

January 8, 2025

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

**Re: Charlestown Water Treatment Plant
December 2024 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	2024	2023
Total Monthly Water Withdrawal	3,621,000 gallons	3,033,000 gallons
Average Daily Water Withdrawal	116,806 gallons	97,839 gallons
Minimum Daily Water Withdrawal	62,000 gallons	61,000 gallons
Maximum Daily Water Withdrawal	167,000 gallons	131,000 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..

January 10, 2025

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

**Re: Charlestown Water Plant
December 2024 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: **December**
 Year: **2024**

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	0.0	21.6	0.134	6.40	15.1		15	300	3	7.5	1.70				0.125	66.4
2	CLOUDY	0.0	14.3	0.089	6.30	15.3		11	25	1	7.3	1.80				0.090	66.7
3	CLEAR	0.0	14.3	0.089	6.40	15.3		10	25	1	6.8	1.80				0.192	66.9
4	CLOUDY	0.0	14.0	0.086	6.30	15.2		11	100	1	6.5	1.80				0.092	
5	CLOUDY	0.0	14.3	0.167	5.90	14.5		8	100	1	7.4	1.80				0.138	
6	CLEAR	0.0	15.1	0.134	6.10	14.1		5	50	2	7.3	1.60				0.096	66.5
7	CLEAR	0.0	18.1	0.114	5.70	14.7		10	100	1	7.3	1.40				0.158	66.5
8	CLOUDY	0.0	23.2	0.143	5.60	15.1		18	150	1	7.2	1.40				0.154	66
9	CLEAR	0.0	14.9	0.062	6.40	15.7		10	125	1	6.9	1.60				0.095	67.1
10	CLOUDY	0.0	14.1	0.086	6.10	16.1		11	100	1	6.6	1.70				0.089	
11	RAIN	0.0	12.3	0.076	5.70	17.0		15	100	1	7.3	1.60				0.085	
12	CLEAR	0.0	17.4	0.154	6.40	14.6		9	50	0	6.5	1.60				0.080	
13	CLEAR	0.0	17.6	0.109	5.90	14.1		15	125	1	6.9	1.40				0.129	66.5
14	CLEAR	0.0	15.7	0.097	6.30	14.4		12	100	1	7.0	1.50				0.104	66.4
15	CLOUDY	0.0	13.9	0.159	5.70	15.1		12	50	1	7.4	1.80				0.129	66.6
16	RAIN	0.0	22.7	0.140	5.80	15.6		19	175	1	7.3	1.60				0.148	66.8
17	CLEAR	0.0	10.5	0.065	5.60	17.4		7	100	0	7.3	1.90				0.078	
18	CLOUDY	0.0	19.0	0.117	6.00	15.7		14	200	1	6.6	1.90				0.116	
19	CLEAR	0.0	15.0	0.092	6.10	15.2		10	100	0	7.4	1.90				0.102	66.9
20	SNOW	0.0	17.1	0.146	6.60	17.2		7	75	2	6.6	2.00				0.174	66.8
21	CLOUDY	0.0	16.1	0.101	5.90	16.6		5	200	0	7.0	1.60				0.104	67.3
22	CLEAR	0.0	15.8	0.102	6.00	15.2		10	50	1	6.8	1.40				0.105	
23	CLOUDY	0.0	15.2	0.104	6.10	16.1		20	100	0	7.0	1.30				0.106	
24	CLEAR	0.0	13.3	0.118	6.00	15.7		11	0	0	7.1	1.20				0.112	66.9
25	CLOUDY	0.0	18.0	0.111	5.90	14.5		13	25	1	7.3	1.10				0.123	67.2
26	CLOUDY	0.0	25.2	0.156	5.90	14.5		12	300	0	7.4	2.00				0.183	66.8
27	CLEAR	0.0	19.4	0.119	6.10	14.6		9	300	1	7.2	1.60				0.127	66.8
28	RAIN	0.0	17.3	0.106	5.60	16.6		7	175	1	7.4	1.10				0.115	
29	CLOUDY	0.7	15.8	0.158	6.20	17.5		10	125	0	7.2	1.10				0.156	66.8
30	CLOUDY	18.0	18.9	0.154	6.00	16.1		10	125	1	7.3	1.60				0.212	67.1
31	CLOUDY	2.2	0.0	0.133	5.60	16.2		3	100	1	7.1	1.70				0.154	
TOTAL		20.9	500.1	3.621				337	3650	26						3.871	
AVERAGE		0.7	16.1	0.117	6.02	15.5		11	118	1	7.09	1.60				0.125	
MIN		0.0	0.0	0.062	5.60	14.1					6.50	1.10				0.078	
MAX		18.0	25.2	0.167	6.60	17.5					7.50	2.00				0.212	