



BRIAN CUMBO

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ADMITTED IN KY AND WV

November 25, 2024

Public Service Commission
P.O. Box 615
Frankfort, KY 40602

RE: Martin County Water District
PSC Case No. 2020-00154

To Whom It May Concern:

Enclosed please find Martin County Water District's Notice of Filing the information packet for the November 26, 2024 Board meeting.

Thank you for your attention to this matter.

Very truly yours,

BRIAN CUMBO

BC/ld

Enclosure

cc: Martin County Water District
Hon. Mary Varson Cromer

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC MARTIN COUNTY WATER)
DISTRICT MANAGEMENT AND OPERATION)
MONITORING PURSUANT TO KRS 278.250)

CASE NO. 2020-00154

NOTICE OF FILING

Comes the Martin County Water District, by counsel, and hereby gives Notice of Filing of the attached information packet for the Martin District Board meeting on November 26, 2024.



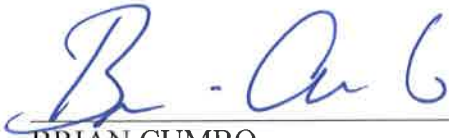
BRIAN CUMBO
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CERTIFICATE OF SERVICE

This will certify that a true and correct copy of the foregoing was served via electronic filing on this the 25th day of November, 2024, to the following:

Public Service Commission
ATTN: Nancy Vinsel
P.O. Box 615
Frankfort, KY 40602

Hon. Mary Varson Cromer
Appalachian Citizens' Law Center, Inc.
317 Main Street
Whitesburg, KY 41858


BRIAN CUMBO

Martin County Water District
387 E. Main St.

Phone (606) 298-3885 Inez, Kentucky 41224

Regular Meeting, Tuesday, November 26, 2024 – 6:00 p.m.
Martin County Government Center (2nd Floor)

- 1) Open Meeting with Prayer and Pledge of Allegiance
- 2) Call the meeting to order
- 3) Review and Consideration to Approve Minutes
- 4) Review and Consideration of Financial Reports
 - A. Review and Consideration to Approve Treasurer's Report
 - B. Review and Consideration to Approve Other Financials
 - C. Review and Consideration to Approve Bad Debt Write Off/Collection Agency
- 5) Review and Consideration to Approve Bills
- 6) Legal
 - A. Any Issues for Discussion with Board Attorney
 - B. Vote to have Attorney draft letter to PSC requesting relief of the quarterly Evans reporting
- 7) Operations
 - A. Alliance Operations Report
 - B. MOR
 - C. Water Loss Report
 - D. Leak Adjustments
- 8) Capital Projects Report
 - A. Project Updates
 - B. 5 Year CIP
- 9) Other Old Business
- 10) Other New Business
 - A. Telemetry Contract Amendment- Authorize Board Chair to sign close out to Grant 17P-050
 - B. Revenue Sufficient Report
 - C. Special Meeting December 12, 2024
 - D. Reschedule Regular December meeting to December 17, 2024
 - E. Bell Provide Update
 - F. Alliance Water Meter Project Update

- G. Review and Consideration for Remaining Funds from the Collins Creek Project
- H. Authorizing Board Chair to sign Sester Branch Specification Contract
- I. Discussion of Prestonsburg Wholesale Contract

11) Consider Motion to Convene into Closed Executive Session

12) Consider Motion to Close Executive Session

13) Introduction of Guest-Five (5) Minute Maximum

14) Adjourn

Notice is hereby given that, subject to a motion duly made and adopted, the Board of Directors may hold an Executive Session subject to the laws of Kentucky.

**Martin County Water District
Special Meeting of the Board of Directors
November 12, 2024, Meeting Minutes**

Presiding: Tim Thoma

Present: Directors: Nina McCoy, John Hensley, Vernon Robinson, Colby Kirk
Staff: Brian Cumbo (Attorney), Todd Adams (DM), Colby May (LM), Erica Bogenpohl, Cassandra Moore

Guests: Steve Caudill

The Special Meeting of the Martin County Water District was held on November 12, 2024, at the Martin County Government Center, at 42 East Main St (2nd Floor), Inez, Kentucky 41224. Mr. Thoma called the meeting to order at 6:44 p.m.

Mr. Thoma called for review of the October 22, 2024 Board Meeting minutes

- Mr. Kirk motioned to accept the October 22, 2024 minutes with the revision of adding one nay to last month's minutes on the motion to Elect a New Board Chairman
- Mr. Hensley seconded
- All ayes
- Motion carried

Mr. Thoma asked if there were any legal issues to discuss

- Mr. Cumbo updated the Board that he sent an email to Big Sandy ADD and they responded that they were going to send a letter to Xylem. Frank Heaberlin the Attorney for Big Sandy Add stated that he would provide Mr. Cumbo with a copy of the letter once he sent it, but Mr. Cumbo has yet to see the letter
- Mr. Thoma asked Mr. Cumbo if it's his understanding that Big Sandy ADD is in the position that they're asking Xylem to make the board whole for the diesel pump and fuel cost?
- Mr. Cumbo advised that he did not get that understanding from them. What he got from them was that they were going to ask Xylem to produce the pumps. They were silent on the part of making us whole for the pump and diesel cost
- Mr. Thoma requested discussion of the review and consideration to approve Board Attorney's new hourly rate
- Mr. Hensley motioned to approve the Board Attorney's new hourly rate
- Mr. Kirk seconded
- All ayes
- Motion carried

Mr. Thoma inquired if there was any Other New Business to discuss.

- Mr. Steve Caudill with Bell Engineering started with RWI & WTP Improvements- There was only a limited amount of money available for the project. The project scope at the plant includes rehabilitating treatment unit 1, construction of a new vault for treatment unit 1, adding settling tubes to treatment unit 3, repainting treatment units 1-3, adding a backup generator, replacing the roof over the chemical feed room and adding new chemical feed piping. At the raw water pumps, expanding the electrical building adding a new transformer, purchasing new pumps with VFD's and a river screen.
- Mr. Thoma stated that he was a little lost on where the 600hp and 400hp pump went? How did we end up with a 300hp pump that doesn't work at all?
- Mr. Caudill answered that the 300hp was the equivalent of the pump that was being utilized there at the time. At the time, the district was utilizing a rental pump from Xylem and it was a 300hp pump, pumping at the 2000gpm rate. An addendum then changed it to 300hp because that was the equivalent to what was being utilized at the time. Same model, same everything.
- Mr. Thoma stated he looked at the curve of the 600hp and the 400hp and the 300hp doesn't match either one of them.
- Mr. Caudill agreed, but stated again that the 300hp was the one that was being utilized out there at the same time
- Mr. Thoma asked Mr. Caudill if he agreed with him that at this time the 300hp does not work out there now.
- Mr. Caudill answered that it was the same pump that had been out there in previous times
- Mr. Thoma stated that it wasn't on the same stand
- Mr. Caudill agreed, but stated that the suction level of that pump should be good for at least 25-30000 feet
- Mr. Thoma disagreed and said that it states it good for 26000 feet, but if you look at the TDH it's so low that it would never push the water to meet TDH requirement. It can't overcome the head pressure. He also stated that he wasn't impressed with the electrical lines at RWI. They wouldn't meet code, and were just laying across the ground
- Mr. Caudill stated that those lines were initially going to be suspended in the air, but had to be removed due to cost
- Mr. Thoma asked where is Bell Engineering at in the process of an engineer record, to getting this rectified?
- Mr. Caudill answered they are reviewing the plans and should have an answer in the next couple of weeks about why the pump is not working and what can be done, and any other issues
- Mrs. McCoy asked if the 600hp pump is the one you are supposed to use and the other is a backup
- Mr. Caudill agreed, that's the intent
- Collins Creek Area Line Improvements- This project was funded by the Core of Engineers. The project scope included the replacement of mainline, service line and meters along the majority of Collins Creek. Construction began on July 1,

2024. The new mainline, service line and meters have been installed. All customers have been moved over to the new line and the old line has been disconnected. There were several leaks discovered in the old-line during construction, including two that were approximately 20gpm each. Clean-up, seeding, strawing and paving are complete. Closeout should occur by the end of the year. It appears there will be over \$500,000 remaining in the project (including the match). They have discussed with the ADD potentially using some of this money at the WTP/RWI.

- Mr. Thoma asked if there were any thoughts or anything on paper of how that money will be spent?
- Mr. Caudill answered no, not yet.
- Mr. Thoma asked Mr. Adams if he had a new chemical feed system design at the plant under a different funding source, or is this something this money could pay for?
- Mr. Adams answered that it's not under a specific design or concept in place for that, no
- Mr. Thoma asked Mr. Adams to advise some recommendations on what that money could be used for. Mr. Adams stated he had some ideas on what the money could be used for. For example, they know that clarifier 2 hasn't been rehabbed. Filter media that could be changed out in all the filters. There are several things at the plant that the extra money could be used for
- Mr. Thoma asked Mr. Adams if he could draft a list of potential items for Mr. Caudill to review and see if any could be applied to this project amount?
- Mr. Caudill answered, yes
- KY 292 Telemetry Project- The project scope includes adding telemetry to the KY 292 Pumping Station and KY 292 South Tank with these funds. This will allow the district to monitor tank levels and water usage remotely and respond in a timely manner to breaks in the line. The single bid was submitted by Microcomm. Microcomm is the company that handles the District's telemetry. Microcomm has been onsite twice installing equipment. They are working with the contractor to get two check valves installed when they return to complete the work. Reviewing a proposal or some additional work at the telemetry sites.
- Setser Branch Utility Relocation- This is a utility relocation of an existing Martin County Water District line to facilitate the construction of a new bridge by KYTC. These are projects that the District is not out any money on and often times for creek crossings. Creek crossings can be problematic for the District. Bids for the project were opened on October 3, 2024. The low bid was submitted by Boca Enterprises. Contract books have been forwarded to the contractor for execution. A project preconstruction meeting will be scheduled, and the project will move to construction upon receipt of the executed contract books, along with the contractor's performance bond, payment bond and insurance. This should occur within the next month
- Otto Brown Pump Station and Line Replacement Project- The project will rehabilitate the existing Davella Pump Station, construct a Master Meter, construct a booster chlorination system, replace the existing Otto Brown Pump Station that is beyond its useful life and subject to confined space constraints and replace the

existing waterline in the vicinity of the Otto Brown Station that is subject to leaks. The new station will be above ground. Plans have been submitted to AML for environmental review. Preparing to make a DOW submittal and will circulate those plans prior to submittal. The project may be bid upon concurrence by both agencies

- KY 292 Utility Relocation- The project will replace a waterline along KY 292 very close to where the 292-pump station is, to accommodate construction of a new bridge by KYTC. This Project design is complete. Bids for the project should open in December and the project should go to construction early next year. Again, these are lines that are in a difficult location for the District. The existing lines will be replaced with polyethylene lines; therefore, you will have a continuous pipe that should not be subject to leakage
- FEMA Backup Generator Project- The project will construct one generator to operate the 750hp VFD Controlled RWI pump and two generators to operate the 60hp VFD Controlled Pump Stations (40E & 40W). The District received a commitment letter from FEMA advising of award in the amount of \$1,140,300. The Area Development District is working on obtaining the match funding. There is a match with FEMA projects, and it's usually 13%, but for this one they are only asking for 5-6%
- KY 908 Guardrail Project- The project will replace a portion of the mainline along KY 908 between the water treatment plant and Inez. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved
- Replace Bridge on KY 40 Over Buck Creek- The project will replace portions of the waterline along KY 40 and Buck Creek to facilitate the realignment of the road/intersection at this location. Bell has prepared an opinion of construction cost for KYTC and forwarded it for their review. Design will move forward upon receipt of concurrence from KYTC that funding is available. Construction will occur at the schedule dictated by KYTC
- 40 E Water Improvement Project- Project would remove existing water connections from a waterline that is leaking and move them to a 10" parallel line. The leaking line would then be removed from service. The project will move forward when AML funding is available
- Turkey Tank Rehabilitation- The project will rehabilitate the existing Turkey Tank. The District has been advised it will receive funding for this project. Project can move forward upon the receipt of funding
- Mr. Thoma asked Mr. Caudill if he had the signed agreements with KYTC and the District
- Mr. Caudill answered no but he would get the copies and forward to Mr. Thoma
- Countywide Meter Replacement Project- Project would replace all meters (residential and commercial) in the Martin County Water District system. The District has been advised it will receive funding for this project. Project can move forward upon the receipt of funding
- Coldwater Water Improvement Project- Project would replace the existing waterline, service line and meters in the Coldwater area. Bell is currently working with ADD on documents associated with the \$5,000,000.00 project award

- Old Route 3 Water Improvement Project- The project would replace the existing waterline, service line and meters in the Old Route 3 area of the county. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration. AML anticipates funding a portion of the project next year
- Spicy Mountain Water Extension- An opinion of probable project cost for delivery of water from the Johnson County side of the Mountain along with an interconnect with Johnson County has been prepared. A revised project profile has been submitted to the ADD
- Inez Utility Replacement- Met to discuss options for replacing the utilities in Inez. Since the streets will be torn up to replace those utilities, we are attempting to incorporate some economic development components as the streets are built back. These could include way-finding signs, trails, parks, pavilions and streetscape improvements. Bell has finalized a contract for preliminary work and forwarded it to the Martin County Water District for consideration. The district has forwarded it to the City of Inez and Martin County Fiscal Court for consideration
- Water Improvement Project Between WTP and Turkey Tank- Project would replace the existing waterline, service line and meters between the WTP and the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration
- Mr. Caudill concluded with the last projects, which was a list of various projects that they have prepared probable opinions for project costs to look at and give the District ideas on what some of it would cost in the future
- Mrs. Mccoy asked about the tank at the High School and the ability to utilize it?
- Mr. Caudill apologized that he left it out of the updates. This is another project that required looking at the piping around the pump station that pumps to the tank that services the High School. By constructing a valve vault and putting some check valves in and changing some valves around a little bit, it looks like they could send some water out in emergencies to other parts of the county. Right now, the District doesn't have that ability to do that. It wouldn't cover everyone, but could help a lot in an emergency
- Mr. Kirk asked if there was a Master Plan that all of these projects are coming from that has what our priorities are?
- Mr. Caudill answered, there is not. At one point the District proposed to AML to do a CIP just for the water side and use AML funding, but AML declined to fund it. It was shot down in Washington by the OSM office
- Mr. Kirk asked if there were other offices that could be pursued?
- Mr. Caudill answered, yes
- Mrs. McCoy asked how much this would cost?
- Mr. Caudill answered, it would depend on how in dept you wanted it. It could range from \$25,000-\$100,000
- Mrs. McCoy advised that there was a promise from Thrive Coalition, a local organization, to help get a Master Plan created
- Mr. Adams advised that Toyota had donated \$50,000 to Thrive Coalition to come up with a Strategic Plan for the Water District. They received one bid, and that response stated that it was not enough money to cover what you need to do

- Mr. Kirk stated it would be nice to have a document that has an Engineering perspective of order of priorities so when an opportunity comes up with KY legislator, so we could advise that the project was number 3 on the list, we don't have the funds we need for it, so we are going to go after that at this time. That way we're not scrambling at the last minute to come up with a project
- Mr. Adams advised he wouldn't recommend doing the basic model, because all they're going to do is come in and look at the CIP that we have already and use our recommendations anyways. If we are going to do one, we need one with an in-dept plan that goes in and studies everything
- Mr. Kirk advised that there are technical assistance grants through the Appalachian Regional Commission that we could apply for and maybe use the Thrive \$50,000 to match
- Mr. Thoma asked how do we get from where we sit today to point A? The first step is to figure out this Thrive Coalition and the \$50,000, and what's going to happen to that? Can we leverage that with what Mr. Kirk spoke about? Mr. Thoma will follow up with some calls to figure out how we can leverage it to fulfil what we need. Mr. Thoma asked Mr. Caudill if he could look into how much it would cost to do what we need and get back to the Board with that information?
- Mr. Caudill stated, yes
- Mr. Thoma asked for a motion for the Removal of Old Board Members/Add New Board Members to all Bank Account for Check Signatures
- Mr. Hensley motioned for the Removal of Old Board Members/Add New Board Members to all Bank Account for Signatures
- Mrs. McCoy seconded
- All ayes
- Motion carried
- Mr. Thoma asked for a motion to review and consider solicit insurance
- Mr. Hensley motioned to solicit insurance
- Mr. Kirk seconded
- All ayes
- Motion carried
- Review and consideration to approve Board Attorney to craft Memorandum of Understanding between the Water District and Alliance for the execution of KIA agreement for Lead and Copper funding. Mr. Thoma advised that the concern he has is the agreement basically states that the District/Board will deliver on the Lead and Copper funding requirements. The problem is the Board doesn't execute that work, Alliance does. Before this Board can approve him to sign it, he's asking the Board to approve our Attorney to generate a MOU between the District and Alliance, so Alliance is agreeing to execute and fulfill the agreement on behalf of the District. Mr. Thoma asked for a motion to approve Board Attorney to craft a MOU between the Water District and Alliance
- Mr. Hensley motioned to approve the Board Attorney to craft a MOU between the Water District and Alliance
- Mr. Robinson seconded
- All ayes

- Motion carried
- Mr. Thoma asked for a motion to approve the Chairman to execute the KIA agreement
- Mr. Kirk motioned to approve the Chairman to execute the KIA agreement once the MOU is in place
- Mr. Hensley seconded
- All ayes
- Motion carried
- Mr. Thoma asked for a motion to not sign/approve the Coldwater Water Improvement Project Agreement
- Mr. Thoma read item 2 subsection 2, "holds harmless, defend, and identify the grantee from any and all claims, actions, suits, charges, judgements, etc. that arise out of the grantee's performance or nonperformance of the services or subject matter called for in disagreement." His concern is that when you sign an agreement that basically holds the party executing the work harmless and you can't bring a claim against them, you're giving up all your rights. What he would like for the Board to do is have a motion for the Board Attorney Mr. Cumbo to go back to Big Sandy ADD for two things. One is, if we're going to put in an indemnification clause in agreement, they need to indemnify the District, so in other words if we're going to hold them harmless then they need to hold us harmless. Number two, add also to this agreement that if the grantee causes harm to the District or anybody signatory to the contract, then the District has a right to pursue a remedy for that harm.
- Mr. Cumbo agreed with Mr. Thoma
- Mr. Hensley motioned not to sign/approve the Coldwater Water Improvement Project Agreement until Mr. Cumbo works out favorable terms with Big Sandy ADD
- Mrs. McCoy seconded
- All ayes
- Motion carried
- Mr. Thoma asked for a motion to not sign/approve the Project Close out Report
- Mr. Robinson motioned to not sign/approve the Project Close out Report
- Mr. Hensley seconded
- All ayes
- Motion carried
- Mr. Thoma asked for the review and consideration to approve upcoming Meter Project Path once received. At this time the Board has not yet approved what meters the District is going to replace with, what software they're going to utilize, and all of that. It's Mr. Thoma's understanding that if we move away from the current meter type that we have, it could potentially cost us \$60-\$70,000 more in software.
- Mr. Adams stated that as of now that was the price quotes he had received, yes. If the Board decides to go with new meters, they will have to replace the software and any meters they have purchased in the last few years as well.
- Mr. Thoma asked, if the money that has been approved was a cost estimate for the Mueller Meters?

- Mr. Adams answered, yes it was a cost estimate for the meters we currently have, which is the Mueller Meters.
- Mr. Thoma asked for a motion to approve the Mueller Meters Project Path, so that as soon as the money hits the grant book, we start this process
- Mr. Adams mentioned that this part of this project path original estimate was for a contractor to install all of these meters? The path needs to be decided whether the Board is going to hire a contractor or allow Alliance to install these meters based off the provision in the contract currently that says that says we will provide “x” services this is our compensation. We will bring additional staff in to complete the project
- Mrs. McCoy asked if we could see the difference between the cost?
- Mr. Adams answered, yes. We could give you a cost estimate that would say not to exceed “a dollar” amount
- Mrs. Bogenpohl advised the board that she would be able to come back to the Board at the next meeting and provide them with a proposal of what it would cost Alliance to complete the project
- Mr. Thoma asked the Board what their thoughts were on the matter
- Mr. Kirk asked when we expected the funding?
- Mr. Adams advised he was told the grant funding book could drop at any time
- Mr. Kirk advised that he thought the ability to save money on getting replaced sooner rather than later would outweigh the cost
- Mr. Kirk motioned to approve the Meter Project Path with the Mueller Meters and with Alliance as a contractor to complete the project
- Mr. Hensley seconded
- All ayes
- Motion carried
- Mr. Thoma addressed the review and consideration to approve the Turkey Tank Resolution once received
- Mr. Adams advised that this was the same thing, it was an earmark that was gave through State Legislation for the rehab at the Turkey Tank. We’re just waiting on the grant book for this too, it could drop at any time. Once it gets dropped, the design phase will happen with Bell. This motion will allow the Chairman to review and approve it
- Mr. Hensley motioned to approve the Chairman to review and approve if applicable
- Mrs. McCoy seconded
- All ayes
- Motion carried

Executive Session Not Required

Mr. Thoma requested a motion to adjourn.

- Mr. Robinson motioned to adjourn the meeting at 8:10 p.m.
- Mr. Hensley seconded
- All ayes

- Motion Carried

Minutes approved this _____ day of _____, 2024.

Chairman

Cassandra Moore, District Clerk

Martin County Water District
Balance Sheets
October 31, 2024

	10/31/24	10/31/23
ASSETS		
CURRENT ASSETS		
Checking Account - Operations	\$ 73,253.38	\$ (8,883.32)
Revenue Fund - EFT	11,947.46	2,775.90
Debt Service Surcharge Fund	1,000.08	76,904.84
Management Infrastructure Surcharge Fund	1,000.13	1,000.13
Security Deposits	101,710.61	102,575.17
Cash on Hand	900.00	900.00
Total Cash	189,811.66	175,272.72
Accounts Receivable	369,095.16	355,634.54
Allowance for Doubtful Accounts	(63,000.18)	(75,558.60)
Unbilled Accounts Receivable	46,933.00	80,438.00
Inventory	4,249.44	2,948.14
Prepaid Expenses	14,151.83	9,579.60
Total Current Assets	561,240.91	548,314.40
PROPERTY, PLANT, & EQUIPMENT		
Land	214,713.83	214,713.83
Water Supply & Distribution System	28,460,189.36	28,479,181.44
Buildings	500,263.89	500,263.89
Equipment & Furniture	6,186,445.00	6,362,125.35
Vehicles	47,635.45	69,420.45
Construction Work in Progress	333,133.88	216,774.00
Leased Assets	33,934.71	33,934.71
Less: Accumulated Amortization - ROU leased asset	(26,832.12)	(17,361.96)
Less: Accumulated Depreciation	(19,559,987.22)	(19,059,283.40)
Net Property, Plant, & Equipment	16,189,496.78	16,799,768.31
RESTRICTED CASH		
Grant Fund	63.07	63.07
Sinking Fund - RD	12,669.83	6,924.83
Regions Sinking Fund	87,620.66	84,777.75
KIA Sinking Fund	5,726.99	6,961.45
KACO Sinking Fund	7,580.91	7,218.16
Depreciation Fund	1,022.68	1,022.44
Cost of Issuance Fund 2022	2,098.00	2,098.00
Certificate Fund - 2022 Debt Svc	-	20,107.13
Revenue Fund - 2022	-	3,516.49
Rt 40E Water Improvement Project	100.00	-
Accrued Interest Receivable	341.00	489.00
Total Restricted Cash	117,223.14	133,178.32
 Total Assets	 \$ 16,867,960.83	 \$ 17,481,261.03

Martin County Water District
Balance Sheets
October 31, 2024

	10/31/24	10/31/23
LIABILITIES AND DISTRICT'S EQUITY		
CURRENT LIABILITIES		
Accounts Payable	\$ 313,840.22	\$ 130,638.72
Sales Tax Payable	2,838.55	2,933.96
School Tax Payable	6,423.13	6,646.43
Current Portion of Lease Liabilities	9,869.98	-
Long Term Debt-Current	50,691.96	54,845.14
Accrued Interest Payable	19,937.64	28,523.50
Customer Deposits	102,023.73	98,115.58
Total Current Liabilities	505,625.21	321,703.33
LONG-TERM DEBT		
Lease Liability - Rent	7,795.54	17,565.33
Note Payable - KIA	-	233,911.77
Lease Payable - KACO	11,221.96	26,221.96
Bonds Payable - 2015 E Current Refunding	1,520,000.00	1,585,000.00
Bonds Premium - 2015 E, Net of A/Amort	15,224.75	15,979.62
Bonds Payable - 2022 B	-	1,110,000.00
Note Payable - KIA WMAF	1,278,563.63	-
Bonds Premium - 2022 B, Net of A/Amort	-	987.96
Current Portion of Lease Liabilities	(9,869.98)	-
Less Current Portion of L-Term Debt	(50,691.96)	(54,845.14)
Other Inflow Resources - Pension	22,451.00	372,879.00
Total Long-Term Debt	2,794,694.94	3,307,700.50
Total Liabilities	3,300,320.15	3,629,403.83
DISTRICT'S EQUITY		
Retained Earnings (Deficit)	14,016,387.87	14,091,210.57
YTD Net Income	(448,747.19)	(239,353.37)
Total District's Equity	13,567,640.68	13,851,857.20
Total Liabilities and District's Equity	\$ 16,867,960.83	\$ 17,481,261.03

Martin County Water District
Statements of Revenues and Expenses
Fiscal Year Jan 01 to Dec 31
For the Month(s) Ending
Actual vs Budget vs Prior Year

October, 2024			YTD				
Actual	Budget	P/Yr		Actual	Budget	P/Yr	Annual Budget
			Operating Revenues				
\$ 170,627	\$ 175,833	\$ 176,047	Water Sales - Residential	\$ 1,779,765	\$ 1,758,330	\$ 1,776,983	\$ 2,110,000
35,001	29,167	36,989	Water Sales - Commercial	351,120	291,670	317,745	350,000
23,036	10,417	5,675	Water Sales - Public Authorities	99,690	104,166	120,707	125,000
18	33	44	Bulk Water Sales	467	334	371	400
-	2,215	2,000	Connection Fees - Tap	14,076	22,150	24,543	26,580
5,946	4,583	6,504	Late Charge Fees	65,461	45,830	59,829	55,000
3,211	1,955	2,073	Reconnect/Meter Sets/Other Fees	27,119	19,555	21,076	23,465
8,654	8,917	8,756	Debt Service Surcharge	86,763	89,170	87,359	107,000
15,532	15,673	15,715	Management Infrastructure Surcharge	155,712	156,735	156,791	188,081
-	-	160	Miscellaneous Income	960	-	1,681	-
262,026	248,793	253,963	Total Operating Revenues	2,581,132	2,487,940	2,567,085	2,985,526
			Operating Expenses				
(87)	-	-	Employee Benefits	(87)	-	-	-
2	2,500	2,301	Water Purchased	46,613	25,000	18,274	30,000
168,507	168,507	168,507	Management & Operations Contract	1,685,070	1,685,070	1,685,070	2,022,084
22,663	27,917	17,113	Utilities	223,985	279,170	186,788	335,000
2,631	2,500	1,381	Insurance	24,414	25,000	18,841	30,000
27,842	9,167	88,560	Repairs & Maintenance	332,306	91,666	309,149	110,000
370	83	190	Outside Services	407	834	586	1,000
2,135	833	250	Legal Expenses	7,473	8,334	6,938	10,000
-	-	-	Accounting/Audit	8,125	8,000	7,985	8,000
3,750	3,750	4,167	Bad Debts	37,500	37,500	41,667	45,000
-	-	-	Bond Trustee Fees	900	500	900	500
432	385	423	Dues	4,284	3,850	3,888	4,620
236	344	615	Office Expense	5,145	3,442	3,642	4,130
-	833	-	Rent Expense	25	8,330	25	10,000
-	-	-	Regulatory Assess Fees	4,703	-	3,863	-
99	125	173	KY 811 Services	1,728	1,250	1,784	1,500
15	55	76	Miscellaneous Expenses	(574)	550	504	660
481	5	9	Customer Deposit Interest Expense	7,083	54	76	65
229,075	217,004	283,765	Total Operating Expenses	2,389,100	2,178,550	2,289,977	2,612,559
32,951	31,789	(29,802)	Net Income B/4 Other Income (Expenses)	192,032	309,390	277,109	372,967
			Other Income (Expenses)				
-	-	-	Gain (Loss) on Sale of Assets	-	-	1,645	-
-	-	216,774	Capital Contributions	43,355	-	220,902	-
266	-	460	Interest Income	2,977	-	4,006	-
(4,933)	(8,333)	(8,877)	Interest Expense	(53,676)	(83,330)	(89,044)	(100,000)
(726)	62	(397)	Amortization	(6,935)	629	(3,971)	753
(61,000)	(65,000)	(65,000)	Depreciation	(622,000)	(650,000)	(650,000)	(780,000)
-	-	-	Loan Issue Costs	(4,500)	-	-	-
(66,394)	(73,271)	142,960	Total Other Income (Expenses)	(640,780)	(732,701)	(516,462)	(879,247)
\$ (33,443)	\$ (41,482)	\$ 113,158	Net Income (Loss)	\$ (448,747)	\$ (423,311)	\$ (239,353)	\$ (506,280)

**Martin County Water District
Inez, KY**

Treasury Report

Billing Charges For the Month of:		Oct-24	
Water Revenue	\$	170,627.20	
Water Revenue-Commercial		35,001.40	
Water Revenue-Commercial Exempt		4,539.04	
Late Charges		5,946.24	
Sales Taxes		2,476.19	
Debt Service Surcharge		8,654.47	
School Tax		6,464.77	
Management Infrastructure Surcharge		15,532.06	
Returned Check		886.36	
Interest on Customer Deposits		(480.72)	
Connection Fees		-	
Other Miscellaneous Fees		2,146.30	
Deposits Applied		(1,665.00)	
Refund Checks Paid		218.83	
Total Billing Charges	\$	250,347.14	
Gallons Billed			12,297,090
Customers Billed			3,340
<hr/>			
Accounts Receivable		Oct-24	
Beginning Balance		387,917.03	
Billing Charges		250,347.14	
Bad Debt (Write Offs) Recoveries		-	
Accounts Receivable Collections		(270,257.14)	
End of Month Accounts Receivable		368,007.03	
<hr/>			
Operations Account			
Beginning Balance	\$	64,738.17	
Deposits			
Accounts Receivable Collections		270,257.14	
Accounts Receivable Collections - Pmts in EFT Revenue Account		(130,643.57)	
Sewer Billing Collections in Water Bank Acct - Due to MCS		84,589.13	
Customer Deposits Received		1,800.00	
Miscellaneous Income (Tokens, Hydrant Meter, KPPA refund)		1,524.59	
Prestonsburg Utilities		18,496.75	
Transfers from Other District Accts		127,511.45	
Total Deposits		373,535.49	
Disbursements:			
Checks Written		(187,303.60)	
Pmts made to Sanitation for A/R Collections		(103,971.79)	
Transfers to Other District Accts		(43,288.09)	
Auto Drafted Utilities		(21,778.59)	
Sales and School Tax Payments		(8,660.87)	
Returned Checks		(2.34)	
Bank Fees		(15.00)	
End of Month Balance	\$	73,253.38	
<hr/>			
Cash Receipts Collected To Date in:	Nov-24	243,407.60	
Bills Submitted for Payment in:	Nov-24	(264,784.59)	
Available Balance	4A-4	51,876.39	

**Martin County Water District
Inez, KY
Treasury Report
Summary of Cash & Investments
October 31, 2024**

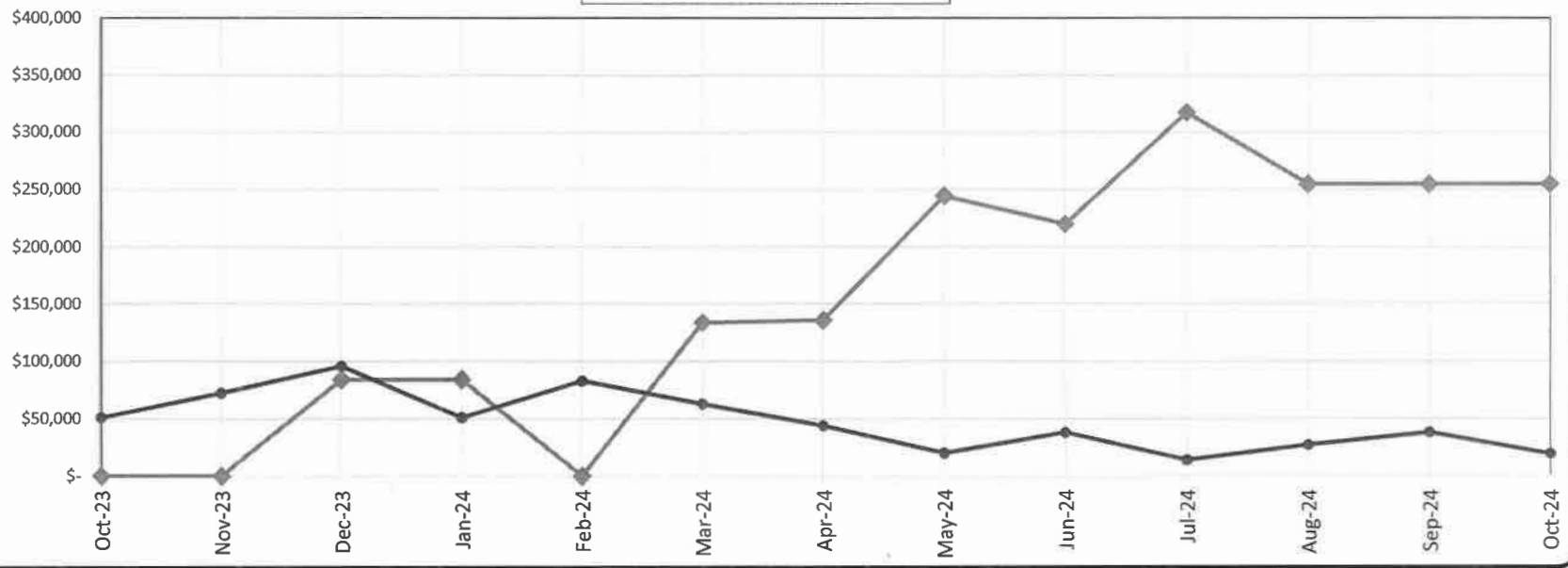
Bank Account	Beginning Balance	Deposits	Interest Earned, Net of Fees	Payments	Ending Balance
Operations Account	\$ 64,738.17	373,535.49	-	(365,020.28)	\$ 73,253.38
Revenue EFT Account	2,202.25	130,643.57	-	(120,898.36)	11,947.46
Debt Service Surcharge	1,000.07	8,715.84	0.08	(8,715.91)	1,000.08
Management Infrastructure Surcharge	1,000.10	15,642.25	0.13	(15,642.35)	1,000.13
Security Deposits	107,906.45	1,530.00	4.44	(7,730.28)	101,710.61
Cash on Hand	900.00	-	-	-	900.00
Total Unrestricted Cash	<u>177,747.04</u>	<u>530,067.15</u>	<u>4.65</u>	<u>(518,007.18)</u>	<u>189,811.66</u>
Restricted Cash					
ARC Grant	63.07		-	-	63.07
Rockhouse Project	12,098.06	10,800.00	-	(10,228.23)	12,669.83
Regions Bank-KY 2015E Martin County	77,107.75	10,228.23	284.68	-	87,620.66
KIA Bond & Interest	5,759.38	5,600.00	0.05	(5,632.44)	5,726.99
KY Assoc of Counties Leasing Trust	6,678.75	1,000.00	0.12	(97.96)	7,580.91
Depreciation Reserve	1,022.66	-	0.02	-	1,022.68
Rt 40E Water Improvement Project	100.00	-	-	-	100.00
Cost of Issuance Fund 2022	2,098.00		-	-	2,098.00
Total Restricted Cash	<u>104,927.67</u>	<u>27,628.23</u>	<u>284.87</u>	<u>(15,958.63)</u>	<u>116,882.14</u>
Total Cash & Investments	<u>\$ 282,674.71</u>	<u>557,695.38</u>	<u>289.52</u>	<u>(533,965.81)</u>	<u>\$ 306,693.80</u>

**Martin County Water District
Billing Summary**

Date	Billed		Gallons (000'S)	Billed # of Customers	Payments Received
	Revenue	YTD Total			
Oct-24	215,603	2,273,038	12,297	3,340	270,257
Sep-24	232,908	2,057,435	14,246	3,340	257,015
Aug-24	226,147	1,824,527	13,402	3,350	291,261
Jul-24	252,695	1,598,380	15,960	3,354	265,909
Jun-24	242,641	1,345,685	15,002	3,360	257,337
May-24	216,837	1,103,043	12,467	3,358	237,602
Apr-24	213,974	886,207	12,086	3,364	251,226
Mar-24	212,057	672,233	11,811	3,363	272,363
Feb-24	248,544	460,176	14,796	3,368	242,010
Jan-24	211,632	211,632	11,527	3,363	256,105
Dec-23	220,140	2,660,623	12,672	3,382	243,624
Nov-23	217,116	2,440,483	12,236	3,387	250,247
Oct-23	222,782	2,223,367	12,887	3,377	272,249

Martin County Water District

◆ Due to AWR ◆ Due to MCS



MARTIN COUNTY UTILITY BOARD

387 East Main Street Suite 140

INEZ, KY 41224

606-298-3885 OFFICE

606-298-4913 Fax

Memorandum

Discussion/Action

To: Martin County Water District Board of Directors

From: Staff

Date: November 19, 2024

Re: Bad Debt Write-Offs 2024

A total of \$2,007.72 of Bad Debt is to be adjusted onto the customers who have an active account.

The total Water Revenue to be sent to collections for bad debt for 2024 is \$37,521.67 (a total of 112 accounts).

21 of these accounts (a total of \$6,504.92) are customers who are deceased.

Martin County Water District, Inez KY
List of Bills for Consideration
26-Nov-24

<u>Vendor</u>	<u>Description</u>	<u>Amount</u>
Operations Account		
1 AEP	Electric (26 bills) Estimated	\$ 20,302.53
2 Big Sandy RECC	Electric (9 bills) Estimated	\$ 2,172.10
3 Paintsville Utilities	Electric for token (9/04/24 to 10/02/24) Estimated	\$ 46.34
4 Martin County Public Library	Rent (Dec)	\$ 868.08
5 Martin County Water District	Sanitation (Oct)	\$ 141.67
6 Sales tax	10/2024 (estimated)	\$ 2,411.32
7 School tax	10/2024 (estimated)	\$ 6,429.55
8 Alliance Water Resources	11/1/24-11/15/24 O&M services	\$ 84,253.50
9 Alliance Water Resources	11/16/24-11/31/24 O&M services	\$ 84,253.50
10 Brian Cumbo	Legal Fees	\$ 2,135.00
11 Management Inf. Surcharge	Estimated (actual collected will be paid)	\$ 15,642.25
12 Debt Service Surcharge	Estimated (actual collected will be paid)	\$ 8,715.84
13 Kentucky Underground	811 Services (Oct)	\$ 99.00
14 Estech Systems	Phone System (Oct)	\$ 224.36
15 NexBillPay	Fees (Oct)	\$ 81.00
16 Diesel Fuel Receipts	Diesel Fuel (Oct)	\$ 10,145.27
17 H&E Equipment Services	Pump Rental	\$ 739.50
18 Rain for Rent	Pump Rental (Oct)	\$ 12,712.82
19 Premier Tank Solutions	Premier Tank	\$ 2,550.00
20 Rain for Rent	Pump Serviced (Oct)	\$ 1,167.74
21 CACI Collection Services	Collection Services	\$ 354.94
22 Jones Oil Company	Diesel Fuel	\$ 10,656.42
23 Jones Oil Company	Diesel Fuel	\$ 7,072.94
24 Jones Oil Company	Diesel Fuel	\$ 7,121.73
25 Jones Oil Company	Diesel Fuel	\$ 7,432.45
26 Rain for Rent	Pump Rental	\$ 765.00
27 Deluxe	District Re-Ordered Checks	\$ 646.11
28 Mountain Water District	Purchased Water	\$ 1.72
TOTAL		\$ 289,142.68

Operations Account - Debt Service Funding		Transfer Amounts
1 KIA	Monthly funding for KIA Bond/Loan	\$ 5,700.00

2	KACo	Monthly funding for lease payment	\$	1,000.00
3	KRW/Regions Bank	Monthly funding for loan	\$	10,800.00
	TOTAL		\$	17,500.00

TOTAL OPERATIONS **\$ 306,642.68**

Security Deposit Account

Customer

1	Aleishia Hensley	Deposit refund due to customer	\$	55.34
2	Justin Jackson	Deposit refund due to customer	\$	0.46
3	Thelma Philyaw	Deposit refund due to customer	\$	74.67
4	Deborah Waller	Deposit refund due to customer	\$	235.53
5	Jobie Stacy	Deposit refund due to customer	\$	61.10
	TOTAL		\$	427.10



Professional Water and Wastewater Operations

Martin County Water District

OUR MISSION

We partner with communities to deliver the finest water and wastewater services available at a competitive price. We are committed to keeping water safe and clean while serving people and taking care of communities with improved technical operations, careful management, and financial oversight, and ensured regulatory compliance.

Alliance Water Resources, Inc.

206 S. Keene
St. Columbia,
MO 65201

(573) 874-8080

November 2024

Administrative

Alliance Director of Safety Mark Mahler on site to perform training – staff received Flagger and Trench and Shoring competent person training

Water Treatment

WTP to Distribution

August Average- 1.60 MG Daily

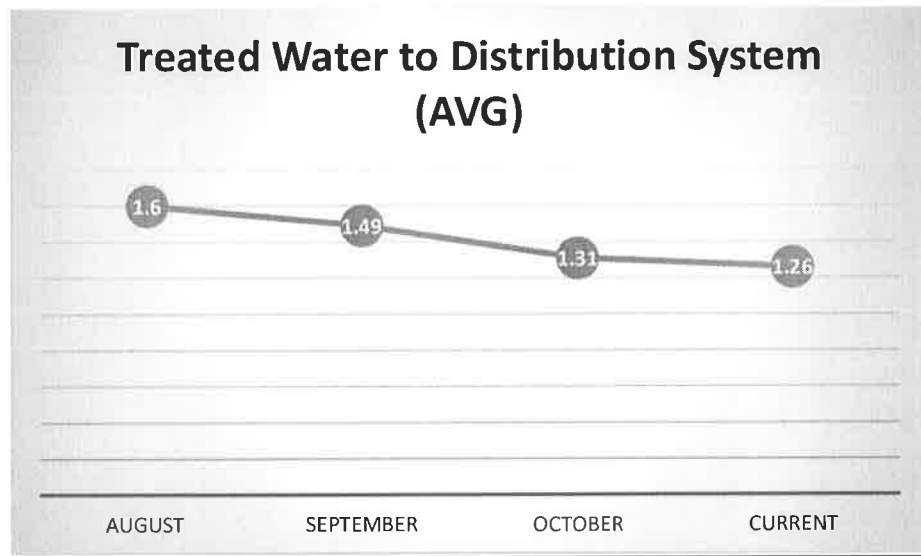
September Average- 1.49 MG Daily

October Average – 1.31 MG Daily

WTP is currently averaging 1.26 MG Daily

New diesel pump from united rental and bulk tank installed at raw water intake – reservoir was getting close to top of second screen before new pump installed now back on third screen- estimated to full by end of November

Pumped 207.5 hours to the Prison in the month of October





Distribution

Fixed 3 long term leaks- Estimated water loss 3 MG Monthly

Water main replacement on Collins Creek 100% completed,
New meter boxes with meters installed – service lines installed

Leak detection program identified 32 new leaks

Fixed a total of 38 water leaks in the distribution system for the month of October

Took apart control valve at 40E pump station & installed new seals (valve not holding
and water backflowing thru station) – ordering ASCO valve to correct issue

Removed 2nd pump at 292 pump station to do cost analysis on rebuild or replace

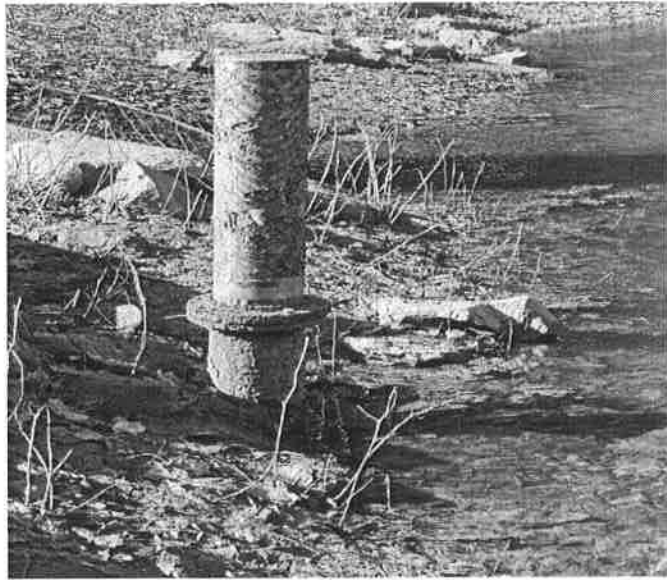
**40W pump #2 is going out and is not pumping like it should. Needs a stack kit or
replacement – this will be expensive but necessary cost**

Started winterizing all Pump Stations

WATER RESOURCES®
Alliance
Professional Water and Wastewater Operations
Martin County Water District



Reservoir Level 3rd Screen



Reservoir Level before UR pump on site



Drone View Water Plant Clarifiers



25GPM Leak customer catching and pumping to his house

Regulatory

The Martin County Water Treatment Plant performs operational water quality monitoring to ensure compliance with all state and federal safe drinking water act requirements, including chlorine, fluoride, iron, pH, manganese, solids, turbidity, and bacteriological analysis

Water Plant Operation
October 2024

Water Pumped	
Total Water Production (gallons)	40,669,000
Total Water Metered/Billed (gallons)	12,297,000
Water Plant Usage (Gallons)	154,500
Backwash Water Usage (Gallons)	361,000
Average Daily Flow Treated (Gallons)	1,373,839
Maximum Daily Flow Treated (Gallons)	1,482,000
Fluoride Used (lbs.)	391.2
Chlorine Used (lbs.)	1,599
Lab Tests	3,815

Water Quality Analysis
October 2024

Test	Routine	Special	Repeat
Bacteriological	10 (Pass)	11 (Pass)	1
		Reported	Minimum Limit
Fluoride Plant Sample	31	0.89 mg/l Average	0.6 mg/l
Chlorine Distribution Sample	Total- 35 Free- 35	Low Readings Total - 0.60mg/L Free - 0.41mg/L	0.2 mg/l



Customer Service Request and Work Orders

Meter Reads	3287
Meter Sets	29
Turn offs-Close account	26
Taps	3
Meter Changes	20
Disconnects for Non-payment	31
Boil Notices	3
Line Locates	66
Water Leaks/Breaks	14
Other/Investigates	162



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Martin County Water District

Water Main Breaks & Service Lines

Date	Location of Leak or Line Break	Calculated Loss for Month
10/1/24	229 Coldwater Rd	1,181,745
10/1/24	97 Randy Fannin Pl	31,075
10/3/24	505 Camp Br	295,436
10/3/24	45 James In	1,181,745
10/3/24	131 Carter Br	1,181,745
10/4/24	255 Ratliff Town Rd	39,391
10/4/24	1275 E Main St	128,676
10/4/24	1136 Rockcastle Rd	39,391
10/4/24	4098 Rockcastle Rd	39,391
10/10/24	5140 Buffalo Horn Rd	78,783
10/10/24	231 Mudford Rd	29,544
10/10/24	Turkey	78,783
10/10/24	131 Horn Est	39,391
10/10/24	1257 saltwell Rd	39,391
10/10/24	5756 Hode Rd	49,239
10/11/24	4911 N Milo Rd	78,783
10/11/24	200 New Route 3	19,696
10/11/24	100 Kirk Plz	1,181,745
10/11/24	44 Cline Complex Rd	1,181,745
10/15/24	85 Newberry Ln	39,391
10/16/24	40 Horn Br	78,783
10/16/24	173 Tomahawk Est	42,892
10/16/24	4252 Blacklog Rd	42,892
10/17/24	Old Route 3	1,181,745
10/17/24	231 Otto Dr	590,872
10/18/24	4911 N Milo Rd	137,870
10/21/24	73 Music Ln	39,391
10/21/24	3767 N Milo Rd	78,783
10/21/24	5924 Rockcastle Rd	21,446
10/22/24	197 Otto Dr	39,391
10/23/24	7235 Rockcastle Rd	21,446
10/24/24	183 Little Blacklog Rd	39,391
10/25/24	441 Little Blacklog Rd	19,696
10/25/24	1971 Rockcastle Rd	39,391
10/27/24	32 Twin Br	118,174
10/28/24	4470 Blacklog Rd	157,566
10/29/24	107 Charlie Cline Rd	315,132
10/30/24	32 Twin Br	118,174

Total Gallons Lost Due to Line Breaks : 10,018,124



Professional Water and Wastewater Operations

Martin County Water District

Repair Expenses Ending September 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Bldg. & Grounds Maintenance	\$640	\$5,000	13%
Vehicle Maintenance	\$32,610	\$20,000	163%
Water Plant Maintenance	\$6,542	\$7,000	93%
Distribution System Maintenance	\$134,918	\$50,000	270%
Water Meter Maintenance	\$5,412	\$10,000	54%
Street Maintenance	\$0	\$8,000	0%
Totals	\$180,122	\$100,000	180%

Chemical Expenses Ending September 2024

Expended	Actual YTD	Annual Budget	% Budget / Line Item
Sodium Bisulfite	\$8,644	\$0.00	
Sodium Hydroxide	\$7,643	\$11,000	69%
Caustic Detergent	\$226	\$0.00	
Polymer	\$2,622	\$15,000	17%
Alum (DELPAC)	\$34,286	\$30,000	114%
Chlorine	\$37,979	\$20,000	190%
Permanganate	\$14,581	\$19,000	77%
Fluoride	\$3,821	\$7,000	54%
Chemicals Other - Water	\$10,249	\$8,000	128%
Totals	\$120,050	\$110,000	109%

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Professional Water and Wastewater Operations
Martin County Water District

Notes:

- 1) Building & Grounds Maintenance
 - a. Evans Hardware \$23.31
 - b. R&J Building Supply \$25.41

- 2) Vehicle Maintenance
 - a. Advance Auto \$1,169.84
 - b. Oil Changers \$217.85
 - c. Capital Tire \$1,373.50
 - d. Samuel Delong \$959.12
 - e. Evans Hardware \$27.90
 - f. Rural King \$142.92
 - g. Autozone \$186.55
 - h. Suds Carwash \$34.99

- 3) Water Plant Maintenance
 - a. Advanced Auto \$84.78
 - b. Lowes \$77.85
 - c. USA Bluebook \$122.06
 - d. Evans Hardware \$33.33
 - e. Trinity Hose \$242.90

- 4) Well Maintenance
 - a. \$0.00

- 5) Distribution System Maintenance
 - a. Consolidated Pipe & Supply \$1,934.53
 - b. R&J Building Supply \$211.87
 - c. Core & Main \$6,862.92
 - d. Evans Hardware \$105.86

- 6) Meter Maintenance
 - a. Consolidated Pipe & Supply \$66.55

- 7) Sodium Bisulfite
 - a. CITCO Water \$1,586.63

- 8) Sodium Hydroxide
 - a. \$0.00

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Professional Water and Wastewater Operations
Martin County Water District

- 9) Caustic Detergent
 - a. \$0.00

- 10) Polymer
 - a. \$0.00

- 11) Alum (DELPAC)
 - a. CITCO Water \$2,189.75

- 12) Chlorine
 - a. CITCO Water \$4,445.86

- 13) Sodium Permanganate
 - a. CITCO Water \$2,083.03

- 14) Fluoride
 - a. \$0.00

- 15) Chemicals Other – Water
 - a. CITCO Water \$1,779.32

KENTUCKY DIVISION OF WATER

Revised 1/24/21



DRINKING WATER BRANCH
MONTHLY OPERATION REPORT (MOR)--ALL WATER SYSTEMS

MONTH & YEAR (mm/yyyy)

Indicate one with "X"

- SURFACE WATER
- GROUNDWATER
- PURCHASE/DISTRIBUTE ONLY

PWS ID :	<u>KY0800273</u>	PLANT ID: <u>A</u>	PLANT NAME:	<u>Martin County Water Plant</u>
PWS NAME:	<u>Martin Co. Water District</u>	PLANT CLASS: <u>3</u>	DIST. CLASS: <u>2</u>	
AGENCY INTEREST (AI):	<u>2987</u>	DATE MAILED:		
SOURCE NAME:	<u>Crum Reservoir</u>	COUNTY:	<u>Martin</u>	
	<u>Tug Fork</u>			
	OPERATOR(S) RESPONSIBLE / IN-CHARGE	CLASS	CERTIFICATION NUMBER	
WTP SHIFT 1:	<u>Michael Sartin</u>	<u>IV-A</u>	<u>21944</u>	
WTP SHIFT 2:	<u>Kody T Rainwater</u>	<u>IV-A</u>	<u>79751</u>	
WTP SHIFT 3:	<u>Garrett McKinney / Joshua W Vaughan</u>	<u>II-A / II-A</u>	<u>79124 / 84357</u>	
DISTRIBUTION:	<u>Colby May / Justin Staton</u>	<u>III / III</u>	<u>81587 / 78548</u>	

**THIS REPORT MUST BE RECEIVED BY THE DIVISION OF WATER AND APPLICABLE FIELD OFFICE
NO LATER THAN 10 DAYS AFTER THE END OF THE MONTH.**

TREATMENT PLANTS COMPLETE:

1. DESIGN CAPACITY (gpm): 1667
2. TYPE OF FILTRATION USED: Dual media
3. DESIGN FILTRATION RATE (gpm/sq. ft.): 2.66
4. PERCENT BACKWASH WATER USED: 0.8%
5. DATE FLOCCULATION BASIN(S) LAST CLEANED: #1 1/13/24 #2 - 3/18/10 #3 - 9/11/24
6. DATE SETTLING BASIN(S) LAST CLEANED: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. See KRS 224.99-010 and 401 KAR 8:020. (Penalties under this statute and regulation may include fines up to \$25,000 per violation or by imprisonment for not more than one year, or both).

Recoverable Signature

X Michael Sartin

Date _____

Signed by: Drinking Water Supv Compliance
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 10/2024

PAGE 1 OF 11

APPLICABLE TO ALL PLANTS

DAY	RAW WATER TREATED GALLONS	HOURS PLANT OPERATED	COAGULANT Del Pac		COAGULANT		pH ADJUSTMENT		DISINFECTANT		DISINFECTANT	
			LBS	PPM	LBS	PPM	Pre		Pre		Post	
							LBS	PPM	LBS	PPM	LBS	PPM
1	1,342,000	24.0	184.32	16.5	4.20	0.4			27.39	2.4	27.96	2.5
2	1,344,000	24.0	194.56	17.4	4.20	0.4			28.46	2.5	27.12	2.4
3	1,422,000	24.0	194.56	16.4	4.20	0.4			28.82	2.4	27.24	2.3
4	1,473,000	24.0	256.00	20.8	4.20	0.3			27.40	2.2	27.96	2.3
5	1,482,000	24.0	194.56	15.7	4.20	0.3			26.41	2.1	28.92	2.3
6	1,365,000	24.0	256.00	22.5	4.20	0.4			23.33	2.0	30.02	2.6
7	1,285,000	24.0	256.00	23.9	4.20	0.4			22.09	2.1	25.93	2.4
8	1,338,000	24.0	256.00	22.9	4.20	0.4			23.29	2.1	27.73	2.5
9	1,385,000	24.0	256.00	22.2	4.20	0.4			24.01	2.1	28.82	2.5
10	1,357,000	24.0	256.00	22.6	4.20	0.4			24.50	2.2	28.82	2.5
11	1,387,000	24.0	317.44	27.4	4.20	0.4			24.50	2.1	28.82	2.5
12	1,377,000	24.0	378.88	33.0	4.20	0.4			24.50	2.1	27.96	2.4
13	1,368,000	24.0	378.88	33.2	4.20	0.4			24.50	2.1	25.93	2.3
14	1,354,000	24.0	378.88	33.6	4.20	0.4			24.50	2.2	25.93	2.3
15	1,335,000	24.0	378.88	34.0	4.20	0.4			24.50	2.2	25.93	2.3
16	1,343,000	24.0	471.04	42.1	4.20	0.4			24.50	2.2	25.11	2.2
17	1,389,000	24.0	378.88	32.7	4.20	0.4			24.50	2.1	24.50	2.1
18	1,443,000	24.0	317.44	26.4	4.20	0.3			24.50	2.0	28.44	2.4
19	1,403,000	24.0	389.12	33.3	4.20	0.4			24.50	2.1	28.82	2.5
20	1,310,000	24.0	450.56	41.2	4.20	0.4			24.50	2.2	26.78	2.5
21	1,255,000	24.0	450.56	43.0	4.20	0.4			24.50	2.3	25.93	2.5
22	1,270,000	24.0	450.56	42.5	4.20	0.4			24.50	2.3	25.03	2.4
23	1,349,000	24.0	450.56	40.0	4.20	0.4			24.50	2.2	24.50	2.2
24	1,412,000	24.0	256.00	21.7	4.20	0.4			24.50	2.1	24.50	2.1
25	1,423,000	24.0	317.44	26.7	4.20	0.4			24.50	2.1	24.50	2.1
26	1,404,000	24.0	378.88	32.4	4.20	0.4			24.50	2.1	25.93	2.2
27	1,405,000	24.0	450.56	38.5	4.20	0.4			24.50	2.1	25.93	2.2
28	1,393,000	24.0	317.44	27.3	4.20	0.4			24.50	2.1	25.93	2.2
29	1,395,000	24.0	317.44	27.3	4.20	0.4			24.50	2.1	25.93	2.2
30	1,398,000	24.0	327.68	28.1	4.20	0.4			24.50	2.1	25.93	2.2
31	1,383,000	24.0	378.88	32.8	4.20	0.4			24.50	2.1	25.93	2.2
TOTAL	42,589,000	744.0	10240.0		130.2				770.2		828.8	
AVERAGE	1,373,839	24.0	330.3	29.0	4.2	0.4			24.8	2.2	26.7	2.3
MAX	1,482,000											

NUMBER DAYS IN OPERATION

31

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 10/2024

APPLICABLE TO ALL PLANTS

PAGE 2 OF 11

DAY	CHEMICALS ADDED													
	DISINFECTANT		FLUORIDE		CARBON		pH ADJUSTMENT		KMnO ₄		CORROSION INHIBITOR		Mainstream Copper Sulfate	
	LBS	PPM	LBS	PPM	LBS	PPM	Post		LBS	PPM	LBS	PPM	LBS	PPM
1	55.35	4.9	12.62	1.1	125.50	11.2			9.37	0.8			12.67	1.1
2	55.58	5.0	12.62	1.1	125.50	11.2			9.37	0.8			12.67	1.1
3	56.06	4.7	12.62	1.1	125.50	10.6			9.37	0.8			12.67	1.1
4	55.36	4.5	12.62	1.0	125.50	10.2			9.37	0.8			12.67	1.0
5	55.33	4.5	12.62	1.0	125.50	10.2			9.37	0.8			12.67	1.0
6	53.35	4.7	12.62	1.1	125.50	11.0			9.37	0.8			12.67	1.1
7	48.02	4.5	12.62	1.2	125.50	11.7			9.37	0.9			12.67	1.2
8	51.02	4.6	12.62	1.1	125.50	11.2			9.37	0.8			12.67	1.1
9	52.83	4.6	12.62	1.1	125.50	10.9			9.37	0.8			12.67	1.1
10	53.32	4.7	12.62	1.1	125.50	11.1			9.37	0.8			12.67	1.1
11	53.32	4.6	12.62	1.1	125.50	10.8			9.37	0.8			12.67	1.1
12	52.46	4.6	12.62	1.1	125.50	10.9			9.37	0.8			12.67	1.1
13	50.43	4.4	12.62	1.1	125.50	11.0			9.37	0.8			12.67	1.1
14	50.43	4.5	12.62	1.1	125.50	11.1			9.37	0.8			12.67	1.1
15	50.43	4.5	12.62	1.1	125.50	11.3			9.37	0.8			12.67	1.1
16	49.61	4.4	12.62	1.1	125.50	11.2			9.37	0.8			12.67	1.1
17	49.00	4.2	12.62	1.1	125.50	10.8			9.37	0.8			12.67	1.1
18	52.94	4.4	12.62	1.0	125.50	10.4			9.37	0.8			12.67	1.1
19	53.32	4.6	12.62	1.1	125.50	10.7			9.37	0.8			12.67	1.1
20	51.28	4.7	12.62	1.2	125.50	11.5			9.37	0.9			12.67	1.2
21	50.43	4.8	12.62	1.2	125.50	12.0			9.37	0.9			10.03	1.0
22	49.53	4.7	12.62	1.2	125.50	11.8			9.37	0.9			12.67	1.2
23	49.00	4.4	12.62	1.1	125.50	11.2			9.37	0.8			12.67	1.1
24	49.00	4.2	12.62	1.1	125.50	10.7			9.37	0.8			12.67	1.1
25	49.00	4.1	12.62	1.1	125.50	10.6			9.37	0.8			12.67	1.1
26	50.43	4.3	12.62	1.1	125.50	10.7			9.37	0.8			12.67	1.1
27	50.43	4.3	12.62	1.1	125.50	10.7			9.37	0.8			12.67	1.1
28	50.43	4.3	12.62	1.1	125.50	10.8			9.37	0.8			12.67	1.1
29	50.43	4.3	12.62	1.1	125.50	10.8			9.37	0.8			12.67	1.1
30	50.43	4.3	12.62	1.1	125.50	10.8			9.37	0.8			12.67	1.1
31	50.43	4.4	12.62	1.1	125.50	10.9			9.37	0.8			12.67	1.1
TOTAL	1599.0		391.2		3890.5				290.5				390.1	
AVERAGE	51.6	4.5	12.6	1.1	125.5	11.0			9.4	0.8			12.6	1.1

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID : KY0800273
 PLANT ID: A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 10/2024

PAGE 3 OF 11

DAY	ANALYTICAL RESULTS (mg/L OR PPM UNLESS OTHERWISE SPECIFIED)												TURBIDITY (NTU)		
	pH			TOTAL ALKALINITY		TOTAL HARDNESS		CHLORINE RESIDUAL				RAW	SETTLED WATER	PLANT TAP	
	RAW	TOP OF FILTER	TAP	RAW	TAP	RAW	TAP	TOP OF FILTER		PLANT TAP					
								TOTAL	FREE	TOTAL	FREE				
1	7.71	7.79	7.74	168	170	227	233	0.77	0.69	2.07	1.99	18.00	0.77	0.13	
2	7.67	7.85	7.74	148	154	207	212	0.74	0.66	1.89	1.86	15.60	0.77	0.14	
3	7.83	7.91	7.80	146	150	210	214	0.76	0.64	1.93	1.84	10.80	0.71	0.14	
4	7.84	7.92	7.82	146	150	209	209	0.74	0.68	1.99	1.97	6.34	0.67	0.15	
5	7.86	7.94	7.79	151	148	214	222	0.70	0.57	2.08	2.01	5.76	0.59	0.16	
6	7.80	7.89	7.76	143	146	206	212	0.60	0.51	2.14	2.06	5.37	0.65	0.14	
7	7.78	7.86	7.74	140	142	202	209	0.74	0.65	2.27	2.23	4.76	0.70	0.13	
8	7.69	7.84	7.72	139	142	201	204	0.75	0.67	2.22	2.17	3.63	0.76	0.13	
9	7.78	7.82	7.71	137	140	197	202	0.66	0.57	2.08	2.00	3.04	0.71	0.12	
10	7.75	7.84	7.74	141	145	202	207	0.80	0.68	2.18	2.10	2.78	0.62	0.12	
11	7.86	7.94	7.84	147	150	209	207	0.64	0.54	2.19	2.15	2.86	0.70	0.14	
12	7.91	7.97	7.84	145	146	204	206	0.69	0.59	2.15	2.12	2.65	0.56	0.15	
13	7.91	7.90	7.78	147	150	206	202	0.68	0.55	2.04	1.98	2.79	0.53	0.13	
14	7.85	7.89	7.74	146	151	208	203	0.76	0.68	1.98	1.92	2.55	0.53	0.13	
15	7.91	7.88	7.76	148	154	208	205	0.75	0.67	1.97	1.92	2.03	0.66	0.13	
16	7.89	7.87	7.75	151	155	206	206	0.91	0.83	2.14	2.02	2.16	0.52	0.14	
17	7.91	7.97	7.84	149	147	207	205	0.66	0.52	1.97	1.89	2.14	0.47	0.14	
18	7.99	7.96	7.87	145	148	205	206	0.71	0.60	2.01	1.92	2.38	0.43	0.15	
19	8.00	7.99	7.87	138	145	202	206	0.58	0.51	2.02	1.98	2.31	0.41	0.14	
20	8.02	7.95	7.83	144	150	205	212	0.62	0.52	2.07	2.03	2.26	0.44	0.13	
21	8.00	7.90	7.79	147	152	207	213	0.70	0.62	2.07	2.02	2.02	0.49	0.12	
22	7.96	7.89	7.78	147	143	208	213	0.77	0.70	2.18	2.13	2.08	0.40	0.12	
23	7.97	7.90	7.79	146	151	209	213	0.67	0.60	2.04	1.92	1.78	0.47	0.12	
24	7.96	7.93	7.83	150	153	208	207	0.68	0.55	2.03	1.94	1.89	0.53	0.12	
25	8.02	8.02	7.90	142	145	206	212	0.68	0.60	1.91	1.88	2.24	0.44	0.13	
26	8.05	8.05	7.91	146	147	207	203	0.76	0.68	2.03	2.00	2.12	0.36	0.14	
27	8.09	7.88	7.76	142	152	206	208	0.74	0.63	1.99	1.94	1.80	0.39	0.14	
28	7.89	7.86	7.75	144	153	207	211	0.79	0.75	2.04	2.01	1.76	0.39	0.14	
29	7.92	7.90	7.77	143	151	208	213	0.72	0.68	1.97	1.95	1.90	0.42	0.13	
30	7.96	7.92	7.82	145	154	206	210	0.83	0.73	2.12	2.02	1.63	0.60	0.12	
31	7.94	7.93	7.80	147	151	207	204	0.76	0.62	2.12	2.05	2.01	0.44	0.12	
AVERAGE	7.89	7.91	7.79	145.74	149.52	206.90	209.32	0.72	0.63	2.06	2.00	3.92	0.55	0.13	

Surface Water Plants Only

KENTUCKY DIVISION OF WATER
DRINKING WATER BRANCH
WATER TREATMENT PLANT MONTHLY OPERATION REPORT

PWS ID : KY0800273
PLANT ID: A
AGENCY INTEREST: 2987
REPORT MONTH/YEAR: 10/2024

AREA-WIDE OPTIMIZATION PROGRAM TURBIDITY DATA
COPY PAGE AS NEEDED

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ANALYTICAL RESULTS (NTU)															
DAY	RAW DAILY MAXIMUM	SEDIMENTATION BASIN EFFLUENT DAILY MAXIMUM						INDIVIDUAL FILTER EFFLUENT DAILY MAXIMUM							CFE DAILY MAXIMUM
		#1	#2	#3	#4	#5	#6	#1	#2	#3	#4	#5	#6	#7	
1	18.00	0.48	0.63	1.59				0.15	0.09	0.12	0.11	0.12	0.20		0.09
2	15.60	0.53	0.60	1.73				0.15	0.09	0.12	0.11	0.12	0.20		0.09
3	10.80	0.69	0.61	1.33				0.15	0.14	0.11	0.10	0.13	0.21		0.09
4	6.34	0.58	1.27	1.28				0.14	0.15	0.17	0.10	0.12	0.22		0.10
5	5.76	0.74	0.65	1.24				0.14	0.15	0.13	0.12	0.12	0.20		0.10
6	5.37	0.80	0.59	1.23				0.12	0.15	0.12	0.11	0.14	0.20		0.09
7	4.76	0.52	0.69	1.67				0.14	0.14	0.11	0.10	0.11	0.25		0.09
8	3.63	0.57	0.67	1.56				0.15	0.13	0.11	0.10	0.19	0.24		0.09
9	3.04	0.62	0.81	1.53				0.16	0.15	0.11	0.09	0.13	0.20		0.09
10	2.78	0.44	0.54	1.42				0.14	0.13	0.11	0.10	0.11	0.22		0.08
11	2.86	0.52	0.58	1.46				0.16	0.14	0.11	0.09	0.11	0.31		0.10
12	2.65	0.63	0.56	1.12				0.16	0.14	0.18	0.10	0.10	0.18		0.09
13	2.79	0.52	0.63	0.95				0.16	0.14	0.13	0.10	0.10	0.18		0.09
14	2.55	0.61	0.55	0.86				0.15	0.13	0.13	0.10	0.10	0.18		0.09
15	2.03	1.63	0.64	0.75				0.15	0.14	0.15	0.11	0.10	0.17		0.10
16	2.16	0.85	0.71	0.99				0.16	0.12	0.13	0.11	0.19	0.11		0.10
17	2.14	0.55	0.49	0.71				0.18	0.14	0.13	0.15	0.11	0.10		0.09
18	2.38	0.58	0.59	0.65				0.20	0.12	0.12	0.12	0.10	0.09		0.09
19	2.31	0.56	0.56	0.51				0.18	0.15	0.12	0.18	0.10	0.09		0.09
20	2.26	0.89	0.58	0.62				0.17	0.16	0.12	0.11	0.09	0.06		0.09
21	2.02	1.23	0.66	0.48				0.15	0.14	0.12	0.11	0.09	0.06		0.08
22	2.08	1.18	0.44	0.41				0.18	0.14	0.11	0.10	0.09	0.06		0.08
23	1.78	1.55	0.85	0.41				0.18	0.12	0.11	0.10	0.09	0.07		0.08
24	1.89	0.47	1.66	0.47				0.17	0.11	0.21	0.10	0.09	0.08		0.08
25	2.24	0.44	0.75	0.64				0.17	0.11	0.13	0.13	0.09	0.11		0.09
26	2.12	0.44	0.55	0.73				0.16	0.11	0.13	0.12	0.21	0.30		0.11
27	1.80	0.52	0.63	0.68				0.17	0.10	0.13	0.12	0.12	0.11		0.09
28	1.76	0.73	0.53	0.60				0.18	0.11	0.13	0.12	0.11	0.08		0.10
29	1.90	0.48	0.81	0.56				0.18	0.14	0.13	0.11	0.11	0.08		0.09
30	1.63	0.82	1.05	0.50				0.15	0.13	0.12	0.11	0.11	0.08		0.09
31	2.01	1.31	1.02	0.44				0.15	0.14	0.12	0.10	0.11	0.08		0.09
AVERAGE	3.92	0.73	0.71	0.94				0.16	0.13	0.13	0.11	0.12	0.15		0.09

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWSID: KY0800273
 PLANT ID: A

APPLICABLE TO ALL PLANTS

REPORT MONTH/YEAR: 10/2024

*Please answer Y/N question below this chart.

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DAY	FLUORIDE		IRON		MANGANESE		PHOSPHATE		Lowest Daily Chlorine Residual Plant Tap On-Line Chlorine Analyzer FREE / TOTAL	RAINFALL INCHES	WATER TEMP. DEGREES F°/C°
	RAW	TAP	RAW	TAP	RAW	TAP	RAW	TAP			
	1	0.14	0.16	0.19	0.00	0.15	0.00				
2	0.23	0.99	0.28	0.00	0.11	0.01			1.25	0.0	22.2
3	0.25	0.93	0.23	0.04	0.09	0.01			1.55	0.0	21.9
4	0.33	0.94	0.17	0.00	0.09	0.01			1.80	0.0	21.8
5	0.31	0.84	0.17	0.00	0.06	0.00			1.69	0.0	22.0
6	0.31	0.94	0.16	0.01	0.07	0.00			1.68	0.0	22.3
7	0.29	0.97	0.13	0.00	0.06	0.00			1.93	0.0	22.0
8	0.39	0.94	0.17	0.00	0.07	0.00			1.90	0.0	22.5
9	0.33	0.89	0.11	0.00	0.06	0.00			1.19	0.0	21.1
10	0.28	0.95	0.13	0.00	0.06	0.00			1.95	0.0	20.7
11	0.19	0.93	0.08	0.00	0.07	0.02			1.90	0.0	20.3
12	0.32	0.89	0.11	0.00	0.07	0.00			1.85	0.0	20.0
13	0.29	0.93	0.11	0.00	0.08	0.01			1.97	0.0	19.9
14	0.29	0.85	0.14	0.00	0.07	0.00			1.89	0.0	20.4
15	0.39	0.87	0.10	0.00	0.07	0.00			1.25	0.0	20.0
16	0.30	0.96	0.13	0.00	0.07	0.00			1.70	0.0	18.8
17	0.24	0.90	0.06	0.00	0.05	0.00			1.80	0.0	18.0
18	0.32	0.90	0.09	0.00	0.07	0.01			1.80	0.0	17.6
19	0.22	0.79	0.09	0.00	0.06	0.00			1.95	0.0	17.4
20	0.30	0.93	0.10	0.00	0.06	0.01			1.95	0.0	17.2
21	0.25	0.83	0.12	0.00	0.06	0.00			1.85	0.0	18.0
22	0.30	0.88	0.09	0.00	0.06	0.00			2.05	0.0	17.8
23	0.30	1.04	0.07	0.00	0.06	0.00			1.90	0.0	18.1
24	0.26	0.88	0.08	0.00	0.05	0.00			1.75	0.0	17.5
25	0.25	0.85	0.09	0.04	0.05	0.01			1.80	0.0	17.4
26	0.33	0.88	0.10	0.04	0.04	0.00			1.85	0.0	17.5
27	0.29	0.91	0.06	0.00	0.06	0.00			2.00	0.0	17.0
28	0.33	0.92	0.09	0.00	0.06	0.00			1.90	0.0	17.7
29	0.31	0.89	0.07	0.00	0.06	0.00			1.73	0.0	17.9
30	0.27	1.06	0.11	0.00	0.07	0.00			1.85	0.0	18.2
31	0.25	0.90	0.08	0.00	0.04	0.00			1.90	0.0	17.3
AVERAGE	0.29	0.89	0.12	0.00	0.07	0.00			Monthly Minimum	Total Rainfall	AVG Temp

	1.19		
Number of readings	31	0.07	19.5
For Free Chlorine, # less than 0.2 mg/L	0		
For Chloramines, # less than 0.5 mg/L			

Disinfectant Chloramines? (Y/N)

N

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
 PLANT ID: A

REPORT MONTH/YEAR: 10/2024

PAGE 6 OF 11

DAY	TOTAL WASH WATER GALLONS	FILTER OPERATION									
		No: 1		No: 2		No: 3		No: 4		No: 5	
		AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS	AREA (square feet) WASHWATER GALLONS	FILT RUN HRS
1	0										
2	26,000	26,000	192.00								
3	24,000			24,000	298.00						
4	18,000					18,000	191.70				
5	25,000							25,000	187.10		
6	0										
7	0										
8	10,000									10,000	215.80
9	0										
10	17,000	17,000	192.00								
11	20,000			20,000	192.00						
12	24,000					24,000	191.70				
13	0										
14	0										
15	0										
16	12,000									12,000	184.50
17	22,000							22,000	292.30		
18	25,000	25,000	192.00								
19	25,000			25,000	162.00						
20	0										
21	0										
22	0										
23	0										
24	18,000					18,000	287.60				
25	18,000							18,000	190.70		
26	12,000									12,000	246.50
27	0										
28	15,000	15,000	192.00								
29	16,000			16,000	192.00						
30	0										
31	0										
TOTAL	327,000	83,000	768.00	85,000	844.00	60,000	671.00	65,000	670.10	34,000	646.80
AVERAGE	20,438	20,750	192.00	21,250	211.00	20,000	223.67	21,667	223.37	11,333	215.60

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
 PLANT ID : A

REPORT MONTH/YEAR: 10/2024

PAGE 6 OF 11

DAY	TOTAL WASH WATER GALLONS	FILTER OPERATION										
		No: 6		No:		No:		No:		No:		
		AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	AREA (square feet)	
	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
1	0											
2	0											
3	0											
4	0											
5	0											
6	0											
7	0											
8	10,000	10,000	215.80									
9	0											
10	0											
11	0											
12	0											
13	0											
14	0											
15	0											
16	0											
17	12,000	12,000	184.50									
18	0											
19	0											
20	0											
21	0											
22	0											
23	0											
24	0											
25	0											
26	12,000	12,000	246.50									
27	0											
28	0											
29	0											
30	0											
31	0											
TOTAL	34,000	34,000	646.80									
AVERAGE	1,097	11,333	215.60									

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS WITH FILTRATION

PWS ID : KY0800273
 PLANT ID: A

REPORT MONTH/YEAR: 10/2024

PAGE 6 OF 11

DAY	TOTAL WASH WATER GALLONS	FILTER OPERATION									
		No: _____ AREA (square feet)		No: _____ AREA (square feet)		No: _____ AREA (square feet)		No: _____ AREA (square feet)		No: _____ AREA (square feet)	
		WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS	WASHWATER GALLONS	FILT RUN HRS
1	0										
2	0										
3	0										
4	0										
5	0										
6	0										
7	0										
8	0										
9	0										
10	0										
11	0										
12	0										
13	0										
14	0										
15	0										
16	0										
17	0										
18	0										
19	0										
20	0										
21	0										
22	0										
23	0										
24	0										
25	0										
26	0										
27	0										
28	0										
29	0										
30	0										
31	0										
TOTAL	0										
AVERAGE	0										

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID : KY0800273
 PLANT ID: A

ALL WATER SYSTEMS

REPORT MONTH/YEAR: 10/2024

PAGE 7 OF 11

DAY	CHEMICALS ADDED		DISTRIBUTION SYSTEM OPERATION								
	CHLORINE BOOSTER LBS	CHLORINE BOOSTER LBS	TEST RESULTS								
			TOTAL (T) AND FREE (F) CHLORINE RESIDUAL (ppm)								
			NORTH		SOUTH		EAST		WEST		
T	F	T	F	T	F	T	F				
1			0.77	0.74							
2					1.12	0.98					
3					0.69	0.67			1.11	1.10	
4							1.73	1.72			
5									1.07	1.00	
6			1.07	0.95							
7									0.74	0.74	
8							1.70	1.61			
9					0.86	0.76					
10			1.14	0.99							
11							1.77	1.77			
12									1.04	1.02	
13					0.95	0.79					
14			1.09	0.98							
15					0.60	0.41					
16							1.84	1.68			
17			1.09	1.00	0.94	0.87			1.19	1.11	
18							1.36	1.30			
19			1.01	0.81							
20					0.84	0.78					
21							1.55	1.46			
22									1.22	1.16	
23			1.13	0.98							
24					0.96	0.71					
25									1.58	1.47	
26			1.14	0.98							
27					0.99	0.88					
28							1.74	1.71			
29									1.37	1.25	
30			1.18	1.14					1.33	0.81	
31							1.65	1.65			
AVERAGE			Average	1.07	0.95	0.88	0.76	1.67	1.61	1.18	1.07
TOTAL			Total Minimum	0.77		0.60		1.36		0.74	
			Free Minimum		0.74		0.41		1.30		0.74

Total # Chlorine Samples	9	9	9	9	8	8	9	9
# Less than 0.2 mg/L/0.5 mg/L	0	0	0	0	0	0	0	0

Number of Free Residuals	35	Minimum Monthly Free Residual	0.41
Number of Total Residuals	35	Minimum Monthly Total Residual	0.60
Total # Less than 0.2 mg/L	0		
Total # Less than 0.5 mg/L			

Disinfectant Chloramines? (Y/N) N
 Number of days of operation? 31

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID : KY0800273
 PLANT ID : A

TURBIDITY REPORT

APPLICABLE TO ALL PLANTS WITH FILTRATION

Report Period (MM/YYYY): 10/2024

PAGE: 8 OF 11

PWS Name: Martin Co. Water District

DAY	Hours Plant Operated	# of Turbidity Samples Required*	Mid - 4 am	4 am - 8 am	8 am - Noon	Noon - 4 pm	4 pm - 8 pm	8 pm - Mid	Daily Maximum	
1	24.0	6	0.09	0.09	0.09	0.09	0.08	0.09	0.090	
2	24.0	6	0.08	0.08	0.08	0.08	0.08	0.09	0.090	
3	24.0	6	0.09	0.09	0.09	0.08	0.08	0.09	0.088	
4	24.0	6	0.09	0.09	0.09	0.09	0.09	0.10	0.096	
5	24.0	6	0.09	0.09	0.09	0.09	0.10	0.09	0.097	
6	24.0	6	0.09	0.09	0.08	0.09	0.08	0.08	0.088	
7	24.0	6	0.08	0.08	0.08	0.08	0.08	0.09	0.085	
8	24.0	6	0.08	0.08	0.08	0.09	0.09	0.08	0.092	
9	24.0	6	0.09	0.09	0.08	0.08	0.08	0.08	0.085	
10	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.083	
11	24.0	6	0.08	0.08	0.08	0.10	0.08	0.08	0.100	
12	24.0	6	0.08	0.08	0.08	0.08	0.08	0.09	0.090	
13	24.0	6	0.09	0.09	0.08	0.09	0.08	0.08	0.085	
14	24.0	6	0.09	0.09	0.08	0.08	0.08	0.08	0.086	
15	24.0	6	0.08	0.08	0.08	0.08	0.08	0.10	0.096	
16	24.0	6	0.08	0.08	0.08	0.10	0.09	0.09	0.098	
17	24.0	6	0.09	0.08	0.08	0.08	0.08	0.09	0.088	
18	24.0	6	0.08	0.08	0.08	0.07	0.09	0.09	0.088	
19	24.0	6	0.09	0.08	0.08	0.09	0.09	0.08	0.086	
20	24.0	6	0.09	0.08	0.09	0.09	0.08	0.08	0.085	
21	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.082	
22	24.0	6	0.08	0.08	0.08	0.08	0.08	0.08	0.078	
23	24.0	6	0.08	0.08	0.07	0.07	0.07	0.07	0.075	
24	24.0	6	0.07	0.08	0.07	0.07	0.07	0.08	0.084	
25	24.0	6	0.08	0.08	0.08	0.08	0.08	0.09	0.085	
26	24.0	6	0.08	0.08	0.08	0.08	0.08	0.11	0.106	
27	24.0	6	0.09	0.09	0.09	0.09	0.09	0.09	0.093	
28	24.0	6	0.09	0.09	0.09	0.09	0.09	0.10	0.097	
29	24.0	6	0.09	0.09	0.09	0.09	0.09	0.09	0.092	
30	24.0	6	0.09	0.09	0.09	0.09	0.08	0.09	0.088	
31	24.0	6	0.09	0.08	0.08	0.08	0.08	0.08	0.087	
Total	744.0	186	TOTAL # OF TURBIDITY SAMPLES TAKEN --						186	0.106

ARE YOU USING EITHER CONVENTIONAL or DIRECT FILTRATION? (Y/N) Y
 (Any type of filtration besides slow sand)

Number of samples exceeding ----> 0.1 NTU 1 0.3 NTU 0 1 NTU 0

For slow sand filtration, the number of samples exceeding ---> 1 NTU _____ 5 NTU _____

*NOTE: The "Number of Turbidity Samples Required" is the number of hours the plant operated divided by 4 rounded up to the next whole number.

I certify that the above turbidity readings were taken every 4 hours during plant operation and in the time frames noted above.

Recoverable Signature

X Michael Sartin _____

Signed by: Drinking Water Supp. Compliance

Signature of Principal Executive Officer or Authorized Agent

Date _____

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

PWS ID: KY0800273

Plant ID: A

Report Period (MM/YYYY): 10/2024

APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE

DAILY CHLORINE DIOXIDE AND CHLORITE REPORT

PWS Name: Martin Co. Water District Plant ID: A

PAGE 10 OF 11

Samples taken at the EPTDS daily					
DAY	Chlorine Dioxide (mg/L)	MRDL Exceeded?	DAY	Chlorite (mg/L)	MCL Exceeded?
1			1		
2			2		
3			3		
4			4		
5			5		
6			6		
7			7		
8			8		
9			9		
10			10		
11			11		
12			12		
13			13		
14			14		
15			15		
16			16		
17			17		
18			18		
19			19		
20			20		
21			21		
22			22		
23			23		
24			24		
25			25		
26			26		
27			27		
28			28		
29			29		
30			30		
31			31		

Samples taken in the Distribution System as necessary				
Additional chlorine dioxide monitoring following an exceedance of the MRDL at the EPTDS (No booster chlorination in the distribution system)				
DATE	Close to 1st customer-1 hr	Close to 1st customer-6 hr	Close to 1st customer-12 hr	MRDL Exceeded?

Samples taken in the Distribution System as necessary				
Additional chlorine dioxide monitoring following an exceedance of the MRDL at the EPTDS (Booster chlorination in the distribution system)				
DATE	Close to 1st customer	Average Residence Time	Maximum Residence Time	MRDL Exceeded?

# of Readings	0	0
Maximum	0.00	0.00
# Exceeding Maximum	0	0

MAKE COPIES AS NEEDED

- EPTDS (Non-acute violation) chlorine dioxide MRDL exceeded when 2 consecutive daily samples exceed the MRDL of 0.8 mg/L.
- Distribution (Acute violation) chlorine dioxide MRDL exceeded when an EPTDS exceeds the MRDL and 1 or more of the 3 followup samples taken the following day in the distribution system exceeds the MRDL.
- Additional distribution chlorite sampling is triggered by exceeding the chlorite MCL of 1.0 mg/L at the EPTDS; the additional sampling must be done by a certified lab and submitted on compliance forms.

KENTUCKY DIVISION OF WATER - DRINKING WATER BRANCH
 WATER TREATMENT PLANT - MONTHLY OPERATING REPORT

APPLICABLE TO ALL PLANTS

PWS ID : KY0800273

PLANT ID: A

REPORT MONTH/YEAR: 10/2024

COLUMN HEADINGS MAY BE CHANGED BASED UPON DATA

PAGE 11 OF 11

		ADDITIONAL DATA									
		Plant To Distribution									
DAY											
1	1,359.00										
2	1,378.000										
3	1,411.000										
4	1,440.000										
5	1,439.000										
6	1,341.000										
7	1,291.000										
8	1,304.000										
9	1,370.000										
10	1,404.000										
11	1,316.000										
12	1,372.000										
13	1,313.000										
14	1,337.000										
15	1,333.000										
16	1,342.000										
17	1,365.000										
18	1,394.000										
19	1,386.000										
20	1,277.000										
21	1,264.000										
22	1,255.000										
23	1,310.000										
24	1,394.000										
25	1,391.000										
26	1,349.000										
27	1,402.000										
28	1,355.000										
29	1,384.000										
30	1,361.000										
31	1,343.000										
TOTAL	40,669.000		0.0		0.0		0.0		0.0		0.0
AVERAGE											

**KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH
MONTHLY OPERATING REPORT (MOR) PLANT SUMMARY FORM**

PWS ID

KY0800273

MONITORING PERIOD (MMYYYY) **10/2024**

**NOTE: COMPLETE ALL APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS ARE
PRE-POPULATED FOR YOU!!!**

PLANT INFORMATION APPLICABLE TO ALL PLANTS			
PLANT ID	<u>A</u>	TOTAL WATER TREATED (gallons)	<u>42,589,000</u>
PLANT NAME	<u>Martin County Water Plant</u>	AVE. DAILY PRODUCTION (gallons)	<u>1,373,839</u>
AGENCY INTEREST	<u>2987</u>	MAXIMUM PUMPAGE (gallons per day)	<u>1,482,000</u>

INDIVIDUAL FILTER EFFLUENT TURBIDITY APPLICABLE TO ALL PLANTS WITH FILTRATION	
ANALYTE CODE	<u>0100</u>
Was each filter monitored continuously? (Y/N)	<u>Y</u>
Were measurements recorded every 15 minutes? (Y/N)	<u>Y</u>
Was there a failure of the continuous monitoring equipment? (Y/N)	<u>N</u>
If Yes, (1) were individual filter effluent turbidity grab samples collected every four hours of operation? (Y/N)	<u> </u>
(2) was the continuously monitoring equipment repaired within 5 working days? (Y/N)	<u> </u>
Was individual filter level greater than 1.0 NTU in two consecutive measurements? (Y/N)	<u>N</u>
Was individual filter level greater than 0.5 NTU in two consecutive measurements after on line for more than four hours? (Y/N)	<u>N</u>
Was individual filter level greater than 1.0 NTU in two consecutive measurements in three consecutive months? (Y/N)	<u>N</u>
Was individual filter level greater than 2.0 NTU in two consecutive measurements in two consecutive months? (Y/N)	<u>N</u>

If any of the last 4 boxes are YES, fill out the Individual Filter Turbidity Sheet and submit with the MOR

COMBINED FILTER EFFLUENT TURBIDITY APPLICABLE TO ALL PLANTS WITH FILTRATION		ENTRY POINT RESIDUAL DISINFECTANT CONCENTRATION APPLICABLE TO ALL PLANTS	
ANALYTE CODE	<u>0100</u>	ANALYTE CODE	<u>0999</u>
Number of hours of plant operation	<u>744.0</u>	Number of days of plant operation	<u>31</u>
Were samples taken every 4 hours of plant operation? (Y/N)	<u>Y</u>	Were samples taken each day of operation? (Y/N)	<u>Y</u>
Number of samples taken	<u>186</u>	Number of lowest chlorine samples recorded	<u>31</u>
Highest single turbidity reading	<u>0.11</u>	Lowest single chlorine reading	<u>1.19</u>
For all filtration except slow sand filtration:		If less than required:	
Number of samples exceeded 0.1 NTU	<u>1</u>	Was residual restored within 4 hours of plant operation? (Y/N)	<u> </u>
Number of samples exceeded 0.3 NTU	<u>0</u>	<u>Free Chlorine</u> (for all disinfectants except chloramine):	
Number of samples exceeded 1 NTU	<u>0</u>	Number of samples under 0.2 mg/L	<u>0</u>
When filtration is slow sand filtration:		<u>Total Chlorine</u> (when disinfectant is Chloramine):	
Number of samples exceeded 1 NTU	<u> </u>	Number of samples under 0.5 mg/L	<u> </u>
Number of samples exceeded 5 NTU	<u> </u>		

CHLORINE DIOXIDE ENTRY POINT MONITORING APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE		CHLORITE ENTRY POINT MONITORING APPLICABLE TO PLANTS UTILIZING CHLORINE DIOXIDE	
ANALYTE CODE	<u>1008</u>	ANALYTE CODE	<u>1009</u>
Number of days of plant operation	<u>31</u>	Number of days of plant operation	<u>31</u>
Were samples taken each day of operation? (Y/N)	<u> </u>	Were samples taken each day of operation? (Y/N)	<u> </u>
Number of samples taken	<u>0</u>	Number of samples taken	<u>0</u>
Highest single chlorine dioxide reading	<u>0.00</u>	Highest single chlorite reading	<u>0.00</u>
Number of chlorine dioxide samples exceeded 0.8 mg/L	<u>0</u>	Number of chlorite samples exceeded 1 mg/L	<u>0</u>

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. Violations of 401 KAR Chapter 8 are subject to severe penalties prescribed in KRS 224.99-010, up to \$25,000 fine per day per violation and in some cases a violation may subject the violator to prison.

Recoverable Signature

X Michael Sartin

Date

Signed by: Drinking Water Supv Compliance
Signature of Compliance Officer or Authorized Agent

KENTUCKY DIVISION OF WATER / DRINKING WATER BRANCH
MONTHLY OPERATING REPORT (MOR) SUMMARY FORM

PWS ID KY0800273

MONITORING PERIOD (MMYYYY) 10/2024

AI 2987

NOTE: COMPLETE ALL APPLICABLE FIELDS!!! NOT ALL OF THE FIELDS ARE PRE-POPULATED FOR YOU!!!

Table with 4 columns: PURCHASED, APPLICABLE TO ALL WATER SYSTEMS, SOLD. Sub-headers: FROM WHOM? (PWS ID), HOW MUCH? (gallons), TO WHOM? (PWS ID), HOW MUCH? (gallons). Rows include PWS IDs WV3303003, KY0980575, and KY0360358.

DISTRIBUTION RESIDUAL DISINFECTANT CONCENTRATION
APPLICABLE TO ALL WATER SYSTEMS

Form for distribution residual disinfectant concentration. Fields include: ANALYTE CODE 0999, Number of days of operation 31, Free Chlorine, Total Chlorine, and lowest single readings for FREE (0.41) and TOTAL (0.60) chlorine.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein. Based on my inquiry of those individuals immediately responsible for obtaining the information, the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Recoverable Signature

X Michael Sartin

Date

Signed by: Drinking Water Supv Compliance gent

Use this page to make note of any unusual conditions

Date

Reference Page

Comments

PWS ID :
PLANT ID:

KY0800273
A
Martin County Water Plant
2987

AGENCY INTEREST:

ANNUAL WATER SYSTEM DATA APPLICABLE TO ALL WATER SYSTEMS

TO BE SUBMITTED WITH DECEMBER MOR

NUMBER OF METERS:

SYSTEM POPULATION: _____

RESIDENTIAL: _____
COMMERCIAL: _____
INDUSTRIAL: _____

TOTAL POPULATION SERVED IN CONSECUTIVE SYSTEMS: (REFER TO TABLE BELOW) _____

CONSECUTIVE SYSTEM POPULATIONS:

(INFORMATION ON THE SYSTEMS/AREA TO WHOM YOU SELL WATER)

PWSID #	# OF METERS	PWSID #	# OF METERS

WATER SOLD (Gallons)

Residential	
Commercial	
Industrial	
Wholesale	

CONTACT INFORMATION:

**WATER SYSTEM
MANAGER/SUPERINT.**

PLANT A

PLANT B

NAME _____	_____	_____
TITLE _____	_____	_____
OFFICE PHONE _____	_____	_____
CELL PHONE _____	_____	_____
AFTER-HOURS PHONE _____	_____	_____
MAILING ADDRESS _____	_____	_____
_____	_____	_____
EMAIL ADDRESS _____	_____	_____

PLANT C

DISTRIBUTION

MOR CONTACT

NAME _____	_____	_____
TITLE _____	_____	_____
OFFICE PHONE _____	_____	_____
CELL PHONE _____	_____	_____
AFTER-HOURS PHONE _____	_____	_____
MAILING ADDRESS _____	_____	_____
_____	_____	_____
EMAIL ADDRESS _____	_____	_____

PUBLIC SERVICE COMMISSION

Monthly Water Loss Report

Water Utility: Martin County Water District

For the Month of: October Year: 2024

LINE #	ITEM	GALLONS (Omit 000's)
1	WATER PRODUCED AND PURCHASED	
2	Water Produced	40,669
3	Water Purchased	
4	TOTAL PRODUCED AND PURCHASED	40,669
5		
6	WATER SALES	
7	Residential	9,222
8	Commercial	3,075
9	Industrial	
10	Bulk Loading Stations	
11	Wholesale	
12	Public Authorities	
13	Other Sales (explain) Prison	4,274
14	TOTAL WATER SALES	16,571
15		
16	OTHER WATER USED	
17	Utility and/or Water Treatment Plant	361
18	Wastewater Plant	
19	System Flushing	184
20	Fire Department	20
21	Other Usage (explain) plant usage	154
22	TOTAL OTHER WATER USED	719
23		
24	WATER LOSS	
25	Tank Overflows	
26	Line Breaks	10,018
27	Line Leaks	13,361
28	Excavation Damages	
29	Theft	
30	Other Loss	
31	TOTAL WATER LOSS	23,379
32		
33	Note: Line 14 + Line 22 + Line 31 MUST Equal Line 4	
34		
35	WATER LOSS PERCENTAGE	
36	(Line 31 divided by Line 4)	57.49%

MARTIN COUNTY WATER & SANITATION DISTRICT
LEAK ADJUSTMENT REQUESTS
11/18/2024

baptistry was left running; turned off

BILLED GALLONS/COST	21,590	246.92	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH CO	19,590	39.18	
PAY (avg+leak cost)		80.60	
WRITE OFF (billed-avg-purch cost)		166.32	
LATE PENALTIES TO ADJ		0.00	
SEWER	21,590	323.13	
AVG SEWER/BILL	2,000	33.00	
LEAK SWR ADJ	19,590	290.13	
SWR PAY (AVG-LEAK)		33.00	
SWR WRITE OFF		290.13	
SWR PENALTIES TO ADJ		0.00	456.45

repaired toilet that was leaking

BILLED GALLONS/COST	26,720	300.73	
BILLED GALLONS/COST	18,310	212.51	
AVG GALLONS/BILL	4,000	62.40	
LEAK GALLONS/PURCH CO	22,720	45.44	
LEAK GALLONS/PURCH CO	14,310	28.62	
PAY (avg+leak cost)		198.86	
WRITE OFF (billed-avg-purch cost)		314.38	
LATE PENALTIES TO ADJ		30.07	344.45

replaced service line from meter to home

BILLED GALLONS/COST	21,650	247.55	
BILLED GALLONS/COST	12,980	156.60	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH CO	19,650	39.30	
LEAK GALLONS/PURCH CO	10,980	21.96	
PAY (avg+leak cost)		144.1	
WRITE OFF (billed-avg-purch cost)		260.05	
LATE PENALTIES TO ADJ		0.00	260.05

repaired leak in yard

BILLED GALLONS/COST	15,410	182.09	
AVG GALLONS/BILL	5,000	72.89	
LEAK GALLONS/PURCH CO	10,410	20.82	
PAY (avg+leak cost)		93.71	
WRITE OFF (billed-avg-purch cost)		88.38	
LATE PENALTIES TO ADJ		0.00	88.38

repaired leak in line under home

BILLED GALLONS/COST	5,300	76.04
BILLED GALLONS/COST	3,800	60.30
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	3,300	6.60
LEAK GALLONS/PURCH CO	1,800	3.60
PAY (avg+leak cost)		48.02
WRITE OFF (billed-avg-purch cost)		43.30
LATE PENALTIES TO ADJ		7.60
SEWER	5,300	81.87
SEWER	3,800	59.66
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	3,300	48.87
LEAK SWR ADJ	1,800	26.66
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		75.53
SWR PENALTIES TO ADJ		8.19

134.62

replaced service line from meter to business

BILLED GALLONS/COST	71,860	774.25
BILLED GALLONS/COST	36,060	398.71
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH CO	64,860	129.72
LEAK GALLONS/PURCH CO	29,060	58.12
PAY (avg+leak cost)		223.59
WRITE OFF (billed-avg-purch cost)		797.38
LATE PENALTIES TO ADJ		75.41
SEWER	71,860	1067.63
SEWER	36,060	537.43
AVG SEWER/BILL	7,000	107.05
LEAK SWR ADJ	64,860	960.58
LEAK SWR ADJ	29,060	430.38
SWR PAY (AVG-LEAK)		214.10
SWR WRITE OFF		1,390.96
SWR PENALTIES TO ADJ		103.98

2,367.73

repaired leak under home

BILLED GALLONS/COST	19,720	227.30
BILLED GALLONS/COST	11,150	137.40
AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH CO	12,720	25.44
LEAK GALLONS/PURCH CO	4,150	8.30
PAY (avg+leak cost)		119.31
WRITE OFF (billed-avg-purch cost)		143.22
LATE PENALTIES TO ADJ		12.40
SEWER	19,720	295.43
SEWER	11,150	168.51

AVG SEWER/BILL	7,000	107.05
LEAK SWR ADJ	12,720	188.38
LEAK SWR ADJ	4,150	61.46
SWR PAY (AVG-LEAK)		214.10
SWR WRITE OFF		249.84
SWR PENALTIES TO ADJ		15.21

420.67

repaired line within 10 ft of meter box

BILLED GALLONS/COST	28,550	319.93
BILLED GALLONS/COST	18,000	209.26
AVG GALLONS/BILL	4,000	62.40
LEAK GALLONS/PURCH CO	24,550	49.10
LEAK GALLONS/PURCH CO	14,000	28.00
PAY (avg+leak cost)		111.50
WRITE OFF (billed-avg-purch cost)		327.29
LATE PENALTIES TO ADJ		12.52
SEWER	28,550	426.21
SEWER	18,000	269.96
AVG SEWER/BILL	4,000	62.62
LEAK SWR ADJ	24,550	363.59
LEAK SWR ADJ	14,000	207.34
SWR PAY (AVG-LEAK)		125.24
SWR WRITE OFF		570.93
SWR PENALTIES TO ADJ		16.15

926.89

pool fill up adj; sewer only

SEWER	22,840	341.64
SEWER	13,230	199.32
AVG SEWER/BILL	7,000	107.05
LEAK SWR ADJ	15,840	234.59
LEAK SWR ADJ	6,230	92.27
SWR PAY (AVG-LEAK)		214.10
SWR WRITE OFF		326.86
SWR PENALTIES TO ADJ		34.16

361.02

repaired leak in yard

BILLED GALLONS/COST	26,570	299.16
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	24,570	49.14
PAY (avg+leak cost)		90.56
WRITE OFF (billed-avg-purch cost)		208.60
LATE PENALTIES TO ADJ		0.00

208.60

repaired leak under home

BILLED GALLONS/COST	7,620	100.37
BILLED GALLONS/COST	5,780	81.07
AVG GALLONS/BILL	3,000	51.91

LEAK GALLONS/PURCH CO	4,620	9.24
LEAK GALLONS/PURCH CO	2,780	5.56
PAY (avg+leak cost)		61.15
WRITE OFF (billed-avg-purch cost)		62.82
LATE PENALTIES TO ADJ		0.00
SEWER	7,620	116.23
SEWER	5,780	88.98
AVG SEWER/BILL	3,000	47.81
LEAK SWR ADJ	4,620	68.42
LEAK SWR ADJ	2,780	41.17
SWR PAY (AVG-LEAK)		95.62
SWR WRITE OFF		109.59
SWR PENALTIES TO ADJ		0.00

172.41

MCWD replaced PRV in meter box; no fault to customer

BILLED GALLONS/COST	7,460	98.70
BILLED GALLONS/COST	6,980	93.66
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	5,460	10.92
LEAK GALLONS/PURCH CO	4,980	9.96
PAY (avg+leak cost)		103.72
WRITE OFF (billed-avg-purch cost)		109.52
LATE PENALTIES TO ADJ		0.00

109.52

repaired leaking toilet

BILLED GALLONS/COST	9,880	124.08
BILLED GALLONS/COST	6,900	92.82
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	7,880	15.76
LEAK GALLONS/PURCH CO	4,900	9.80
PAY (avg+leak cost)		108.4
WRITE OFF (billed-avg-purch cost)		108.50
LATE PENALTIES TO ADJ		0.00

108.50

repaired broken line under home

BILLED GALLONS/COST	26,340	296.75
BILLED GALLONS/COST	8,370	108.24
AVG GALLONS/BILL	5,000	72.89
LEAK GALLONS/PURCH CO	21,340	42.68
LEAK GALLONS/PURCH CO	3,370	6.74
PAY (avg+leak cost)		195.2
WRITE OFF (billed-avg-purch cost)		209.79
LATE PENALTIES TO ADJ		0.00

209.79

replaced washer connection

BILLED GALLONS/COST	13,870	165.94
BILLED GALLONS/COST	11,180	137.72

AVG GALLONS/BILL	7,000	93.87
LEAK GALLONS/PURCH CO	6,870	13.74
LEAK GALLONS/PURCH CO	4,180	8.36
PAY (avg+leak cost)		209.84
WRITE OFF (billed-avg-purch cost)		93.82
LATE PENALTIES TO ADJ		0.00

93.82

repaired line from meter to home

BILLED GALLONS/COST	12,890	182.49
BILLED GALLONS/COST	10,250	127.96
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	10,890	21.78
LEAK GALLONS/PURCH CO	8,250	16.50
PAY (avg+leak cost)		63.20
WRITE OFF (billed-avg-purch cost)		189.33
LATE PENALTIES TO ADJ		9.03
SEWER	12,890	227.77
SEWER	10,250	155.18
AVG SEWER/BILL	2,000	33.00
LEAK SWR ADJ	10,890	194.77
LEAK SWR ADJ	8,250	122.18
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		316.95
SWR PENALTIES TO ADJ		10.96

526.27

repaired broken line under home

BILLED GALLONS/COST	7,180	95.76
BILLED GALLONS/COST	6,510	88.73
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	5,180	10.36
LEAK GALLONS/PURCH CO	4,510	9.02
PAY (avg+leak cost)		102.22
WRITE OFF (billed-avg-purch cost)		82.27
LATE PENALTIES TO ADJ		8.87

91.14

repaired toilet; 2nd month

BILLED GALLONS/COST	10,030	125.65
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH CO	4,030	8.06
PAY (avg+leak cost)		91.44
WRITE OFF (billed-avg-purch cost)		34.21
LATE PENALTIES TO ADJ		0.00

34.21

meter replacement project; meter cnl; no fault to customer

BILLED GALLONS/COST	17,120	200.03
AVG GALLONS/BILL	2,000	41.42
LEAK GALLONS/PURCH CO	15,120	30.24

PAY (avg+leak cost)		71.66	
WRITE OFF (billed-avg-purch cost)		158.61	
LATE PENALTIES TO ADJ		0.00	
SEWER	17,120	256.93	
AVG SEWER/BILL	2,000	33.00	
LEAK SWR ADJ	15,120	223.93	
SWR PAY (AVG-LEAK)		33.00	
SWR WRITE OFF		223.93	
SWR PENALTIES TO ADJ		0.00	382.54

repaired 2 leaking toilets

BILLED GALLONS/COST	54,190	588.89	
BILLED GALLONS/COST	22,430	255.73	
AVG GALLONS/BILL	6,000	83.38	
LEAK GALLONS/PURCH CO	48,190	96.38	
LEAK GALLONS/PURCH CO	16,430	32.86	
PAY (avg+leak cost)		296	
WRITE OFF (billed-avg-purch cost)		548.62	
LATE PENALTIES TO ADJ		0.00	548.62

pool fill up adj; sewer only

SEWER	41,670	620.51	
SEWER	8,170	124.38	
AVG SEWER/BILL	7,000	107.05	
LEAK SWR ADJ	34,670	513.46	
LEAK SWR ADJ	1,170	17.33	
SWR PAY (AVG-LEAK)		214.10	
SWR WRITE OFF		530.79	
SWR PENALTIES TO ADJ		0.00	530.79

one time adj; no fault to customer

BILLED GALLONS/COST	9,930	124.61	
AVG GALLONS/BILL	2,000	41.42	
LEAK GALLONS/PURCH CO	7,930	15.86	
PAY (avg+leak cost)		57.28	
WRITE OFF (billed-avg-purch cost)		95.54	
LATE PENALTIES TO ADJ		11.72	
SEWER	9,930	150.44	
AVG SEWER/BILL	2,000	33.00	
LEAK SWR ADJ	7,930	117.44	
SWR PAY (AVG-LEAK)		33.00	
SWR WRITE OFF		117.44	
SWR PENALTIES TO ADJ		13.40	238.10

repaired leak between meter and home

BILLED GALLONS/COST	17,050	199.29	
BILLED GALLONS/COST	9,870	123.98	

AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH CO	14,050	28.10
LEAK GALLONS/PURCH CO	6,870	13.74
PAY (avg+leak cost)		80.01
WRITE OFF (billed-avg-purch cost)		177.61
LATE PENALTIES TO ADJ		0.00
SEWER	17,050	255.89
SEWER	9,870	149.55
AVG SEWER/BILL	3,000	33.00
LEAK SWR ADJ	14,050	222.89
LEAK SWR ADJ	6,870	116.55
SWR PAY (AVG-LEAK)		66.00
SWR WRITE OFF		339.44
SWR PENALTIES TO ADJ		0.00

517.05

repaired leaking toilet

BILLED GALLONS/COST	29,140	326.12
BILLED GALLONS/COST	15,260	180.52
AVG GALLONS/BILL	6,000	83.38
LEAK GALLONS/PURCH CO	23,140	46.28
LEAK GALLONS/PURCH CO	9,260	18.52
PAY (avg+leak cost)		231.56
WRITE OFF (billed-avg-purch cost)		275.08
LATE PENALTIES TO ADJ		0.00

275.08

repaired line between meter and home

BILLED GALLONS/COST	242,660	2565.94
BILLED GALLONS/COST	7,760	101.84
AVG GALLONS/BILL	3,000	51.91
LEAK GALLONS/PURCH CO	239,660	479.32
LEAK GALLONS/PURCH CO	4,760	9.52
PAY (avg+leak cost)		592.66
WRITE OFF (billed-avg-purch cost)		2075.12
LATE PENALTIES TO ADJ		266.77

2,341.89

11,748.59



MARTIN COUNTY WATER DISTRICT
SUMMARY OF PROJECTS
November 12, 2024

A. RWI&WTP IMPROVEMENTS

1. The project scope at the plant includes rehabilitating treatment unit 1, construction of a new vault for treatment unit 1, adding settling tubes to treatment unit 3, repainting treatment units 1-3, adding a backup generator, replacing the roof over the chemical feed room and adding new chemical feed piping. At the raw water intake, the scope included constructing a new ramp system for the raw water pumps, expanding the electrical building, adding a new transformer, purchasing new pumps with VFDs and a river screen.
2. The project was divided into two portions. The first project included the purchase of the pumps, VFDs and river screen. The items were bid and the only bidder was Xylem.
3. Plans and specifications were developed for the second portion of the project which included the additional work at the plant and the raw water intake.
4. The second project was bid twice and the only bidder both times was Pace Contracting. The project was over budget and portions of the project had to be deleted to accommodate the award.
5. Current status of the Pace Construction project -
 - Rehabilitation of Treatment Unit 1 - Complete
 - Construction of the new Vault for Treatment Unit 1 - Complete
 - Addition of Settling Tubes to Unit 3 - Complete
 - Repainting Units 1 through 3 - Complete
 - Addition of Plant Backup Generator - Complete
 - Replacement of Roof over Chemical Feed Room - Complete
 - Addition of Chemical Feed Piping - Complete
 - New Ramp for Pumps - Complete
 - Expansion of Electrical Building - Complete
 - Addition of a new Power Transformer - Complete
6. Remaining items - Get RWI pumps functional.

B. COLLINS CREEK AREA LINE IMPROVEMENTS

1. The project scope included the replacement of mainline, service line and meters along the majority of Collins Creek.
2. Construction began on July 1st 2024.
3. The new mainline, service line and meters have been installed. All customers have been moved over to the new line and the old line has been disconnected. There were several leaks discovered in the old-line during construction including two that were approximately 20 gallons per minute each.
4. Clean-up, seeding, strawing and paving are complete.
5. Closeout should occur by the end of the year.
6. It appears there will be over \$500,000 remaining in the project (including the match). We have discussed with the ADD potentially using some of this money at the WTP/RWI.

C. KY 292 TELEMETRY PROJECT

1. The project scope includes adding telemetry to the KY 292 Pumping Station and KY 292 South Tank with these funds. This will allow the district to monitor tank levels and water usage remotely and respond in a timely manner to breaks in the line.
2. The single bid received was submitted by Microcomm.
3. Microcomm has been onsite twice installing equipment.
4. We are working with the contractor to get two check valves installed when they return to complete the work. We are also reviewing a proposal or some additional work at the telemetry sites.

D. SESTER BRANCH UTILITY RELOCATION

1. The project will replace a creek crossing along Sester Branch to accommodate construction of a new bridge by KYTC.
2. Bids for the project were opened on October 3, 2024.
3. The low bid was submitted by Boca Enterprises.
5. Contract books have been forwarded to the contractor for execution.

5. A project preconstruction meeting will be scheduled and the project will move to construction upon receipt of the executed contract books, along with, the contractor's performance bond, payment bond and insurance. This should occur within the next month.

E. OTTO BROWN PUMP STATION AND LINE REPLACEMENT PROJECT

1. The project will rehabilitate the existing Davella Pump Station, construct a Master Meter, construct a booster chlorination system, replace the existing Otto Brown Pump Station that is beyond its useful life and subject to confined space constraints and replace the existing waterline in the vicinity of the Otto Brown Station that is subject to leaks.
2. Plans have been submitted to AML for environmental review.
3. Plans will be submitted to DOW for review.
4. The Project may be bid upon concurrence by both agencies.

F. KY 292 UTILITY RELOCATION

1. The project will replace a waterline along KY 292 to accommodate construction of a new bridge by KYTC.
2. Project design is complete.
3. Bids for the project should open in December and the project should go to construction early next year.

G. FEMA BACKUP GENERATOR PROJECT

1. The project will construct one generator to operate the 750-HP VFD Controlled RWI pump and two generators to operate the 60-HP VFD Controlled Pump Stations (40E & 40W).
2. The District received a commitment letter in from FEMA advising of award in the amount of \$1,140,300. The Area Development District is working on obtaining the match funding.
3. Project design is ongoing and tracking toward completion when interim project funding is secured.

H. KY 908 GUARDRAIL PROJECT

1. The project will replace a portion of the mainline between along KY 908 between the water treatment plant and Inez.

2. KYTC has advised additional funds have been requested to perform this work. They will release the project for design when those funds are approved.

I. REPLACE BRIDGE ON KY 40 OVER BUCK CREEK

1. The project will replace portions of the waterline along KY 40 and Buck Creek to facilitate the realignment of the road/intersection at this location.
2. Bell has prepared an opinion of construction cost for KYTC and forwarded it for their review.
3. Design will move forward upon receipt of concurrence from KYTC that funding is available. Construction will occur at the schedule dictated by KYTC.

J. 40E WATER IMPROVEMENT PROJECT

1. Project would remove existing water connections from a waterline that is leaking and move them to a 10" parallel line. The leaking line would then be removed from service. The project will move forward when AML funding is available.

K. TURKEY TANK REHABILITATION

1. The project will rehabilitate the existing Turkey Tank.
2. The District has been advised it will receive funding for this project. Project can move forward upon the receipt of funding.

L. COUNTYWIDE METER REPLACEMENT PROJECT

1. Project would replace all meters (residential and commercial) in the Martin County Water District system.
2. The District has been advised it will receive funding for this project. Project can move forward upon the receipt of funding.

M. COLDWATER WATER IMPROVEMENT PROJECT

1. Project would replace the existing waterline, service line and meters in the Coldwater area. Bell is currently working with the ADD on documents associated with the \$5,000,000.00 project award.

N. OLD ROUTE 3 WATER IMPROVEMENT PROJECT

1. The project would replace the existing waterline, service line and meters in the Old Route 3 area of the county. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration. AML anticipates funding a portion of the project next year.

O. SPICY MOUNTAIN WATER EXTENSION

1. An opinion of probable project cost for delivery of water from the Johnson County side of the Mountain along with an interconnect with Johnson County has been prepared.
2. A revised project profile has been submitted to the ADD.

P. INEZ UTILITY REPLACEMENT

1. Met to discuss options for replacing the utilities in Inez. Since the streets will be torn up to replace these utilities, we are attempting to incorporate some economic development components as the streets are built back. These could include wayfinding signs, trails, parks, pavilions and streetscape improvements. Bell has finalized a contract for preliminary work and forwarded it to the Martin County Water District for consideration. The district has forwarded it to the City of Inez and Martin County Fiscal Court for consideration.

Q. WATER IMPROVEMENT PROJECT BETWEEN WTP AND TURKEY TANK

1. Project would replace the existing waterline, service line and meters between the WTP and the Turkey Tank. An opinion of probable project cost has been prepared, entered into the KIA portal and forwarded to AML for funding consideration.

R. PREPARED OPINION OF PROBABLE PROJECT COSTS FOR THE FOLLOWING PROJECTS

- Bell has prepared two different scopes for the project with associated opinions of probable project cost. ADD intends to prepare an AMLER grant application.
- An updated project cost was prepared at the request of the Martin County Water District.
- Distribution Building and Pipe Yard
- 292 Booster Station and Water Line Replacement
- Big Elk Water Line Replacement and Booster Station Rehabilitation
- Buffalo Horn Water Line Replacement and Booster Pump Station Rehabilitation
- 645 Water Line Replacement and Booster Station Rehabilitation
- Wolf Creek/Pigeon Roost Water Line Replacement
- Meat house Water Line Replacement and Booster Station Rehabilitation
- Hode Water Line Replacement
- Cassell Branch Water Line Replacement and Booster Pump Station Rehabilitation
- Creek Crossing Replacement Project
- Valve Insertion Project
- Big Lick Water Line Replacement and Booster Station Rehabilitation
- Peter Cave Water Line Replacement and Booster Pump Station Rehab
- Kermit Water Line Connection

MARTIN COUNTY WATER DISTRICT 5 YEAR CAPITAL ITEMS							
CAPITAL PROJECTS IN GRANT PROCESS	Pnum	PRIORITY	GRANT PORTAL YEAR	CONSTRUCTION YEAR	COST	FUNDING SOURCE	COMMENTS
RT 40E - WATER IMPROVEMENT PROJECT	WX21159019	1	2023		\$ 975,000	IN GRANT PORTAL	MOVING 50+ CUSTOMERS TO NEWER 12" LINE AND ELIMINATING OLD 6" LINE THAT IS BELIEVED TO BE LEAKING
TURKEY WATER LINE REPLACEMENT	WX21159026	2	2023		\$ 6,822,000	IN GRANT PORTAL	REPLACING LINE FROM THE WATER PLANT TO THE TURKEY TANK. THIS LINE HAS HAD MULTIPLE LEAKS OVER THE YEARS AND IS A CRITICAL POINT FOR A LARGE SERVICE AREA IN THE SYSTEM
COLDWATER LINE REPLACEMENT	WX21159023	2	2023		\$ 8,419,000	IN GRANT PORTAL	UP TO 4 WATER LINES IN THE SAME AREA WITH MANY WEAK POINTS
WATER PLANT CLARIFIER III REHAB		1	2020	2023	\$ 250,000	AML	THIS PROJECT WILL BE COMPLETED AS PART OF A LARGER PROJECT CURRENTLY UNDERWAY RAKE DRIVE BEARING IS OUT
TURKEY STORAGE TANK REHAB	WX21159025	1	2023		\$ 681,000	IN GRANT PORTAL	TANK IS ONE OF THE OLDEST AND IN THE WORST CONDITION IN OUR SYSTEM
Project 113-19-03 Replace Existing Mainline, Water Meters, Service Line, Valves & Hydrants in the Warfield Area	WX21159006	3	2019		\$ 1,260,658	AML	EXISTING PROJECT BIDDING SOON
Projects 113-19-05 & 113-19-06 Rehabilitation of Otto Brown Booster Station, Line replacement to Middlefork Tank, Upgrade of Davella Booster Station		1	2019 Scope changed 2022		\$ 750,000		REPLACING FAILING UNDERGROUND BOOSTER STATION IN THE SYSTEM TO ASSIST IN PROVIDING WATER TO THE AIRPORT, PRISON AND DAVELLA REGION
FEMA BACKUP GENERATOR PROJECT	WX21159015	1	2022		\$ 1,320,000	FEMA	WILL BE GENERATOR AT 40E AND 40W BOOSTER STATIONS AND THE RAW WATER INTAKE
METER REPLACEMENT PROJECT	WX21159013	1	2023		\$ 2,000,000	IN GRANT PORTAL	REDUCE WATER LOSS, EFFICIENCY IN OPERATIONS AND ELIMINATION OF HUMAN ERROR IN METER READING
HIGH SCHOOL PUMP STATION CHECK VALVE		1	2022		\$ 81,000.00		ENABLE THE DISTRICT TO USE THE HIGH SCHOOL TANK TO PROVIDE WATER TO OTHER AREAS OF THE SYSTEM BESIDES THE HIGHSCHOOL. THIS PROJECT WILL REQUIRE A PIT INSTALLED IN THE GROUND ALONG WITH THE CHECK VALVE
OLD ROUTE 3 - WATER IMPROVEMENT PROJECT	WX21159024	1	2023		\$ 5,066,000.00	IN GRANT PORTAL - UNFUNDED	THIS PROJECT WILL REPLACE TRANSMISSION LINE, SERVICE LINE AND METERS ALONG OLD ROUTE 3. A LINE THAT TYPICALLY SEES A LOT OF LINE LEAKS. IT WILL INSTALL VALVES EVERY 500' FOR FUTURE LEAK DETECTION.
MARTIN COUNTY WATER DISTRICT - LEAD SERVICE LINE INVENTORY	WX21159018	3	2023		\$ 299,250.00	IN GRANT PORTAL - UNFUNDED	This project is for the Utility to conduct a Lead Service Line Inventory as required under 40 CFR 141.84. This project consists of a system wide Lead Service Line (LSL) Inventory. This shall include a comprehensive inventory of each service connection within the system to determine the service line material on both sides of the meter.
WATER SYSTEM CONTROLS AND RAW WATER MODIFICATIONS PHASE III	WX21159018	3	2022		\$ 2,563,852.00	IN GRANT PORTAL - UNFUNDED	1) Replacement of Treatment Unit No. 2's Sludge Collector Drive. 2) An additional 20-Foot Section of the 10-inch DR 11 HDPE 4710 Pipe and an additional 20-Foot Section of 12" DR# HDPE Pipe. 3) Paving of the Access Road at the Raw Water Intake Site. 4) Replacement of Carbon Steel Tube Settler Supports with 304/304L Stainless Steel Supports. 5) 60-Foot and 20-Foot Sections of 10-inch DR# HDPE 4710 Flanged Pipe. 6) A second Pump Trailer. 7) Various Unit Piece Items. 8) The project will replace existing main lines, service lines, and hydrants in an area that has been a perpetual source of leaks and breaks for the MCWD. The project will replace approximately 14,500 LF of the mainline, associated service line, and appurtenances
TOTAL					\$ 30,487,780		

MARTIN COUNTY WATER DISTRICT CAPITAL ITEMS				
PROJECTS NOT IN GRANT PROCESS	PRIORITY	YEAR	COST	COMMENTS
INEZ WATER LINE AND VALVE REPLACEMENT	1		\$ 5,318,000.00	OLDEST SECTION OF THE SYSTEM CONSISTING OF AC LINE AND OLD SERVICES, 90% WATER LOSS
DISTRIBUTION BUILDING AND PIPE YARD	3		\$ 897,000.00	CURRENT STAFF USE THE WATER PLANT PARKING LOT FOR STORAGE OF VEHICLES AND PARTS. THE CURRENT EQUIPMENT AND VEHICLES ARE LEFT IN THE ELEMENTS WHICH CAUSE DAMAGE OVER TIME
292 BOOSTER STATION AND WATER LINE REPLACEMENT	1		\$ 9,293,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
BIG ELK WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	2		\$ 2,433,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL. A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
BUFFALO HORN WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	2		\$ 2,186,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. ONLY 1 PUMP IS OPERATIONAL AND THE CHECK VALVES HAVE FAILED. THIS AREA CURRENTLY HAS 65% WATER LOSS AND A MASTER METER NEEDS INSTALLED AT THE PUMP STATION FOR LEAK DETECTION.
645 WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 1,255,000.00	BOOSTER STATION IS UNDERGROUND AND SUBJECT TO FLOODING. THIS STATION NEEDS EQUIPPED WITH A MASTER METER FOR LEAK DETECTION IN THIS AREA.
WOLF CREEK/PIGEON ROOST WATER LINE REPLACEMENT	2		\$ 1,315,000.00	THE WATER LINE IN THIS AREA IS SUBJECT TO MULTIPLE BREAKS EACH YEAR AND CURRENTLY HAS 60% WATER LOSS. NEW LINE IN THIS AREA WITH VALVES WILL REDUCE WATER LOSS AND AID IN LEAK DETECTION IN OTHER LARGE PORTIONS OF THE SYSTEM.
MEATHOUSE WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 7,652,000.00	THIS WATER LINE IS THE FARTHEST AWAY FROM THE SYSTEM AND AN AREA THAT HAS SHOWN POTENTIAL FOR DBP ISSUES. THE BOOSTER STATION ONLY HAS ONE OPERATIONAL PUMP THAT MUST BE MANUALLY OPERATED CAUSING OPERATIONAL ISSUES. THIS STATION IS SUBJECT TO MULTIPLE POWER OUTAGES AND HAS NOT BACKUP POWER.
HODE WATER LINE REPLACEMENT	2		\$ 5,226,000.00	THIS AREA HAS BEEN SUBJECT TO MULTIPLE LEAKS. IT CURRENTLY

CASSELL BRANCH WATER LINE REPLACEMENT AND BOOSTER STATION REHABILITATION	3		\$ 1,574,000.00	EXISTING BOOSTER STATION ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS AND MANY LEAKS.
CREEK CROSSING REPLACEMENT	2		\$ 1,000,000.00	STATISTICALLY CREEK CROSSINGS CAN BE A MAJOR AREA FOR WATER LOSS THAT IS DIFFICULT TO FIND. NEW CREEK CROSSINGS IN STRATEGIC AREAS WOULD HELP REDUCE WATER LOSS AND INCREASE THE LONGEVITY OF THE SYSTEM.
VALVE INSERTION	2		\$ 750,000.00	MANY VALVES IN THE SYSTEM ARE INOPERABLE AND IN NEED OF REPLACEMENT. ADDITIONALLY, VAVLES ARE NEEDED FOR CONTINUED LEAK DETECTION
WATER PLANT HIGH SERVICE PUMP REPLACEMENT	1		\$ 850,000.00	BOTH PUMPS HAVE BEEN IN SERVICE FOR A LONG TIME AND ARE IN MUCH NEED OF REPLACEMENT
PASSENGER TRUCK 4X4	1	2024	\$ 60,000.00	CURRENT VEHICLES ARE INOPERABLE
1 ton 4x4 tool truck with Hoist, Generator, and Compressor	1	2023	\$ 120,000.00	CURRENT TRUCK IS OWNED BY SANITATION DISTRICT
ROAD BORE MACHINE	1		\$ 15,000.00	WOULD ALLOW THE DISTRICT TO DO ITS OWN TAPS AND BORES FOR WATER LINE INSTEAD OF CONTRACTING IT OUT.
ONLINE TURBIDIMETERS AND CONTROLLER	2		\$ 22,626.00	CURRENT TURBIDIMETERS ARE OBSOLETE
BIG LICK WATER LINE REPLACEMENT AND BOOSTER STATION REHAB	3		\$ 1,877,000.00	EXISTING BOOSTER STATION ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS AND MANY LEAKS.
PETER CAVE WATER LINE REPLACEMENT AND BOOSTER STATION REHAB	3		\$ 1,457,000.00	EXISTING BOOSTER STATION IS STRUCTURALLY UNSOUND AND ONLY HAS 1 FUNCTIONAL PUMP. NO TELEMTRY TO PLANT AND NO BACK UP POWER. SEVERAL HYDRAULIC ISSUES WITH THE WATER LINES THAT HAVE LED TO LOW PRESSURE FOR CUSTOMERS.
KERMIT WATER LINE CONNECTION				
TOTAL			\$ 43,300,626.00	

MARTIN COUNTY WATER DISTRICT ANNUAL CAPITAL ITEMS			
RECURRING PROJECTS	YEAR	COST	COMMENTS
10% METER REPLACEMENT	ANNUALLY	\$ 80,000.00	AS REQUIRED BY PSC
TANK INSPECTIONS/CLEANING	ANNUALLY	\$ 7,000.00	1 TANK PER YEAR SHOULD HAVE THEM INSPECTED EVERY 10 YEARS
VEHICLE REPLACEMENT	ANNUALLY	\$50,000.00	ROUTINE FLEET MAINTENANCE AND CHANGE OUT NOT EQUIPMENT EXPENSE
TOTAL		\$ 137,000.00	

REVENUE REQUIREMENT CALCULATION - DEBT COVERAGE METHOD

(This method is used commonly by non-profits that have long-term debts outstanding.)

Pro forma Operating Expenses	\$2,868,570.00
Plus: Average Annual Debt Principal and Interest Payments*	317,730.00
Debt Coverage Requirement**	63,466.00
Total Revenue Requirement	3,249,766.00
Less: Other Operating Revenue	-417,310.00
Non-operating Revenue	118,982.00
Interest Income	-5,026.00
Revenue Required from Rates	2,946,412.00
Less: Revenue from Sales at Present Rates	-2,608,831.00
Required Revenue Increase	\$337,581.00

Required Revenue Increase stated as a Percentage of Revenue at Present Rates	12.94%
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* This should be a 3 year average calculated using the debt principal and interest payments for the three years following the test year.

** This amount is calculated by multiplying the average annual debt principal and interest payments by the debt service requirement of the utility's lending agency.

To: Martin County Water District Board of Directors
From: Todd Adams, Erica Bogenpohl
Date: November 22, 2024
Re: Meter Replacement Program

At the November 12, 2024 Board meeting, the Board directed the staff to provide a cost to replace the District’s water meters. To that end, Alliance recommends proceeding per Section 5.13 of the Professional Operating and Management Agreement for Water Service dated November 20, 2019 and its amendments. The additional services would include:

Providing personnel and ancillary materials needed to replace approximately 3,500 water meters with new meters.

Alliance’s proposal to provide the additional personnel for this project is \$90,154.75. Materials, tools and other miscellaneous expenses related to the project are unknown and will be billed at actual cost plus a 10% administrative fee. Invoices shall be submitted monthly and will be paid (with grant funds) in accordance with Section 7 of the existing Agreement. Alliance’s work is expected to take approximately 90 working days (weather-dependent).

The total grant amount awarded to the District is \$2,000,000. See below table for a breakdown of the grant application budget and proposed budget. The remaining balance of \$578,562 would be sufficient to cover contingencies and/or could be used to replace zone meters.

Description	Budget	Proposed	Notes
Administrative Cost	\$50,000	\$0	Not needed if performed in house
Planning	\$25,000	\$0	Not needed if performed in house
Engineering Fees - Design	\$89,000	\$0	Not needed if performed in house
Engineering Fees - Construction	\$26,000	\$0	Not needed if performed in house
Engineering Fees - Inspection	\$79,000	\$0	Not needed if performed in house
Engineering Fees - Other	\$28,000	\$0	Not needed if performed in house
Construction	\$1,548,000	\$0	Budget number included purchase of meters and installation
Contingencies	\$155,000	\$0	
Meters	\$0	\$1,331,284	Quote from Consolidated Pipe & Supply
Installation	\$0	\$90,155	Proposal from AWR
Total Project Cost	\$2,000,000	\$1,421,438	



Mueller Systems
10210 Statesville Blvd
Cleveland, NC 28037

phone: 704-278-2221
fax: 704-278-9616
muellersystems.com

11/21/24

Sole Source Letter for Mueller Metrology

To Whom It May Concern,

Mueller Systems is the original and only manufacturer for all Hersey Meters, Mueller Systems, or Mueller metrology brand water meters, check valves, equipment, registers, meter reading systems, or any other associated "parts" for these devices. Please note that only parts manufactured by Mueller should be used in the repair of meters, valves, and other products manufactured by Mueller.

Mueller markets our metrology products through Consolidated Pipe and Supply, our sole authorized distributor for these products in the state of Kentucky.

As always, we appreciate your business and look forward to assisting you in any way possible.

Sincerely,

Metrology Sales Manager
901.229.7557 - Mobile
krozelle@muellerwp.com



QUOTATION

Quotation Number **S158160**
 Version Number **1**
 Quotation Date

SALE SITE
 CONSOLIDATED PIPE & SUPPLY
 907 HONEYBRANCH INDL PARK
 DEBORD, KY 41214-8915
 PHONE: 606-298-0333

SHIP TO
 ALLIANCE WATER
 1402 E MAIN ST
 Inez, KY 41224, USA

Last Communication 11/21/2024
Expiration Date 12/31/2024
Written By Jason Chafin
Customer RFQ
Customer Number KY0280630L
Requested By Todd Adams
Sales Rep Jason Chafin

SOLD TO
 ALLIANCE WATER
 RESOURCES INC
 1402 E MAIN ST
 INEZ, KY 41224, USA

Ship Via Will Call
Delivery Terms Customer Pick Up Shipping Point
Payment Terms Net 30 Days

Line	CPS Part No Part Description	Wanted Delivery Date	Sales Qty	UoM	Unit Net Price	Extended Amount
1	23-0058-00497		3,752.00	EA	\$203.15	\$762,218.80
1.1	5/8X3/4 MUL SYS S0320SN SSM GALS 8 DIG 18"NICR 71/2					
2	23-0112-00064		29.00	EA	\$927.15	\$26,887.35
2.1	1-1/2 HERSEY S0620SN-SSM 18 NIC					
3	23-0100-00267		5.00	EA	\$365.82	\$1,829.10
3.1	1 HERSEY S0520SN-SSM 18 NIC LEAD FREE					
4	23-0200-00162		4.00	EA	\$1,068.43	\$4,273.72
4.1	2 HERSEY S072OSN-SSM 18 NIC LEAD FREE					
5	23-0300-00025		3.00	EA	\$2,882.15	\$8,646.45
5.1	3 MUL MVR350 REG #D352712615 NICOR					
6	23-0400-00065		1.00	EA	\$3,908.53	\$3,908.53
6.1	4 HERSEY MVR650 VERT TURBINE Q0S04105 LEAD FREE					
7	23-0000-00163		3,798.00	EA	\$118.00	\$448,164.00
7.1	HERSEY MSW-NODE5-1P-05 MINODEM					
Subtotal Amount						\$1,255,927.95
Tax Amount						\$75,355.68
Total						\$1,331,283.63

prices are valid until the end of 2024 and an order must be placed to secure the pricing before 2024 runs out.)Increases for Meters and most other products are already announced for Quarter 1 of 2025. Lead Times are approx. 4-6 weeks . If they have any other special request, let me know to see if we will be able to accommodate.

This Quotation is subject to and will be governed by Consolidated Pipe's Domestic Terms and Conditions which can be found at <https://consolidatedpipe.com/wp-content/uploads/Consolidated-Pipe-Supply.-General-Terms-and-Conditions-of-Sale-10.1.16-03622602-7.pdf>. Only Consolidated Pipe's Terms and Conditions shall apply. Any other new, additional or conflicting terms and conditions shall be inapplicable to this Quotation as well as to any related purchase order or other agreement, or any performance thereunder.

Ranking	Projects Needed Funding	Vendor	
5	Filters 3-6 media replacement	S4 Water	\$63,595.00
10	Actuators	Citgo	\$16,000.00
9	Chemical Feed Pumps (Watson and Marlow)	BL Anderson	\$45,000.00
6	Roofing Replacement	A Plus Roofing	\$25,000.00
8	Chemical Feed Room Electrical	HM Electrical	\$25,000.00
7	Chemical Feed Room Containment	U-Line	\$5,000.00
Complete	Bearings and Sprocket Clarifier # 3	WesTech	\$14,623.00
Complete	Chain Clarifier# 1	WesTech	\$1,862.50
Complete	Bearings and Sprocket Clarifier # 3	WesTech	\$19,948.00
Complete	Meter Calibrations at WTP	Citgo	\$5,432.50
2	Backup Scada Computers	MicroComm	\$6,000.00
1	Back up Scada Computer Operations	Southern Flow	\$6,000.00
4	Clarifier # 2 New Sprockets, Bearing and Chain	WesTech	\$60,000.00
3	Jib Crane, Trailer and Truck		\$250,000.00
	Total		\$543,461.00
	Total minus completed work		\$501,595.00

Notes
Complete replacment for filter media - contractor preforming the work
This is for 2 actuators
For 16 new chemical feed pumps
New Tin roof on everything that hasn't already go new roof.
This will be to add conduit and GFCI breakers - plus work on actuators tie into SCADA
Single Pallets for each barrel -DOW has already requested this be completed
This has been completed just want to ensure its been included in cost - additional invoice
This has been completed just want to ensure its been included in cost
This has been completed just want to ensure its been included in cost - first invoice
Work has already been completed - Bell looking at getting covered under project
Currently only one computer - Distribution
Currently only one computer - this operates the treatment plant
Similar work done on clarifier # 3 plus bearing and sprocket replacement
Equipment that can be used to pull pump skid and pump out of flood plain