

Fort Columbia State Park Wastewater Treatment Plant

Annual Infiltration/Inflow (I/I) Report

Reporting Year: From: 01/01/23 To: 12/31/23

Max month design flow: 0.005000 MGD

Design Population Equivalent: 50

Peak daily design flow: 0.005000 MGD

	Average Monthly Flow (MGD)			Total Monthly Rainfall (inches)			Population Served			Additional Sewer Lines Added (feet)		
	Year			Year			Year			Year		
	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
Month	2021	2022	2023	2021	2022	2023	2021	2022	2023	2021	2022	2023
January	0.000854	0.000664	0.000715	13.22	9.84	7.12	50	50	50			
February	0.000632	0.000584	0.000604	7.17	3.44	3.75	50	50	50			
March	0.000602	0.000548	0.000669	2.5	3.55	5.37	50	50	50			
April	0.000593	0.000546	0.000776	0.97	5.71	6.18	50	50	50			
May	0.000526	0.000569	0.000851	0.7	4.48	1.2	50	50	50			
June	0.000680	0.000629	0.000970	1.8	2.3	0.76	50	50	50			
July	0.000776	0.000753	0.001084	0.26	0.31	0.33	50	50	50			
August	0.000918	0.000615	0.001023	0.22	0.22	0.76	50	50	50			
September	0.000501	0.000556	0.000891	3.85	1.02	1.38	50	50	50			
October	0.000518	0.000458	0.000760	5.59	2.11	3.23	50	50	50			
November	0.000603	0.000536	0.000808	10.6	6.75	9.53	50	50	50			
December	0.000528	0.000672	0.000846	8.96	10.37	9.96	50	50	50			
TOTAL	0.007731	0.007130	0.009997	50	50	50	Total (feet)			0	0	0
Low	0.000501	0.000458	0.000604				Total (miles)			0.00	0.00	0.00
High	0.000918	0.000753	0.001084									
Average	0.000644	0.000594	0.000833									
I/I	0.000417	0.000295	0.000480									

Base Year: 2021 Base Year I/I: 0.000417 MGD

Infiltration/Inflow Summary

Year	I/I, MGD	% increase from base I/I	% of avg. design flow
2021	0.000417	0	8
2022	0.000295	-29	6
2023	0.000480	15	10

Comments:

Devin Lindstrand (Group 1) Construction and Maintenance Proje Supervisor

Signature and Title