

## Outfall Location: SFM D002

Sample Date: 8/19/2021

Parameter	DeSoto's results	Qualifier	Mosaic's Results	Qualifier	Mosaic Permit Limit	Units	Notes
Arsenic	1.5		2.19	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	0.480		0.426	I	3	mg/L	Annual Geometric Mean
Total Phosphorus (as P)	0.349		0.214		3,5	mg/L	Limits for 30-day Average and Daily Maximum
Chlorophyll a	2		1.33		Report	mg/m3	
Specific Conductivity	651		704		1275	umhos/cm	DeSoto results not from field measurements
Flouride	2		5.05		10	mg/L	
pH	7.7	H	7.6		6.0-8.5	S.U	DeSoto results not from field sample. pH reported with "H" qualifier for holding time exceedance
Sulfate	176		208		Report	mg/L	No Limit in SFM 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	ND	ND	1	U	30,60	mg/L	Limits for 30-day Average and Daily Maximum
Fixed Suspended Solids			1	U	12,25	mg/L	Limits for 30-day Average and Daily Maximum
Turbidity	0.28		0.36		29	NTU	Limit is above background
Oil and Grease	1.1	U	1.37	U	5	mg/L	No Limit in SFM NPDES Permit (this limit comes from Wingate Permit)
Gross Alpha	4.89		6.9		15	pCi/L	If GA exceeds 15 pCi/L, the sample shall be analyzed for Combined Radium 226&228
Dissolved Oxygen	56.6		56.6		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