

April 7, 2023

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

**Re: Charlestown Water Treatment Plant
March 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	2,654,000 gallons	2,728,000 gallons
Average Daily Water Withdrawal	85,613 gallons	88,000 gallons
Minimum Daily Water Withdrawal	39,000 gallons	24,000 gallons
Maximum Daily Water Withdrawal	117,000 gallons	155,000 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.
- 70 meters read.

April 10, 2023

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

Re: Charlestown Water Plant
March 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: **March**
 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	po4
1	cloudy	6.1	0.0	0.039	5.99	15.7		5.0	75	2.0	7.20	1.01				0.051	
2	cloudy	13.6	0.0	0.089	6.02	16.1		11.0	225	3.5	7.13	1.00				0.097	
3	clear	13.3	0.0	0.086	5.60	22.5		10.5	125	2.5	7.50	1.00				0.093	
4	clear	15.4	0.0	0.101	5.50	23.6		9.5	25	6.0	7.20	1.10				0.104	
5	cloudy	6.7	0.0	0.108	6.17	17.8		12.0	0	3.0	7.14	1.01				0.104	
6	cloudy	8.8	0.0	0.057	6.13	17.4		4.0	50	4.0	7.06	1.06				0.058	
7	cloudy	2.7	0.0	0.084	5.68	14.9		14.0	50	3.0	6.96	0.99				0.091	
8	cloudy	13.6	0.0	0.088	5.98	16.9		8.0	50	3.0	6.58	1.11				0.073	
9	cloudy	13.1	0.2	0.087	5.54	17.2		14.0	0	4.0	6.87	1.13				0.094	
10	cloudy	16.1	0.1	0.104	5.54	17.2		12.0	200	4.5	6.87	1.22				0.118	
11	cloudy	9.9	0.0	0.063	5.51	22.1		8.0	100	4.5	6.80	1.30				0.530	
12	cloudy	13.9	0.0	0.090	5.65	12.3		9.0	150	2.0	6.73	0.81				0.091	
13	cloudy	11.8	0.0	0.077	5.40	13.1		9.0	150	3.0	7.01	0.87				0.087	
14	cloudy	11.7	0.0	0.077	5.48	16.9		7.0	150	2.0	6.87	0.85				0.082	
15	cloudy	12.4	0.0	0.081	5.68	16.0		6.0	50	3.0	7.63	1.11				0.086	
16	cloudy	11.8	0.0	0.076	6.35	14.2		9.5	75	4.0	7.08	1.25				0.084	
17	clear	13.5	0.2	0.089	5.40	19.8		10.5	100	3.0	7.10	1.30				0.097	
18	clear	18.1	0.0	0.117	5.50	22.2		12.0	0	2.0	7.00	1.30				0.107	
19	cloudy	0.0	15.0	0.093	5.61	14.4		13.0	0	5.0	6.70	1.24				0.103	
20	cloudy	0.0	12.6	0.079	5.76	11.7		9.0	125	3.0	6.72	1.19				0.075	
21	cloudy	0.0	13.0	0.081	5.67	15.5		8.0	150	3.0	6.75	1.19				0.082	
22	cloudy	0.0	17.9	0.112	5.76	15.2		13.0	175	5.0	6.70	1.17				0.114	
23	cloudy	0.1	11.8	0.074	5.92	17.3		10.0	0	3.0	6.70	0.93				0.080	
24	rain	0.0	11.8	0.074	5.50	24.4		6.5	0	3.0	7.20	1.10				0.061	
25	cloudy	0.0	15.8	0.098	5.50	23.5		10.5	25	3.0	7.00	1.10				0.121	
26	cloudy	0.0	14.5	0.091	5.91	20.7		10.0	0	3.0	7.00	0.98				0.090	
27	cloudy	0.0	12.8	0.078	5.95	17.9		11.0	0	2.0	7.16	1.00				0.071	
28	cloudy	0.0	13.5	0.085	5.47	17.8		10.0	125	4.0	6.90	1.08				0.075	
29	cloudy	0.0	13.5	0.085	5.61	18.0		13.0	100	1.0	6.95	0.65				0.111	
30	clear	0.0	18.0	0.112	5.40	24.6		13.0	175	9.0	7.20	1.22				0.106	
31	cloudy	0.0	12.5	0.079	5.40	24.6		8.5	125	3.0	7.20	1.22				0.088	
TOTAL		212.6	183.2	2.654				307	2575	106.0						3.224	
AVERAGE		6.9	5.9	0.086	5.70	18.1		9.9	83	3.4	7.00	1.08				0.104	
MIN		0.0	0.0	0.039	5.40	11.7					6.58	0.65				0.051	
MAX		18.1	18.0	0.117	6.35	24.6					7.63	1.30				0.530	