

Summary: Marine and Environmental Monitoring Results, as of May 12, 2017

Blue= normal value or meeting standards

Orange= abnormal value or not meeting standards

Purple= within water quality standards, but variable results

Yellow = concern or fluctuating results

| Reporting dates Reporting dates are two weeks delayed from monitoring dates | March 17 | March 31 | April 14 | April 28 (current) | May 12 |
|--|---|-----------------|-----------------|---------------------------|---------------|
| | | | | | |
| Marine Monitoring at 13 locations | Plan and reports: http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/marine-monitoring.aspx | | | | |
| Nutrients | | | | | |
| Dissolved Oxygen | | | | | |
| Fecal Coliform | | | | | |
| | | | | | |
| Beach monitoring at 20 locations | | | | | |
| All locations | | | | | |
| | | | | | |
| Permit Required Monitoring | Plan and reports: http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx | | | | |
| Effluent Monitoring | | | | | |
| - Total Suspended Solids | | | | | * |
| - Biochemical Oxygen Demand | | | | | * |
| - Chlorine | | | | | * |
| - Fecal Coliform | | | | | |
| | | | | | |
| Whole effluent toxicity – acute test | Test conducted on March 21, 2017 (no toxicity) | | | | |
| Whole effluent toxicity – chronic test | Test conducted during April 4-9, 2017 (no toxicity) | | | | |
| Sediment at West Point main outfall | Sampling planned for August/September | | | | |
| | | | | | |
| Additional Monitoring | Plan and reports: http://www.kingcounty.gov/depts/dnrp/wtd/system/west/west-point-restoration/environmental-monitoring.aspx | | | | |
| Effluent sampling for metals and organics | Completed | Completed | n/a | Completed | Completed |
| Mixing discharge analysis – effects of effluent on metals, ammonia, and chlorine in Puget Sound at the outfall | | | Completed | Completed | Completed |
| Loading analysis – characterize the loadings during the period of reduced treatment | | | | | In. prep. |
| Dispersion analysis | Historical analysis (completed) | | | | |

* Effluent limitations for biochemical oxygen demand, total suspended solids, and residual chlorine were exceeded in April. However, the secondary treatment process was restored by the end of April and fully resumed the ability to comply with these effluent limits on May 10th. With the plant now fully operational, it is anticipated that reduction of these parameters to compliant levels observed in early May will continue.