	
End Time:	6:14 pm

Agenda Item: 8	General Manager Report and Update
Presenter(s):	Robbie Cornett and Holly Edwards
Beginning Time:	6:15 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Discussion:	Mr. Cornett and Mrs. Edwards discussed the attached presentation.
On the Record:	None
Actual Motion:	None
Motion By:	
Second By:	
Voting: Ayes:	
Nays:	
Abstain:	
End Time:	6:47 pm

Agenda Item: 9	Operations Report and Update		, ⁴
COMMUNICATION		1	
Presenter(s):	Ron Seay and Drew Langston	·	
Beginning Time:	6:47 pm	4	

Potential Conflict(s) of Interest and Abstention(s):		None
Discussion:		Mr. Seay and Mr. Langston reviewed the attached presentation.
On the Record:	;	None
Actual Motion:		None
Motion By:		
Second By:		
Voting:	Ayes:	
	Nays:	
	Abstain:	
End Time:		7:04 pm

Agenda Item: 10	Engineering Report / Construction Projects Update	
Presenter(s):	Ryan Kiser	
Beginning Time:	7:04 pm	
Potential Conflict(s) of Interest and Abstention(s):	None	
Discussion:	Mr. Kiser updated the Board on the following projects:	
	Galvanized Line Phase 3 Project	
	Waterline Extension Projects	
	Mill Creek Chlorine Contact Tank Replacement	
	Demolition of the old Route 58 Water Storage Tank	
	Smyth Chapel Improvements Project	
	Lee Highway Corridor Sewer Project	
	Mendota/Mary's Chapel Project	
	Administrative Complex and Grounds Improvements	
	 Private Development Projects 	
On the Record:	None	
Discussion:	Mr. Kiser asked the Board to approve a proposed change Order in the amount	
	of \$1,226,120.00 to Boring Contractors for Division 3A of the Galvanized	
	Line Phase 3 Project subject to Rural Development approval.	
Actual Motion:	Approved as requested.	
Motion By:	Mr. D. Miller	
Second By:	Mr. Thayer	
Voting: Ayes:	7	
Nays:	0	
Abstain:	0	

D!		Mr. King shed the Doord for normination apply for project funding and
Discussion:		Mr. Kiser asked the Board for permission apply for project funding and
		commit \$1,500 per connection for Flatwood Acers, Spring Lake Road, Bluff
		Hollow Road, Spoon Gap Road and Buffalo Pond Road.
Actual Motion:		Motion to approve applying for project funding and commit \$1,500 per
		connection for Flatwood Acers, Spring Lake Road, Bluff Hollow Road,
		Spoon Gap Road and Buffalo Pond Road.
Motion By: Mr. Hutchinson		Mr. Hutchinson
Second By:		Mr. Taylor
Voting:	Ayes:	7
	Nays:	0
Α	bstain:	0
End Time:		7:34 pm

Agenda Item: 11	Financial Report and Update
Presenter(s):	Rusty Little
Beginning Time:	7:34 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Discussion:	Mr. Little updated the Board on the state of WCSA's financials including the audit. WCSA received Municipal Relief Fund Grants totaling \$63,000 due to covid- 19 that was applied to 1,100 customer accounts.
On the Record:	None
Actual Motion:	None
Motion By:	
Second By:	
Voting: Ayes:	
Nays:	
Abstain:	
End Time:	7:38 pm

Agenda Item: 12	Human Resources Report and Update
Presenter(s):	Shawn Blevins
Beginning Time:	7:38 pm
Potential Conflict(s) of Interest and Abstention(s):	None
Discussion:	Mr. Blevins had no report.

On the Record:	On the Record:Mr. Campbell asked if meetings in the Maintenance Department were continuing. Mr. Blevins confirmed the meeting were ongoing.		
Actual Motion:		None	
Motion By:			
Second By:			
Voting:	Ayes:		
	Nays:		
	Abstain:		
End Time:		7:39 pm	

Agenda Item: 13	Consideration of a Customer Service Budget Amendment		
	Holly Edwards		
Presenter(s):	Holly Edwards		
Beginning Time:	7:40 pm		
Potential Conflict(s) of Interest and Abstention(s):	None		
Background:	 As part of our telephone communication evaluation, we have determined that one additional staff member is needed in the short-term. To support this request, we offer the following: The number of calls to/from customer service has doubled from November 2018 to October 2021 (three-year period). We believe there are several reasons for this including the discontinuing disconnection for nonpayment twice (2021); closing of the lobby (2020 to present); meter replacement project (2021); leaks at the meter (2021/2022); and what appears to be a change in customer behavior (preferring to call rather than come into the office which began even before the pandemic). With the upgrade of our customer information system that is set to "go live" in 2022, all customers who use our current portal will have to become a customer in the new portal. This will result in more customer calls than normal. Of the nine (9) customer service staff, two (2) have already achieved retirement eligibility and four (4) more will within five (5) years. Depending on the person, training takes about a year to become proficient. Together, these three (3) things lead us to request a budget amendment of \$18,400 for the remainder of the FY 22 budget.		
Discussion:	None		

On the Record:	Mr. Hutchinson discussed a call he received from Randy Smith on the
	Rezoning Commission in which Mr. Smith was complimentary of how fast
	WCSA's maintenance department was able to repair a major leak and get customers back in service on King Mill Pike.
	Mr. Hutchinson then spoke about how expeditious WCSA's maintenance
14	department was in repairing a leak in the Highpoint area of Bristol, Virginia.
Recommendations: Subject to answering any questions the Board may have, Staff k recommends the Board favorably consider approving the budget amend	
	of \$18,400 for the remainder of the Fiscal Year End 2022 budget.
Actual Motion: Move to approve the budget amendment of \$18,400 for the remainder	
	FY 22 budget.
Motion By:	Mr. Hutchinson
Second By:	Mr. Hutton
Voting: Ayes: 7	
Nays:	0
Abstain: 0	
End Time:	7:52 pm

Agenda Item: 14	Closed Meeting
Presenter(s):	Commissioner
Beginning Time:	7:52 pm
Potential Conflict(s) of Interest and Abstention(s):	None
On the Record:	None
Actual Motion:	Motion to adjourn to Closed Meeting
Motion By:	Mr. D. Miller
Second By:	Mr. Hutchinson
Voting: Ayes:	7
Nays:	0
Abstain:	0
End Time:	7:54pm

WASHINGTON COUNTY SERVICE AUTHORITY BOARD OF COMMISSIONERS Closed Meeting February 28, 2022

Mr. D Miller moved that the Board of Commissioners of the Washington County Service Authority adjourn to Closed Meeting in accordance with the Virginia Freedom of Information Act for

1. Code of Virginia Section 2.2-3711 Paragraph (A) (8): Consultation with Legal Counsel

Consultation with legal counsel employed or retained by a public body regarding specific legal matters requiring the provision of legal advice by such counsel, and specifically involving an amendment of the terms the manufacturer's membrane warranty for the Mill Creek Water Treatment Plant currently operated by the Authority.

2. Code of Virginia Section 2.2-3711 Paragraph (A) (8): Consultation with Legal Counsel

Consultation with legal counsel employed or retained by a public body regarding specific legal matters requiring the provision of legal advice by such counsel, and specifically involving the terms and conditions of a proposed Regional Water Agreement between the Authority and the Town of Chilhowie.

In addition to the Board of Commissioners the presence of Robbie Cornett, WCSA General Manager, and Thomas Dene, WCSA General Counsel, and is requested.

Motion: Mr. D. Miller Second: Mr. Hutchinson Vote: Unanimous

Agenda Item: 15	Return to Open Meeting
Presenter(s):	Commissioner
Beginning Time:	9:10 pm
Potential Conflict(s) of Interest and Abstention(s):	None
On the Record:	None
Actual Motion:	Motion to return to Public Meeting.
Motion By:	Mr. D. Miller
Second By:	
Voting: Ayes:	
Nays:	
Abstain:	
End Time:	9:10 pm

Return to Public Meeting

Mr. D. Miller moved that the Board return to Open Session.

Certification of Closed Meeting

Mr. D. Miller moved that the Board adopt the following resolution:

Whereas, the Board of Commissioners of the Washington County Service Authority has convened a Closed Meeting on this date 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 Paragraph D of the Code of Virginia requires a certification by this Authority that such Closed Meeting was conducted in conformity with Virginia law; And

Now, therefore, be it resolved that the Board of Commissioners of the Washington County Service Authority hereby certifies that to the best of each member's knowledge, (1) only public business matters lawfully exempted from open meeting requirements by Virginia law were discussed in the Closed Meeting to which this certification resolution applies, and (2) only such public business matters as were identified in the motion convening the Closed Meeting were heard, discussed or considered by the Board.

AYE by Mr. Thayer Mr. Taylor, Mr. D. Miller, Mr. Campbell, Mr. Hutton, Mrs. C. Miller and Mr. Hutchinson

Agenda Item: 16	Late Items
Presenter(s):	Commissioner
Beginning Time:	9:13 pm
Potential Conflict(s) of None Interest and Abstention(s):	
On the Record:	Mr. Thayer has had requests from the Board of Supervisors and citizens to re- open WCSA's lobby to the public. Mr. Cornett will present the Board with lobby safety and security options at the March regular meeting. Board discussion ensued with Mr. Cornett regarding bidding the Mendota Road Project. The Board agreed to proceed with advertising the Mendota Road Project for bids.
Actual Motion:	None
Motion By:	
Second By:	
Voting: Ayes:	
Nays:	
Abstain:	
End Time:	9:24 pm

Agenda Item: 17	Adjourn
Presenter(s):	Commissioner
Beginning Time:	9:24 pm
Potential Conflict(s) of Interest and Abstention(s):	None
On the Record:	None
Actual Motion:	Motion to adjourn.
Motion By:	Mr. D. Miller
Second By:	Mr. Taylor

Voting:	Ayes:	7	
	Nays:	0	
	Abstain:	0	
End Time:	· · · · · · · · · · · · · · · · · · ·	9:24 pm	
Del	DA	11	

Wayne Campbell, Chairman

Carol Ann Shaffer, Assistant Secretary

Washington County Service Authority



General Manager Report and Update

General Assembly







Board Retreat



GovDeals



GovDeals.§

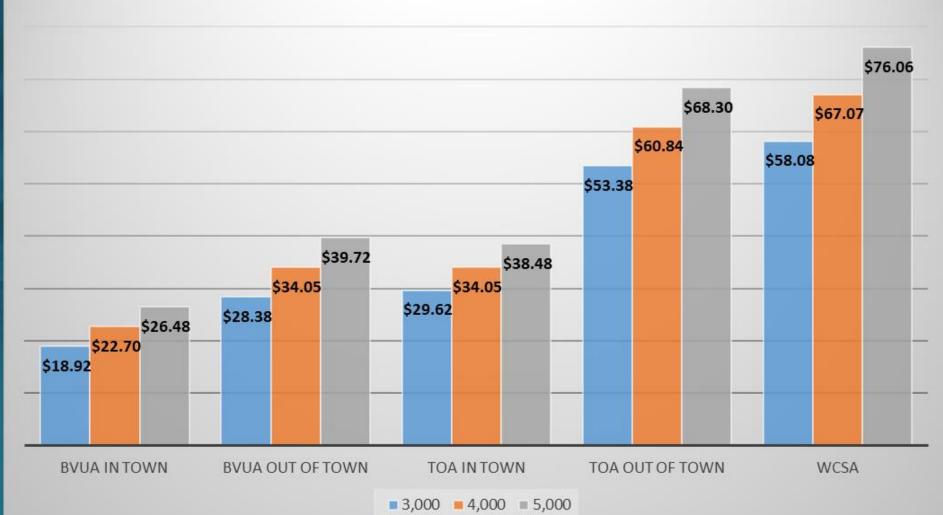
Online Government Surplus Auction

- Customers sometimes ask, why is my bill higher than my friend who lives in _____.
- Rate comparisons will never be apples to apples however, we can compare and shed light on *why* one bill may be higher/lower than another.
- In the coming months, in comparison to three other utilities, we will look at some of the things we can compare and which result in the rates we see today.



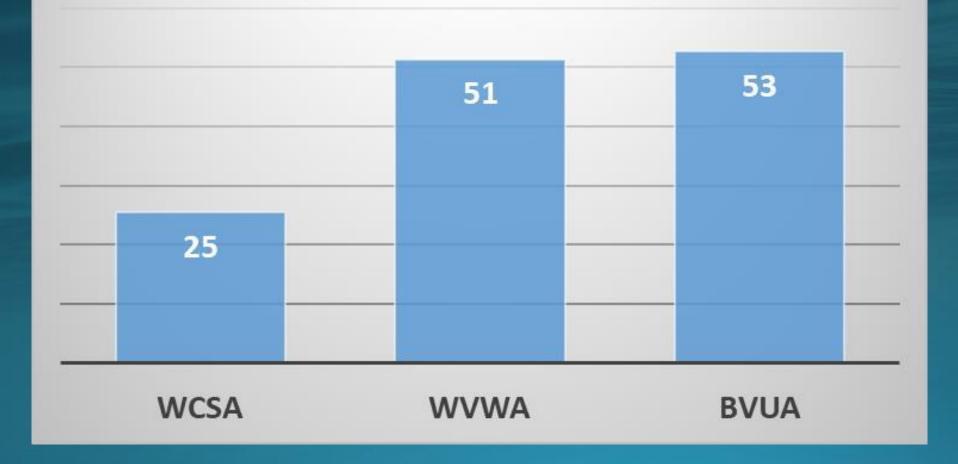
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Residential Sewer



- Three things all utilities have in common:
 - 1. Water/Sewer Line (Miles)
 - 2. Customers
 - 3. Cost to Maintain Water/Sewer Line (Budget)
- If we assume each utility has the same cost to maintain a mile of line (\$550/year) and utility A has 50 customers/mile, the cost/customer is \$11/year
- If utility B has the same cost to maintain a mile of line (\$550/year) but only 25 customers/mile, the cost/customer is \$22/year (double utility A customers)
- Does this make sense? Density matters!

Customers / Mile of Water Line







Residential Water - Nominalized for Density



Guidance on Masks

- January 15, 2022, Governor Youngkin, requests Safety and Health Codes Board consider changes to the DOLI standard
 - February 16, Board adopted DOLIs finding that COVID-19 no longer poses "grave danger" to employees and DOLIs recommendation to revoke the Virginia Standard, subject to a 30-day comment period and second Board meeting/vote.

• February 25, 2022, CDC updates

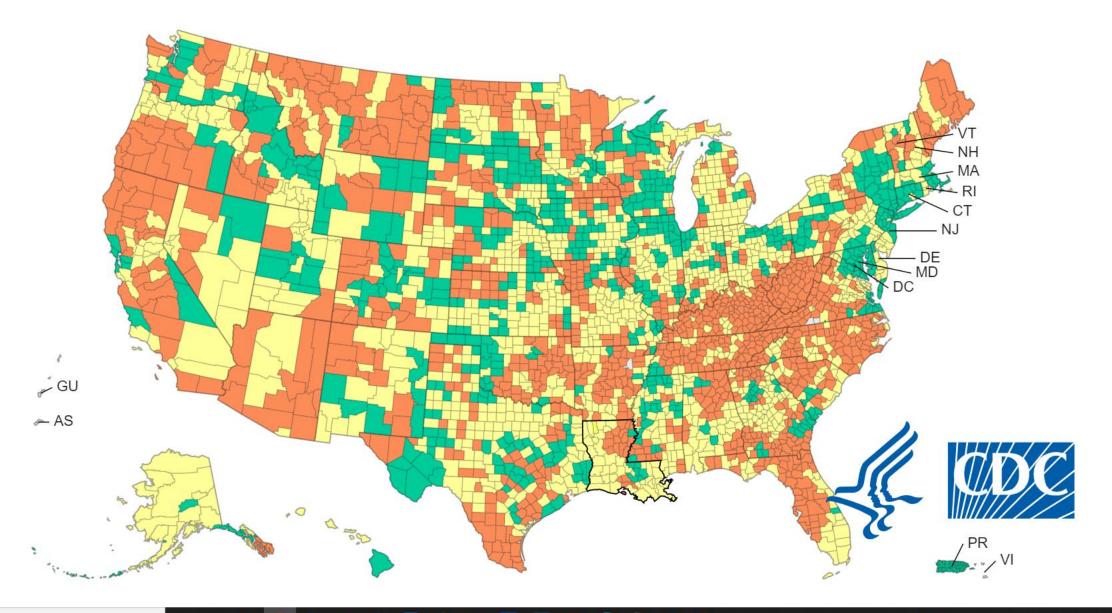


CENTERS FOR DISEASE" CONTROL AND PREVENTION

What Prevention Steps Should You Take Based on Your COVID-19 Community Level?

Low	Medium	High
 Stay <u>up to date</u> with COVID-19 vaccines <u>Get tested</u> if you have symptoms 	 If you are <u>at high risk for</u> <u>severe illness</u>, talk to your healthcare provider about whether you need to wear a mask and take other precautions Stay <u>up to date</u> with COVID-19 vaccines <u>Get tested</u> if you have symptoms 	 Wear a mask indoors in public Stay up to date with COVID-19 vaccines Get tested if you have symptoms Additional precautions may be needed for people at high risk for severe illness

People may choose to mask at any time. People with symptoms, a positive test, or exposure to



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Customer Service Holly Edwards

Telephone Communications

- Proposing one new position to help answer the increased number of calls
 - Number of calls have doubled since 2018
- Meeting with Embarq and telephone consultant on March 3rd to examine the service and systems
 - From this, we will develop a plan

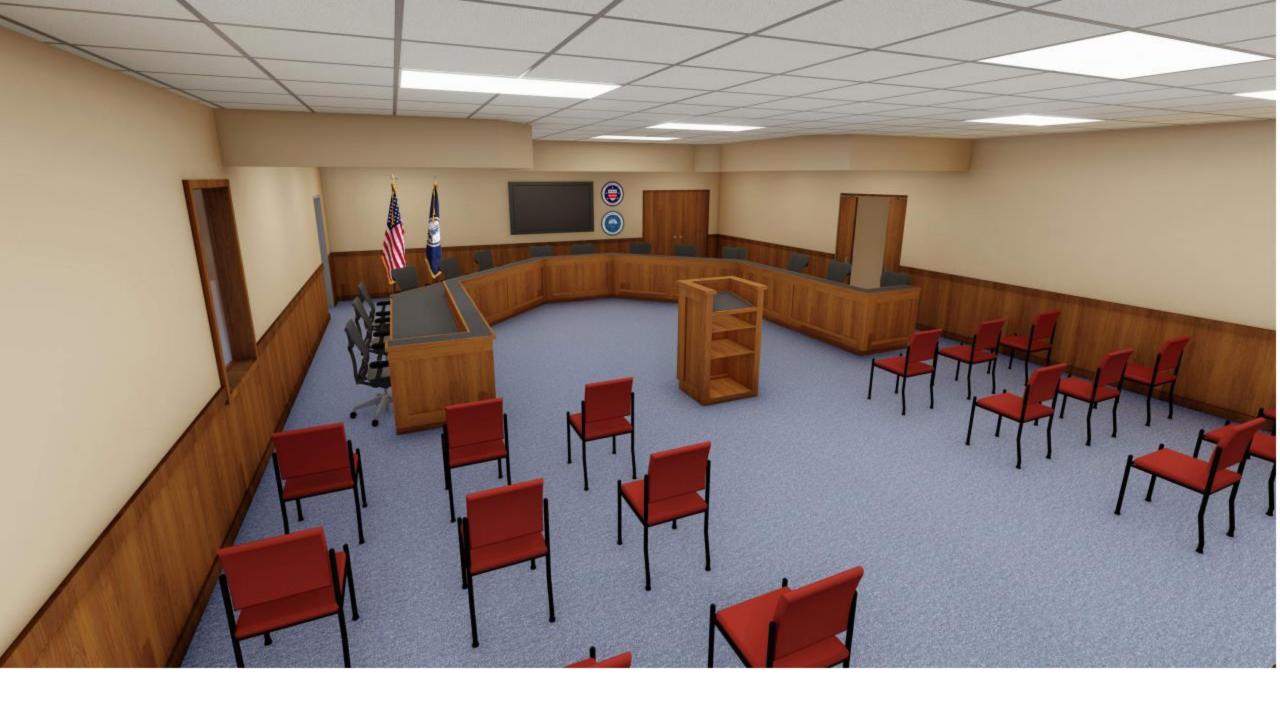




Administrative Building Improvements

• Architect (Thompson & Litton) is helping us with:

- Board room dais (multi-function)
- Customer lobby security issues
- Parking lot light code issues
- Carpet



Washington County Service Authority



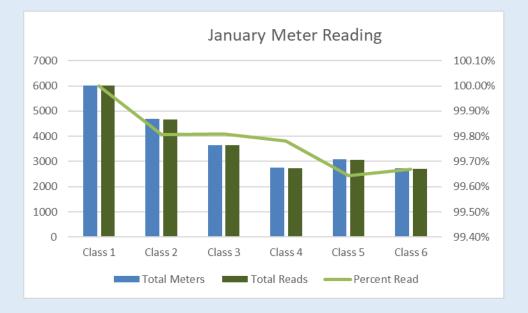
Operations Update

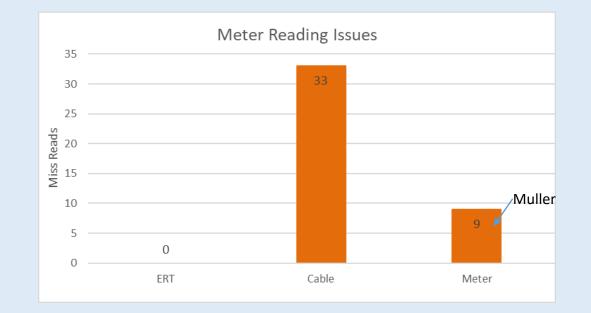
February 28, 2022

Meter Operations

- ~100 meters remain to be replaced
 - Several 4" and 2" in diameter meters (Denmark)
 - Some difficult ³/₄" diameter meters
- AMR reading remains excellent
- AMI testing and transition continues (behind schedule)
 - Successfully read the four test meters
- Meter Leaks
 - Initially, probably due to installation
 - Meter leaks may be due to the gasket between the "yoke" and "expansion wheel"
 - New gaskets are on hand, when called to a meter leak, the gaskets are replaced
 - Tracking gasket replacement in ArcGIS

Meter Operations

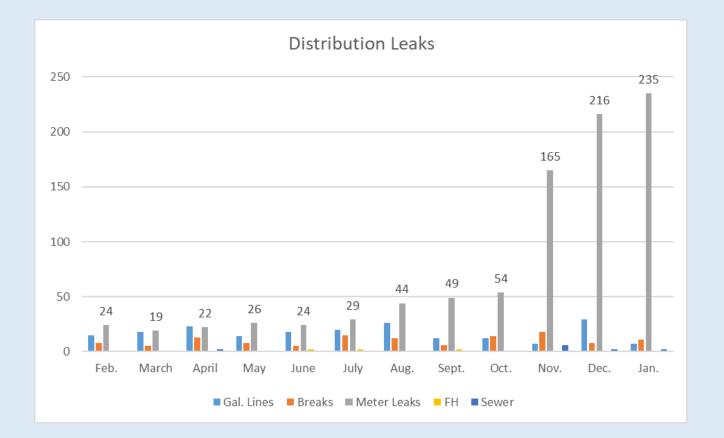




Takeaways:

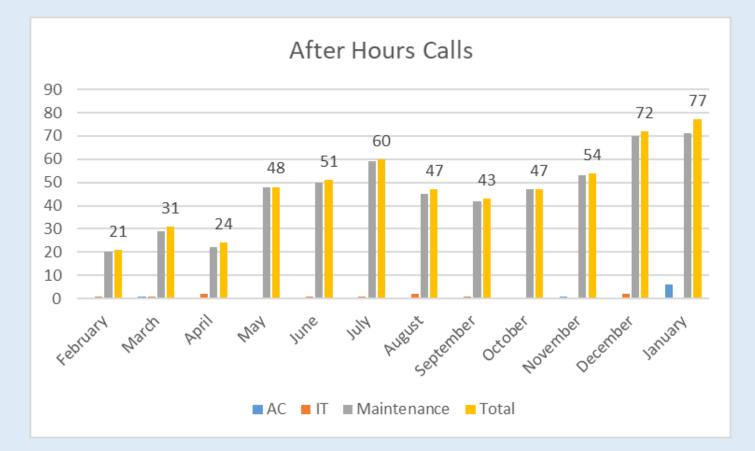
- 1. Meter reading accuracy using AMR is 99.8%
- 2. Meter reading issue is broken cable between ERT and Meter

- Offers accepted two new maintenance crew employees
 - Start date in February
- Completed 1St Quarter Tank Inspections
- Put into service 10 New Fire Hydrants from G3 Project
- Completed all Lift Station inspections
- Completed 1st Quarter pump Stations Inspections
- Installed two Tank shrouds



Takeaways:

- 1. Meter leaks are in part due to gaskets working to determine root cause
- 2. Recording meter gasket change out using ArcGIS Survey



Takeaways:

1. Meter leaks along with seasonal line breaks resulted in a consistent uptick in call-outs in January

- Safety and Security Improvements
- Maintenance Team led by Randall Mitchell installed two shrouds
 - 740 Tank
 - Route 19 Tank



Fire Hydrant Improvements

- Met with Emergency Management Coordinator, Theresa Kingsley & Others
 - Items discussed
 - ArcGIS mapping Application
 - Communication to WCSA in a Fire event
 - Mapping updates
 - Fire hydrant visibility
 - Safe flow capability
 - Identification
 - Safe operation

Fire Hydrant Improvements

- Takeaways from meeting with Emergency Management Coordinator, Theresa Kingsley & Others
 - Shared ArcGIS mapping application
 - Emergency responders can load App on cell phone to locate fire hydrants
 - Dispatch contact WCSA when there is a Fire
 - Currently Dispatch was contacting Middle Fork Plant
 - Updated Dispatch to contact our main number after hours goes to third party
 - WCSA crew will go to the location to assist with Hydrants and meter cut off
 - Mapping updates to Emergency Management
 - Current mapping updates were sent quarterly
 - Increased frequency of updates to monthly or as major changes are made
 - WCSA sourced 7' Reflective Rods to install on hard to locate Hydrants
 - Installed Reflective Rods on two Hydrants
 - Requested feedback from Emergency Management & Fire Departments on hard to locate Hydrants

Fire Hydrant Improvements

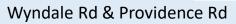
• Installed Reflective Rods on two Hydrants

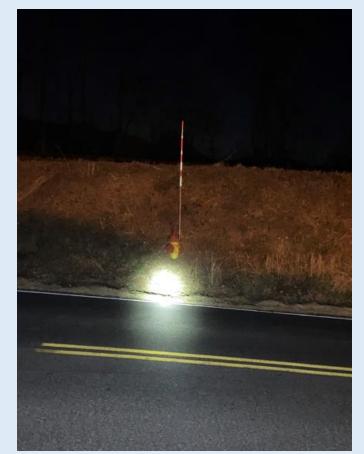
17074 Lee Hwy



Wyndale Rd & Providence Rd







Operations Update

• Looking Forward

Seeking applications for a Manager of Information Technology and Systems

In the process of extending offers to two new Maintenance Crew employees
 Start dates in March

Established project for VPDES Permit reissuance for Hall Creek WWTP

Water Production & Wastewater Production

• Drew Langston will cover...



January 2022

Washington County Service Authority Production/Reclamation Operations Report



Production Operational Notes

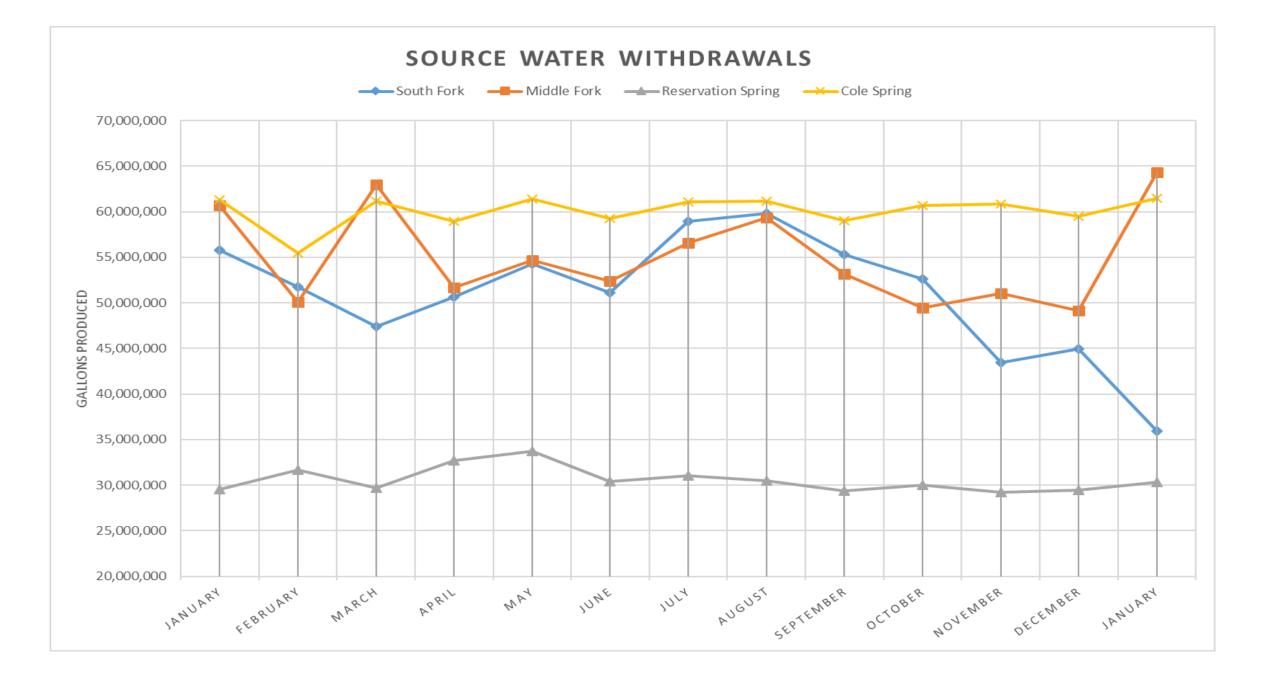
- New hires began Training
- Submitted Semi-Annual DEQ Withdrawal Report
- Conducted Employee Reviews
- Reservation Spring went out of service for two days due to heavy precipitation.
- Leaking joint on a Finish Pump at the Middle Fork was repaired.
- Began procurement of Finish Pump at Mill Creek
- Began Annual Cleaning of filters to remove Permanganate staining.





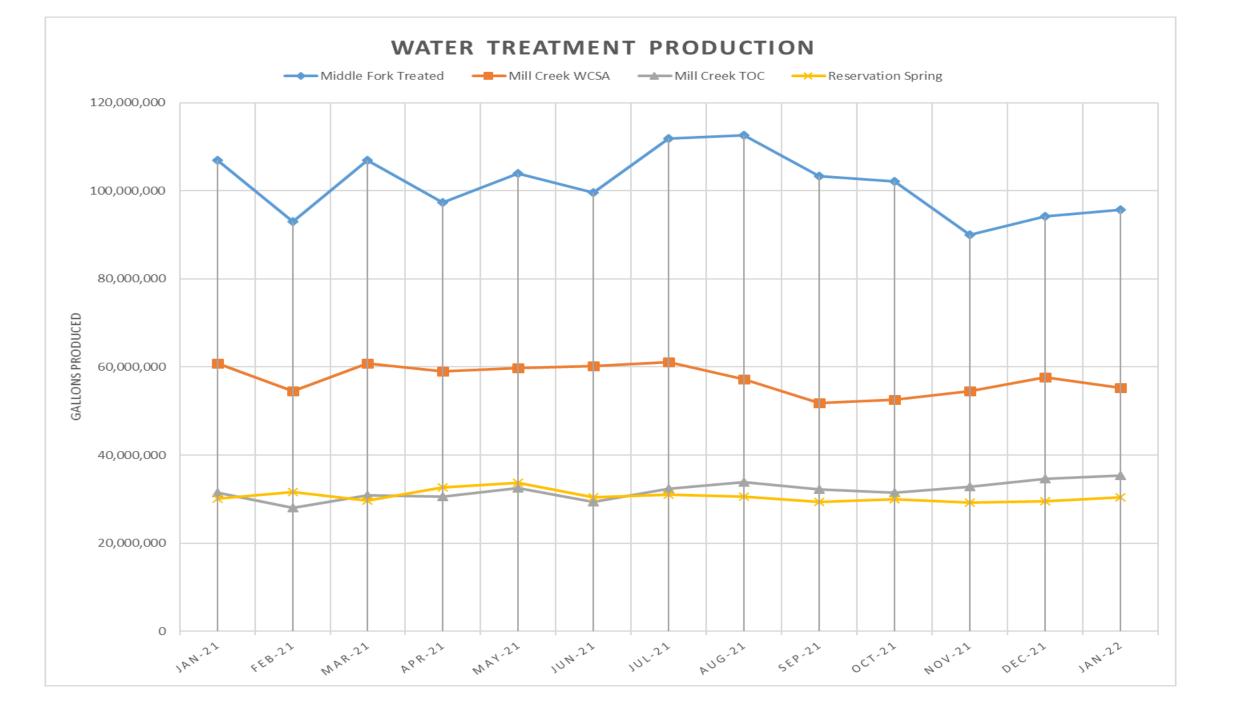
Production Operations Data January 2022 Withdrawals

RAW WATER SOURCE	TOTAL VOLUME WITHDRAWN (Gallons)	AVERAGE DAILY WITHDRAWAL (Gallons)
Middle Fork Holston River	64,340,000	2,075,000
South Fork Holston River	35,900,000	1,436,000
Reservation Spring	30,352,000	979,000
Cole Spring	61,500,441	1,983,985



Production Operations Data January 2022 Finished Water

TREATMENT FACILITY	FINISHED WATER PRODUCED (GALLONS)	AVERAGE DAILY PRODUCTION (Gallons)
Middle Fork Drinking Water Plant	95,615,000	3,084,000
Reservation Spring	30,352,000	979,000
Mill Creek (WCSA)	55,227,000	1,782,000
Mill Creek (Chilhowie)	35,370,000	1,141,000
Mendota	Purchased from Scott County	Purchased from Scott County



Production Operations Data January 2022 STABILITY

Treatment Facility	Average Raw Water Turbidity	Max Raw Water Turbidity	Average Finished Water Turbidity	Max Finished Water Turbidity
Middle Fork DWP	8 (NTU)	94 (NTU)	0.04 (NTU)	0.12 (NTU)
Mill Creek	0.59 (NTU)	2.17 (NTU)	0.01 (NTU)	0.03 (NTU)

Treatment Facility	Average Finished Water Chlorine Residual	Average Distribution Chlorine Residual
Middle Fork DWP	2.10 mg/L	1.20 mg/L
Mill Creek	1.56 mg/L	

ON TRACK FOR GOLD

January 2022 Water Reclamations Operational Notes

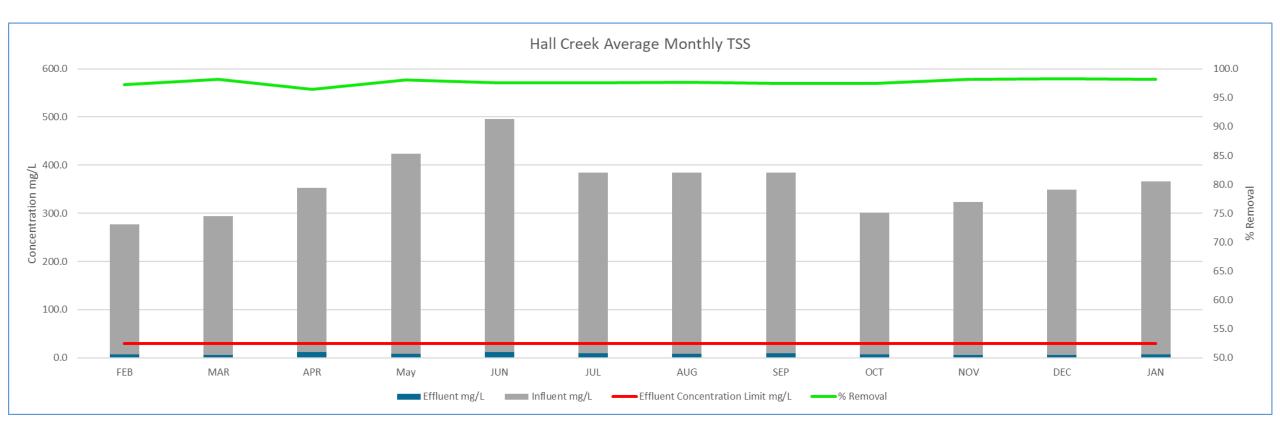
- Performed all DEQ DMR requirements for Hall Creek and Damascus WWTP (November and December)
- Checked Exit 22 Pump Station Daily
- Pulled and cleaned pump 1 at Glade Pump Station
- Pulled pump at Foxfire for repair
- Replaced pump at Abingdon Steel
- Vacuumed Abingdon Steel and Glade 1 Pump Stations
- Changed thermostat at Exit 13 Pump Station.

Wastewater Operational Data January 2022 Hall Creek Damascus

TOTAL Gallons Treated	9,897,000	ΤΟΤΑ
Average Gallons Treated Per Day	319,000	Avera Per D
Total Precipitation	3.66"	Total
Total Tons of Sludge Disposed	44.7	Sludg
Total Lbs of Chlorine Used	613	Total Used
Total Lbs. of Sulfur Dioxide used	520	Total Dioxi

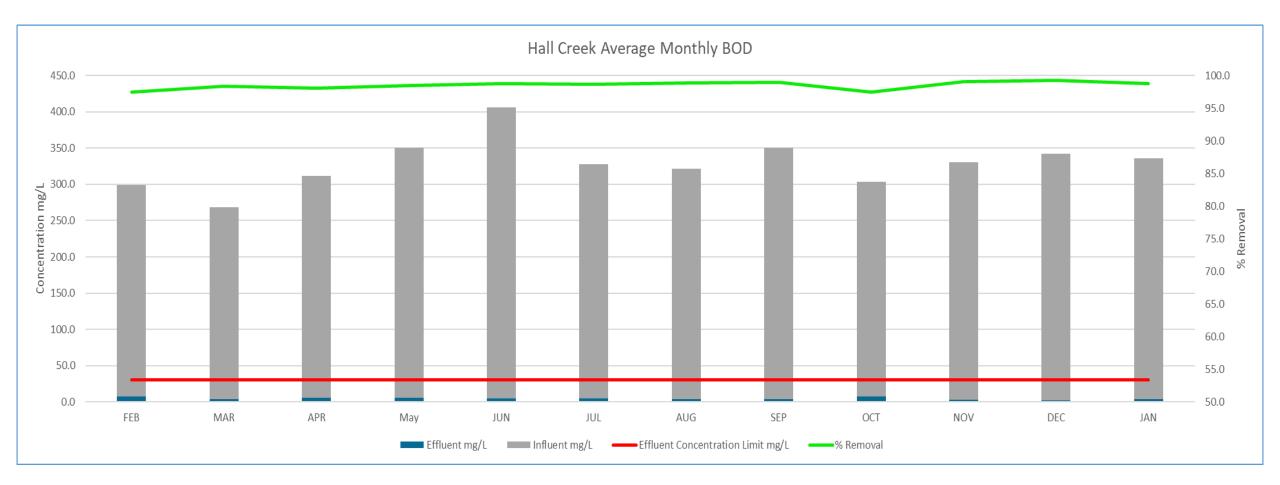
TOTAL Gallons Treated	3,900,000
Average Gallons Treated Per Day	130,000
Total Precipitation	4.07"
Sludge Sent to Landfill	34,960 lbs
Total Lbs of Chlorine Used	161
Total Lbs. of Sulfur Dioxide used	N/A

Hall Creek Operations: TSS



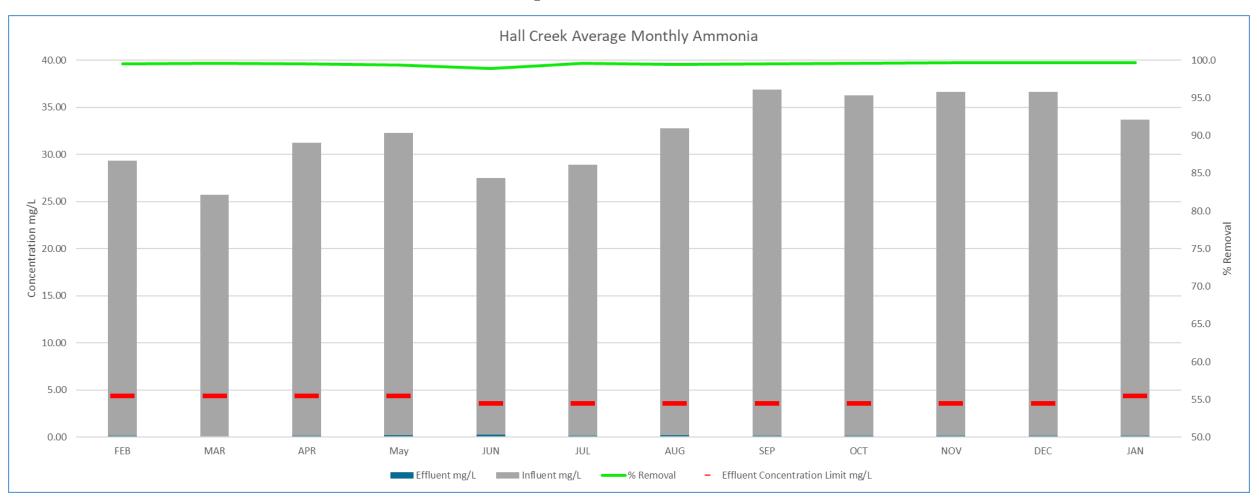
Total Suspended Solids (TSS) removal helps determine the efficiency of wastewater treatment. Effluent results are reported to DEQ on a monthly basis.

Hall Creek Operations: BOD



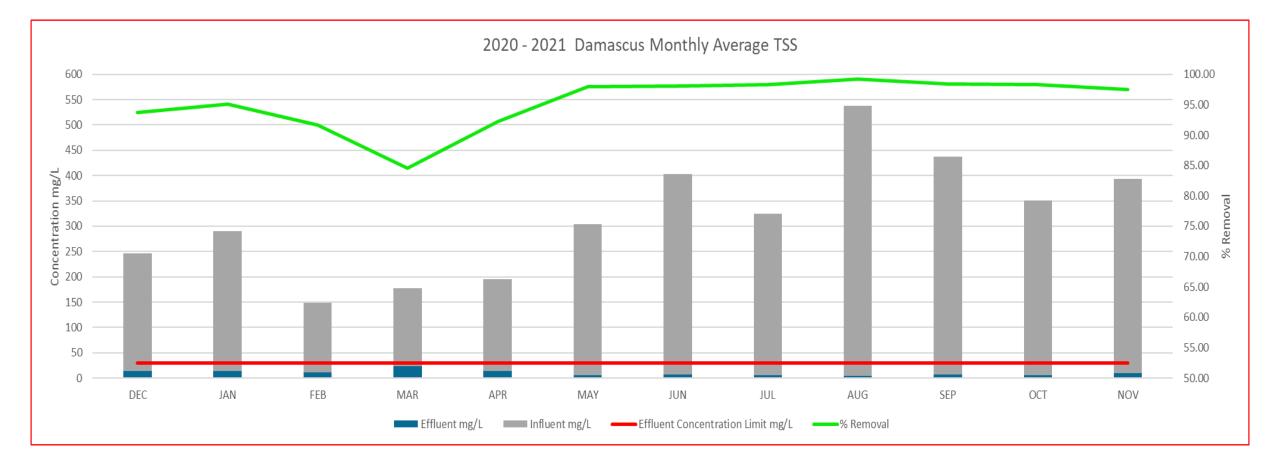
Biochemical Oxygen Demand (BOD) is the strength of wastewater. Percent removal helps determine the efficiency of wastewater treatment. Effluent results are reported to DEQ on a monthly basis.

Hall Creek Operations: Ammonia



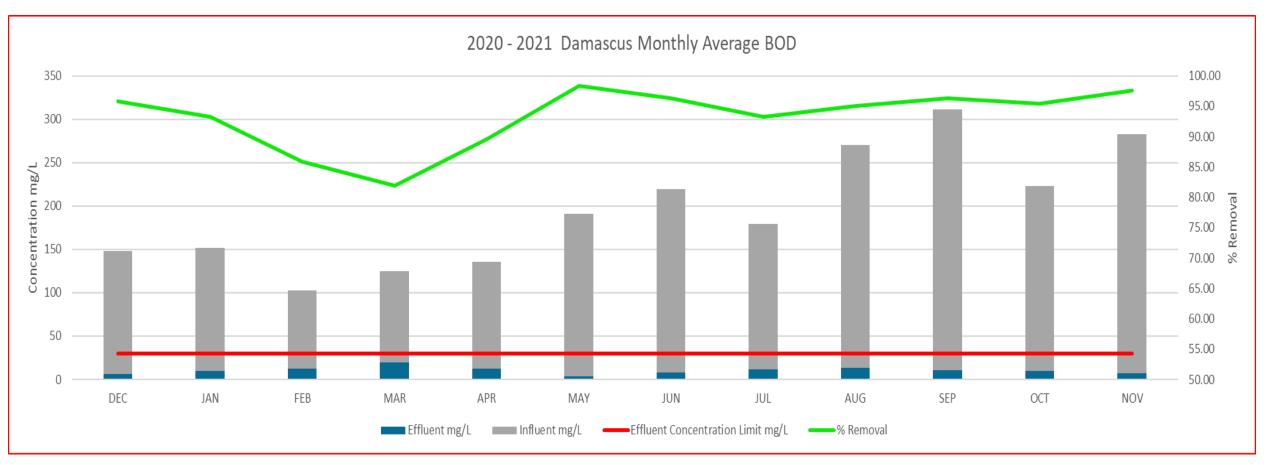
Ammonia is a form of Nitrogen, a natural human waste product. Percent removal helps determine the efficiency of wastewater treatment. Effluent results are reported to DEQ on a monthly basis.

Damascus WWTP Operations: TSS



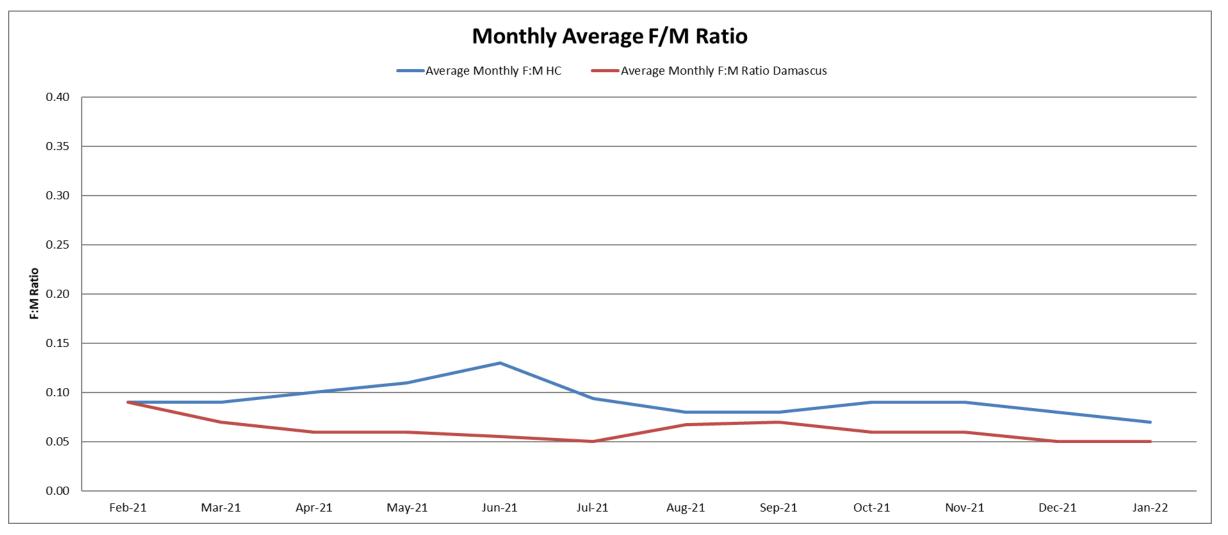
Total Suspended Solids (TSS) removal helps determine the efficiency of wastewater treatment. Effluent results are reported to DEQ on a monthly basis.

Damascus WWTP Operations: BOD



Biochemical Oxygen Demand (BOD) is the strength of wastewater. Percent removal helps determine the efficiency of wastewater treatment. Effluent results are reported to DEQ on a monthly basis.

Food/Microorganism (F/M) Ratio



F:M is monitored on a weekly basis as a process control test. This means that the test is not required by DEQ but helps WCSA monitor treatment so that our regulated samples are in compliance.