

October 4, 2024

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

**Re: Charlestown Water Treatment Plant
September 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	3,526,000 gallons	3,442,000 gallons
Average Daily Water Withdrawal	117,533 gallons	114,733 gallons
Minimum Daily Water Withdrawal	71,000 gallons	81,000 gallons
Maximum Daily Water Withdrawal	183,000 gallons	235,000 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..

October 10, 2024

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

**Re: Charlestown Water Plant
September 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: **September**
 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	CLOUDY	21.9	0.0	0.113	6.00	18.2		10	150	2	6.9	0.90				0.089	66.7
2	CLEAR	30.3	0.0	0.183	5.60	18.0		10	250	6	6.9	0.90				0.178	66.9
3	CLEAR	16.1	0.0	0.096	5.60	18.0		7	150	5	6.9	0.70				0.108	65.9
4	CLEAR	16.8	0.0	0.102	5.90	19.5		6	150	5	7.3	0.70				0.111	66.9
5	CLEAR	10.0	0.0	0.103	6.10	17.9		7	100	1	7.3	0.60				0.134	
6	CLEAR	24.8	0.0	0.151	6.00	17.6		10	250	2	7.2	0.60				0.180	
7	CLOUDY	13.5	0.0	0.082	6.10	16.7		5	125	2	7.4	0.50				0.084	65.9
8	CLEAR	16.6	0.0	0.108	6.20	16.4		10	125	2	7.3	0.70				0.125	66.8
9	CLEAR	24.5	0.0	0.148	6.00	16.2		10	200	4	7.3	0.70				0.174	66.5
10	CLEAR	14.1	0.0	0.086	6.00	20.2		6	100	3	7.4	0.60				0.090	66.8
11	CLEAR	20.5	0.0	0.123	6.10	17.8		8	100	3	7.4	0.90				0.130	
12	CLEAR	12.3	0.0	0.088	6.10	17.2		6	100	2	7.3	0.70				0.088	
13	CLEAR	24.2	0.0	0.146	6.00	17.4		10	150	3	7.3	0.90				0.182	65.8
14	CLEAR	18.8	0.0	0.113	5.90	18.8		8	150	3	7.4	0.90				0.121	66.5
15	CLEAR	14.3	0.0	0.071	5.80	17.8		8	100	1	6.9	0.60				0.077	66.8
16	CLOUDY	26.7	0.0	0.161	5.60	17.6		11	200	5	6.9	0.50				0.175	66.8
17	CLOUDY	0.0	15.1	0.091	5.60	20.4		7	100	3	7.2	0.90				0.091	
18	CLOUDY	0.0	16.2	0.097	5.90	16.3		7	125	3	6.7	0.90				0.104	
19	CLEAR	0.0	8.8	0.127	6.00	18.3		7	100	2	6.9	0.70				0.111	66.7
20	CLEAR	0.0	18.8	0.131	5.80	17.6		6	175	1	6.8	0.90				0.158	66.9
21	CLOUDY	0.0	26.4	0.159	5.90	17.9		10	200	1	6.9	0.70				0.171	65.9
22	CLEAR	0.0	13.1	0.128	6.00	19.1		11	100	1	7.2	0.70				0.159	66.8
23	CLOUDY	0.0	14.4	0.169	6.00	18.6		9	150	2	7.2	1.00				0.120	
24	CLOUDY	0.0	25.6	0.155	5.80	18.1		10	200	1	7.3	0.50				0.147	
25	RAIN	0.0	11.3	0.081	5.60	21.2		11	275	2	6.9	0.50				0.113	66.6
26	CLOUDY	0.0	13.2	0.081	5.30	18.3		5	100	2	7.0	0.90				0.070	66.8
27	CLOUDY	0.0	19.1	0.115	6.00	19.8		5	150	3	6.9	0.90				0.116	66.9
28	CLOUDY	0.0	15.2	0.092	5.40	18.3		6	100	1	6.9	0.90				0.104	65.9
29	CLOUDY	0.0	11.3	0.081	5.40	18.3		6	125	2	7.2	0.70				0.138	
30	CLOUDY	0.0	24.1	0.145	5.60	18.0		10	150	2	7.2	0.70				0.148	
31																	
TOTAL		305.4	232.6	3.526				242	4450	75						3.796	
AVERAGE		10.2	7.8	0.118	5.84	18.2		8	148	3	7.11	0.74				0.127	
MIN		0.0	0.0	0.071	5.30	16.2					6.70	0.50				0.070	
MAX		30.3	26.4	0.183	6.20	21.2					7.40	1.00				0.182	