

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	2021		2022									
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Wastewater Treatment Plants (e.g., effluent limit exceedance, unpermitted discharges)												
West Point		a										
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										b		
Sanitary Sewer Overflow												
East Section Conveyance System												
Sanitary Sewer Overflow												

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 Power disturbances at West Point contributed to secondary diversions (i.e., unauthorized blending of primary and secondary treated flow) and a bypass of untreated wastewater from the emergency bypass outfall to Puget Sound during a large storm event on January 12-13, 2021 totaling about 11 million gallons. Ecology subsequently issued Administrative Order #19477 on February 2, 2021 that requires King County to plan for, and implement, power reliability strategies and improvements to minimize the potential for secondary diversions and bypasses. See “NPDES Permit Exceedances (Reportable Events Subject to Potential Penalties)” performance data sheet for additional details on West Point power-related disturbance events.
- b A line power interruption occurred at the E. Pine Pump Station on August 22, 2022, and the generator failed to start due to low coolant resulting from a defective radiator cap, resulting in a dry-weather overflow to Lk. Washington that lasted 44 min. and discharged approximately 20,000 gallons.