

March 10, 2025

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

**Re: Charlestown Water Treatment Plant
February 2025 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	2025	2024
Total Monthly Water Withdrawal	3,386,000 gallons	3,600,000 gallons
Average Daily Water Withdrawal	120,929 gallons	124,138 gallons
Minimum Daily Water Withdrawal	78,000 gallons	9,000 gallons
Maximum Daily Water Withdrawal	197,000 gallons	211,000 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:

- There were no non-routine operation or maintenance activities reported..

March 10, 2025

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

**Re: Charlestown Water Plant
February 2025 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	FACILITY: Town of Charlestown	OPERATOR: Dean Miller	County: Cecil
WATER MANAGEMENT DIVISION	ADDRESS: P.O. Box 154	CERT. #: 3388	Month: February
1800 Washington Boulevard	Charlestown, MD. 21914		Year: 2025
BALTIMORE MD. 21230	ID#: 007-0029		

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	17.5	0.146	6.00	13.1		12.0	100	0.0	7.3	1.50				0.144	
2	CLOUDY	0.0	23.6	0.194	5.60	12.2		12.0	125	1.0	7.1	1.30				0.179	
3	CLOUDY	0.0	15.8	0.094	5.70	12.6		8.0	200	1.0	7.1	1.60				0.100	
4	CLOUDY	4.7	16.8	0.129	5.50	12.9		10.0	150	0.0	7.0	1.50				0.138	
5	CLOUDY	11.1	8.3	0.121	5.50	12.9		10.0	150	0.0	6.7	1.40				0.130	
6	CLOUDY	5.3	11.0	0.096	6.20	14.1		6.5	150	0.5	7.3	1.30				0.101	
7	CLEAR	10.5	4.1	0.089	6.20	13.9		5.5	125	0.0	7.4	1.20				0.102	
8	CLOUDY	0.0	15.4	0.120	6.30	13.6		8.0	75	1.0	7.4	1.00				0.087	
9	CLOUDY	20.6	0.0	0.169	6.00	12.9		10.0	200	1.0	7.2	1.10				0.189	
10	CLOUDY	0.0	16.2	0.103	5.80	13.1		9.0	175	0.0	7.2	1.30				0.131	
11	CLOUDY	15.9	5.3	0.130	5.70	12.4		7.5	250	0.0	7.0	1.10				0.136	
12	CLOUDY	5.3	4.2	0.118	5.70	12.4		9.5	125	2.0	7.1	1.30				0.120	
13	CLEAR	11.6	6.5	0.111	5.70	12.4		8.0	175	0.0	7.3	1.20				0.122	
14	CLEAR	6.4	12.9	0.117	5.70	13.4		7.0	200	1.0	7.2	1.00				0.126	
15	RAIN	12.6	0.0	0.080	5.80	14		6.0	100	0.0	7.4	1.30				0.070	
16	CLOUDY	0.4	19.7	0.107	5.60	13.6		8.0	100	1.0	7.3	1.20				0.167	
17	CLEAR	1.0	16.2	0.083	5.60	12.4		10.0	125	0.0	7.3	1.40				0.101	
18	CLEAR	16.7	8.0	0.152	5.40	11.9		11.0	275	0.0	7.1	1.20				0.160	
19	CLEAR	6.8	13.4	0.121	5.40	12.2		8.0	200	0.0	6.9	1.70				0.119	
20	CLOUDY	18.2	0.1	0.112	5.40	12.2		7.5	200	2.0	7.4	1.50				0.120	
21	CLEAR	9.0	8.8	0.109	5.40	12.2		8.5	200	0.0	7.3	1.30				0.126	
22	CLOUDY	0.0	11.4	0.078	5.40	12.2		9.0	100	1.0	7.1	1.40				0.122	
23	CLEAR	22.7	0.0	0.197	5.20	11.9		11.0	200	0.0	7.2	1.20				0.120	
24	CLEAR	1.4	14.7	0.159	5.30	12.6		10.0	100	1.0	7.3	1.30				0.142	
25	CLEAR	15.4	7.6	0.143	5.60	12.9		10.0	100	2.0	7.3	1.40				0.151	
26	CLEAR	8.4	10.0	0.108	5.60	12.9		6.5	50	1.0	7.3	1.50				0.113	
27	CLOUDY	9.7	6.7	0.100	5.60	12.9		8.0	50	1.5	7.3	1.50				0.114	
28	CLEAR	4.2	12.4	0.100	5.60	12.9		7.5	100	0.5	7.1	1.60				0.112	
29																	
30																	
31																	
TOTAL		217.9	286.6	3.386				244.0	4100	17.5						3.542	
AVERAGE		7.8	10.2	0.121	5.66	12.8		8.7	146	0.6	7.20	1.33				0.127	
MIN		0.0	0.0	0.078	5.20	11.9					6.70	1.00				0.070	
MAX		22.7	23.6	0.197	6.30	14.1					7.40	1.70				0.189	