



DADE COUNTY
WATER & SEWER
AUTHORITY
BOARD OF DIRECTORS

REGULAR MEETING

JANUARY 24, 2023

DADE COUNTY WATER AND SEWER AUTHORITY

REGULAR BOARD MEETING AGENDA

JANUARY 24, 2023 6:30 P.M.

MEETING ROOM: DADE COUNTY COMMISSION

MEETING ROOM

1. Call to Order
 - a. Prayer and Pledge of Allegiance
 - b. Roll call
2. Approve minutes from previous meeting
3. Fiscal Matters
 - a. Monthly Financial Report
4. Appearances
5. Legal Matters
6. Old Business
 - a. USDA Project Update
7. New Business
 - a. 2022 Sanitary Survey
 - b. GEFA Project update - Raw Water Intake Screen
 - c. Appalachian Regional Commission – Grant Funding
8. Executive Session (if any)
9. Citizen Participation
10. Adjournment

MINUTES OF
DADE COUNTY WATER AND SEWER AUTHORITY
December 20, 2022

Members Present

Eddie Cantrell, Chairperson
Travis Daniel, Vice Chairperson
Daniel Glecier, II
Allen Townsend
Darrell Pardue

Members Absent

Others Present

Sherri Walker
Elizabeth Zeller
Julie Klotz, CPA

The regularly-scheduled monthly meeting of the Dade County Water and Sewer Authority (“Water Authority”) was held at the Dade County Water & Sewer Authority at 6:30 p.m., on December 20, 2022. Chairperson Cantrell called the meeting to order and announced that the meeting was officially posted and legally advertised as required by the open meeting laws of the State of Georgia, and that a quorum of the members was present. Mr. Cantrell opened the meeting with prayer and the pledge of allegiance.

A roll call of board members was taken with attendance as noted in the table above.

Mr. Townsend made a motion to approve the minutes of the November 2022 meeting. Mr. Pardue seconded the motion and all approved.

Financial Report

Mrs. Zeller presented the financial report. She reported that the November 2022 revenue was \$360,878.52 and expenses were \$261,604.16 for a profit of \$99,274.36. There were 17 new taps during the month. Mrs. Zeller gave the operational report, listing the work for all three departments for November. Mr. Glecier made a motion to approve the Financial Report, and the motion was seconded by Mr. Pardue and all approved.

Legal Matters

There were no legal matters.

Appearances

Julie Klotz, of JHM Accounting, present the Authority’s annual audit report for 2022 to the board. At year end, Ms. Klotz reported that the Authority’s bond ratio was 1.45 without any audit deficiencies. Operating income for the year was \$605,413.00 representing a 57.3% increase from

fiscal year 2021 with net position increasing by \$486,279.00. Mr., Glecier made a motion to accept the 2022 Audit Report, and the motion was seconded by Mr. Pardue and all approved.

Old Business

Sherri Walker, General Manager, provided an update on USDA Projects. As of 12/16/22 Water Main Upgrades Contract #1, Rehabilitation of Water Storage Tanks Hooker, and Lookout Tanks Contract #4, and ECWAG are complete. On Sand Mountain, two of the three routes have been completed by the contractors for Contract #2-Meter Replacement Program. Pump station upgrades for Sand Mountain, contract 3. As a result of Xylem's expedited manufacturing, the spacer plate is expected to arrive the week of December 27th. The installation is scheduled for early January.

New Business

Mrs. Sherri Walker, General Manager presented a project proposal for Raw Water Intake Screen for the water treatment plant. The estimated project cost will be \$1,874,400.00 with the funds being required from GEFA. Mr. Townsend made a motion to accept the project proposal, and the motion was seconded by Mr. Pardue and all approved.

Executive Session

There was no executive session.

There being no further business before the Water Authority Board, the Chair called for a motion to dismiss. Mr. Pardue made a motion to dismiss, and the motion was seconded by Mr. Townsend. The motion was passed unanimously, and the meeting was adjourned. The next regularly-scheduled meeting is set for January 24, 2023 at 6:30 p.m., in the Dade County Commission Building.

As recorded by:

Eddie Cantrell, Chairperson

Attested by:

Allen Townsend, Board Member

DADE COUNTY WATER & SEWER AUTHORITY
Profit & Loss
 December 2022

	Dec 22
Income	
402 · INCOME WATER RENTS	288,275.31
403 · INCOME-SEWER COLLECTION FEES	3,384.72
404 · INCOME/MISCELLANEOUS	629.37
405 · INTEREST INCOME	51.17
406 · TAP FEE INCOME	7,920.00
408 · SEWER SURCHARGE INCOME	69.92
Total Income	300,330.49
Gross Profit	300,330.49
Expense	
501 · CREDIT CARD PROCESSING FEES	4,491.65
501.1 · CHECK PROCESSING FEES	121.90
507 · ELECTRICITY EXPENSE	39,302.52
508 · EMPLOYEE BENEFITS	25,081.18
509 · INSURANCE	43,169.12
511 · INTEREST EXPENSE GEFA LOAN	2,096.74
513 · MATERIALS AND SUPPLIES	7,773.82
514 · CHEMICALS	4,053.82
515 · MISCELLANEOUS	253.57
516 · OFFICE EXPENSE AND POSTAGE	5,184.48
517 · INTEREST EXPENSE ON NRWA LOAN	91.78
518 · BOARD MEMBER FEES	2,850.00
519 · PROFESSIONAL FEES	417.50
522 · REPAIRS AND MAINTENANCE	37,354.41
524 · SALARIES AND WAGES	93,547.67
525 · PAYROLL TAXES	7,156.42
526 · TELEPHONE	1,532.16
530 · EMPLOYEE UNIFORMS	494.28
535 · TRUCK EXPENSE	5,231.19
542 · TRAVEL EXPENSES	60.62
545 · JANITORIAL EXPENSE	300.00
546 · DUES AND SUBSCRIPTIONS	197.59
548 · MEALS AND ENTERTAINMENT	1,033.51
549 · WATER UTILITY EXPENSE	539.62
554 · WHEELAGE & TREATMENT CHARGES	2,170.91
REVENUE BOND SINKING FUND	37,159.38
Total Expense	321,665.84
Net Income	-21,335.35

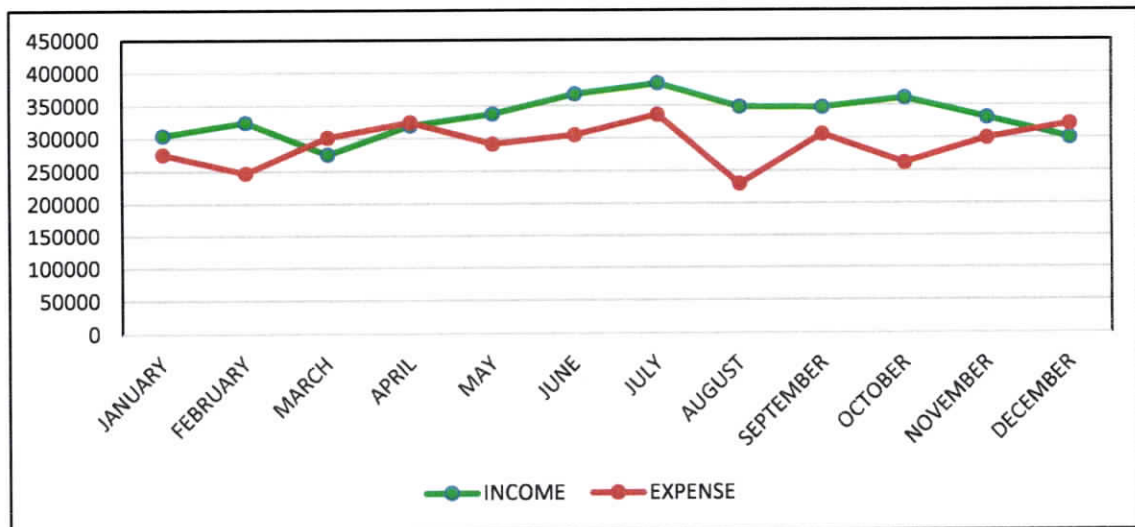


#New Taps= 4

December 2022		Current Month	Previous Month
Total accts 60 days and over		\$37,162.44	\$2,508.95
Total accts 90 days and over		\$13,279.92	\$10,167.32
Total Active Accounts		7,391	7,395
Total Water Services		8,583	8,579
Total gallons water billed		34.6	40.0
Total water pumped		68.9	63.2
Percentage of water loss		50%	37%

12 MONTH INCOME/EXPENSE

BILLING MONTH	PRIOR YEAR			CURRENT YEAR		
	PRIOR YEAR INCOME	PRIOR YEAR EXPENSE	PRIOR YEAR NET INCOME	INCOME	EXPENSE	NET INCOME
JANUARY	\$318,504.80	\$264,390.00	\$54,114.80	\$304,613.45	\$275,664.82	\$28,948.63
FEBRUARY	\$313,693.57	\$311,381.00	\$2,312.57	\$324,797.73	\$247,030.76	\$77,766.97
MARCH	\$283,758.09	\$274,217.60	\$9,540.49	\$275,664.73	\$301,637.46	(\$25,972.73)
APRIL	\$308,287.90	\$297,535.43	\$10,752.47	\$319,740.25	\$324,570.76	(\$4,830.51)
MAY	\$313,715.01	\$267,167.37	\$46,547.64	\$337,379.08	\$291,330.74	\$46,048.34
JUNE	\$372,731.13	\$223,712.56	\$149,018.57	\$367,557.28	\$304,815.73	\$62,741.55
JULY	\$342,993.69	\$304,911.47	\$38,082.22	\$383,630.94	\$336,007.10	\$47,623.84
AUGUST	\$364,167.87	\$263,479.34	\$100,688.53	\$347,442.59	\$229,682.80	\$117,759.79
SEPTEMBER	\$367,515.71	\$266,073.76	\$101,441.95	\$346,836.82	\$305,392.47	\$41,444.35
OCTOBER	\$305,934.16	\$369,819.05	(\$63,884.89)	\$360,878.52	\$261,604.16	\$99,274.36
NOVEMBER	\$297,773.14	\$265,564.61	\$32,208.53	\$331,019.59	\$299,696.82	\$31,322.77
DECEMBER	\$311,470.60	\$78,073.82	\$233,396.78	\$300,330.49	\$321,665.84	(\$21,335.35)
TOTALS	\$3,900,545.67	\$3,186,326.01	\$714,219.66	\$3,699,560.98	\$3,499,099.46	\$500,792.01



Dade County Water and Sewer Authority
 Fixed Charges Coverage Ratio
 as of 12/31/2022

Change in net position	165,922.14	X	
Plus: Interest expense	69,452.08	X	
Plus: Depreciation	<u>339,363.36</u>	X	
Net Revenues to date			574,737.58
Number of months in current fiscal year	6.00		
Net Revenues annualized for the year		\$	1,149,475.00
Fixed Charges			
Plus: Scheduled interest payments for FY	171,164.75	#	
Plus: Scheduled principal payment for FY	<u>613,484.44</u>	#	
Total Scheduled Fixed Charges			<u>784,649.19</u>
Calculated ratio			<u>1.46</u>
Required ratio for revenue bonds			<u>1.10</u>
Required ratio for GEFA loan			<u>1.05</u>

DADE COUNTY WATER & SEWER AUTHORITY

Balance Sheet

01/23/23

As of December 31, 2022

Accrual Basis

	Dec 31, 22
ASSETS	
Current Assets	
Checking/Savings	
100 · PETTY CASH	
100.1 · VAULT	250.00
100.2 · CASH DRAWER #1	200.00
100.3 · CASH DRAWER #2	200.00
100.4 · PETTY CASH	300.00
Total 100 · PETTY CASH	950.00
101 · CASH IN BANK REVENUE WF	644,155.47
103.2 · PROPERTY LEASE	1,005.00
103.4 · GEFA REVENUE ACCT	539.39
103.5 · USDA REVENUE	380.00
103.6 · USDA SINKING FUND	400.00
104 · CASH IN BANK O&M ACCOUNT	95,410.31
105 · CASH IN BANK PAYROLL	49,604.06
108 · METER DEPOSIT ACCOUNT	292,506.64
109 · METER DEPOSIT SAVINGS	98,000.00
110 · SINKING FUND	625,386.35
110.1 · REVENUE BOND SINKING FUND	172,500.03
111 · TAP FEE REVENUE	378,053.45
112 · TAP FEE SAVINGS	137,597.37
193 · CASH IN BANK - MONEY MARKET	26,831.53
193.1 · MONEY MARKET-RET. DOUG ANDERTON	196,324.88
Total Checking/Savings	2,719,644.48
Other Current Assets	
113 · CUSTOMER A/R - WATER	413,053.63
114 · ALLOWANCE FOR DOUBTFUL ACCT	-12,100.00
115 · ACCRUED INTEREST RECEIVABLE	4,058.26
117 · CUSTOMER A/R - SEWER SURCHARGE	-659.69
1170 · A/R MISC. CHARGES	36,757.97
118 · INVENTORY	289,029.89
119 · PREPAID EXPENSES	79,101.37
131.1 · Unbilled Revenue	70,700.00
Total Other Current Assets	879,941.43
Total Current Assets	3,599,585.91
Fixed Assets	
120 · COMPUTER EQUIPMENT	149,411.22
122 · ACCUMULATED DEPRECIATION	-21,202,089.15
124 · TOOLS AND EQUIPMENT	531,818.12
127 · VEHICLES	528,872.74
129 · BUILDINGS AND IMPROVEMENTS	259,231.80
137 · INVESTMENTS IN WATER SYSTEM	21,951,358.37
143 · SEWER SYSTEM	59,788.34
162 · LAND	504,173.52
195.2 · CONSTRUCTION IN PROGRESS	2,983,030.55
196 · TREATMENT PLANT IMPROVEMENTS	3,400,784.89
199 · WATER TANK IMPROVEMENTS	1,803,224.10
Total Fixed Assets	10,969,604.50
TOTAL ASSETS	14,569,190.41
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Accounts Payable	
2000 · *Accounts Payable	77,300.70
Total Accounts Payable	77,300.70

DADE COUNTY WATER & SEWER AUTHORITY

Balance Sheet

01/23/23

As of December 31, 2022

Accrual Basis

	Dec 31, 22
Other Current Liabilities	
202 · DUE TO SEWER SYSTEM	60,620.14
205 · ACCRUED INTEREST PAYABLE	4,580.26
207 · ACCRUED SALARIES AND WAGES	32,793.00
208 · GEORGIA WITHHOLDING TAX	4,032.95
209 · FEDERAL WITHHOLDING TAX	-0.30
2100 · Payroll Liabilities	-91.01
217 · 457 RETIREMETN BENEFIT PLAN	-243.36
218 · EMP. UNIFORMS-EMPLOYEE PORTION	-378.19
235 · ACCRUED RETIREMENT BENEFIT	194,234.24
240 · NRWA LOAN	35,836.45
Total Other Current Liabilities	331,384.18
Total Current Liabilities	408,684.88
Long Term Liabilities	
171.3 · BOND PREMIUM - 2011	371,165.35
171.4 · ACC AMORT-BOND PREMIUM 2011	-224,652.94
182 · DEF. LOSS ISSUE EXPIRING 07-28	-284,979.25
182.1 · 2003 DEF. LOSS ISSUE EXP 07-28	-343,775.64
183 · ACCUM AMORT-ISSUE EXP. 07-28	239,996.81
184.1 · ACCUM AMORT ISSUE EXP 07-28	232,530.00
206 · DEF. METER DEPOSITS DUE - WF	195,210.10
211 · ACCRUED VACATION	37,358.11
214 · BONDS PAYABLE - 2011 REFUNDING	2,665,000.00
223 · GEFA LOAN DW2020035	3,771,908.34
230 · GEFA LOAN # 2010L08WS	666,293.02
231 · GEFA LOAN RESERVOIR #RF2018001	327,863.31
Total Long Term Liabilities	7,653,917.21
Total Liabilities	8,062,602.09
Equity	
305 · RETAINED EARNINGS TFF	625,386.35
308 · INVESTED IN CAPITAL ASSETS, NET	4,153,011.00
3900 · Retained Earnings	1,562,268.83
Net Income	165,922.14
Total Equity	6,506,588.32
TOTAL LIABILITIES & EQUITY	14,569,190.41

DADE COUNTY WATER & SEWER AUTHORITY

Profit & Loss

01/23/23

October through December 2022

Accrual Basis

	Oct 22	Nov 22	Dec 22	TOTAL
Income				
402 · INCOME WATER RENTS	304,394.12	306,337.86	288,275.31	899,007.29
403 · INCOME-SEWER COLLECTION FEES	3,477.77	3,563.00	3,384.72	10,425.49
404 · INCOME/MISCELLANEOUS	21,069.19	5,337.93	629.37	27,036.49
405 · INTEREST INCOME	48.54	50.56	51.17	150.27
406 · TAP FEE INCOME	31,820.00	15,650.00	7,920.00	55,390.00
408 · SEWER SURCHARGE INCOME	68.90	80.24	69.92	219.06
Total Income	360,878.52	331,019.59	300,330.49	992,228.60
Gross Profit	360,878.52	331,019.59	300,330.49	992,228.60
Expense				
501 · CREDIT CARD PROCESSING FEES	4,407.52	4,149.25	4,491.65	13,048.42
501.1 · CHECK PROCESSING FEES	0.00	118.00	121.90	239.90
502 · DEPRECIATION	56,560.56	56,560.56	56,560.56	169,681.68
506 · BAD DEBTS	-166.45	-304.93	0.00	-471.38
507 · ELECTRICITY EXPENSE	39,281.64	37,385.98	39,302.52	115,970.14
508 · EMPLOYEE BENEFITS	26,827.88	26,827.88	25,081.18	78,736.94
509 · INSURANCE	1,095.12	1,095.12	43,169.12	45,359.36
510 · INTEREST ON BONDS PAYABLE	740.08	740.08	51,196.33	52,676.49
511 · INTEREST EXPENSE GEFA LOAN	2,125.75	2,111.27	2,096.74	6,333.76
513 · MATERIALS AND SUPPLIES	22,195.95	3,846.83	7,773.82	33,816.60
514 · CHEMICALS	3,906.00	18,495.90	4,053.82	26,455.72
515 · MISCELLANEOUS	9,665.08	-915.73	253.57	9,002.92
516 · OFFICE EXPENSE AND POSTAGE	6,587.42	5,039.72	5,184.48	16,811.62
517 · INTEREST EXPENSE ON NRWA LOAN	96.13	93.96	91.78	281.87
518 · BOARD MEMBER FEES	0.00	0.00	2,850.00	2,850.00
519 · PROFESSIONAL FEES	2,908.92	15,585.00	417.50	18,911.42
520 · COMPUTER MAINTENANCE	9,575.00	0.00	0.00	9,575.00
522 · REPAIRS AND MAINTENANCE	4,566.36	16,613.07	37,354.41	58,533.84
524 · SALARIES AND WAGES	77,126.96	110,000.02	93,547.67	280,674.65
525 · PAYROLL TAXES	5,900.14	8,881.40	7,156.42	21,937.96
526 · TELEPHONE	996.39	1,030.42	1,532.16	3,558.97
530 · EMPLOYEE UNIFORMS	636.98	431.90	494.28	1,563.16
535 · TRUCK EXPENSE	7,200.36	8,137.50	5,231.19	20,569.05
542 · TRAVEL EXPENSES	279.92	219.24	60.62	559.78
545 · JANITORIAL EXPENSE	300.00	300.00	300.00	900.00
546 · DUES AND SUBSCRIPTIONS	65.16	215.15	197.59	477.90
548 · MEALS AND ENTERTAINMENT	296.78	627.30	1,033.51	1,957.59
549 · WATER UTILITY EXPENSE	539.62	539.62	539.62	1,618.86
554 · WHEELAGE & TREATMENT CHARGES	2,265.22	2,013.57	2,170.91	6,449.70
Total Expense	285,980.49	319,838.08	392,263.35	998,081.92
Net Income	74,898.03	11,181.51	-91,932.86	-5,853.32



PROJECT UPDATES

AS OF 1/20/2023

CONTRACT #1 - WATER MAIN UPGRADES
COMPLETE

CONTRACT #2 - METER REPLACEMENT PROGRAM
IN PROGRESS

CONTRACTORS HAVE INSTALLED 2,536 OF 4,200 METERS

CONTRACT #3 - PUMP STATION UPGRADES
SAND MOUNTAIN PUMPSTATION

IN PROGRESS

TENCARVA IS EXPECTED TO PULL PUMPS AND INSTALL THE SPACER PLATE THIS WEEK
PUMP STATION START-UP IS EXPECTED BY 01/27/2023

CONTRACT #4 - REHABILITATION OF WATER STORAGE TANKS
HOOKE & LOOKOUT TANKS COMPLETE
COMPLETE

ECWAG - (EMERGENCY COMMUNITY WATER ASSISTANCE GRANT)
COMPLETE

ENVIRONMENTAL PROTECTION DIVISION

SANITARY SURVEY SUMMARY			
DATE(S) OF SANITARY SURVEY: <u>9/22/2022</u>			
WATER SYSTEM INFORMATION			
SYSTEM NAME: <u>Dade County Water Authority</u>			
WSID NO.: <u>GA0830000</u>			
COUNTY: <u>Dade</u>			
PUBLIC WATER SYSTEM TYPE: <u>Community (C)</u>			
NAME(S) OF SURVEY INSPECTOR(S): <u>Disha Thakkar; Asmita Patel; Hilda Iyasele</u>			
NAME(S) OF SYSTEM OFFICIALS PRESENT DURING SURVEY: <u>Franklin Hawkins;</u>			
NAME OF EPD DRINKING WATER PERMITTING ENGINEER: <u>Disha Thakkar; Asmita Patel; Hilda Iyasele</u>			
SYSTEM DESCRIPTION			
Number of Sources: <u>3 (1 Well, 1 Surface, 1 Purchase)</u>	Number of Water Treatment Plants: <u>1</u>		
Source Type(s): <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> Surface <input checked="" type="checkbox"/> Purchase	Treatment Types: <input type="checkbox"/> Package Plant <input type="checkbox"/> pH Adjustment <input type="checkbox"/> Aeration		
Number of Raw Water Reservoirs/Storage Tanks: <u>0</u>	<input type="checkbox"/> Presedimentation <input checked="" type="checkbox"/> Coagulation <input checked="" type="checkbox"/> Flocculation		
Number of Finished Water Storage Tanks: <u>14 (1 Clearwell; 13 Dist.)</u>	<input checked="" type="checkbox"/> Sedimentation <input checked="" type="checkbox"/> Filtration <input checked="" type="checkbox"/> Disinfection		
Number of Finished Water Pump Stations: <u>11 (1 HSP, 10 Dist.)</u>	<input checked="" type="checkbox"/> Fluoridation <input type="checkbox"/> Softening <input type="checkbox"/> Corrosion Control		
SYSTEM OWNER/MAIN POINT OF CONTACT			
Name: <u>Sherri Walker</u> Title: <u>General Manager</u>			
Mailing Address: <u>P.O.Box 1047, Trenton, GA 30752</u>			
Phone Number: <u>706-657-4341</u> Fax Number: _____			
Email Address: <u>swalker@mydadewater.com</u>			
SYSTEM OPERATOR AND PWS CLASSIFICATION			
Name of Operator In Responsible Charge (ORC): <u>Frank Hawkins</u>	Number of Certified Operators (WTP and Distribution): _____		
Certification Class: <u>Class I</u> Expiration Date: <u>6/30/2023</u>	Name	Title	Class
Mailing Address: <u>P.O.Box 1047, Trenton, GA 30752</u>	1. <u>Franklin Hawkins</u>	<u>ORC</u>	<u>Class I</u>
Phone Number: <u>706-657-6097</u> Fax Number: _____	2. <u>Mitchell Griffin</u>	<u>Operator</u>	<u>Class II</u>
Email Address: <u>fhawkins@mydadewater.com</u>	3. <u>Bobby Cloud, Jr.</u>	<u>Operator</u>	<u>Class III</u>
PUBLIC WATER SYSTEM CLASSIFICATION (C and NTNC systems)	4. <u>Dameon Scott Hawkins</u>	<u>Operator</u>	<u>Class II</u>
<input type="checkbox"/> Class I <input checked="" type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Class IV	5. <u>William Mathew Smith</u>	<u>Operator</u>	<u>Class I</u>
PERMITTED CAPACITY: <u>3.8</u> MGD	6. <u>Christopher Jerome Knight</u>	<u>Distribution</u>	<u>Class III</u>
NUMBER OF SERVICE CONNECTIONS: <u>7367</u>	7. _____	_____	_____
POPULATION SERVED: <u>19,891</u>	8. _____	_____	_____
YEAR SYSTEM CONSTRUCTED/MODIFIED: <u>1962(construction); 2000(modification); 2021 (meter replacement)</u>	9. _____	_____	_____
	10. _____	_____	_____
	11. _____	_____	_____
	12. _____	_____	_____
	13. _____	_____	_____
	14. _____	_____	_____
SANITARY SURVEY RESULTS			
<input type="checkbox"/> In Compliance <input type="checkbox"/> Minor Deficiencies <input type="checkbox"/> Out of Compliance (Significant Deficiencies)			
SIGNIFICANT DEFICIENCIES			
Deficiencies that are determined to cause or have the potential to cause risks to public health are considered "Significant Deficiencies."			
<u>The water system does not have any significant deficiencies.</u>			
MINOR DEFICIENCIES			
Deficiencies that are violations of the Georgia's Rules for Safe Drinking Water (391-3-5) or EPD's "Minimum Standards for Public Water Systems" and do not pose an immediate risk to public health are considered "Minor Deficiencies."			
1. <u>According to Part 7.7a of Minimum Standards for Public Water Systems, revised March 2021, fluoride compounds should be stored inside a building, where as the fluoride tank at the plant was outside and not labelled.</u>			
2. <u>An online continuous particle counting device with recorded on the combined filter effluent is required for the plants treating surface water according to section 9.6.10 Monitoring of Georgia's Minimum Standards for Public Water Systems, Revised March 2021.</u>			
RECOMMENDATIONS			
1. <u>Too much sludge was seen on top of the flocculation and sedimentation tank, and it is recommended to see the coagulant dosage and other pertaining reasons causing the excessive sludge.</u>			
2. <u>It is recommended for the water system to maintain a regulatory monitoring plan and goals and display it in the lab section of the plant.</u>			
3. <u>It is recommended to clean the high service pump station and pipe gallery so that its easily accessible and aesthetic as well. During the</u>			

ENVIRONMENTAL PROTECTION DIVISION

survey it was observed that there were many cobwebs at the door entrance, and it was inaccessible.
4. According to the Operation and Maintenance manual, the filter maintenance plan should be developed and implemented. Since it was last service and inspected in 2017, its highly recommended to have an annual plan to get it serviced and inspected.
5. It is recommended that all the tanks and clearwells should be timely clean and inspected and the records should be maintained at the plant.
6. A leak detection program should be established to appropriately monitor leaks, repairs and water loss in the system. Appendix B O& M plan, B-139/ B-140, B-188; Rule 391-3-5-.14(12).

COMMENTS

1. According to Part 12.2.1c Minimum Pipe size, the minimum pipe size shall be 2 inch in nominal diameter whereas the water system has minimum pipe size of ¾ inch. It can be looked into by water system engineer and include in the future planning. 2. There are 10 different pressure zones because of the elevation and the distribution system personnel is unable to get the minimum pressure at the highest point in the distribution system,

REFERENCES

State of Georgia Rules for Safe Drinking Water, Subject 391-3-5
[\[http://rules.sos.ga.gov/gac/391-3-5\]](http://rules.sos.ga.gov/gac/391-3-5)

Minimum Standards for Public Water Systems, Revised March 2021
[\[https://epd.georgia.gov/document/document/minimum-standard-final-march-2021pdf/download\]](https://epd.georgia.gov/document/document/minimum-standard-final-march-2021pdf/download)

Appendix A: Business Plan
[\[https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/businessplan.2000.pdf\]](https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/businessplan.2000.pdf)

Appendix B: Operations & Maintenance Plan (O & M Plan)
[\[https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/o%26m.pdf\]](https://epd.georgia.gov/sites/epd.georgia.gov/files/related_files/site_page/o%26m.pdf)

Boil Water Advisory Guidance Manual and Template
[\[https://epd.georgia.gov/document/document/boilwateradvisoryguidancemanualnov2020pdf/download\]](https://epd.georgia.gov/document/document/boilwateradvisoryguidancemanualnov2020pdf/download)
[\[https://epd.georgia.gov/document/document/boil-water-advisory-notice-template-nov-2020/download\]](https://epd.georgia.gov/document/document/boil-water-advisory-notice-template-nov-2020/download)

Georgia Drinking Water Watch
[\[http://gadrinkingwater.net\]](http://gadrinkingwater.net)

Asmita Patel
 Inspector Signature

1/11/2023
 Date


 Supervisor Signature

1/17/2023
 Date



**INSTRUMENTATION
CALIBRATION
SERVICES**

Water Process Measurement and Controls

Allan Jackson
1137 Del Ray Drive
Birmingham, AL 35213
(205) 591-5815 or 914-1857

Dade County Water & Sewer Authority
PO Box 1047
Trenton, GA 30752
Attn: Frank Hawkins

1/20/2023

Re: Quote for a new Particle Counter on the Filtered Water.

Per your request we are pleased to offer the following Proposal for providing a new Particle Counter. We first checked with "Hach Company" for their unit and was told that it is still listed on the Hach Web Site but was Obsoleted and no longer For Sale since 10/22/2022. I got one of their Hach Service Engineers to recommend another Manufacturer that does Particle Counters and they gave me a company called "Beckman Coulter Company". I checked them out but do not recommend their Counter. I did some research with "Chemtrac Company" and will now recommend them for providing the Particle Counter. We would like to provide a Chemtrac Model PC3400 Particle Counter Meter. This unit counts particles in liquid from 2 – 750 Microns. It has two 4-20mA output that can be connected to the WTP's existing PLC analog inputs and be viewed on the plants computer screens after your Systems Integrator makes a Program Addition. We propose to install the new Chemtrac Particle Counter in the Pipe Gallery near the Combined Filtered Water Turbidimeter. A new shielded Cable will have to be installed and connected to one of the Spare Analog Input Modules in your PLC Panel. The Particle Counter will be installed at the best location and 120 VAC Power will used to power this meter. A Water Sample Line and Drain Line will have to be installed also.

Equipment and Services to be provided:

- 1) One Chemtrac model PC3400 Particle Counter, has Local Display, Keypad, External Sensor, Two Channel 4-20 mA Outputs, 2 Alarm Relays, USB & other communication ports.
TracData Software (website download)
On board Keypad for Configuring the Meter and a 4-20 mA Output signal to be connected to remote PLC and Computer displays.
 - 2) One Chemtrac PVC Weir Kit with mounting hardware, Tubing Kit, Cleaning Brush and Service Manual
- AR) Shipping Charges for the above items.
AR) Complete Installation and Calibration Service.

Total Cost of this Proposal.....\$9,350.00

Thank you for your consideration and call us for any questions that you may have.

Allan Jackson

GEFA PROJECT UPDATE

RAW WATER DEBRIS SCREEN

After approval by the board at the December 2022 meeting, the Dade County Water & Sewer Authority submitted a loan application to GEFA (Georgia Environmental Finance Authority) on January 4, 2023 to apply for a low interest loan in the amount of \$1,874,400 to install a Center Flow Band Screen System at our raw water intake to protect the newly installed pumps.

The Dade County Water & Sewer Authority will have a public meeting to discuss the raw water intake improvement project. The purpose of this meeting is to:

- Inform the public of the need for improvements to the Authority's water system
- Comply with the requirements of the Georgia's Rules for Safe Drinking Water and with the public participation requirements of Georgia's Drinking Water State Revolving Fund (DWSRF) Environmental Review Process
- Encourage public involvement in the development of a plan to improve the water system

PUBLIC MEETING NOTICE

Dade County Commission Meeting Room

Monday, February 13, 2023 at 10:00 A.M. EST

72 Case Avenue

Trenton, GA 30752

GRANT FUNDING UPDATE

On January 11, 2023, Dade County Water & Sewer Authority met with officials from Northwest Georgia Regional Commission and Georgia Department of Community Affairs regarding available grants to fund some of our infrastructure projects.

Dade County Water & Sewer Authority was informed that 2 of our proposed projects, line replacement on Hwy 299 and an additional feed to the Industrial Park, would potentially qualify for ARC Funding (Appalachian Regional Commission).

The first step in the application process is to issue an RFQ. An RFQ is a request for qualifications for engineering services. Even though we have an engineering firm that we currently work with, federal law requires that we go through this process to ensure qualified engineering services.

NWGRC is currently drafting our RFQ. Qualification packets that are submitted to the Authority will need to be reviewed by a review committee. This committee should be comprised of 3-5 members of the Authority's choosing.

**PRELIMINARY COST ESTIMATE
FOR
DADE COUNTY WATER & SEWER AUTHORITY WATER MAIN UPGRADES
(VANGUARD INDUSTRIAL ROAD)**

Vanguard Industrial Road

ITEM NUMBER	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1	8" CL 350 DI Water Main	3,400	LF	\$ 65	\$ 221,000
2	8" Gate Valve	2	EA	\$ 2,000	\$ 4,000
3	Directional Bore Creek Crossing - 8" RJ DI	100	LF	\$ 450	\$ 45,000
4	Fire Hydrants w/ 6" Gate Valve	1	EA	\$ 5,000	\$ 5,000
5	Open Cut & Case w/12" Steel Casing	90	LF	\$ 250	\$ 22,500
6	Connect to Existing System (Connect to Ex. Stub-out w/Viv)	1	EA	\$ 2,000	\$ 2,000
7	Connect to Existing System (Tapping Sleeve & 8" Gate Viv)	1	EA	\$ 3,000	\$ 3,000
Subtotal					\$ 302,500
Contingency, Engineering, and Construction Observation					\$ 75,625
Estimated Project Cost					\$ 378,125

**PRELIMINARY COST ESTIMATE
FOR
DADE COUNTY WATER & SEWER AUTHORITY WATER MAIN UPGRADES
(SR 299)**

SR 299 AT WILDWOOD EXIT

ITEM NUMBER	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1	6" CL 350 DI Water Main	3,600	LF	\$ 65	\$ 234,000
2	6" Gate Valve	5	EA	\$ 1,500	\$ 7,500
3	Fire Hydrants w/ 6" Gate Valve	3	EA	\$ 5,000	\$ 15,000
4	Interstate Bore & Case w/16" Steel Casing	565	LF	\$ 550	\$ 310,750
5	Road Bore & Case w/12" Steel Casing	50	LF	\$ 500	\$ 25,000
6	Reconnect Ex. Commercial Services	3	EA	\$ 2,000	\$ 6,000
7	Reconnect Ex. Residential Services	5	EA	\$ 1,500	\$ 7,500
8	Connect to Existing System	4	EA	\$ 2,500	\$ 10,000
Estimated Construction Cost					\$ 615,750
Contingency, Engineering, Permitting, Construction Observation					\$ 153,938
Total Estimated Project Cost					\$ 769,688

- This estimate is based on the following assumptions:
- Interstate bore is bid with a rock clause. Rock is not anticipated since it is a "Fill" area for the Interstate.
 - Easement is obtained from 3 property Owners allowing the use of the old SR 299 road for access to the interstate on the East side and easement is obtained on West side from 1 property Owner for approximately 550 LF to access the old SR 299 R.O.W.