

February 7, 2025

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

**Re: Charlestown Water Treatment Plant
January 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	3,818,000 gallons	3,621,000 gallons
Average Daily Water Withdrawal	123,161 gallons	116,806 gallons
Minimum Daily Water Withdrawal	57,000 gallons	62,000 gallons
Maximum Daily Water Withdrawal	198,000 gallons	167,000 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:

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

February 10, 2025

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

**Re: Charlestown Water Plant
January 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
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: **January**
Year: **2025**

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	CLOUDY	19.0	0.0	0.115	6.00	13.3		3	100	0	6.6	1.50				0.143	66.6
2	CLEAR	14.4	0.0	0.086	6.30	14.7		7	0	1	6.2	1.00				0.048	66.9
3	CLOUDY	6.9	7.0	0.085	6.10	13.9		7	50	0	7.3	1.30				0.111	66.8
4	CLOUDY	14.2	0.1	0.153	6.40	13.3		7	100	1	7.4	1.50				0.136	66.8
5	CLEAR	18.0	0.1	0.180	6.30	13.4		10	125	1	7.2	1.30				0.182	67.2
6	SNOW	10.8	3.9	0.154	6.10	13.1		10	100	1	7.2	1.40				0.181	
7	CLEAR	5.9	13.2	0.117	6.00	13		10	75	6	7.1	1.30				0.115	
8	CLEAR	9.9	8.1	0.110	5.70	12.6		9	125	1	6.5	1.30				0.110	66.5
9	CLEAR	10.2	7.4	0.107	5.60	13		8	200	1	6.5	1.30				0.118	66.9
10	CLOUDY	7.3	7.6	0.091	5.90	13.6		5	150	2	7.0	1.20				0.104	66.8
11	CLOUDY	0.4	10.4	0.118	6.00	13.1		9	150	1	7.1	1.10				0.124	67.5
12	CLEAR	0.0	19.2	0.150	5.70	13.3		12	175	2	7.0	1.30				0.098	67.5
13	CLOUDY	15.2	1.3	0.123	5.80	12.6		4	50	0	7.2	1.30				0.064	
14	CLEAR	0.0	22.6	0.136	5.70	12.4		13	100	2	7.4	1.40				0.133	
15	CLEAR	7.3	9.9	0.100	5.70	12.4		8	100	1	7.4	1.30				0.107	67.1
16	SNOW	9.2	9.4	0.107	5.70	12.4		7	0	0	7.4	1.20				0.117	66.9
17	CLEAR	8.3	9.7	0.111	6.30	13.6		8	50	1	6.4	1.40				0.119	66.8
18	CLEAR	10.1	0.0	0.120	6.20	13.2		6	100	1	7.2	1.30				0.094	66.9
19	CLOUDY	18.2	0.0	0.123	6.00	13		8	150	1	7.0	1.20				0.086	67.3
20	SNOW	0.0	20.1	0.109	5.80	12.6		10	100	0	7.1	1.40				0.093	
21	CLEAR	13.2	5.2	0.114	5.60	11.4		10	100	0	7.1	1.40				0.122	
22	CLEAR	8.1	13.5	0.131	5.60	11.4		8	250	1	7.1	1.50				0.131	66.8
23	CLEAR	9.4	7.0	0.101	5.60	11.4		8	200	0	7.1	1.50				0.116	66.9
24	CLEAR	0.0	27.7	0.166	5.60	11.4		11	250	1	7.1	1.50				0.165	66.7
25	CLEAR	0.6	17.8	0.143	5.60	11.4		9	50	1	7.1	1.50				0.088	67.2
26	CLOUDY	22.7	0.0	0.198	5.40	12		12	175	2	7.2	1.30				0.117	67.6
27	CLEAR	19.9	9.9	0.093	5.30	11.4		11	150	3	7.1	1.40				0.110	
28	CLOUDY	14.7	8.9	0.144	5.30	11.6		12	150	1	7.1	1.60				0.155	
29	CLEAR	0.0	9.7	0.057	5.30	11.6		5	50	8	7.2	1.60				0.111	69.4
30	CLEAR	0.0	22.3	0.135	5.30	11.6		10	200	0	7.2	1.70				0.120	66.8
31	RAIN	0.0	23.8	0.141	6.30	14.3		10	150	2	7.3	1.70				0.115	69.1
TOTAL		273.9	295.8	3.818				263	3725	41						3.633	
AVERAGE		8.8	9.5	0.123	5.81	12.6		8	120	1	7.06	1.38				0.117	
MIN		0.0	0.0	0.057	5.30	11.4					6.20	1.00				0.048	
MAX		22.7	27.7	0.198	6.40	14.7					7.40	1.70				0.182	