

December 6, 2024

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

**Re: Charlestown Water Treatment Plant
November 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	3,538,000 gallons	2,663,000 gallons
Average Daily Water Withdrawal	117,933 gallons	88,767 gallons
Minimum Daily Water Withdrawal	48,000 gallons	73,000 gallons
Maximum Daily Water Withdrawal	276,000 gallons	107,000 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..

December 10, 2024

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

**Re: Charlestown Water Plant
November 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: **November**
 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	18.1	0.0	0.109	5.60	18.1		15	75	2	6.8	0.80				0.134	
2	CLEAR	16.5	0.0	0.101	6.10	16.8		12	75	1	6.2	1.00				0.107	
3	CLEAR	14.6	0.0	0.088	6.00	15.2		12	75	1	6.2	1.20				0.091	
4	CLEAR	14.1	0.0	0.086	5.80	14.1		12	200	0	6.6	1.10				0.109	
5	CLEAR	22.8	0.0	0.137	6.20	17.0		18	125	4	6.2	1.30				0.136	
6	CLEAR	15.5	0.0	0.093	5.90	17.9		11	100	1	6.2	1.30				0.096	
7	CLEAR	6.3	0.0	0.071	5.50	17.7		11	75	1	6.2	1.20				0.077	
8	CLEAR	19.0	0.0	0.191	5.70	16.6		10	75	2	6.4	1.20				0.105	
9	CLEAR	27.0	0.0	0.178	5.60	16.7		14	100	1	6.5	1.10				0.190	
10	CLEAR	15.8	0.0	0.151	5.40	16.4		10	100	4	6.7	1.30				0.089	
11	RAIN	22.5	0.0	0.141	5.70	16.9		19	200	3	6.7	1.20				0.159	
12	CLEAR	13.5	0.0	0.082	6.20	16.6		10	100	2	6.2	1.10				0.085	
13	CLEAR	13.8	0.0	0.083	5.80	15.1		11	100	1	6.2	1.10				0.087	
14	CLEAR	27.6	0.0	0.276	6.20	15.0		5	25	3	7.4	1.10				0.178	
15	CLOUDY	18.7	0.0	0.113	5.90	15.1		15	200	2	7.3	1.00				0.013	
16	CLEAR	13.6	0.0	0.087	6.20	16.9		10	100	3	6.8	1.00				0.088	
17	CLEAR	23.2	0.0	0.141	6.20	15.6		5	175	2	7.2	1.10				0.132	
18	CLEAR	13.7	0.0	0.083	5.90	18.9		11	100	1	6.8	1.10				0.086	
19	CLEAR	6.4	11.0	0.105	6.10	16.1		14	125	2	7.3	1.10				0.105	66.5
20	CLEAR	0.0	7.7	0.048	6.20	16.4		6	50	2	7.5	1.30				0.063	66.4
21	CLEAR	0.0	8.9	0.142	6.20	16.4		10	100	2	7.3	1.30				0.152	66.5
22	CLOUDY	0.0	24.6	0.199	5.90	16.1		10	100	2	7.2	1.20				0.172	66.8
23	CLEAR	0.0	15.0	0.124	5.80	16.4		12	125	0	7.2	1.30				0.176	66.7
24	CLEAR	0.0	24.6	0.151	5.60	16.1		19	200	2	7.3	1.30				0.159	66.8
25	CLEAR	0.0	8.3	0.086	6.20	17.5		11	100	2	7.3	1.70				0.093	66.5
26	CLOUDY	20.1	0.0	0.086	5.60	16.4		10	50	1	7.3	1.70				0.096	66.7
27	CLEAR	13.7	0.0	0.083	6.00	15.0		12	50	1	7.4	1.70				0.102	66.4
28	CLEAR	11.8	0.0	0.109	6.20	14.6		8	0	3	7.2	1.90				0.103	66.5
29	CLEAR	0.0	9.5	0.093	5.90	14.4		10	350	2	7.2	1.40				0.118	66.4
30	CLEAR	0.0	16.1	0.101	6.10	14.6		8	300	1	7.0	1.10				0.106	66.7
31																	
TOTAL		368.3	125.7	3.538				339	3550	54						3.407	
AVERAGE		12.3	4.2	0.118	5.92	16.2		11	118	2	6.86	1.24				0.114	
MIN		0.0	0.0	0.048	5.40	14.1					6.20	0.80				0.013	
MAX		27.6	24.6	0.276	6.20	18.9					7.50	1.90				0.190	