

Outfall Location: FTG 005

Sample Date: 7/13/2022

Parameter	DeSoto's results	Qualifier	Mosaic's Results	Qualifier	Mosaic Permit Limit	Units	Notes
Arsenic	2.4		3	U	50	ug/L	Not all permits have this limit (this limit comes from Fort Green Permit) Note: results were converted from mg/L to ug/L.
Total Nitrogen	2.06		1.9		3	mg/L	Annual Geometric Mean
Total Phosphorus (as P)	0.96		0.779		3,5	mg/L	Limits for 30-day Average and Daily Maximum
Chlorophyll a	13.4		12		Report	mg/m3	mg/m3 is equal to ug/L
Specific Conductivity	600		522		1275	umhos/cm	
Flouride	1.6		1.69		10	mg/L	
pH	7.59		7.7		6.0-8.5	S.U	
Sulfate	94.3		87		Report	mg/L	No Limit in NPDES Permit. Note: Sulfate in drinking water currently has a secondary maximum contaminant level (SMCL) of 250 milligrams per liter (mg/L), based on aesthetic effects (i.e., taste and odor).
Total Suspended Solids	4.1		6	J-2	30,60	mg/L	Limits for 30-day Average and Daily Maximum
Fixed Suspended Solids	Not measured		2.80	J-2	12,25	mg/L	Limits for 30-day Average and Daily Maximum
Turbidity	2.94		4.39		29	NTU	Limit is above background
Oil and Grease	1.1	U	1.37	U	5	mg/L	No Limit in NPDES Permit (this limit comes from Wingate Permit)
Gross Alpha	7.45 +/- 2.43		5.4 +/- 2.3		15	pCi/L	If GA exceeds 15 pCi/L, the sample shall be analyzed for Combined Radium 226&228
Dissolved Oxygen	45.7		54.3		38	% Saturation	minimum

H - Holding times for preparation or analysis exceeded

ND - Not detected at the reporting limit

U - Not detected at or above the adjusted reporting limit

I - The value is between the MDL and the PQL

J-2 - The reported value failed to meet the established QC criteria for either precision or accuracy. The data usability is not effected.

MDL - Method Detection Limit

PQL - Practical Quantification Limit