

August 3, 2023

President and Commissioners
Town of Charlestown
241 Market Street
Charlestown, MD 21914

**Re: Charlestown Water Treatment Plant
July 2023 Monthly Operations Report
PWSID #0070029**

Dear President and Commissioners;

This report is to advise you of the activities performed last month at the Water Treatment Plant and Distribution System.

Water Withdrawal Summary	2023	2022
Total Monthly Water Withdrawal	3,706,000 gallons	3,032,000 gallons
Average Daily Water Withdrawal	119,548 gallons	97,806 gallons
Minimum Daily Water Withdrawal	81,000 gallons	51,000 gallons
Maximum Daily Water Withdrawal	189,000 gallons	152,000 gallons
Total Positive Coliform Samples	0	

If you have any questions or require additional information, please do not hesitate to contact me.

Sincerely,



Deb Balsavage,
Compliance Coordinator

Charlestown Water Treatment Plant Maintenance & Operations Activities

Routine Operation and Maintenance:

- Daily tasks were recorded in the WTF logbook and all data sheets for chemical usage, equipment runtime, pH calibration, and routine checklists were completed.
- Daily pH and chlorine tests were performed.
- Chemical feed pumps were adjusted as necessary to maintain optimal pH and chlorine levels.
- Chemicals were mixed as needed and a chemical inventory was maintained.
- Monthly samples were collected and sent to certified lab for testing per state requirements.
- Monthly Operations Report was sent to MDE.
- The WTF Maintenance Schedule was followed.
- Housekeeping was performed.

Non-Routine Operation and Maintenance:

- Completed 12 locates.
- Met electrical contractor to go over plant control upgrades.

August 10, 2023

Mr. Alex Yeboah
Maryland Department of the Environment
Water Supply Program
1800 Washington Boulevard
Baltimore, MD 21230

**Re: Charlestown Water Plant
July 2023 Monthly Operations Report
PWSID # 0070029**

Dear Mr. Yeboah;

Attached for your review is the Monthly Operations Report for the Charlestown Water Plant.

If you have any questions or require additional information, please do not hesitate to contact me at (484)507-4401.

Sincerely,

Deb Balsavage

Deb Balsavage,
Compliance Coordinator

cc: Mike Poyner, CEO, Miller Environmental, Inc.
Dean Miller, President, Miller Environmental, Inc.

MDE
 WATER MANAGEMENT DIVISION
 1800 Washington Boulevard
 BALTIMORE MD. 21230

FACILITY: **Town of Charlestown**
 ADDRESS: P.O. Box 154
 Charlestown, MD. 21914
 ID#: 007-0029

OPERATOR: Dean Miller
 CERT. #: 3388

County: Cecil
 Month: **July**
 Year: **2023**

GENERAL		WELLS						CHEMICALS			DISTRIBUTION						
DATE	WEATHER	WELL#1 HRS.	WELL#2 HRS.	FLOW Mgd	pH	Temp.°C	Fe ppm	Chlorine	Soda Ash	Aqua Mag	pH	Cl2 ppm	Alk. Ppm	Hrd. Ppm	Fe ppm	Flow Mgd	PSI
1	CLEAR	0.0	24.3	0.153	5.40	26.6		7.0	100	1.0	7.10	1.20				0.150	
2	CLEAR	0.0	21.3	0.131	5.40	24.1		9.0	150	3.0	7.20	1.30				0.141	
3	CLOUDY	0.0	17.0	0.106	5.20	26.2		10.0	150	1.0	7.10	1.00				0.099	
4	CLOUDY	0.0	20.3	0.125	5.30	21.6		10.0	150	2.0	7.10	1.20				0.127	
5	CLEAR	0.0	18.7	0.097	5.20	19.4		10.0	100	0.0	7.00	1.10				0.108	
6	CLEAR	0.0	17.0	0.107	5.20	18.6		11.0	200	2.0	7.00	1.30				0.106	
7	CLOUDY	0.0	16.1	0.101	5.30	18.1		6.5	175	1.5	7.10	1.00				0.103	
8	CLOUDY	0.0	23.2	0.148	5.40	27.8		11.5	225	2.0	6.90	1.20				0.119	
9	CLOUDY	0.0	15.7	0.099	5.30	26.1		7.0	175	1.0	7.00	1.00				0.121	
10	CLOUDY	0.0	13.7	0.114	5.30	26.0		11.0	175	1.0	7.00	1.00				0.116	
11	CLEAR	0.0	14.3	0.153	5.40	20.6		10.0	200	2.0	7.10	1.10				0.125	
12	CLEAR	0.0	18.0	0.114	5.40	16.9		10.0	150	2.0	7.10	1.30				0.118	
13	CLEAR	0.0	16.5	0.104	5.30	16.7		10.0	200	1.0	7.00	1.20				0.127	
14	CLOUDY	0.0	25.2	0.189	5.30	16.1		10.0	350	1.0	7.00	1.40				0.187	
15	CLOUDY	0.0	21.8	0.149	5.40	16.4		10.0	200	2.0	7.10	1.30				0.105	
16	RAIN	0.3	16.2	0.111	5.40	16.6		8.0	200	1.0	7.00	1.20				0.088	
17	CLOUDY	0.0	17.6	0.114	5.30	23.9		12.0	125	1.0	6.80	1.00				0.134	
18	CLEAR	0.0	16.9	0.109	4.80	17.1		10.0	100	2.0	7.00	1.20				0.108	
19	CLOUDY	0.0	17.2	0.111	5.10	16.4		9.0	175	1.0	6.90	1.30				0.107	
20	CLEAR	0.0	16.5	0.105	5.20	16.6		9.0	125	1.0	6.90	1.30				0.104	
21	CLOUDY	0.0	15.2	0.138	5.40	18.0		9.5	200	0.0	6.80	1.20				0.136	
22	CLEAR	0.0	19.6	0.127	5.30	23.9		8.0	150	3.0	6.80	1.00				0.094	
23	CLEAR	0.3	22.4	0.144	5.30	20.6		10.0	200	1.0	6.90	1.10				0.162	
24	CLOUDY	0.0	12.3	0.081	5.20	23.1		7.0	100	1.0	6.90	0.90				0.079	
25	CLOUDY	0.0	16.2	0.105	5.30	18.6		10.0	125	0.0	7.00	1.10				0.094	
26	CLEAR	14.0	0.0	0.096	5.20	17.8		10.0	125	1.0	7.00	0.90				0.098	
27	CLOUDY	16.4	0.1	0.109	5.20	17.1		7.5	125	1.0	7.00	1.00				0.112	
28	CLEAR	21.4	0.0	0.141	5.30	17.4		7.0	150	1.0	6.80	1.10				0.142	
29	RAIN	17.3	0.0	0.114	5.20	17.2		9.0	150	2.0	6.90	0.90				0.117	
30	RAIN	16.5	0.1	0.111	5.20	17.2		8.0	175	1.0	6.90	1.10				0.106	
31	CLEAR	14.7	0.0	0.100	4.50	24.8		8.0	125	1.0	6.30	0.70				0.103	
TOTAL		100.9	453.4	3.706				285	5050	40.5						3.636	
AVERAGE		3.3	14.6	0.120	5.25	20.2		9.2	163	1.3	6.96	1.12				0.117	
MIN		0.0	0.0	0.081	4.50	16.1					6.30	0.70				0.079	
MAX		21.4	25.2	0.189	5.40	27.8					7.20	1.40				0.187	