

July 8, 2024

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

**Re: Charlestown Water Treatment Plant  
June 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	3,854,000 gallons	3,658,000 gallons
Average Daily Water Withdrawal	128,467 gallons	121,933 gallons
Minimum Daily Water Withdrawal	71,000 gallons	64,000 gallons
Maximum Daily Water Withdrawal	200,000 gallons	195,000 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:**

- The 2023 Consumer Confidence Report (CCR) was completed and handed off to Brian Lightner for distribution and certification.

July 10, 2024

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

**Re: Charlestown Water Plant  
June 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: **June**  
 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	0.0	22.6	0.137	5.60	18.1		10.0	125	5.0	7.00	0.70				0.127	
2	CLEAR	0.0	12.1	0.073	5.30	20.6		9.0	100	3.0	7.40	0.50				0.085	
3	CLOUDY	0.0	19.9	0.117	5.40	19.1		8.0	130	4.0	7.10	0.50				0.122	
4	CLOUDY	0.0	23.1	0.139	5.50	19.2		10.0	170	5.0	7.10	0.50				0.136	
5	CLOUDY	0.0	12.4	0.075	5.50	19.3		5.0	80	3.0	7.10	0.60				0.088	
6	CLOUDY	0.0	17.6	0.157	5.60	19.5		7.0	120	0.0	7.00	0.80				0.119	
7	CLOUDY	0.0	19.3	0.117	5.50	19.6		7.5	75	2.0	7.00	0.60				0.128	
8	CLEAR	0.0	24.9	0.151	5.80	18.4		8.5	50	1.5	7.00	1.10				0.143	
9	CLEAR	0.0	12.2	0.074	5.70	17.9		5.0	0	1.5	7.30	1.00				0.090	
10	CLEAR	0.0	18.3	0.111	5.60	18.3		6.0	0	1.0	7.00	0.90				0.117	
11	CLEAR	0.0	21.4	0.131	5.80	18.4		9.0	100	3.0	6.90	0.90				0.124	
12	CLEAR	0.0	24.1	0.146	5.70	18.3		11.0	0	6.0	6.80	0.80				0.141	
13	CLEAR	13.3	0.1	0.084	5.60	18.6		6.0	250	4.0	6.80	1.40				0.110	
14	CLEAR	18.6	0.0	0.184	5.50	18.8		4.5	450	6.0	6.60	1.40				0.205	
15	CLEAR	19.8	0.0	0.124	5.40	18.5		11.5	0	0.0	7.30	1.00				0.119	
16	CLEAR	26.2	0.0	0.164	5.80	18.6		8.0	0	3.0	7.30	0.80				0.159	
17	CLEAR	11.4	0.0	0.071	5.70	18.7		5.0	150	2.0	7.20	0.80				0.085	
18	CLEAR	24.3	0.0	0.152	5.80	18.7		8.0	200	3.0	7.20	0.50				0.142	
19	CLEAR	15.6	0.0	0.097	5.50	18.5		6.0	150	3.0	7.10	0.50				0.120	
20	CLEAR	24.3	0.0	0.152	5.60	18.8		10.0	150	4.0	7.10	0.90				0.144	
21	CLEAR	31.8	0.0	0.200	5.60	18.7		11.0	250	2.5	7.00	0.90				0.233	
22	CLEAR	22.9	0.0	0.143	5.80	21.0		8.0	200	4.5	7.30	0.50				0.153	
23	RAIN	16.8	0.0	0.106	5.80	21.0		7.0	125	3.0	7.00	0.40				0.094	
24	CLEAR	21.2	11.2	0.186	5.70	19.2		8.0	150	3.0	7.10	0.40				0.213	
25	CLEAR	26.1	0.0	0.163	5.60	19.3		10.0	200	2.0	7.00	0.40				0.155	
26	CLEAR	18.2	0.0	0.113	5.60	18.9		7.0	150	2.0	7.00	0.70				0.119	
27	CLEAR	22.2	0.0	0.139	5.70	18.8		8.0	200	2.0	6.80	0.60				0.147	
28	CLEAR	25.2	0.0	0.153	5.70	20.9		9.0	200	5.0	6.80	0.60				0.148	
29	CLEAR	18.7	0.0	0.116	5.60	19.6		7.0	150	4.0	7.10	0.50				0.130	
30	CLEAR	12.4	0.0	0.079	5.90	20.3		9.0	100	2.0	7.10	0.60				0.076	
31																	
TOTAL		369.0	239.2	3.854				239	4025	90.0						3.972	
AVERAGE		12.3	8.0	0.128	5.63	19.1		8.0	134	3.0	7.05	0.73				0.132	
MIN		0.0	0.0	0.071	5.30	17.9					6.60	0.40				0.076	
MAX		31.8	24.9	0.200	5.90	21.0					7.40	1.40				0.233	