

June 9, 2023

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

**Re: Charlestown Water Treatment Plant
May 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	3,599,000 gallons	3,106,000 gallons
Average Daily Water Withdrawal	116,097 gallons	100,194 gallons
Minimum Daily Water Withdrawal	41,000 gallons	65,000 gallons
Maximum Daily Water Withdrawal	185,000 gallons	166,000 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 11 locates.

June 10, 2023

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

**Re: Charlestown Water Plant
May 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: **May**
 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	CLOUDY	0.0	11.3	0.067	5.4	24.3		8.5	75	2.0	6.70	1.60				0.072	66.4
2	CLOUDY	0.0	13.9	0.081	5.60	20.1		10.0	125	1.0	6.90	1.40				0.080	66.5
3	CLOUDY	0.0	15.5	0.091	5.70	17.6		10.0	175	2.0	6.90	1.50				0.089	66.3
4	CLEAR	0.0	13.4	0.081	5.60	16.9		10.0	175	13.0	6.80	1.40				0.085	66.4
5	CLEAR	0.0	15.2	0.091	5.30	24.6		10.0	175	4.5	6.90	1.60				0.087	
6	CLEAR	0.0	18.8	0.095	5.20	26.0		11.0	150	3.0	6.90	1.50				0.115	
7	CLEAR	0.0	22.1	0.133	5.40	17.6		15.5	200	5.0	7.00	1.40				0.132	66.4
8	CLEAR	0.0	12.6	0.076	5.20	25.9		5.0	125	2.0	6.90	1.40				0.084	
9	CLOUDY	0.0	14.3	0.087	5.30	20.0		10.0	175	2.0	7.10	1.50				0.088	66.3
10	CLEAR	0.0	15.7	0.169	5.30	15.6		12.0	200	2.0	6.90	1.30				0.096	66.4
11	CLEAR	0.0	17.0	0.041	5.10	15.2		14.0	200	7.0	7.00	1.40				0.104	66.3
12	CLEAR	0.0	16.9	0.103	5.10	24.8		11.0	150	3.0	7.10	1.30				0.097	
13	RAIN	0.0	16.8	0.098	5.10	24.8		10.0	125	2.0	7.10	1.10				0.096	66.8
14	CLEAR	0.4	21.7	0.132	5.30	19.6		2.0	200	0.0	7.00	1.40				0.129	
15	CLEAR	0.0	13.4	0.082	5.30	19.6		0.0	125	1.0	7.00	1.40				0.083	
16	CLEAR	0.0	17.7	0.111	5.60	23.7		9.0	150	3.0	7.00	1.00				0.103	
17	CLEAR	0.0	22.7	0.131	5.30	23.7		16.0	100	1.0	7.10	0.90				0.156	
18	CLEAR	0.0	10.2	0.061	5.40	19.8		7.0	225	1.0	7.00	0.90				0.057	
19	CLEAR	0.0	22.1	0.135	5.30	24.1		1.0	325	3.0	7.00	0.70				0.153	
20	CLOUDY	0.0	17.8	0.109	5.20	23.6		7.0	200	1.0	7.10	0.50				0.108	
21	CLEAR	0.0	21.5	0.134	5.20	22.1		20.5	175	1.0	7.00	0.60				0.119	
22	CLEAR	0.0	19.9	0.124	5.40	20.6		14.0	200	2.0	6.90	0.50				0.137	
23	CLEAR	0.0	19.4	0.157	5.40	23.8		10.0	175	2.0	7.00	0.80				0.129	66.3
24	CLEAR	22.7	0.0	0.121	5.20	26.1		10.0	200	2.0	7.10	1.00				0.143	67.1
25	CLEAR	18.3	0.0	0.145	5.40	24.6		18.0	150	0.0	7.00	1.20				0.117	66.3
26	CLEAR	18.1	0.0	0.123	5.30	24.4		12.5	175	2.0	7.20	1.20				0.151	
27	CLEAR	14.9	0.0	0.173	5.40	23.6		14.0	200	1.0	6.80	1.10				0.178	65.9
28	CLEAR	20.8	0.0	0.144	5.30	24.4		14.5	200	2.0	6.90	1.30				0.127	
29	CLEAR	28.2	0.0	0.185	5.40	24.4		10.0	175	1.0	6.90	1.30				0.206	
30	CLEAR	21.6	0.0	0.147	5.40	23.6		16.0	175	2.0	7.20	1.40				0.126	65.8
31	CLEAR	25.7	0.0	0.172	5.30	24.4		10.0	200	2.0	7.10	1.40				0.171	66.4
TOTAL		170.7	389.9	3.599				329	5400	75.5						3.618	
AVERAGE		5.5	12.6	0.116	5.33	22.2		10.6	174	2.4	6.98	1.19				0.117	
MIN		0.0	0.0	0.041	5.10	15.2					6.70	0.50				0.057	
MAX		28.2	22.7	0.185	5.70	26.1					7.20	1.60				0.206	