

February 9, 2024

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

**Re: Charlestown Water Treatment Plant
January 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	2,546,000 gallons	3,921,000 gallons
Average Daily Water Withdrawal	82,129 gallons	126,484 gallons
Minimum Daily Water Withdrawal	1,000 gallons	67,000 gallons
Maximum Daily Water Withdrawal	168,000 gallons	332,000 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 16 locates.

February 10, 2024

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

**Re: Charlestown Water Plant
January 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: January Year: 2024
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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	14.7	0.0	0.091	5.50	15.2		12.0	150	1.0	7.20	1.10				0.085	
2	CLOUDY	14.6	0.0	0.099	5.40	18.9		14.0	150	0.0	7.10	1.30				0.098	
3	CLEAR	13.6	0.0	0.091	5.50	23.5		8.0	150	0.0	7.20	1.80				0.098	
4	CLOUDY	24.5	0.0	0.168	5.50	19.7		13.0	25	1.0	7.20	1.60				0.290	66.5
5	CLEAR	21.5	0.0	0.148	5.40	20.1		19.0	125	0.0	7.10	1.60				0.077	62.7
6	RAIN	23.7	0.0	0.160	5.30	20.2		15.0	175	15.0	7.10	1.60				0.100	64.9
7	CLEAR	14.7	0.0	0.098	5.40	15.9		10.0	0	5.0	6.70	0.90				0.102	66.6
8	CLEAR	14.3	0.0	0.097	5.40	15.8		10.0	100	4.0	6.80	0.90				0.096	66.5
9	RAIN	14.1	0.0	0.096	5.30	15.9		5.0	175	2.0	6.70	1.00				0.099	66.5
10	CLEAR	15.3	0.0	0.103	5.40	15.8		10.0	175	3.0	6.80	1.00				0.102	66.4
11	CLEAR	16.3	0.0	0.110	5.30	15.9		11.0	125	2.5	7.10	1.30				0.109	66.4
12	CLEAR	12.1	0.0	0.081	5.50	15.8		6.0	100	2.0	6.80	1.40				0.083	
13	CLOUDY	20.3	0.0	0.136	5.50	15.8		13.0	150	8.0	6.60	1.40				0.131	
14	CLOUDY	11.3	0.0	0.076	5.50	15.8		4.0	75	3.0	6.70	1.10				0.070	66.7
15	CLOUDY	15.7	0.0	0.106	5.50	25.8		8.0	125	6.0	6.70	1.20				0.115	66.4
16	CLOUDY	13.7	0.0	0.093	5.40	27.0		8.0	100	4.0	6.50	1.20				0.082	66.4
17	CLEAR	14.0	0.0	0.104	5.40	25.6		10.0	25	0.0	6.60	1.20				0.116	66.6
18	CLOUDY	13.9	0.0	0.074	5.50	15.4		10.0	25	3.0	6.60	1.40				0.097	66.4
19	SNOW	15.4	0.3	0.103	5.40	14.8		7.0	200	4.0	6.80	1.40				0.102	66.4
20	CLEAR	18.5	0.0	0.105	5.40	13.9		10.0	150	6.0	7.10	1.40				0.106	66.3
21	CLEAR	18.1	0.0	0.121	5.30	13.9		10.0	150	3.0	7.00	1.40				0.117	66.3
22	CLEAR	12.3	0.0	0.083	5.30	13.8		9.0	100	6.0	6.80	1.10				0.084	66.3
23	CLEAR	0.4	17.6	0.120	5.30	12.1		13.0	100	3.0	6.80	1.20				0.113	66.5
24	CLEAR	0.0	12.8	0.021	5.40	12.8		8.0	100	3.0	6.90	1.20				0.106	66.4
25	RAIN	0.0	21.4	0.009	5.70	18.7		15.0	150	0.0	6.70	1.30				0.107	
26	CLOUDY	0.0	16.4	0.005	5.30	16.4		10.0	75	0.0	6.70	1.30				0.107	
27	CLEAR	0.0	19.2	0.001	5.40	14.5		8.0	0	1.0	6.70	1.40				0.107	
28	RAIN	0.0	10.4	0.005	5.50	13.8		7.0	0	1.0	6.50	1.30				0.107	66.4
29	CLEAR	0.0	14.4	0.014	5.40	14.0		11.0	150	3.0	6.50	1.30				0.107	66.3
30	CLEAR	0.0	14.4	0.017	5.50	12.6		9.0	125	5.0	6.50	1.60				0.107	66.4
31	CLOUDY	0.0	22.1	0.011	5.30	13.7		8.0	175	3.0	6.60	1.30				0.107	
TOTAL		353.0	149.0	2.546				311	3425	97.5						3.327	
AVERAGE		11.4	4.8	0.082	5.42	16.9		10.0	110	3.1	6.81	1.30				0.107	
MIN		0.0	0.0	0.001	5.30	12.1					6.50	0.90				0.070	
MAX		24.5	22.1	0.168	5.70	27.0					7.20	1.80				0.290	

* Distribution system flows from 12/25 through 12/31 are estimated based on average daily flow for the remainder of the month. New meters were installed and were not reading properly.