8 July 2022

Mr. Scott Sokolowski
Remedial Project Manager
Naval Facilities Engineering Systems Command, Mid-Atlantic
9324 Virginia Avenue, Building Z-144
Norfolk, VA 23511-3095

Subject: **June 2022 Monthly Operating Report**
Full Scale Liquid-Phase Granular Activated Carbon Treatment System
Liberty New York Water, Seamans Neck Road Water Plant
NWIRP Bethpage, New York
Contract No. N40085-16-D-2288, Task Order N4008518F5125

Dear Mr. Sokolowski,

The Full Scale Liquid-Phase Granulated Activated Carbon (GAC) Treatment System is located at the Liberty New York Water (LNYW), Seamans Neck Road Water Treatment Plant in Levittown, NY. The GAC System was installed at the effluent of the potable water treatment plant and consists of six GAC vessels operating in parallel to remove low levels of trichloroethene (TCE) from Well No. 3S and Well No. 4S. After processing through the GAC units, the water is treated with sodium hypochlorite and sodium tripolyphosphate before distribution. Startup of the GAC Treatment System occurred on 8 January 2015 by CH2MHill. KOMAN Government Solutions, LLC (KGS) began operation and maintenance (O&M) activities in March 2015.

In May 2018, production Well No. 3S was decommissioned and has been replaced with a new production well designated as Well No. 3A. Well No. 4S is normally in operation during the entire month, while well No. 3A is operated infrequently, typically during the periods of higher water demand.

This report documents the routine operation and maintenance of the GAC System performed during the month of June 2022. **Attachment 1** presents the field logs detailing system operating data as recorded during the month. These readings include flow rate and total flows of the overall GAC System and each GAC unit, pressures across the GAC System, effluent chlorine residual and pH values, chemical usage levels of sodium hypochlorite and sodium tripolyphosphate for each chemical tank, and chemical metering pump settings and pressures.

Electricity use is no longer monitored and recorded using the Leviton Series 2000 Multiple Meter Unit. Summary energy consumption reports will be provided separately to the Navy representative.

A summary of the system operating data recorded in June 2022 is presented below in **Table 1**.

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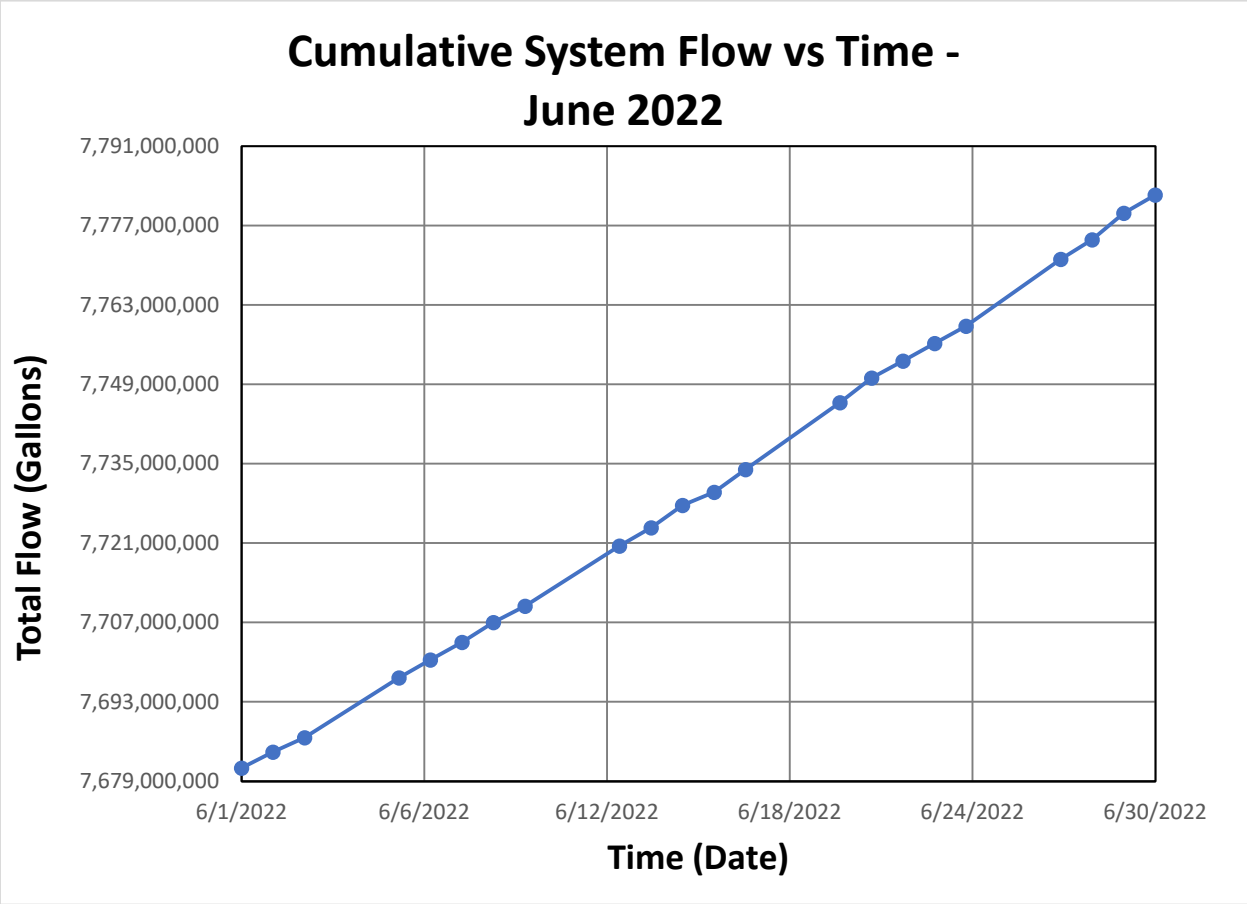
Table 1 - *System Operating Data for June 2022*

Date	Total Flow	Flow Rate	Influent Pressure	Effluent Pressure	Differential Pressure	Effluent Chlorine Residual	Effluent pH
	(Gallons)	(GPM)	(PSI)	(PSI)	(PSI)	(mg/L)[1]	(SU)[1]
6/1/2022	7,681,338,000	2,150	63	59	3.8	1.70 read 1.70 manual	6.40 read
6/2/2022	7,684,178,000	2,200	55	51	4.1	1.67 read 1.65 manual	6.70 read
6/3/2022	7,686,677,000	3,150	84	76	8.1	1.66 read 1.64 manual	6.60 read
6/6/2022	7,697,276,000	2,050	65	60	4.3	1.68 read 1.65 manual	6.50 read
6/7/2022	7,700,391,000	2,000	65	60	4.9	1.75 read 1.73 manual	6.40 read
6/8/2022	7,703,532,000	3,000	89	80	7.9	1.69 read 1.67 manual	6.40 read
6/9/2022	7,707,038,000	2,000	70	65	4.8	1.89 read 1.87 manual	6.60 read
6/10/2022	7,709,912,000	3,100	77	68	8.3	1.69 read 1.88 manual	6.50 read
6/13/2022	7,720,516,000	2,250	68	64	3.8	1.76 read 1.76 manual	6.50 read
6/14/2022	7,723,737,000	3,250	81	72	9.0	1.82 read 1.81 manual	6.40 read
6/15/2022	7,727,695,000	2,250	55	50	4.0	1.72 read 1.70 manual	6.50 read
6/16/2022	7,729,999,000	2,100	57	54	4.1	1.83 read 1.80 manual	6.60 read
6/17/2022	7,733,998,000	3,300	76	66	9.8	1.66 read 1.64 manual	6.50 read
6/20/2022	7,745,802,000	2,250	55	50	4.9	1.63 read 1.61 manual	6.70 read
6/21/2022	7,750,109,000	3,250	82	71	9.7	1.61 read 1.59 manual	6.70 read
6/22/2022	7,753,139,000	2,050	67	62	4.8	1.91 read 1.90 manual	6.80 read
6/23/2022	7,756,242,000	2,050	65	60	4.8	1.85 read 1.83 manual	6.90 read
6/24/2022	7,759,275,000	3,500	70	59	11.4	1.41 read 1.40 manual	6.90 read
6/27/2022	7,771,053,000	3,175	82	71	10.8	1.85 read 1.83 manual	6.80 read
6/28/2022	7,774,473,000	2,500	96	90	7.2	1.41 read 1.39 manual	6.80 read
6/29/2022	7,779,175,000	3,250	88	76	11.0	1.68 read 1.66 manual	6.90 read
6/30/2022	7,782,412,000	3,350	78	67	11.0	1.84 read 1.82 manual	6.90 read

(1) Effluent pH and chlorine residual readings are recorded by the in-line pH meter and chlorine analyzer. Chlorine is also checked with a manual chlorine residual meter for comparison, while manual pH is only checked occasionally. Both in-line and manual readings are presented, if collected, as noted above.

Figure 1, below, illustrates the volume of water treated by the GAC System since system startup, with the increment for the month of June 2022. Over 101 million gallons of water were treated in June 2022, bringing the total cumulative volume of water treated since startup to over 7.78 billion gallons.

Figure 1 - ***Volume of Water Treated through Full Scale GAC System (June 2022)***



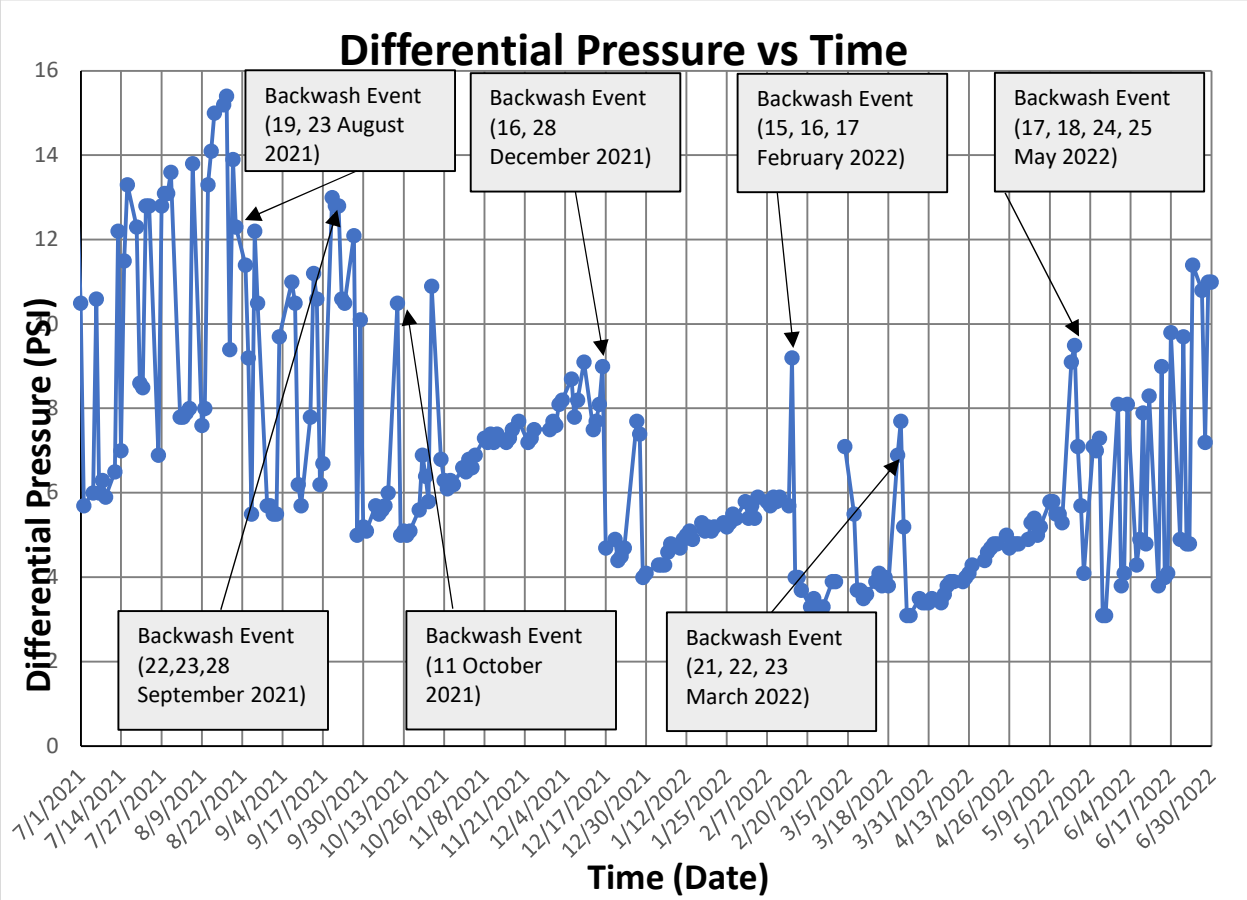
In general, differential pressure increases as the system continues to operate, and decreases after a backwashing event. The increasing trend then continues until the next backwashing event is performed. Also, lower differential pressures are observed during times of low water demand (e.g., typically over the winter months). **Figure 2,** below, depicts the pressure loss across the GAC System and subsequent backwashing dates, from July 2021 through the current reporting period.

Backwashing events during the summer and fall are performed more often because of the higher demand during that time of year. The exchange of carbon in each of the six GAC vessels with virgin coconut shell carbon was completed in August 2020 and the Seamans Neck Road facility is able to operate at full capacity. In support of the 2020 Fourth Quarter bacteria sampling conducted in December 2020, it was identified that each vessel required additional backwashing

and/or flushing prior to returning to service to address a colored water issue attributable to the remobilization of iron-impacted materials released when flow through the vessels was stopped for a mandatory 12-hour period prior to bacteria sampling, per NCDOH requirements. The additional backwashing/flushing events have been incorporated into the standard process for bacteria sampling.

The facility is operating at full design capacity and pressure loss across the overall GAC System is monitored regularly, and it is expected that backwashing events will occur on a periodic basis as needed. In addition, it is expected that backwashing of each vessel will be conducted following each quarterly bacteria sampling event to address potential colored water issues and to ensure the timely return to service for each vessel.

Figure 2 - S*ystem Differential Pressure vs. Time*



System Maintenance

Routine maintenance of the GAC System during this reporting period consisted of:

- General monitoring of the system flow rates, totalized flows, influent and effluent pressures, differential pressure, chlorine residual, and pH readings.

- Changing paper for the chlorine/pH chart recorder and flow/differential pressure chart recorder on a weekly basis.
- Calibration of the pH meter on a weekly basis.
- Periodic running of Well 3A in place of or concurrently with Well 4S had previously been initiated by NYAW; Well 3A ran concurrently with Well 4S on 3, 8, 10, 14, 17, 21, 24, 27, 29, and 30 June 2022.

In addition, the following non-routine activities or operation issues occurred during the June 2022 reporting period:

- The operator replaced various nuts/bolts on the GAC vessel hatch clamps.

Please contact me at 610-400-0636 or rgregory@komangs.com with any questions or concerns regarding this report.

Sincerely,

KOMAN Government Solutions, LLC

Robert G. Gregory
Project Manager

Cc: C. Shukis - NAVFAC
V. Varricchio - NWIRP Bethpage Facilities Management
R. Kern - LNYW
N. Niola – LNYW
J. Palmer - LNYW
P. Schauble - KGS
R. Hoffmaster – KGS
D. Brayack - Tetra Tech
J. Pelton – NYSDEC
K. Granzen – NYSDEC
M. Travis – NYSDEC

ATTACHMENT 1

O&M LOGS – JUNE 2022

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	5.25.2022	5.26.2022	5.27.2022	5.31.2022	6.1.2022	6.2.2022
System Flow Rate	GPM	2200	2300	2300	3200	2150	2200
Total System Flow	Gallons	7742784	7745553	7748866	7761215	7765210	7768050
Well 3 Status	ON OR OFF	OFF	OFF	OFF	ON	OFF	OFF
Well 4 Status	ON OR OFF	ON	ON	ON	ON	ON	ON
Tank 100 Flow Rate	GPM	550	300	300	500	300	300
Tank 200 Flow Rate	GPM	500	250	300	450	300	300
Tank 300 Flow Rate	GPM	o/c	300	350	600	400	400
Tank 400 Flow Rate	GPM	o/c	350	400	500	400	350
Tank 500 Flow Rate	GPM	450	350	300	550	350	400
Tank 600 Flow Rate	GPM	500	250	250	500	300	300
Tank 100 Total Flow	Gallons	60,938,000	61,209,000	61,586,000	64,015,000	64,601,000	64,976,000
Tank 200 Total Flow	Gallons	01,518,000	01,730,000	02,618,000	05,230,000	05,969,000	06,351,000
Tank 300 Total Flow	Gallons	84,844,000	84,007,000	84,700,000	87,920,000	88,660,000	89,157,000
Tank 400 Total Flow	Gallons	74,181,000	74,387,000	74,789,000	77,123,000	77,805,000	78,277,000
Tank 500 Total Flow	Gallons	98,607,000	98,942,000	99,821,000	02,628,000	03,366,000	03,871,000
Tank 600 Total Flow	Gallons	66,814,000	66,993,000	68,001,000	70,135,000	70,761,000	71,176,000
System Influent Pressure	PSI	59	59	60	81	63	55
System Effluent Pressure	PSI	52	56	57	74	59	51
System Differential Pressure	PSI	7.3	3.1	3.1	8.1	3.8	4.1
Chlorine Analyzer: Free Chlorine Residual - inline	PPM	1.94	1.76	1.84	1.40	1.70	1.67
Effluent Water pH - inline	Units	6.6	6.7	6.5	6.3	6.4	6.7
Manual Chlorine Reading (ex: Hach Kit)	PPM	1.92	1.74	1.82	1.42	1.70	1.65
Manual pH check (ex: Henna)	Units						

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	5.25.2022	5.26.2022	5.27.2022	5.31.2022	6.1.2022	6.2.2022
Tank 900A Hypochlorite Level	Gallons	80	70	141	125	143	112
Tank 900B Hypochlorite Level	Gallons	133	100	150	81	141	141
Tank 900C Hypochlorite Level	Gallons	143	143	152	10	140	140
Tank 900A Polyphosphate Level	Gallons	51	150	127	61	20	20
Tank 900B Polyphosphate Level	Gallons	130	130	130	125	125	101
Metering Pump 900A: Hypochlorite Output Pressure	PSI						
Metering Pump 900B: Hypochlorite Output Pressure	PSI						
Metering Pump 900A: Phosphate Output Pressure	PSI						
Metering Pump 900B: Phosphate Output Pressure	PSI						
Metering Pump 900A: Stroke/Speed	Units						
Metering Pump 900B: Stroke/Speed	Units						
Metering Pump 900A: Stroke/Speed	Units						
Metering Pump 900B: Stroke/Speed	Units						
Generator Operating Hours	Hours	176.8	176.8	177.2	177.2	177.2	177.2
Main Facility Electric Meter Reading							
Comments (additional tasks performed, maintenance needed, contractors on site, etc.)		Having trouble with Iron Backwash again (Brown water) Put 3 GACs back in service	Phos. Delv	CL Delv.		CL Delv	

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6-3-2022	6-6-2022	6-7-2022	6-8-2022	6-9-2022	6-10-22
System Flow Rate	GPM	3150	2050	2000	3000	2000	3100
Total System Flow	Gallons	7770549	7781148	7784263	7787401	7790910	7793784
Well 3 Status	ON OR OFF	ON	OFF	OFF	ON	OFF	ON
Well 4 Status	ON OR OFF	ON	ON	ON	ON	ON	ON
Tank 100 Flow Rate	GPM	500	300	300	450	250	500
Tank 200 Flow Rate	GPM	450	300	250	450	250	450
Tank 300 Flow Rate	GPM	550	400	350	500	300	550
Tank 400 Flow Rate	GPM	500	400	350	450	350	550
Tank 500 Flow Rate	GPM	550	350	350	550	350	600
Tank 600 Flow Rate	GPM	500	300	250	500	300	500
Tank 100 Total Flow	Gallons	65,328,000	66,823,000	67,270,000	67,720,000	68,213,000	68,613,000
Tank 200 Total Flow	Gallons	06,665,000	08,096,000	08,515,000	08,942,000	09,175,000	39,801,000
Tank 300 Total Flow	Gallons	89,591,000	91,514,000	92,078,000	92,647,000	93,271,000	93,780,000
Tank 400 Total Flow	Gallons	78,695,000	80,477,000	81,016,000	81,542,000	82,135,000	82,613,000
Tank 500 Total Flow	Gallons	04,290,000	06,199,000	06,762,000	07,333,000	07,961,000	88,417,000
Tank 600 Total Flow	Gallons	71,551,000	73,173,000	73,650,000	74,134,000	94,665,000	75,211,000
System Influent Pressure	PSI	84	65	65	89	70	77
System Effluent Pressure	PSI	76	60	60	80	65	68
System Differential Pressure	PSI	8.1	4.3	4.9	7.9	4.8	8.3
Chlorine Analyzer: Free Chlorine Residual - Inline	PPM	1.66	1.68	1.75	1.69	1.89	1.69
Effluent Water pH - Inline	Units	6.6	6.5	6.4	6.4	6.6	6.5
Manual Chlorine Reading (ex: Hach Kit)	PPM	1.64	1.65	1.73	1.67	1.87	1.88
Manual pH check (ex: Henna)	Units						

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6.3.2022	6.6.2022	6.7.2022	6.8.2022	6.9.2022	6.10.2022
Tank 848A Hypochlorite Level	Gallons	138	143	131	127	143	135
Tank 848B Hypochlorite Level	Gallons	110	143	104	70	141	107
Tank 848C Hypochlorite Level	Gallons	80	141	141	141	141	141
Tank 849A Polyphosphate Level	Gallons	52	52	52	52	164	163
Tank 849B Polyphosphate Level	Gallons	114	77	56	82	157	133
Metering Pump 868A: Hypochlorite Output Pressure	PSI						
Metering Pump 868B: Hypochlorite Output Pressure	PSI						
Metering Pump 869A: Phosphate Output Pressure	PSI						
Metering Pump 869B: Phosphate Output Pressure	PSI						
Metering Pump 868A: Stroke/Speed	Units						
Metering Pump 868B: Stroke/Speed	Units						
Metering Pump 869A: Stroke/Speed	Units						
Metering Pump 869B: Stroke/Speed	Units						
Generator Operating Hours	Hours	177.2	177.2	177.2	177.2	177.2	179.1
Main Facility Electric Meter Reading							
Comments (additional tasks performed, maintenance needed, contractors on site, etc.)		Change Flow / PH Charts	CL2 Delv.		Phos. Delv.	CL Delv. Phos. Delv.	Finished Putting new nuts / bolts on GAC 5 match clamps (GAC 1 & 2)

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6-13-2022	6-14-2022	6-15-2022	6-16-2022	6-17-2022	6-20-22022
System Flow Rate	GPM	2250	3250	2250	2100	3300	2250
Total System Flow	Gallons	7804388	7807609	7811567	7813871	7817870	7822674
Well 3 Status	ON OR OFF	OFF	ON	OFF	OFF	ON	OFF
Well 4 Status	ON OR OFF	ON	ON	ON	ON	ON	ON
Tank 100 Flow Rate	GPM	300	500	300	250	550	300
Tank 200 Flow Rate	GPM	350	500	250	250	500	300
Tank 300 Flow Rate	GPM	350	550	400	350	650	350
Tank 400 Flow Rate	GPM	350	550	350	350	600	400
Tank 500 Flow Rate	GPM	350	550	350	300	650	400
Tank 600 Flow Rate	GPM	250	450	300	300	500	300
Tank 100 Total Flow	Gallons	70,133,000	70,593,000	71,161,000	71,307,000	72,090,000	73,287,000
Tank 200 Total Flow	Gallons	11,845,000	11,682,000	12,219,000	12,511,000	3,055,000	14,688,000
Tank 300 Total Flow	Gallons	95693,000	96,271,000	96,918,000	97,377,000	98,111,000	00,228,000
Tank 400 Total Flow	Gallons	84,375,000	84,933,000	85,587,000	85,891,000	86,656,000	88,587,000
Tank 500 Total Flow	Gallons	10,410,000	11,004,000	11,761,000	12,109,000	12,875,000	15,050,000
Tank 600 Total Flow	Gallons	76,727,000	77,220,000	77,821,000	78,078,000	78,794,000	80,550,000
System Influent Pressure	PSI	68	81	55	57	76	55
System Effluent Pressure	PSI	64	72	50	54	66	50
System Differential Pressure	PSI	3.8	9.0	4.0	4.1	9.8	4.9
Chlorine Analyzer: Free Chlorine Residual - Inline	PPM	1.76	1.82	1.72	1.83	1.66	1.63
Effluent Water pH - Inline	Units	6.5	6.4	6.5	6.6	6.5	6.7
Manual Chlorine Reading (ex: Hach Kit)	PPM	1.76	1.81	1.70	1.80	1.64	1.61
Manual pH check (ex: Henna)	Units						

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6.13.2022	6.14.2022	6.15.2022	6.16.2022	6.17.2022	6.20.2022
Tank 516A Hypochlorite Level	Gallons	109	143	124	100	143	143
Tank 516B Hypochlorite Level	Gallons	90	140	103	85	141	142
Tank 516C Hypochlorite Level	Gallons	107	143	143	141	141	143
Tank 516A Polyphosphate Level	Gallons	163	163	163	143	118	41
Tank 516B Polyphosphate Level	Gallons	68	61	163	159	160	163
Metering Pump 556A: Hypochlorite Output Pressure	PSI						
Metering Pump 556B: Hypochlorite Output Pressure	PSI						
Metering Pump 556A: Phosphate Output Pressure	PSI						
Metering Pump 556B: Phosphate Output Pressure	PSI						
Metering Pump 556A: Strokes/Speed	Units						
Metering Pump 556B: Strokes/Speed	Units						
Metering Pump 556A: Strokes/Speed	Units						
Metering Pump 556B: Strokes/Speed	Units						
Generator Operating Hours	Hours	179.4	180.0	180.0	180.0	180.4	180.6
Main Facility Electric Meter Reading							
Comments (additional tasks performed, maintenance needed, contractors on site, etc.)		Finished Bolts/Nuts on clamps of LGACS	Cl Delv.	Phos. Delv.		CL Delv.	CL Delv.

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6-21-2022	6-22-2022	6-23-2022	6-24-2022	6-27-2022	6-28-2022
System Flow Rate	GPM	3250	2050	2050	3500	3175	2500
Total System Flow	Gallons	7833981	7837011	7840114	7843142	7854925	7858395
Well 3 Status	ON OR OFF	ON	OFF	OFF	ON	ON	OFF
Well 4 Status	ON OR OFF	ON	ON	ON	ON	ON	ON
Tank 100 Flow Rate	GPM	500	300	250	500	500	350
Tank 200 Flow Rate	GPM	500	300	300	500	500	350
Tank 300 Flow Rate	GPM	600	350	350	650	600	450
Tank 400 Flow Rate	GPM	600	350	350	650	600	400
Tank 500 Flow Rate	GPM	600	350	300	600	550	350
Tank 600 Flow Rate	GPM	450	250	306	550	500	300
Tank 100 Total Flow	Gallons	74,420,000	74,870,000	75,060,000	75,730,000	77,466,000	77,954,000
Tank 200 Total Flow	Gallons	15,287,000	15,708,000	16,134,000	16,555,000	18,169,000	18,640,000
Tank 300 Total Flow	Gallons	01,009,000	01,563,000	02,108,000	02,641,000	04,755,000	05,362,000
Tank 400 Total Flow	Gallons	89,292,000	89,876,000	90,335,000	90,845,000	92,787,000	93,367,000
Tank 500 Total Flow	Gallons	15857,000	16,480,000	16,995,000	17,548,000	19,754,000	20,384,000
Tank 600 Total Flow	Gallons	81,264,000	81,738,000	82,209,000	82,665,000	84,472,000	85,000,000
System Influent Pressure	PSI	82	67	65	70	82	96
System Effluent Pressure	PSI	71	62	60	59	71	90
System Differential Pressure	PSI	9.7	4.8	4.8	11.4	10.8	7.2
Chlorine Analyzer: Free Chlorine Residual - Inline	PPM	1.61	1.91	1.85	1.41	1.85	1.41
Effluent Water pH - Inline	Units	6.7	6.8	6.9	6.9	6.8	6.8
Manual Chlorine Reading (ex: Hach Kit)	PPM	1.59	1.90	1.83	1.40	1.83	1.39
Manual pH check (ex: Hanna)	Units	—					

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6-21-2022	6-22-2022	6-23-2022	6-24-2022	6-27-22	6-28-2022
Tank 900A Hypochlorite Level	Gallons	136	130	141	140	109	136
Tank 900B Hypochlorite Level	Gallons	93	155	143	81	60	141
Tank 900C Hypochlorite Level	Gallons	143	138	145	145	41	142
Tank 900A Polyphosphate Level	Gallons	145	80	134	93	84	61
Tank 900B Polyphosphate Level	Gallons	163	112	152	152	131	128
Metering Pump 900A: Hypochlorite Output Pressure	PSI						
Metering Pump 900B: Hypochlorite Output Pressure	PSI						
Metering Pump 900A: Phosphate Output Pressure	PSI						
Metering Pump 900B: Phosphate Output Pressure	PSI						
Metering Pump 900A: Stroke/Speed	Units						
Metering Pump 900B: Stroke/Speed	Units						
Metering Pump 900A: Stroke/Speed	Units						
Metering Pump 900B: Stroke/Speed	Units						
Generator Operating Hours	Hours	180.6	180.6	180.4	181.2	181.2	181.2
Main Facility Electric Meter Reading							
Comments (additional tasks performed, maintenance needed, contractors on site, etc.)		Phos. Delv.	Phos Delv.	Cl2 Delv Phos. Delv			Cl Delv.

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6.29.2022	6.30.2022				
System Flow Rate	GPM	3250	3350				
Total System Flow	Gallons	78630717	78628[illegible]4				
Well 3 Status	ON OR OFF	ON	ON				
Well 4 Status	ON OR OFF	ON	ON				
Tank 100 Flow Rate	GPM	500	500				
Tank 200 Flow Rate	GPM	550	500				
Tank 300 Flow Rate	GPM	650	650				
Tank 400 Flow Rate	GPM	600	650				
Tank 500 Flow Rate	GPM	650	650				
Tank 600 Flow Rate	GPM	550	600				
Tank 100 Total Flow	Gallons	18,444,000	18,963,000				
Tank 200 Total Flow	Gallons	19,124,000	19,592,000				
Tank 300 Total Flow	Gallons	05,919,000	06,591,000				
Tank 400 Total Flow	Gallons	93,928,000	94,523,000				
Tank 500 Total Flow	Gallons	20,941,000	21,669,000				
Tank 600 Total Flow	Gallons	85,711,000	86,038,000				
System Influent Pressure	PSI	88	78				
System Effluent Pressure	PSI	76	67				
System Differential Pressure	PSI	12.0	11.0				
Chlorine Analyzer: Free Chlorine Residual - inline	PPM	1.68	1.84				
Effluent Water pH - inline	Units	6.9	6.9				
Manual Chlorine Reading (ex: Hach Kit)	PPM	1.66	1.82				
Manual pH check (ex: Hanna)	Units	—	—				

Daily Readings
Granular Activated Carbon Treatment System

Description	Date	6-29-2022	6-30-2022				
Tank 909A Hypochlorite Level	Gallons	98	120				
Tank 909B Hypochlorite Level	Gallons	123	102				
Tank 909C Hypochlorite Level	Gallons	142	45				
Tank 909A Polyphosphate Level	Gallons	42	141				
Tank 909B Polyphosphate Level	Gallons	125	156				
Metering Pump 909A: Hypochlorite Output Pressure	PSI						
Metering Pump 909B: Hypochlorite Output Pressure	PSI						
Metering Pump 909A: Phosphate Output Pressure	PSI						
Metering Pump 909B: Phosphate Output Pressure	PSI						
Metering Pump 909A: Stroke/Speed	Units						
Metering Pump 909B: Stroke/Speed	Units						
Metering Pump 909A: Stroke/Speed	Units						
Metering Pump 909B: Stroke/Speed	Units						
Generator Operating Hours	Hours	181.2	181.2				
Main Facility Electric Meter Reading							
Comments (additional tasks performed, maintenance needed, contractors on site, etc.)			Phos. Delv.				