

Outfall Location: SFM 001

Sample Date: 9/28/2021

Parameter	DeSoto's Results	Qualifier	Mosaic's Results	Qualifier	Mosaic Permit Limit	Units	Notes
Arsenic	1.2		1.65	I	50	ug/L	No Limit in SFM NPDES Permit (this limit comes from Fort Green Permit) Note: DeSoto's results were converted from mg/L to ug/L.
Total Nitrogen	0.93		0.675		3	mg/L	Annual Geometric Mean
Total Phosphorus (as P)	1.27		1.32		3,5	mg/L	Limits for 30-day Average and Daily Maximum
Chlorophyll a	11.4		9.43		Report	mg/m3	
Specific Conductivity	604		594		1275	umhos/cm	
Flouride	1.8		1.78		10	mg/L	
pH	7.65		7.9		6.0-8.5	S.U	
Sulfate	119		119		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	5.3		1.6		30,60	mg/L	Limits for 30-day Average and Daily Maximum
Fixed Suspended Solids			1.00		12,25	mg/L	Limits for 30-day Average and Daily Maximum
Turbidity	2.6		5.44		29	NTU	Limit is above background
Oil and Grease	1.16	U	1.37	U	5	mg/L	No Limit in NPDES Permit (this limit comes from Wingate Permit)
Gross Alpha	4.37		4.1		15	pCi/L	If GA exceeds 15 pCi/L, the sample shall be analyzed for Combined Radium 226&228
Dissolved Oxygen	66.1		86.1		38	% Saturation	

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

MDL - Method Detection Limit  
 PQL - Practical Quantification Limit