

Charlestown WWT Utility

November 2022 Summary

WWTP

December 16, 2022

Monthly Test Results

Parameter	Results	Permit Limit Requirements	
Average Daily Influent Flow	.545 monthly Avg. (MGD)	2.2 Design Avg. (MGD)	24 % of Capacity
TSS Effluent	1.6 monthly average (mg/l)	30 permit requirement (mg/l)	99.1 % Removal
CBOD Effluent	1.4 monthly average (mg/l)	40 permit requirement (mg/l)	99.2 % Removal
Ammonia Effluent	.079 monthly average (mg/l)	3.0 mg/l permit requirement	99.7 % Removal
Phosphorus Effluent	.9 monthly average (mg/l)	1.0 mg/l permit requirement	86.1% Removal
E.coli	3.0 Monthly geometric means	125 Monthly geometric permit requirement	

The facility process continues to operate well. Our primary efforts and goal in the upcoming months are to better control solids inventory and improve settleability to the clarifiers.

Biosolids Removal:

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sep	Oct	Nov	YTD
Tons/Disposed	0	0	77.41	19.31	50.32	103.25	15.21	90.67	0	0	84.12	440.32

The facility-maintained compliance on all parameters!

Collection System

Activity/task were performed during the month:

- There were 154 locates with 11 emergency locates performed during the month of November.
- Total of seven (7) tap inspection performed during the month.
- All Lift station were inspected weekly during the month.
- A total of three (3) rain events occurred during the month, The largest events were on November 10 and 29 with 1.5" those day at the WWTP. Total Rainfall for the month at the facility Was 3.8."
- 0' liner feet main line was flushed during the month.
- 0' linear feet main line footage was Televised during the month.

Managers Notes:

Utility continues to operate fairly well; it is difficult to ensure all needed maintenance is accomplished with the lack of staff. Utility continues to be very budget minded and still strive to be proactive versus reactive.

Compliance plan/PMP approval is still pending with expected receipt any day.

Training:

Fall protection apparatus were purchased and distributed to existing staff during the month. The need to visit each Lift station/fall potential area will be completed ASAP.

Staff :

Existing staff continue to perform exemplary addressing achieving most, if not all requirements of the utility. Additional staff will be needed to ensure agreed order compliance schedule/PMP is achieved.