

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 power disruption, or involve events with backups of the conveyance system and need for substantial responsive actions (e.g., cleanup of sanitary sewer overflows).

Wastewater Treatment and Conveyance System Compliance Events - Permit Requirement Exceedances Involving Power Disruption or Sewer Backup												
Facility	2022			2023								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Wastewater Treatment Plants (e.g., effluent limit exceedance, unpermitted discharges)												
West Point												
South Plant												
Brightwater												
Vashon												
Carnation												
CSO Treatment Facilities (e.g., effluent limit exceedance, disinfection failure)												
Henderson/MLK CSO	*	*	*	*	*	*	*	*	*	*	*	*
Alki CSO	*	*		*	*	*	*	*	*	*	*	*
Carkeek CSO	*	*		*	*	*	*	*	*	*	*	*
Elliott West CSO				*	*		*	*	*	*	*	
West Section Conveyance System												
CSO Exacerbated Overflow												
CSO Dry Weather Overflow				a								
Sanitary Sewer Overflow			b		c							
East Section Conveyance System												
Sanitary Sewer Overflow			d									

Notes:

1	Number of power disruption/backup events in any month where exceedances occur.
	Represents any month where no events occurred, or if any non-compliance occurred it was unrelated to power disruption, or backups in the conveyance system.
	Non-compliance occurred and involved power disruption or conveyance system backup; however, repair/solution is known and the incident response and correction was immediate.
	Non-compliance involving power disruption or conveyance system backup, 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** A large storm on January 12-13, 2023 resulted in peak wastewater and combined stormwater flows along with widespread power outages and disturbances. The storm event was accompanied electrical- and telemetry-related disturbances at pump station facilities. Overflows occurred at separated system pump stations in the West section service area (Richmond Beach) and East section (Medina), and at a CSO pump station (East Pine).
- b** During a storm event on December 27, 2022 with unusually low atmospheric pressure and king tide, flooding from the Duwamish River occurred in the South Park neighborhood and entered the sewer lines, resulting in sewer backups that were determined to have occurred after the event based on analysis of operational data and anecdotal information.
- c** During a storm, power disruptions at the Barton Pump Station caused two instances of faults involving both pumps, resulting in an overflow that exited to the outfall and Puget Sound. Staff responded immediately and arrived onsite to reset the drives.
- d** During a large storm on December 26, 2022, a power outage occurred at the Medina Pump Station and the automatic transfer switch failed to initiate the backup generator to start which resulted in an overflow that lasted for approximately 2hrs before operators were able to respond and manually start the generator.