



320 S. 17th Street
Reading, PA 19602
www.miller-env.com

November 10, 2023

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

**Re: Charlestown Water Treatment Plant
October 2023 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	2023	2022
Total Monthly Water Withdrawal	2,973,000 gallons	2,626,000 gallons
Average Daily Water Withdrawal	95,903 gallons	84,710 gallons
Minimum Daily Water Withdrawal	73,000 gallons	60,000 gallons
Maximum Daily Water Withdrawal	165,000 gallons	111,000 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

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:

- Completed 14 locates.

November 10, 2023

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

**Re: Charlestown Water Plant
October 2023 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: **2023**

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	17.4	0.0	0.112	5.40	24.6		8.0	150	1.0	7.00	1.30				0.096	
2	CLEAR	15.3	0.0	0.096	5.30	26.7		9.0	100	1.0	6.90	0.70				0.127	
3	CLEAR	13.0	0.0	0.088	5.30	17.1		10.0	100	0.0	7.00	1.00				0.097	66.3
4	CLEAR	18.5	0.0	0.119	5.30	16.4		10.0	100	1.0	7.00	0.90				0.097	66.2
5	CLOUDY	10.8	0.0	0.108	5.20	16.6		2.0	150	0.0	6.90	1.10				0.092	66.9
6	CLOUDY	16.7	0.0	0.101	5.20	16.4		5.0	200	0.0	6.90	1.00				0.110	66.3
7	RAIN	15.6	0.0	0.076	5.30	16.8		8.0	200	0.0	6.90	1.10				0.107	66.4
8	CLOUDY	11.8	0.0	0.097	5.30	16.3		3.0	150	0.0	7.00	0.70				0.065	
9	CLOUDY	14.9	0.0	0.085	5.50	22.7		10.0	175	1.0	7.00	0.60				0.113	
10	CLOUDY	13.0	0.0	0.091	5.30	16.2		4.0	150	1.0	7.10	1.10				0.091	66.4
11	CLEAR	13.9	0.0	0.111	5.30	16.0		10.0	175	1.0	7.10	0.90				0.092	66.3
12	CLEAR	0.0	23.9	0.103	5.40	16.1		14.0	150	1.0	7.10	1.00				0.112	66.3
13	CLEAR	0.0	27.6	0.098	5.30	15.8		18.0	200	0.0	7.10	1.10				0.110	66.4
14	RAIN	0.0	15.8	0.102	5.30	22.7		8.5	250	0.0	7.10	1.20				0.101	
15	CLEAR	0.0	24.2	0.073	5.30	23.4		14.5	300	0.0	7.10	0.90				0.102	
16	CLEAR	0.0	21.6	0.097	5.20	23.8		9.0	175	1.0	7.10	1.80				0.079	66.3
17	CLEAR	0.0	25.0	0.092	5.30	17.1		10.0	225	0.0	7.00	1.40				0.097	66.4
18	CLEAR	0.0	23.8	0.079	5.20	17.1		15.0	200	0.0	7.10	1.30				0.096	
19	CLEAR	0.0	21.8	0.079	5.90	24.2		10.0	175	4.0	7.10	1.40				0.077	66.5
20	CLOUDY	0.0	26.7	0.096	5.40	20.1		17.0	175	5.0	7.10	1.20				0.107	
21	CLEAR	0.0	26.4	0.165	5.60	23.2		14.0	250	6.0	7.10	1.70				0.115	
22	CLEAR	0.0	16.6	0.079	5.20	23.1		11.0	100	5.0	6.70	1.70				0.065	
23	CLEAR	0.0	26.5	0.082	5.20	23.6		13.0	250	2.0	6.60	1.00				0.101	
24	CLEAR	0.0	28.6	0.084	5.40	19.0		10.0	100	2.0	7.20	1.30				0.089	66.3
25	CLEAR	14.2	0.0	0.111	5.40	18.4		10.0	100	2.0	7.00	1.40				0.093	66.3
26	CLEAR	13.7	0.0	0.088	5.50	18.1		11.0	150	1.0	7.00	1.20				0.093	66.3
27	CLEAR	16.1	0.0	0.104	5.40	16.9		10.0	150	1.0	7.00	1.10				0.107	66.3
28	CLEAR	17.2	0.0	0.111	5.10	25.1		9.0	200	3.0	6.70	1.00				0.114	
29	CLOUDY	13.6	0.0	0.089	5.00	25.7		10.0	150	2.0	6.60	0.90				0.091	
30	CLOUDY	11.6	0.0	0.074	5.20	25.3		10.0	150	2.0	6.70	0.90				0.067	66.5
31	CLOUDY	12.7	0.0	0.083	5.30	16.7		8.0	150	2.0	6.90	1.00				0.089	66.5
TOTAL		260.0	308.5	2.973				311	5250	45.0						2.992	
AVERAGE		8.4	10.0	0.096	5.32	20.0		10.0	169	1.5	6.97	1.13				0.097	
MIN		0.0	0.0	0.073	5.00	15.8					6.60	0.60				0.065	
MAX		18.5	28.6	0.165	5.90	26.7					7.20	1.80				0.127	