



320 S. 17th Street
Reading, PA 19602
www.miller-env.com

May 7, 2024

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

**Re: Charlestown Water Treatment Plant
April 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	2,839,000 gallons	2,972,000 gallons
Average Daily Water Withdrawal	94,633 gallons	99,067 gallons
Minimum Daily Water Withdrawal	62,000 gallons	62,000 gallons
Maximum Daily Water Withdrawal	131,000 gallons	136,000 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

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 2 locates.

May 10, 2024

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

**Re: Charlestown Water Plant
April 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: **April**
 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	RAIN	0.0	12.8	0.082	5.60	13.8		5.0	70	2.0	6.60	1.20				0.093	66.4
2	RAIN	0.0	14.0	0.089	5.60	13.7		6.0	150	2.0	6.70	1.20				0.086	66.3
3	RAIN	0.0	15.3	0.097	5.50	13.1		7.0	100	2.0	6.80	1.00				0.103	66.4
4	CLEAR	0.0	15.6	0.099	5.50	13.3		7.0	120	3.0	6.80	1.00				0.099	66.3
5	CLEAR	0.0	13.7	0.088	5.60	13.8		6.0	100	2.0	6.70	1.40				0.070	66.3
6	CLOUDY	0.0	20.9	0.131	5.50	14.3		8.0	50	2.0	6.80	1.30				0.154	
7	CLEAR	0.0	14.8	0.094	5.50	14.5		6.0	0	4.0	6.40	1.40				0.091	
8	CLEAR	0.0	15.1	0.096	5.50	13.9		6.0	100	2.0	6.80	1.40				0.094	66.5
9	CLOUDY	0.0	15.7	0.099	5.60	14.0		5.0	120	2.0	6.80	1.40				0.098	66.6
10	CLOUDY	0.0	14.8	0.094	5.50	15.1		6.0	100	1.0	6.80	0.90				0.094	66.5
11	RAIN	0.0	15.1	0.096	5.60	15.9		8.0	100	1.0	7.00	1.00				0.097	66.7
12	CLEAR	0.0	13.2	0.081	5.60	15.4		6.0	75	4.0	6.90	1.00				0.090	66.6
13	CLEAR	0.0	19.8	0.127	5.70	15.6		7.0	125	5.0	6.90	1.00				0.132	
14	CLOUDY	0.0	10.0	0.086	5.50	16.2		4.0	50	2.0	6.50	1.10				0.084	
15	CLEAR	1.9	1.9	0.076	5.60	16.3		2.0	20	1.0	6.80	1.10				0.089	66.5
16	CLOUDY	23.9	4.1	0.072	5.60	16.4		9.0	130	5.0	6.80	1.00				0.086	64.4
17	CLOUDY	9.4	0.0	0.062	5.50	16.5		4.0	100	2.0	6.90	1.00				0.082	67.1
18	CLOUDY	12.4	0.0	0.080	5.60	16.4		5.0	90	3.0	6.70	1.00				0.087	66.8
19	CLEAR	18.5	0.0	0.121	5.60	16.3		10.0	110	3.0	6.70	1.00				0.120	66.3
20	CLOUDY	15.9	0.0	0.105	5.70	14.5		7.0	100	4.0	6.90	1.00				0.108	
21	CLEAR	11.9	0.0	0.078	5.80	15.5		9.0	75	3.0	6.50	1.00				0.075	
22	CLOUDY	5.4	0.0	0.088	5.70	15.8		5.0	100	3.0	6.60	1.00				0.093	66.4
23	CLOUDY	15.1	0.0	0.099	5.70	15.4		7.0	100	3.0	6.70	0.80				0.103	66.4
24	CLOUDY	14.4	0.0	0.093	5.60	15.6		5.0	125	2.0	6.80	0.80				0.090	66.7
25	CLOUDY	14.4	0.0	0.093	5.60	15.5		8.0	100	3.0	6.80	1.00				0.085	66.7
26	CLOUDY	18.1	0.0	0.118	5.50	15.2		7.0	125	6.0	6.80	1.00				0.122	66.3
27	CLOUDY	17.0	0.0	0.111	5.90	15.4		7.0	150	5.0	6.40	1.10				0.112	
28	CLEAR	18.5	0.0	0.118	5.40	17.0		7.0	125	5.0	6.40	0.90				0.115	66.5
29	CLEAR	11.0	0.0	0.071	5.60	17.6		8.0	100	3.0	6.60	1.00				0.076	66.5
30	CLOUDY	14.8	0.0	0.095	5.70	18.2		7.0	125	2.0	6.70	0.60				0.098	66.8
31																	
TOTAL		222.6	216.8	2.839				194	2935	87.0						2.926	
AVERAGE		7.4	7.2	0.095	5.60	15.3		6.5	98	2.9	6.72	1.05				0.098	
MIN		0.0	0.0	0.062	5.40	13.1					6.40	0.60				0.070	
MAX		23.9	20.9	0.131	5.90	18.2					7.00	1.40				0.154	