

January 5, 2024

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

**Re: Charlestown Water Treatment Plant
December 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	2,742,000 gallons	3,033,000 gallons
Average Daily Water Withdrawal	88,452 gallons	97,839 gallons
Minimum Daily Water Withdrawal	31,000 gallons	61,000 gallons
Maximum Daily Water Withdrawal	132,000 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:

- Completed 14 locates.

January 10, 2024

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

**Re: Charlestown Water Plant
December 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: **December**
 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	PSI
1	CLEAR	15.1	0.0	0.091	5.40	11.0		10.0	150	2.0	6.90	1.50				0.096	
2	CLOUDY	11.6	0.0	0.070	5.40	22.0		8.0	100	2.0	6.60	1.50				0.074	
3	RAIN	15.8	0.0	0.084	5.30	24.0		8.0	150	1.0	6.60	1.50				0.083	
4	CLEAR	16.3	0.0	0.076	5.30	14.0		3.0	125	2.0	6.70	1.40				0.086	
5	CLOUDY	11.4	0.0	0.094	5.40	14.0		8.0	100	1.0	6.70	1.40				0.052	
6	CLOUDY	16.4	0.0	0.083	5.20	14.0		0.0	125	0.0	6.90	1.40				0.052	66.3
7	CLOUDY	14.1	0.0	0.071	5.30	15.0		12.0	150	0.0	6.90	1.10				0.050	66.4
8	CLOUDY	10.6	0.0	0.031	5.40	23.0		7.0	75	1.0	6.90	1.00				0.096	66.5
9	CLOUDY	19.6	0.0	0.093	5.40	24.0		14.0	175	3.0	6.90	1.00				0.067	
10	RAIN	13.7	0.0	0.111	5.20	15.0		9.0	125	3.0	6.80	1.10				0.095	66.3
11	CLEAR	11.3	4.0	0.066	5.30	14.0		7.0	125	3.0	6.90	1.10				0.073	66.6
12	CLEAR	0.0	18.8	0.096	5.40	15.0		6.0	200	2.0	6.90	1.20				0.076	66.5
13	CLEAR	14.1	8.4	0.099	5.30	14.0		2.0	0	2.0	7.20	1.60				0.097	66.4
14	CLEAR	0.2	22.0	0.034	5.20	14.0		12.0	125	0.0	7.10	1.50				0.060	66.4
15	CLEAR	0.7	4.7	0.092	5.40	14.0		13.0	200	5.0	7.10	1.70				0.098	66.4
16	CLEAR	11.7	0.0	0.077	5.20	14.0		10.0	150	1.0	7.00	1.30				0.073	
17	RAIN	11.4	0.0	0.095	5.30	15.0		5.0	75	2.0	7.00	1.30				0.091	66.4
18	CLEAR	14.2	0.0	0.091	5.40	14.0		10.0	150	2.0	7.00	1.60				0.093	66.4
19	CLEAR	13.6	0.0	0.095	5.40	14.0		10.0	100	1.0	7.20	1.70				0.129	66.4
20	CLEAR	14.1	0.0	0.096	5.30	15.0		8.0	150	2.0	7.20	1.80				0.068	66.4
21	CLEAR	13.6	0.0	0.125	5.20	14.0		13.0	200	2.0	7.20	1.80				0.101	66.5
22	CLEAR	14.1	0.0	0.095	5.30	14.0		10.0	150	1.0	6.90	1.90				0.108	
23	CLEAR	15.2	0.0	0.101	5.50	25.0		8.0	150	1.0	7.00	1.80				0.062	
24	CLOUDY	19.7	0.0	0.132	5.50	26.0		9.0	100	2.0	6.90	1.50				0.101	66.5
25	CLEAR	9.2	0.0	0.062	5.40	15.0		9.0	150	2.0	7.00	1.50				0.062	66.6
26	RAIN	13.9	0.0	0.094	5.50	15.0		5.0	150	2.0	6.90	1.60				0.086	66.5
27	CLEAR	13.7	0.0	0.093	5.30	14.0		8.0	100	0.0	7.00	1.70				0.097	66.6
28	CLOUDY	14.7	0.0	0.097	5.40	15.0		14.0	150	0.0	6.90	1.70				0.162	66.6
29	CLOUDY	18.7	0.0	0.126	5.20	14.0		14.0	150	1.0	7.00	1.80				0.131	
30	CLOUDY	15.2	0.0	0.103	5.40	27.0		7.0	150	1.0	7.30	2.10				0.101	
31	CLOUDY	10.2	0.0	0.069	5.60	26.0		3.0	100	1.0	7.20	1.70				0.072	
TOTAL		394.1	57.9	2.742				262	4100	48.0						2.692	
AVERAGE		12.7	1.9	0.088	5.35	16.9		8.5	132	1.5	6.96	1.51				0.087	
MIN		0.0	0.0	0.031	5.20	11.0					6.60	1.00				0.050	
MAX		19.7	22.0	0.132	5.60	27.0					7.30	2.10				0.162	