



320 S. 17<sup>th</sup> Street  
Reading, PA 19602  
www.miller-env.com

August 8, 2024

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

**Re: Charlestown Water Treatment Plant  
July 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.

<b>Water Withdrawal Summary</b>	<b>2024</b>	<b>2023</b>
Total Monthly Water Withdrawal	3,383,000 gallons	3,636,000 gallons
Average Daily Water Withdrawal	109,129 gallons	117,290 gallons
Minimum Daily Water Withdrawal	71,000 gallons	79,000 gallons
Maximum Daily Water Withdrawal	172,000 gallons	187,000 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:**

- There were no non-routine operation or maintenance activities reported.

August 10, 2024

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

**Re: Charlestown Water Plant  
July 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: July**  
**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	CLEAR	20.8	0.0	0.132	5.80	19.4		3	175	3	7.0	0.50				0.135	
2	CLEAR	18.4	0.0	0.115	5.70	19.6		6	150	3	7.1	0.50				0.123	
3	CLEAR	14.8	0.0	0.093	5.70	19.6		7	100	2	7.0	0.50				0.090	
4	CLEAR	27.4	0.0	0.172	5.60	18.8		11	200	1	6.8	0.40				0.164	
5	CLOUDY	10.4	3.5	0.086	5.60	18.9		5	175	0	6.8	0.40				0.179	
6	CLEAR	0.0	23.1	0.140	5.80	21.1		9	175	4	7.0	0.60				0.130	
7	CLEAR	0.0	11.5	0.071	5.90	17.0		5	75	1	7.4	0.50				0.083	
8	CLEAR	0.0	18.0	0.111	5.90	18.7		6	100	2	7.0	0.50				0.102	
9	CLEAR	0.0	17.6	0.107	5.80	19.0		7	125	2	7.1	0.40				0.108	
10	CLEAR	0.0	14.9	0.091	5.70	19.2		5	100	1	7.0	0.40				0.106	
11	CLOUDY	0.0	17.2	0.106	5.70	20.3		5	100	2	7.2	0.70				0.114	
12	CLEAR	0.0	21.0	0.129	5.60	20.1		8	125	3	7.1	0.70				0.135	
13	RAIN	0.0	19.4	0.119	6.40	23.4		7	150	4	7.0	0.70				0.129	
14	CLEAR	0.0	15.2	0.093	6.20	17.2		6	100	3	7.3	0.50				0.071	
15	RAIN	0.0	16.0	0.097	5.90	19.8		6	100	2	7.0	0.50				0.121	
16	CLEAR	0.0	18.1	0.101	6.20	19.9		5	190	2	7.1	0.50				0.112	
17	CLEAR	0.0	19.1	0.117	6.20	20.1		7	95	2	7.0	0.50				0.124	
18	CLEAR	0.0	13.8	0.084	5.90	19.7		6	150	3	7.0	0.30				0.092	
19	CLEAR	0.0	26.1	0.161	5.80	18.9		0	50	4	7.1	0.30				0.174	
20	CLEAR	0.0	20.7	0.127	5.90	20.6		8	135	3	7.1	0.60				0.109	
21	RAIN	0.0	15.3	0.093	5.90	18.8		11	100	3	7.0	0.80				0.112	
22	CLEAR	0.0	17.8	0.107	5.80	19.0		1	90	2	7.0	0.80				0.108	
23	RAIN	0.0	12.4	0.076	5.70	20.1		5	85	3	7.1	0.80				0.084	
24	CLEAR	0.0	14.4	0.087	5.60	20.1		6	100	2	7.0	0.80				0.098	
25	RAIN	0.0	19.6	0.121	5.70	21.1		6	150	3	7.0	0.70				0.126	
26	CLOUDY	0.0	21.1	0.129	5.80	21.0		8	175	2	7.0	0.70				0.140	
27	CLOUDY	0.0	15.8	0.097	5.70	19.8		7	25	3	7.2	0.80				0.104	
28	CLEAR	0.0	20.2	0.124	6.10	19.8		8	125	4	7.0	0.80				0.096	
29	CLEAR	0.0	14.0	0.086	5.90	19.9		4	100	2	7.1	0.80				0.106	
30	RAIN	0.0	14.6	0.089	6.10	20.4		6	108	3	7.0	0.80				0.107	
31	CLEAR	0.0	20.0	0.122	5.90	21.2		7	125	3	7.0	0.80				0.124	
TOTAL		91.8	460.4	3.383				190	3753	77						3.606	
AVERAGE		3.0	14.9	0.109	5.85	19.8		6	121	2	7.05	0.60				0.116	
MIN		0.0	0.0	0.071	5.60	17.0					6.80	0.30				0.071	
MAX		27.4	26.1	0.172	6.40	23.4					7.40	0.80				0.179	