

November 4, 2024

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

**Re: Charlestown Water Treatment Plant
October 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	3,748,000 gallons	2,973,000 gallons
Average Daily Water Withdrawal	120,903 gallons	95,903 gallons
Minimum Daily Water Withdrawal	48,000 gallons	73,000 gallons
Maximum Daily Water Withdrawal	241,000 gallons	165,000 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..

November 10, 2024

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

**Re: Charlestown Water Plant
October 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: October
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	0.0	12.6	0.076	5.60	18.0		6	75	1	7.0	0.30				0.083	66.1
2	CLOUDY	0.0	15.4	0.093	5.30	15.0		6	100	1	7.0	0.40				0.101	67
3	CLEAR	0.0	6.9	0.114	5.90	17.0		8	100	1	6.9	0.40				0.106	67.2
4	CLEAR	0.0	23.6	0.143	5.60	17.0		10	200	0	6.9	0.60				0.168	66
5	CLEAR	0.0	10.3	0.062	6.20	17.0		4	75	1	7.2	0.40				0.043	66.5
6	CLEAR	0.0	19.4	0.171	6.10	19.0		11	100	1	6.5	0.40				0.186	
7	CLEAR	0.0	22.7	0.137	5.90	19.0		10	175	1	6.9	0.80				0.158	
8	CLEAR	0.0	8.6	0.048	5.90	19.0		7	50	0	6.6	0.40				0.066	67.1
9	CLEAR	0.0	11.8	0.139	5.90	19.0		0	50	1	7.4	0.50				0.119	66
10	CLEAR	0.0	10.9	0.119	6.10	16.0		0	0	0	6.4	0.30				0.096	67.3
11	CLEAR	6.9	21.9	0.211	6.10	17.0		10	100	2	6.4	0.30				0.099	66.7
12	CLEAR	17.5	0.0	0.086	6.30	17.0		8	100	1	6.5	0.90				0.136	66.5
13	CLEAR	19.1	0.0	0.141	5.90	18.0		11	200	2	6.7	0.60				0.141	
14	CLEAR	25.7	0.0	0.223	5.60	15.0		12	250	2	6.9	0.80				0.171	
15	CLEAR	13.7	0.0	0.080	5.40	16.0		10	125	1	6.6	0.80				0.080	68.4
16	CLEAR	15.6	0.0	0.097	5.90	16.0		12	150	2	6.7	0.80				0.106	66.5
17	CLEAR	16.0	0.0	0.241	6.10	17.0		10	75	1	7.0	0.80				0.229	66.7
18	CLEAR	19.1	0.0	0.131	5.60	15.0		16	175	1	6.9	1.00				0.141	66
19	CLEAR	15.2	0.0	0.092	6.60	15.0		11	125	0	6.6	1.10				0.098	66
20	CLEAR	16.8	0.0	0.115	5.80	20.0		13	100	2	6.4	0.90				0.115	
21	CLEAR	23.1	0.0	0.140	5.60	17.0		20	0	1	6.7	1.00				0.160	
22	CLEAR	19.8	0.0	0.089	5.60	19.0		11	50	1	6.2	1.70				0.093	68.3
23	CLEAR	17.8	0.0	0.108	6.10	18.0		14	125	1	7.0	1.60				0.114	68
24	CLEAR	17.7	0.0	0.146	5.90	17.0		10	50	1	6.6	1.10				0.129	66.8
25	CLEAR	18.5	0.0	0.112	5.60	17.0		13	150	2	6.8	1.20				0.136	65.3
26	CLEAR	15.6	0.0	0.095	5.90	17.0		12	100	1	6.7	1.10				0.104	66.2
27	CLEAR	15.1	0.0	0.109	6.10	17.0		10	125	2	6.8	1.20				0.073	
28	CLEAR	21.8	0.0	0.132	5.60	19.0		10	175	2	6.9	1.10				0.149	
29	CLEAR	13.7	0.0	0.083	5.50	18.0		10	100	0	6.9	0.80				0.091	66.1
30	CLEAR	15.9	0.0	0.096	5.80	19.0		0	100	3	7.3	0.60				0.104	66.7
31	CLEAR	18.6	0.0	0.119	5.90	18.0		10	100	1	6.8	0.90				0.143	65.9
TOTAL		363.2	164.1	3.748				295	3400	35						3.738	
AVERAGE		11.7	5.3	0.121	5.85	17.4		10	110	1	6.78	0.80				0.121	
MIN		0.0	0.0	0.048	5.30	15.0					6.20	0.30				0.043	
MAX		25.7	23.6	0.241	6.60	20.0					7.40	1.70				0.229	