

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 involve compliance with effluent limitations at the County’s five wastewater treatment plants or four CSO treatment facilities, or unpermitted overflow events in the separated sanitary or combined stormwater-sewer conveyance system.

NPDES Permit Exceedances (Reportable Events Subject to Potential Penalties) – Wastewater Treatment Facilities or Conveyance System												
Facility	2021		2022									
	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Effluent Limitations Exceedances at Wastewater Treatment Facilities												
West Point								a				
South Plant												
Brightwater												
Vashon												
Carnation												
Effluent Limitations Exceedances at CSO Treatment Facilities												
Henderson/MLK CSO	*	*			*	*	*	*	*	*	*	*
Alki CSO	*	*	b		*	*	*	*	*	*	*	*
Carkeek CSO	*	*		c	*	*	*	*	*	*	*	*
Elliott West CSO	d	*	d	d	*	d	*	d	*	*	*	
Conveyance System Overflow Events in Combined or Separated Basins												
West Section – Dry Weather Overflows at CSO Outfalls												
West Section – Sanitary Sewer Overflows												
East Section – Sanitary Sewer Overflows												

Notes:

Compliance goal for all events is “zero”, and all exceedances have potential to be assessed penalties.

	No ongoing non-compliance; or events with known cause and immediate correction.
	Ongoing compliance issue; but repairs/solution is known and underway for timely correction.
	Substantial ongoing compliance issue with ongoing corrective actions, or response and/or planning for corrective action is underway.
*	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 West Point Bypass and Secondary Diversion Events: Power disturbances at West Point contributed to a secondary diversion (i.e., unauthorized blending of primary and secondary treated flow) on January 9th, 2021 and a bypass of untreated wastewater from the emergency bypass outfall to Puget Sound during a large storm event on January 12-13 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. This footnote identifies and summarizes any bypass and secondary diversion events following the issuance of the administrative order.

- Summary of 2021 events: February 2, 2021 (secondary diversion, 3.5 million gallons over 39 minutes); April 29, 2021 (untreated bypass, 900,000 gallons over 29 minutes); Jun 13, 2021 (exacerbated secondary diversion while plant was at reduced capacity for scheduled construction work).
- A power outage on June 7, 2022 due to a failed breaker at the Seattle City Light switchyard located at the plant caused a power outage of approximately 2 hours, and a resulting secondary diversion of 400,000 gallons over 109 minutes.

- b** A project is underway for the Alki wet weather station to assess solids removal performance.
- c** The Carkeek wet weather treatment station experienced intermittent disinfection failures similar to an event in January, with hypochlorite pumps operating but failing to continuously deliver hypochlorite. The pumps are being rebuilt, a temporary portable hypochlorite pumping system was installed as a backup until pumps are returned to service, and two spare pumps are being purchased.
- d** A planning and facility improvements process is underway for Elliott West.