

The following table conveys information on the performance of the County’s wastewater treatment facilities and conveyance system for any monthly exceedances of permit requirements that are caused by, or involve, process disruption (not power related) such as major equipment or biological treatment process failures, or industrial discharges.

Wastewater Treatment and Conveyance System Compliance Events - Permit Requirement Exceedances Involving Process Disruption													
Facility	2023									2024			
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
Wastewater Treatment Plants (e.g., effluent limit exceedance, unpermitted discharges)													
West Point													
South Plant									a				
Brightwater													
Vashon													
Carnation													
CSO Treatment Facilities (e.g., effluent limit exceedance, disinfection failure)													
Henderson/MLK CSO	*	*	*	*	*	*	*	*	*		*	*	*
Alki CSO	*	*	*	*	*	*	*	*	*		*	*	*
Carkeek CSO	*	*	*	*	*	*	*	*		b		*	*
Elliott West CSO	*	*	*	*	*		*			c	c	c	
West Section Conveyance System													
Unpermitted Overflows													
East Section Conveyance System													
Sanitary Sewer Overflow													

Notes:

1	Number of process disruption events in any month where exceedances occur.
	Represents any month where no events occurred, or if any non-compliance occurred it was unrelated to process disruption.
	Non-compliance occurred and involved process disruption; however, repair/solution is known and the incident response and correction was immediate.
	Non-compliance involving process disruption, and evaluation and corrective action includes substantial effects on residents and businesses, level of effort and time to resolve, or costs to system operations.
*	Monitoring period characterized by sufficiently low flow conditions that the CSO treatment facility did not operate with a discharge to the outfall at any time in the month.

a In responding to a number of factors during a large storm and high inflow event that occurred on December 5-6, 2022, including the effects on process control, operations at South Plant initiated a partial bypass of primary treated flow for about 6hrs and 40min. Approximately 6.6 million gallons of primary treated wastewater was blended with the secondary treated flow, was disinfected, and all permit discharge limits were achieved.

b The Carkeek wet weather treatment station experienced an intermittent disinfection failure during a December 5-6, 2023 treatment event, and attributed to a faulty pressure relief valve which was repaired following the event.

c Effluent limits were exceeded during the month. The design process for facility improvements is underway for a capital project of performance improvements to be implemented at Elliott West.