

Charlestown WWT Utility

April 2023 Summary WWTP

April 16, 2023

Monthly Test Results

Parameter	Results	Permit Limit Requirements	
Average Daily Influent Flow	.894 monthly Avg. (MGD)	2.2 Design Avg. (MGD)	41 % of Capacity
TSS Effluent	2.6 monthly average (mg/l)	30 permit requirement (mg/l)	97.9 % Removal
CBOD Effluent	2.1 monthly average (mg/l)	40 permit requirement (mg/l)	98.5 % Removal
Ammonia Effluent	.263 monthly average (mg/l)	3.0 mg/l permit requirement	98.6 % Removal
Phosphorus Effluent	.603 monthly average (mg/l)	1.0 mg/l permit requirement	80.8% Removal
E.coli	4.0 Monthly geometric means	125 Monthly geometric permit requirement	

The facility operated well during the month of April. There were four (4) days with rainfall. The largest event during the month was April 6 with 1" total at the treatment facility. There were no overflow events during the month. The facility treatment process continues to be stable. Chemical continues to have less demand and are more constant/predictable.

Biosolids Removal:

Month	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sep	Oct	Nov	De c	YTD
Tons/Disposed	79.1	108.1	73.48	111									371.63

The facility-maintained compliance with all parameters!

Collection System

Activity/tasks were performed during the month:

- There were 184 locates with 5 being emergency during the month of March.
- All Lift stations were inspected weekly during the month, with increased attention given to electrical conditions to control panels and pumps.
- A total of nine (4) rain events occurred during the month, The largest events were on April 6 at the WWTP. The total Rainfall for the month at the facility Was 2.90”.
- 1170’ liner feet main line was flushed during the month. An emergency repair was required on the flush truck during the month.
- 0’ linear feet main line footage was Televised during the month. The line camera malfunctioned during the month and was repaired in-house versus total replacement.

Managers Notes:

Operations continue to improve with increased emphasis on lift station/collection system improvements.

Training:

Seth Eurtton attended a pretreatment conference on April 5-6. This training was for pending pretreatment program development.