3G Water Supply Corporation
Balance Sheet
As of September 30, 2022

	Sep 30, 22
ASSETS	
Current Assets	
Checking/Savings	
Checking, Prosperity Bank	154,128.69
Money Market, Prosperity	311,147.10
Total Checking/Savings	465,275.79
Total Current Assets	465,275.79
Fixed Assets	
Land	40,000.00
Property & Equipment	
Accumulated Depreciation	-309,037.00
Electrical Upgrade Project	40,548.00
System Improvements	128,974.48
Property & Equipment - Other	260,228.05
Total Property & Equipment	120,713.53
Total Fixed Assets	160,713.53
TOTAL ASSETS	**625,989.32**
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
Membership Fee Deposits	91,920.00
Renter's Deposits	1,250.60
Total Other Current Liabilities	93,170.60
Total Current Liabilities	93,170.60
Total Liabilities	93,170.60
Equity	
Retained Earnings	462,901.98
Net Income	69,916.74
Total Equity	532,818.72
TOTAL LIABILITIES & EQUITY	**625,989.32**

3G Water Supply Corporation
Balance Sheet
As of September 30, 2022

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Retained Earnings	462,901.98
Net Income	69,916.74
Total Equity	532,818.72
TOTAL LIABILITIES & EQUITY	**625,989.32**

3G Water Supply Corporation
Income and Expense
September 2022

	Sep 22	Feb - Sep 22
Income		
5% Late Charge	185.94	1,484.50
Careflight	223.00	1,738.95
Connect Fees	0.00	50.00
Interest Income	0.00	395.25
Membership Fees	900.00	6,050.00
Miscellaneous	0.00	50.00
NSF Fee	0.00	150.00
Reimbursements	0.00	7,744.00
Water Sales	23,855.74	168,354.38
Water Taps	0.00	6,800.00
Total Income	25,164.68	192,817.08
Gross Profit	25,164.68	192,817.08
Expense		
Administrative Expenses		
Answering Service	32.34	251.54
Bank Fees	0.00	743.31
Billing & Office Supplies	188.86	1,410.61
Careflight Customers	237.00	1,895.00
Internet	52.48	212.40
Membership Dues	0.00	550.00
Membership Refunds	0.00	366.50
Office Administration	2,602.86	15,101.54
Postage	190.41	1,551.61
Reconciliation Discrepancies	0.00	-162.09
Refund on closed acct.	279.00	279.00
Reimbursed Expenses	0.00	120.16
telephone services	0.00	1,396.95
Total Administrative Expenses	3,582.95	23,716.53
Bad Debts	0.00	66.00
Insurance Expenses		
Insurance	0.00	5,254.00
Total Insurance Expenses	0.00	5,254.00
Payroll Expenses		
Federal Unemployment Tax	0.00	84.00
Total Payroll Expenses	0.00	84.00
Professional Fees		
Annual Report	0.00	187.18

3G Water Supply Corporation
Income and Expense
September 2022

	Sep 22	Feb - Sep 22
Engineering Project fees	0.00	14,687.10
Professional Fees - Other	204.10	204.10
Total Professional Fees	204.10	15,078.38
System Expenses		
Chemicals	0.00	809.15
Communications	0.00	94.96
Electricity	466.32	3,712.40
Equipment	0.00	2,799.46
Grounds Maintenance	1,660.00	2,485.00
Laboratory	89.60	2,967.17
Maintenance, Yearly	0.00	1,123.42
Parts & Supplies	184.51	5,442.81
Replacement & Repair	0.00	15,864.53
Routine Operations	6,197.51	42,931.34
Waste Services	0.00	279.19
Well Monitoring	25.00	192.00
Total System Expenses	8,622.94	78,701.43
Total Expense	12,409.99	122,900.34
Net Income	12,754.69	69,916.74

	A	C	D	E	F	G	H	I	J	K	L	M
1	Meeting 10/10/22											
2	**Vendor**	**Jan. 2022**	**Feb. 2022**	**Mar. 2022**	**Apr. 2022**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Notes**
3												
4	Ace Hardware	$ -	$ -	$ 205.90			$ 233.20			$ 3.50		
5	AIA Insurance						$ 5,254.00				$ 5,254.00	
6	Aqua Tech	$ 20.00	$ 21.00	$ 42.00	$ -	$ 21.00	$ 21.00	$ 21.00	$ 21.00	$ 25.00	$ 25.00	
7	Brenntag SW	$ 281.11						$ 323.86				
8	Bullock, Bennett, & Assoc	$ -	$ -	$ 14,407.80					$ 279.30			engineering
9	Central Texas Electric	$ 318.74	$ 539.23	$ 561.68	$ 561.68	$ 390.53	$ 423.74	$ 535.79	$ 476.37	$ 466.32	$ 358.19	EFT
10	Chem Equip Services									$ 1,660.00		
11	Careflight	$ 242.00				$ 234.00	$ 234.00	$ 235.00	$ 237.00	$ 237.00	$ 236.00	
12	Core & Main			$ 447.57								
13	Customer Deposit Refunds						$ 566.50	$ 350.00		$ 279.00	$ 350.00	
14	DHSH Central Lab	$ -	$ -	$ -	$ -	$ 55.36	$ 1,048.12		$ 106.96	Voided Dbl Pmt	$ 163.73	
15	Enhanced Analysis	$ 133.36	$ 133.12	$ 122.50	$ 135.61	$ 131.97	$ 133.06	$ 44.07	$ 41.98			EFT
16	Ferguson WW						$ 1,754.03	$ 1,088.53				
17	Fleet Maintenance	$ -	$ -	$ -	$ 2,799.46							
19	Fluid Meter										$ 500.00	
20	Frontier	$ 221.51	$ 218.95	$ 218.95	$ 218.95	$ 221.95	$ 154.33	$ 179.68	$ 184.14			EFT
21	Hach		$ 230.93			$ 239.40						
22	IRS	$ 84.00										
23	PGMS	$ 11,062.66	$ 13,056.10	$ 10,068.55	$ 9,283.30	$ 9,169.54	$ 10,215.68	$ 8,943.15	$ 10,218.70	$ 9,686.69	$ 10,693.43	
24	Tim's Landscaping					$ 250.00		$ 575.00			$ 370.00	
25	TRWA											
26	Texas Workforce Comm.	$ 3.98										EFT
27	Waste Management				$ 16.11				$ 263.08			
28	Zeecon Wireless	$ 94.96				$ 32.48	$ 42.48	$ 42.48	$ 42.48	$ 52.48	$ 42.48	EFT
29	**Totals**	**$ 12,462.32**	**$ 14,199.33**	**$ 26,074.95**	**$ 13,015.11**	**$ 10,746.23**	**$ 20,080.14**	**$ 12,338.56**	**$ 11,871.01**	**$ 12,409.99**	**$ 17,992.83**	
30												
31	*											

Professional General Management Services, Inc.
Water Utility Management, Project Management
Planning, Training, Consulting
26550 Ranch Road 12, Suite 1 * Dripping Springs, Texas 78620 * (512) 894-3322 * fax (512) 858-1414

Memorandum

To: Nancy Stanford, President
Governing Board of Directors
3G Water Supply Corporation
From: Patric C. King, General Management
Subj: System Operations and Management Report
Date: October 10, 2022

Dear President Stanford, et al.

Professional General Management Services, Inc. (PGMS, Inc.) is pleased to provide the following information relating to water system management for the period ending September 2022.

I. **Water Operations Report**:

A. Water Accountability/Pumping Report.

Period Ending	Gallons Pumped (+)	Gallons Sold (-)	Gallons Flushed/Leaks (-)	Gallons Accounted For	Net Water Loss
Jan. 2022	928,700	620,590	51,300	671,890	256,810 (27.65%)
Feb. 2022	1,109,200	709,960	380,400	1,090,360	18,840 (1.7%)
Mar. 2022	1,111,900	707,840	280,200	988,040	123,860 (11.14%)
April 2022	1.397,000	962,510	118,474	1,080,984	316,016 (22.62%)
May 2022	1,381,000	914,790	51,160	965,950	415,160 (30.06%)
June 2022	1,738,300	1,298,660	77,140	1,375,800	362,500 (20.85%)
July 2022	1,828,400	1,487,750	222,365	1,710,115	118,285 (6.47%)
Aug. 2022	1,461,900	1,192,590	38,900	1,231,490	230,410 15.76%
Sept. 2022	**1,102,900**	**905,230**	**37,000**	**942,230**	**160,670 (14.57%)**
Oct. 2021	810,400	661,300	32,200	693,500	116,900 (14.43%)
Nov. 2021	877,700	696,290	32,000	728,290	149,410 (17.02%)
Dec. 2021	718,600	574,080	9,200	583,280	135,320 (18.83%)

(Gallons Pumped) - (Gallons sold) - (Estimated Gallons flushed)
= (Net Water Loss) / Gallons pumped = Percentage water loss

B. **Water Leak & Repair Report.**

Location	Date Repaired	Est. Gallons lost	Comments
1. Process water	Continuous	13,900	
2. Routine flushing	various	23,100	

Meters read

An itemized listing of water loss from leaks and flushing is attached to this report. Total estimated gallons lost (leaks / flushing) but accounted for this period **37,000 Gallons.**

(For frame of reference, a 5-gallon per minute leak over a 24-hour period totals 7,200 gallons/day, or 216,000/ month.)

C. **System Report:**

1. Monthly Bacteriological Testing.
   The routine monthly bacteriological sample (1 ea.) was submitted for testing this period resulting in no coliform organisms found.

II. **Systems Accounts**. Water Customer Account Summary. Below recaps dollars (*$$*) billed.

		Current Period (September 2022)	# Of Accts.		Previous Period (August 2022)	# Of Accts.
1.	Active Connections					
2.	Water Billed ($)	$ 20,476.95	268		$ 22,754.50	268
3.	Renters Deposit					
4.	CSI Fee					
5.	Late fees assessed	$ 154.09	27		$ 200.07	28
6.	Connect/Reconnect fees					
7.	Adjustments (See adjustments report)	$ 200.00	6		-$ 228.60	5
8.	Tap fees paid					
9.	Payment Plan		1		$ 98.28	1
10.	Regulatory assessments					
11.	Total Membership fees	$ 700.00	2		$ 700.00	2
12.	Transfer Fee					
13.	Care Flight	$ 236.00	236		$ 237.00	237
14.	**Total current charges**	**$ 21,767.04**	**268**		**$ 23,761.28**	**268**

(See *Systems Totals & Adjustments Reports* attached)

III. Significant Events:

A. Banking Changes.

The signature card has been prepared by the bank for all signers to sign. Once that is completed, the account can then be opened with Lone Star Capital Bank. This signature card was supposed to have been picked up at the bank today. However, today appears to be a banking holiday so we are unable to bring this to this evening's meeting. Perhaps other arrangements can be made to meet with all signers prior to next month's meeting.

B. Investment Policy

A formal Investment Policy is needed in order to open an account with TexStar Investment Pool. Management has drafted an investment policy for consideration and approval. *(Please see DRAFT Investment Policy Attached)*

C. Generator Status

We continue to wait for scheduling information from 5-S Services. We are informed that parts are now in hand.

D. Meeting for Line Replacement Project.

A computer meeting was held on October 5, 2022. Attendees included Dan Bullock, P.E. & Buster with Bullock Associates, President Stanford, Directors Andruk and Richardson, Timothy Young and Patric King with PGMS, Inc. The meeting was to gain a better understanding of the project and the opinion of estimates costs to install a new six-inch water line across the lake to serve Golden Beach subdivision. Notes from that meeting are attached to this report. *(See email from Director Jay Andruk dated October 6, 2022).*

E. Compliance Inspection of 9/27/2022

TCEQ performed a Comprehensive Compliance Investigation throughout the distribution system and treatment plant on September 27, 2022. There were no issues or violations concerning water quality or the distribution system. However, there were some violations and Other Issues pertaining to the treatment plant monitoring. *(Please see TCEQ Exit Interview dated October 5, 2022).*

Alleged Violations include:

- Failure to notify the Executive Director prior to making any significant changes or addition to the system's production, treatment, storage or distribution facilities.
    - Wells 1, 2, 3, and 4 have all been plugged
    - Wells 5, 6, 7, and 8 have been added
    - A second water filter has been added
    - A 2,500-gallon pressure storage tank has been added
    - The system's engineers should complete as-built drawings of the current water treatment plant equipment. Those drawings will then be provided to the TCEQ for approval.

- Flow-measuring devices shall be provided for each well to measure production yields and provide for the accumulation of water production data.
    - There is currently only one meter for all wells.
    - The system should have individual meters installed at each well head. Then have those meters calibrated annually.
- Benchtop turbidimeter shall be calibrated at least once every ninety days with primary standards that have been verified for accuracy and not expired.
    - New calibration standards have been ordered to replace expired standards.
- Failure to take two entry point grab samples per day for disinfectant residuals. The PWS was taking one instantaneous chlorine residual measurement.
    - The PWS should repair or replace the existing chart graph recorder that documents disinfectant residual levels provided by the Entry Point CL-17 online chlorine analyzer.
- Failure to continuously monitor the turbidity of the combined filter effluent and record the turbidity value every 15 minutes. Additionally, the system must measure and record the turbidity level at the effluent of each filter at least once per day the plant is in operation.
    - The system should have installed one chart graph recorder to document the CFE turbidity value provided by the existing HACH 1720-E online turbidity analyzer.
    - Updates to the systems routine operation and data recording log sheets have been made to include results from grab samples taken from each filter once per day.

Other Issues noted during the inspection include:

- The plant operates unattended at times and so must be monitored with automatic operator alarms for elevated turbidity and low chlorine residual, as well as plant shutdowns for turbidity of 1.o NTU or residual below 0.2 mg/L.
    - The system should integrate the required online process monitors to the systems alarm and auto-dialer to alert operators of treatment issues. Additionally, plant lockouts should be added to shut down the treatment plant if the pre-described conditions arise.
- The most recent meter calibration conducted for the combined well production meter shows an 86% accuracy.
    - This meter should be repaired to within 5% accuracy or replaced.
- During the investigation, the investigator noted a small wet spot at the bottom of one of the ground-storage tanks closest to the admin building.
    - There may be a small leak/weep on the floor of the tank. The area around the tank has remained damp. PGMS will research repair options.
- Maintain and work to prevent further corrosion of the water system's wells to ensure the good working condition and appearance of the system's facilities.
    - All wells should be recoated to prevent further corrosion
    - Small leaks should be repaired on wells 8 and 9
- Instantaneous flow measurement is required. The plant has only one totalizer flow meter on the raw water line.
    - Updates to the systems routine operation and data recording log sheets have been made to include the instantaneous flow rate of the combined totalizer meter.

- To accurately report turbidity data when the plant is filtering water, there must be a record of the exact times when the well pumps turn off and on.
    - PGMS has requested clarification of the need for exact times the pumps were off and on. The system may be required to add equipment that will record the required data. We are asking if the total hours run will suffice.

F. TCEQ Surface Water Monthly Reporting.

On or about September 22, 2022, TCEQ performed a site visit to the plant to go over new monthly reporting requirements. The new requirements are triggered due to the population count exceeding 500. The new requirements are likely to require installation of continuous monitoring equipment, which is outlined in the Exit Interview Form. *(See TCEQ email dated September 23, 2022).*

G. Insurance Renew

We have received the documents to renew the insurance policy with AIA Insurance Agency. The schedule of value have been revised based on current replacement costs totaling $441,980. These values were last updated in 2019. This increases the premium this period to $5,254.00, from last year's premium of $4,381.00. *(See current Schedule of Values attached).*

H. Sale of surplus 4-inch HDPE.

Lat month it was reported that the City of Granite Shoals intends to purchase the surplus 4-inch HDPE piping for the purchase price of $8,710.00. Arrangements were made for the City to pick these materials up at the plant. However, the City has not yet paid for nor has made additional arrangements to pick up the pipe. We stand ready to assist with this transaction when the City is ready.

I. Credit Card Payment System.

There has been a steady increase in the members using the credit card payment system. For the month of September, $5,769.71 in payments were collected from 58 members. *(See Credit Card Transactions Report Attached).*

Enclosures/ DRAFT Investment Policy.
Email from Director Andruk dated October 6, 2022.
TCEQ Exit Interview dated October 5, 2022).
TCEQ email re: new Reporting Requirements, September 22, 2022
Insurance current Schedule of Values, 2022
Systems Totals Report for September 2022 (three routes)
Adjustments Report for September 2022
Leak & Flushing Report, September 2022
Credit Card Usage Report, September 2022

Patrick King

To: Tim Young
Subject: FW: Golden Beach Waterline Update

From: Jason Andruk <jay_andruk@yahoo.com>
Sent: Thursday, October 6, 2022 8:43 AM
To: NJ Stanford <nancy.jo.stanford@gmail.com>
Cc: Cody Jansa <cjansa223@hotmail.com>; Annette Chamberlain <achamberlain360@live.com>; Mark Richardson <iammarkr@gmail.com>; Jlehandyman <jlehandyman@gmail.com>; EJ Bible <ejbapm@gmail.com>; Patrick King <pck@pgms.net>; Collins King <collinsking@austin.rr.com>
Subject: Golden Beach Waterline Update

Good morning board! Nancy, Mark and I met with PGMS and the engineering firm for about an hour yesterday afternoon and I think we have more clarity on the situation now. Below are some notes Nancy and I put together from the meeting and hope you can all find 15 minutes to carefully review so that everybody has solid background info for a productive discussion Monday night that doesn't drag on too long. If you have any specific questions about the meeting, please reach out to me, Nancy, or Mark before Monday night's meeting if possible. And Mark, please add anything we missed!

10–5-2022 MEETING NOTES:

1) We got clarification that encasement or double walled pipe under Jerkers Cove is not an option due to cost, construction complications, buoyancy, and future repair complications for a run that long.

2) We learned that Chapman Marine is not going to lower the cost much if it's on dry land vs covered in water, so there's no need to rush the project due to water level if we stick with Chapman as the vendor. There is a savings, just not enough to merit rushing the project

3) We discussed the 2 practible options they have outlined

Option 1: Over land - Minimum estimate $720,000 - there was high confidence that the multi-million dollar estimate range presented in last months meeting was not probable and reflected having to blast solid granite along the whole route.

Option 2:Through Cove - Estimate $480,000 with $10K per year additional testing

4) We also touched on a couple of alternatives to replacing the line:

A) Corix is set up as the permanent wholesale water supplier for Golden Beach

long term, when the current waterline fails and repairs are no longer viable ir cost prohibitive. (2019 underwater repair came in about $20,000)

B) We raise prices to raise money through water rate increases and fees over time to install the transmission line eventually,
falling back on Corix when the current waterline fails.

***Any rate changes are going to be highly controversial with membership.
We need to discuss as a group, do some research, and get some firm numbers before we start discussing anything like that. No need to cause undue panic.

NEXT STEPS:

1) Get board member feedback and make sure everyone is in the loop. (Monday's meeting)

2) Pin down Corix wholesale options (Nancy and I are on that already)

3) Directly reach out to Philip Wolf at Chapman Marine and get an updated quote. Nancy has spoken to Philip a few times when I made a reply to TCEQ and had to shut down the project. He is knowledgeable and helpful.

4) Get a quote from at least one more company to lay the line across the lake and/or down the road. (I can get to work on that. Suggestions are welcome!)

5) We need an analysis of 3G profits derived from Golden Beach customers.
Then we can determine how buying water from Corix at wholesale would impact 3G's income. As well as how long it will take to make up the expense of replacing the transmission line. (Will assign to Patrick worh PGMS)

6) We will need to project the repairs costs we might expect to see if we do nothing while we attempt to raise enough money to pay for the transmission line.

Jay Andruk

TCEQ EXIT INTERVIEW FORM: Potential Violations and/or Records Request

Regulated Entity/Site Name	3 G WSC				**TCEQ Add. ID No. RN No (optional)**	1500006	
Investigation Type	PWS	**Contact Made In-House (Y/N)**	Y	**Purpose of Investigation**	Comprehensive Compliance Investigation		
Regulated Entity Contact	Mr. Mark Labounty			**Telephone No.**	512-751-9135	**Date Contacted**	10/5/2022
Title	Operator			**FAX #/Email address**	mlabounty@pgms.net	**FAX/Email date**	10/5/2022

NOTICE: The information provided in this form is intended to provide clarity to issues that have arisen during the investigation process between the TCEQ and the regulated entity named above and *does not represent final TCEQ findings related to violations*. Any potential or alleged violations discovered after the date on this form will be communicated to the regulated entity representative prior to the issuance of a notice of violation or enforcement. Conclusions drawn from this investigation, including additional violations or potential violations discovered (if any) during the course of this investigation, will be documented in a final investigation report.

Issue		**For Records Request, identify the necessary records, the company contact and date due to the agency. For Alleged and Potential Violation issues, include the rule in question with the clearly described potential problem. Other type of issues: fully describe.**	
No.	**Type[1]**	**Rule Citation (if known)**	**Description of Issue**
1	AV	30 TAC 290.39(j)	**Failure to notify the executive director prior to making any significant change or addition to the system's production, treatment, storage, or distribution facilities.** Specifically, four wells (A, B, C, D) have been plugged, four wells (G, H, I, J) have been added, one additional filter has been added, and one 2,500-gallon pressure tank has been added since the most recent CT study was approved on August 1, 1996. Additionally, the micron filters the water system is currently using have not been approved by the TCEQ.
2	AV	30 TAC 290.41(c)(3)(N)	**Flow-measuring devices shall be provided for each well to measure production yields and provide for the accumulation of water production data.** The system currently has one meter for all four wells.
3	AV	30 TAC 290.46(s)(2)(B)(i)	**Benchtop turbidimeters shall be calibrated at least once every 90 days with primary standards that have been verified for accuracy and not expired.**
4	AV	30 TAC 290.110(c)(1)(B)(i)	**Failure to take 2 entry point grab samples per day for disinfectant residuals. The PWS was taking one instantaneous chlorine residual measurement.** A system that serves a population of 500-1,000 must collected and record at least two disinfectant residual samples from the entry point each day that the system serves water
5	AV	30 TAC 290.111(e)(3)(D)(i), 290.111(e)(3)(D)(ii)	**Failure to continuously monitor the turbidity of the combined filter effluent and record the turbidity value every 15 minutes. Additionally, the system must measure and record the turbidity level at the effluent of each filter at least once each day the plant is in operation.** Turbidity is not being recorded every 15 minutes - system does have a Hach sc200 on-site that is capable of recording this data, but Hach needs to set this feature up.
6	O		The plant operates unattended at times and so must be monitored with automatic operator alarms for elevated turbidity and low chlorine residual, as well as plant shutdowns for turbidity of 1.0 NTU or residual below 0.2 mg/L. If there is a way to make sure the plant does not operate while unattended, the alarms and shut-down requirements do not apply.
7	O		The most recent meter calibration conducted for the total well production meter shows an 86% accuracy. This meter should be replaced or recalibrated so that it is +/- 5% accuracy.
8	O		During the investigation, the investigator noted a small wet spot at the bottom of one of the ground storage tanks closest to the admin office. This should be inspected and repaired so that a major leak does not occur.

If you have questions about any information on this form, please contact your local TCEQ Regional Office.
Please contact the agency's public information officer with any requests, questions, or comments on access to records or information at 512-239-0800.

9	O		Maintain and work to prevent further corrosion of the water system' wells to ensure the good working condition and appearance of the system's facilities. System should paint their well casings with a non-toxic coating to ensure that it does not rust away to the point of metal failure. Additionally, two of the wells (Well H and I) had minor leaks that should be repaired to minimize water loss.
10	O		Instantaneous flow measurement is required. The plant has only one totalizer flow meter on the raw water line. The system shall install a flowmeter that measures both total and instantaneous flow and report the instantaneous flow reading each time CT data is collected, OR time the dial on the totalizer flowmeter for one minute.
11	O		To accurately report turbidity data when the plant is filtering water, there must be a record of the exact times when well pumps come on and when they turn off.

Note 1: Issue Type Can Be One or More of: AV (Alleged Violation), PV (Potential Violation), O (Other), or RR (Records Request)

Did the TCEQ document the regulated entity named above operating without proper authorization?	☐ **Yes**	☒ **No**
Did the investigator advise the regulated entity representative that continued operation is not authorized?	☐ **Yes**	☒ **No**

Document Acknowledgment. Signature on this document establishes only that the regulated entity (RE) representative received a copy of this document and associated continuation pages on the date noted. If contact was made by telephone, the document will be sent via FAX or Email to RE; therefore, the RE signature is not required.

Investigator Name (Signed &Printed) **Charlotte Pope** Charlotte Pope	**Date** 10/5/2022	**Regulated Entity Representative Name (Signed & Printed)**	**Date**

If you have questions about any information on this form, please contact your local TCEQ Regional Office.
Please contact the agency's public information officer with any requests, questions, or comments on access to records or information at 512-239-0800.

Patrick King

Subject: FW: 3 G WSC SWMOR Assistance - 9/22/2022

Importance: High

From: Christina Dupont <Christina.Dupont@tceq.texas.gov>
Sent: Friday, September 23, 2022 3:52 PM
To: mlabounty@pgms.net; timothy@pgms.net; pck@pgms.net
Cc: SWTR <SWTR@tceq.texas.gov>; Kasy Stinson <Kasy.Stinson@tceq.texas.gov>; Donald Hunter <Donald.Hunter@tceq.texas.gov>; Tammy Jarocki <Tammy.Jarocki@Tceq.Texas.Gov>; David Elkins <David.Elkins@tceq.texas.gov>; Charlotte Pope <Charlotte.Pope@tceq.texas.gov>
Subject: 3 G WSC SWMOR Assistance - 9/22/2022
Importance: High

Mark,

Thank you for your time yesterday. I am glad to have had the opportunity to work with you. Before I dive into the details of what we discussed yesterday, I wanted to remind you of the most important points first. Based on the increase in population over 500, 3 G WSC has additional monitoring and reporting requirements associated with filter effluent turbidity and plant on/off monitoring. There are also TCEQ approval letters that need to be obtained as soon as possible. These important items are –

1. Remote operation controls/Automated Alarms and Shut-downs
    a. The plant operates unattended at times and so must be monitored with automatic operator alarms for elevated turbidity and low chlorine residual, as well as plant shut-downs for turbidity of 1.0 NTU or residual below 0.2 mg/L. These features protect public health when an operator is not present.
    b. If there is a way to make sure that the plant does not operate while unattended, the requirement to have alarms and shut-downs does not apply.

2. See the Combined Filter Effluent (CFE) Monitoring section below.

3. An updated Concentration Time (CT) Study
    a. The current CT Study was issued in 1996. There have been well, pump and treatment unit changes, not to mention TCEQ letter updates, that have occurred since then. Please complete an updated CT Study using the CT Study Template found here.

4. Harmsco Filter Information

a. There is no documentation or correspondence from TCEQ to 3 G WSC that officially approves the use of your Harmsco filters. As soon as possible, retrieve Challenge Study documentation from Harmsco for the filters that you currently have installed and forward that documentation to TCEQ at PTRS@tceq.texas.gov.

5. If you have not already, please email the Bag, Cartridge page of the August 2022 SWMOR to SWTR@tceq.texas.gov.

Since the system has only one operational GUI well, you may want to revisit the need to use that well as a primary source. If you are able to meet capacity with the other primary groundwater wells, the need to perform this additional monitoring does not apply.

For questions or concerns associated with this email please contact me, at christina.dupont@tceq.texas.gov or the SWMOR compliance team, at SWTR@tceq.texas.gov.

Here is a summary of the GUI compliance monitoring and reporting details we discussed/performed –

Current Version of the Surface Water Monthly Operating Report (SWMOR)

- We downloaded a new SWMOR, customized the form for your plant and saved it to your desktop in a folder named "new swmor 2022".
    - You can always download the most recent version of the SWMOR from the SWMOR webpage. I recommend you do this annually.

Raw Water Monitoring

- Once each day that the plant is online, there should be a raw water sample collected (from before the filters) and analyzed for turbidity and alkalinity. This data is then entered on P.2 of the SWMOR.
    - Until the 2100Q can be calibrated, you will not be able to collect and measure grab samples. Report "ND" for each cell on P.2 Raw Water Analyses of the SWMOR until grab samples can be analyzed.

Benchtop Turbidimeter Calibration

- Primary and Secondary standards required – a benchtop turbidimeter must be calibrated at least every 90 days with primary standards and checked with secondary standards each time a set of samples is analyzed
    - At the time of my visit, the standards for the 2100Q were expired. Make sure a set of primary and secondary standards are ordered.

Individual Filter Effluent (IFE) Monitoring

- Turbidity from each individual filter is required – at least once each day a grab sample must be collected from the effluent line of each filter, while the filter is filtering water, and measured for turbidity using a benchtop turbidimeter. If only one sample is collected each day, report that reading. If more than one sample is collected each day, report the highest reading. This turbidity reading is reported on the Bag, Cartridge page of the SWMOR.
    - Until the 2100Q can be calibrated, you will not be able to collect and measure grab samples. Report "ND" for each cell on the Bag, Cartridge page of the SWMOR until grab samples can be analyzed.

Combined Filter Effluent (CFE) Monitoring

- Turbidity from the combined effluent stream of all filters must be continuously monitored, recorded every 15 minutes, and readings must be reported every 4 hours – because the plant operates continuously, unattended, and serves a population greater than 500, the CFE turbidity must be reported on P.2 of the SWMOR every 4 hours (CFE columns 1-6).
    - At the time of my visit, there was no 15-minute turbidity record and so No Data (ND) should be reported in most CFE columns on P.2 of the SWMOR. CFE turbidity readings recorded on the hand-written operator log sheet may be reported in the representative CFE column on P.2.
    - The plant must find a way to record the CFE turbidity every 15 minutes. Your Hach sc200 is capable of recording this data. Contact Hach as soon as possible to set up this feature. Once this is set up, the operator can use an SD card to download the 15-minute record each day and use that record to report CFE turbidity at 4 hour intervals (CFE1 = midnight to 4 AM; CFE2 = 4 AM to 8 AM; CFE3 = 8 AM to 12 PM; CFE4 = 12 PM to 4 PM; CFE5 = 4 PM to 8 PM; CFE6 = 8 PM to midnight).
    - Since the plant is not set up to monitor IFE at 15-minute intervals, you must find and report the highest CFE turbidity reading for each 4 hour period, recorded in the 15-minute record.

Plant On/Off Monitoring

- To accurately report turbidity data when the plant is filtering water, there must be a record of the exact times when well pumps come on and when they turn off. If this plant operation record does not exist, every recorded turbidity reading is eligible for compliance reporting. In other words, elevated turbidities that do not accurately represent when the plant was in operation must be reported as "real data" on the SWMOR, leaving the system vulnerable to violations that cannot be disproven.

Disinfectant Residual Monitoring

- At least 2 entry point residual samples are required – a system that serves a population of 500-1,000 must collected and record at least two disinfectant residual samples from the entry point each day that the system serves water
    - At the time of my visit, only one entry point disinfectant residual sample was recorded each day. This frequency increased with the increase in population above 500.

Flow Monitoring

- Instantaneous flow measurement is required -- The plant has only one totalizer flow meter on the raw water line. To report the instantaneous flow measurement for CT calculation on P.4&5 of the SWMOR there are two options –
    - Install a flowmeter that measures both total and instantaneous flow and report the instantaneous flow reading each time CT data is collected, **OR**
    - Time the dial on the totalizer flowmeter for one minute. Multiply the gallons per minute (gpm) observed during your test by 1,440 (minutes per day) to manually calculate instantaneous flow in gallons per day (gpd) each time that CT data is collected.

Christina DuPont
Texas Optimization Program & Response Team | TCEQ Water Supply Division
Office: 512-239-0537 | **Mobile**: 737-296-5043 | **Fax**: 512-239-6050

For information on any public water system in Texas, visit Drinking Water Watch.

INSURANCE AGENCY
A DIVISION OF WINSTAR INSURANCE GROUP

Three G Water Supply Corporation

Reviewed: 05/09/22

Loc.	Description	Building	Contents	Changes Needed
#1	**Water Plant - Willow Street @ Water, Llano Co., TX 78609**			
	GPS Latitude, Longitude: 30.797923, -98.467565			
1-1	Wood Office & Shop/Contents	$41,600	$16,120	
1-2	CB Pump House & Control Bldg/Contents	$5,200	$60,320	
1-3	Portable Bldg/Contents	$1,040	$1,560	
1-4	Wood Filter Bldg/Contents	$520	$3,120	
1-5	21,000 Gallon Storage Tank	$52,500		
1-6	21,000 Gallon Storage Tank	$52,500		
1-7	21,000 Gallon Storage Tank	$52,500		
1-8	5,000 Gallon Pressure Tank	$35,000		
1-9	Turbidity System w/PH Meter	$12,000		
1-10	Fence	INCLUDED		
1-11	5,000 Gallon Pressure Tank	$35,000		
#2	**Well Site #3 & #8 - Willow Street - Greenwood Acres Park, Llano Co., TX 78609**			
	GPS Latitude, Longitude:			
2-1	Submersible Pump @ Well #8	$15,000		
2-2	Fence @ Well #8	INCLUDED		
2-3	1.5 HP Submersible Pump & Well #3	$15,000		
2-4	Fence @ Well #3	INCLUDED		

13625 RONALD W REAGAN BLVD, BUILDING 3, SUITE 100 • CEDAR PARK, TEXAS 78613
PHONE: 1-800-252-9435 • FAX: 512-448-9929 • WEBSITE: WWW.AIAINSAGENCY.COM • EMAIL: INFO@AIAINSAGENCY.COM

#3	Well Site #6, #7 & #9 - Hwy 261 @ Cactus St., Greenwood Acres S-Div. Llano Co., TX 78609			
GPS Latitude, Longitude: 30.799029, -98.473035				
3-1	2 - 1.5 HP Submersible Pump	$10,000		
3-2	Control Panel w/Cover	$1,000		
3-3	3 HP Submersible Pump #7	$15,000		
3-4	Control Panel w/Cover #7	$1,000		
3-5	Fence	INCLUDED		
3-6	3 HP Submersible Pump	$15,000		
3-7	Control Panel w/Cover	$1,000		

AIA INSURANCE AGENCY
A DIVISION OF WINSTAR INSURANCE GROUP

	Buildings	Contents
Total	$ 360,860	$ 81,120

Total Blanket Insurance:	$ 441,980

Signature: _____

Date: _____

Comments:
4% INFLATION GUARD: A 4% increase has been added to the value of the property schedule to better protect against the impact of inflation. The 4% increase will be applied on every renewal and is reflected on the property schedule provided. While this will not prevent the possibility of being under-insured, it will help mitigate the potential in the event of a loss. You always have the ability to adjust the values up or down in accordance with your knowledge of your system.
Our underwriter's are also requesting GPS coordinates. Please review location 2. Thank you for your assistance!

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10/5/2022 2:51:18PM

Reprinted for: 9/30/2022

Directors Report

3G WATER SUPPLY CORP.

Water Pumped This Month	**1,102,900**	**Gallons**
Water Sold This Month	**905,230**	**Gallons**
Water Used for Fire and Flushing Line	**37,000**	**Gallons**
Water Loss	**160,670**	**Gallons**
Water Loss (%)	**14.57**	**%**

	Amount ($)	# Of Accounts
Total Water	20,476.95	268
Total Late Charge	154.09	27
Total Adjustments	200.00	6
Total CareFlite	236.00	236
Total Membership fee	700.00	2
Total Current Charges	**21,767.04**	**268**
Amount Past Due 1-30 Days	1,616.85	20
Amount Past Due 31-60 Days	66.00	1
Amount Past Due Over 60 Days	203.00	2
Amount Of Overpayments/Prepayments	-6,358.00	60
Total Receivables	**17,294.89**	267
Total Receipts On Account	24,989.89	247
Net Change in Memberships	-174.26	3
Amount of All Memberships	94,695.74	271
Amount of All Deposit 2	1,650.60	12
Turned Off Accounts (Amount Owed)	107.00	12
Collection Accounts (Amount Owed)	36.86	13
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,176	285
Average Water Charge For Active Meters	76.41	268

Usage Groups Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000	0	0	0.00	0.00
40,001-50,000	0	0	0.00	0.00
30,001-40,000	1	30,120	3.33	1.84
20,001-30,000	4	88,050	9.73	5.04
10,001-20,000	13	178,860	19.76	10.38
8,001-10,000	3	26,070	2.88	1.62
6,001-8,000	16	108,410	11.98	7.04
4,001-6,000	30	149,860	16.56	10.62
2,001-4,000	86	246,180	27.20	27.30
1-2,000	87	77,680	8.58	27.13
Zero Usage	45	0	0.00	9.03
Total Meters	285	905,230	100.00	100.00

10/5/2022 2:51:18PM

Reprinted for: **9/30/2022**

Directors Report

3G WATER SUPPLY CORP.

Monthly Reconciliation

Ending Receivables (Last Month)		20,517.74
Sales this Month	+	21,567.04
Adjustments this Month		200.00
Less Payments this Month	-	24,989.89
	=	17,294.89
Total Receivables		**17,294.89**

Ending Memberships (Last Month)		96,520.60
Changes this Month		-174.26
	=	96,346.34
Total Memberships		**96,346.34**

Reprinted for: 9/30/2022

Route 1 Totals Report

3G WATER SUPPLY CORP.

Water Pumped This Month	1,102,900 Gallons
Water Sold This Month	410,730 Gallons
Water Used for Fire and Flushing Line	566,350 Gallons
Water Loss	125,820 Gallons
Water Loss (%)	11.41 %

	Amount ($)	# Of Accounts
Total Water	9,592.10	126
Total Late Charge	50.52	9
Total Adjustments	-10.00	1
Total CareFlite	110.00	110
Total Current Charges	**9,742.62**	**126**
Amount Past Due 1-30 Days	578.01	7
Amount Past Due 31-60 Days	0.00	
Amount Past Due Over 60 Days	137.00	1
Amount Of Overpayments/Prepayments	-3,581.01	25
Total Receivables	**6,876.62**	129
Total Receipts On Account	10,700.95	115
Net Change in Memberships	0.00	0
Amount of All Memberships	45,500.00	130
Amount of All Deposit 2	400.00	3
Turned Off Accounts (Amount Owed)	107.00	6
Collection Accounts (Amount Owed)	-16.50	4
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	2,998	137
Average Water Charge For Active Meters	76.13	126

Usage Groups Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000	0	0	0.00	0.00
40,001-50,000	0	0	0.00	0.00
30,001-40,000	1	30,120	7.33	3.92
20,001-30,000	0	0	0.00	0.00
10,001-20,000	8	111,150	27.06	13.75
8,001-10,000	3	26,070	6.35	3.45
6,001-8,000	3	18,860	4.59	2.66
4,001-6,000	13	65,110	15.85	9.82
2,001-4,000	41	116,130	28.27	27.78
1-2,000	48	43,290	10.54	31.85
Zero Usage	20	0	0.00	6.78
Total Meters	137	410,730	100.00	100.00

10/5/2022 1:27:30PM

Reprinted for: 9/30/2022

Route 2 Totals Report

3G WATER SUPPLY CORP.

Water Pumped This Month	417,000 Gallons
Water Sold This Month	392,280 Gallons
Water Used for Fire and Flushing Line	2,800 Gallons
Water Loss	21,920 Gallons
Water Loss (%)	5.26 %

	Amount ($)	# Of Accounts
Total Water	8,420.34	108
Total Late Charge	87.07	15
Total Adjustments	265.00	3
Total CareFlite	98.00	98
Total Membership fee	350.00	1
Total Current Charges	**9,220.41**	**108**
Amount Past Due 1-30 Days	841.51	10
Amount Past Due 31-60 Days	0.00	
Amount Past Due Over 60 Days	0.00	
Amount Of Overpayments/Prepayments	-2,054.31	27
Total Receivables	**8,007.61**	105
Total Receipts On Account	11,244.54	101
Net Change in Memberships	175.74	2
Amount of All Memberships	38,020.74	109
Amount of All Deposit 2	750.60	5
Turned Off Accounts (Amount Owed)	0.00	5
Collection Accounts (Amount Owed)	-12.64	6
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	3,472	113
Average Water Charge For Active Meters	77.97	108

Usage Groups Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000	0	0	0.00	0.00
40,001-50,000	0	0	0.00	0.00
30,001-40,000	0	0	0.00	0.00
20,001-30,000	4	88,050	22.45	12.26
10,001-20,000	3	42,580	10.85	5.99
8,001-10,000	0	0	0.00	0.00
6,001-8,000	9	63,630	16.22	9.97
4,001-6,000	13	64,840	16.53	11.22
2,001-4,000	38	108,930	27.77	29.33
1-2,000	27	24,250	6.18	20.43
Zero Usage	19	0	0.00	10.81
Total Meters	113	392,280	100.00	100.00

Reprinted for: 9/30/2022

Route 3 Totals Report

3G WATER SUPPLY CORP.

Water Pumped This Month	119,550 Gallons
Water Sold This Month	102,220 Gallons
Water Used for Fire and Flushing Line	4,400 Gallons
Water Loss	12,930 Gallons
Water Loss (%)	10.82 %

	Amount ($)	# Of Accounts
Total Water	2,464.51	34
Total Late Charge	16.50	3
Total Adjustments	-55.00	2
Total CareFlite	28.00	28
Total Membership fee	350.00	1
Total Current Charges	**2,804.01**	**34**
Amount Past Due 1-30 Days	197.33	3
Amount Past Due 31-60 Days	66.00	1
Amount Past Due Over 60 Days	66.00	1
Amount Of Overpayments/Prepayments	-722.68	8
Total Receivables	**2,410.66**	33
Total Receipts On Account	3,044.40	31
Net Change in Memberships	-350.00	1
Amount of All Memberships	11,175.00	32
Amount of All Deposit 2	500.00	4
Turned Off Accounts (Amount Owed)	0.00	1
Collection Accounts (Amount Owed)	66.00	3
Number Of Unread (Turned On) Meters		
Average Usage For Active Meters	2,921	35
Average Water Charge For Active Meters	72.49	34

Usage Groups Gallons	# Of Accounts	Usage Gallons	% Of Usage	% Of Sales
Over 50,000	0	0	0.00	0.00
40,001-50,000	0	0	0.00	0.00
30,001-40,000	0	0	0.00	0.00
20,001-30,000	0	0	0.00	0.00
10,001-20,000	2	25,130	24.58	12.25
8,001-10,000	0	0	0.00	0.00
6,001-8,000	4	25,920	25.36	14.13
4,001-6,000	4	19,910	19.48	11.75
2,001-4,000	7	21,120	20.66	18.46
1-2,000	12	10,140	9.92	31.65
Zero Usage	6	0	0.00	11.77
Total Meters	35	102,220	100.00	100.00

ADJUSTMENTS

Wednesday, October 5, 2022 12:52:45PM Reprinted For: 9/30/22

Reprinted for: 9/30/2022

3G WATER SUPPLY CORP.

ACCT. #	NAME	CODE	AMOUNT	APPROVAL	DATE
28	Reeves, Dwain D	10	($65.00)	LN	9/30/22
cust paid w/ck#7499 but was applied to acct 28-LN					
28	Reeves, Dwain D	10	$70.00	LN	9/30/22
cust requested credit card payment to be refunded-					
38	Henderson, Martha	10	$65.00	LN	9/30/22
ck #7499 was applied to this acct by mistake-LN					
300	MCLAUGHLIN, KEVIN/PAU	10	$65.00	LN	9/27/22
UNBILLED USAGE OF 110 GAL FOR MAY-LN					
300	MCLAUGHLIN, KEVIN/PAU	10	$65.00	LN	9/27/22
UNBILLED CHARGES FOR JUNE 0 USAGE-LN					
300	MCLAUGHLIN, KEVIN/PAU	10	$65.00	LN	9/27/22
UNBILLED USAGE 470 GAL FOR JULY-LN					
300	MCLAUGHLIN, KEVIN/PAU	10	$65.00	LN	9/27/22
UNBILLED USAGE 70 GALS FOR AUG-LN					
	7 Total Adjustments	**$330.00**	**For Adjustment 10**		
186	Wolf, Michael	16	($10.00)	lN	9/19/22
per cust not late-LN					
	1 Total Adjustments	**($10.00)**	**For Adjustment 16**		
240	Golden Beach POA Park	28	($30.00)	LMA	9/30/22
Should Not have been Charged LMA / LN					
240	Golden Beach POA Park	28	($30.00)	LN	9/30/22
POA Park adjustment-LN					
241	Geola POA Park	28	($60.00)	LN	9/30/22
POA Park adjustment for 2 months-LN					
	3 Total Adjustments	**($120.00)**	**For Adjustment 28**		

10. 330.00 Other adjustment
16. (10.00) Remove late fee
28. (120.00) Adjustment for poa park

6 Accounts 11Total Adjustments $200.00

All Customers

***** **Professional General Management**

3G Water

SEPT 22

Site	Address	Flush Duration (Minutes)	Outlet Size (Inches)	Average Flow (GPM)	Water Flushed (Gallons)	Cl2 Residual (mg/L)	Date	Operator
1	505 Willow GW	15.0	2.0	80	1,200	0.90	9/15/2022	msl
2	202 Willow GW	10.0	2.0	80	800	1.20	9/15/2022	msl
3	114 N. Greenwood GW	20.0	2.0	80	1,600	1.50	9/15/2022	msl
4	221 Lake Loop GW	15.0	2.0	80	1,200	1.20	9/15/2022	msl
5	230 Panorama GEO	25.0	2.0	80	2,000	1.20	9/15/2022	msl
6	Baja Pass GEO	30.0	2.0	80	2,400	1.11	9/15/2022	msl
7	!00 Blue Sky Way GB	20.0	2.0	70	1,400	0.97	9/15/2022	msl
8	South Summit tr GB	20.0	2.0	70	1,400	0.86	9/15/2022	msl
9					0			
10					0			
11	Plant Processing water				25,000			msl
12					0			
14					0			
15					0			
16					0			
17					0			
18					0			
19					0			
20					0			
	Totals	155.0			37,000			
	Averages	19.4	2.0	78	1,947	1.12	**Sites**	8
	Maximums	30.0	2.0	80	25,000	1.50		
	Minimums	10.0	2.0	70	0	0.86		

Transaction Summary

Description: This report gives you an overview of customer payment activity during the specified date range. The results are broken down by how the transactions were conducted - Online Profiles (your customer logged in to make a payment), Automatic payments, QuickPay payments, Phone payments, and SMS payments - with the far right column showing totals across all payment types.

Date Range: 09/01/2022 to 09/30/2022 Load Report

	Profile	QuickPay	Automatic	Phone	SMS	POS	Total
Transaction Count	22	1	19	16	0	0	58
Amount Totals	$2,225.82	$66.00	$1,451.09	$1,749.10	$0.00	$0.00	$5,492.01
Fee Totals	$111.04	$3.64	$77.05	$85.97	$0.00	$0.00	$277.70
Donation Totals	$0.00	--	--	--	--	--	$0.00