

May 4, 2023

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

**Re: Charlestown Water Treatment Plant
April 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	2,972,000 gallons	2,750,000 gallons
Average Daily Water Withdrawal	99,067 gallons	91,667 gallons
Minimum Daily Water Withdrawal	62,000 gallons	37,000 gallons
Maximum Daily Water Withdrawal	136,000 gallons	154,000 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

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 14 locates.

May 10, 2023

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

**Re: Charlestown Water Plant
April 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: **April**
 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	po4
1	clear	0.0	12.9	0.077	5.50	25.2		9.5	125	3.0	7.10	1.22				0.082	
2	cloudy	0.0	17.0	0.110	6.01	17.4		11.0	100	1.0	6.89	1.00				0.105	
3	cloudy	0.0	10.6	0.066	5.75	17.4		12.0	0	4.0	7.17	1.01				0.064	
4	cloudy	0.0	15.5	0.096	5.77	17.6		6.0	25	2.0	7.21	1.00				0.108	
5	cloudy	0.0	14.8	0.092	5.54	22.2		4.0	25	5.0	6.85	0.49				0.094	
6	cloudy	0.0	15.7	0.098	5.67	19.9		11.5	25	2.0	6.50	0.89				0.097	
7	cloudy	0.0	14.4	0.090	5.30	23.3		11.5	0	2.5	6.20	1.20				0.095	
8	cloudy	0.0	12.0	0.075	5.40	23.3		8.0	15	2.5	6.30	1.20				0.083	
9	cloudy	0.0	17.0	0.105	5.51	23.0		11.0	210	3.0	6.41	0.98				0.107	
10	cloudy	0.0	14.3	0.090	5.38	15.8		10.0	10	2.0	6.78	0.90				0.077	
11	cloudy	0.0	16.2	0.100	5.94	16.2		11.0	0	2.0	6.97	1.08				0.106	
12	cloudy	0.0	16.1	0.100	5.17	17.3		8.0	200	3.0	6.41	1.07				0.092	
13	cloudy	19.2	0.0	0.127	5.21	17.5		14.0	0	2.0	6.70	1.02				0.143	
14	clear	13.3	0.2	0.097	5.30	24.1		10.0	0	2.0	6.40	1.10				0.067	
15		17.4	0.1	0.134	5.30	24.2		11.0	0	3.0	6.20	1.10				0.153	
16	cloudy	15.8	0.0	0.106	5.70	24.0		11.0	150	3.0	6.95	1.02				0.100	
17	cloudy	13.8	0.0	0.092	6.50	17.3		12.0	125	3.0	7.01	0.70				0.089	
18	cloudy	15.5	0.0	0.098	6.01	19.6		10.0	125	3.0	7.02	1.15				0.099	
19	clear	15.4	0.0	0.106	5.80	16.4		13.0	175	2.0	6.90	1.20				0.103	
20	clear	20.4	0.0	0.136	5.70	17.1		13.0	150	3.0	7.10	1.00				0.137	
21	clear	14.1	0.0	0.101	5.10	24.2		9.0	150	1.5	6.50	1.30				0.107	
22	cloudy	13.2	0.0	0.082	5.30	25.8		8.0	125	2.5	6.40	1.30				0.079	
23	cloudy	16.9	0.0	0.112	5.41	24.9		10.0	100	3.0	6.57	1.11				0.114	
24	cloudy	16.2	0.0	0.108	5.92	15.6		12.0	175	2.0	6.95	1.19				0.110	
25	cloudy	13.1	0.0	0.116	6.00	19.2		9.0	100	2.0	6.87	1.15				0.119	
26	clear	11.7	0.0	0.062	5.60	18.9		10.0	100	2.0	7.00	1.19				0.062	
27	cloudy	17.1	0.0	0.097	5.60	17.4		7.0	200	1.0	6.90	1.10				0.076	
28	cloudy	15.6	0.0	0.105	5.50	23.5		9.0	200	2.0	6.70	1.10				0.131	
29	cloudy	12.3	0.0	0.081	5.30	25.0		8.0	100	2.0	6.70	1.30				0.082	
30	rain	0.0	19.4	0.113	5.30	25.0		11.5	75	6.0	6.80	1.40				0.110	
31																	
TOTAL		261.0	196.2	2.972				301	2785	77.0						2.991	
AVERAGE		8.7	6.5	0.099	5.58	20.6		10.0	93	2.6	6.75	1.08				0.100	
MIN		0.0	0.0	0.062	5.10	15.6					6.20	0.49				0.062	
MAX		20.4	19.4	0.136	6.50	25.8					7.21	1.40				0.153	