



Department of Natural Resources and Parks Wastewater Treatment Division

May 12, 2017

West Point Treatment Plant Restoration Effluent Priority Pollutant Monitoring Data

This file contains King County's influent and effluent water quality monitoring data that is being collected at the West Point wastewater treatment plant. While repairs have been underway to repair the treatment processes that were damaged in the flooding on February 9, 2017, King County has collected additional data for the EPA-designated priority pollutant parameters (i.e., consisting primarily of trace metal and organic compounds). The priority pollutants are normally collected on a quarterly frequency in the West Point influent and effluent as required by the National Pollutant Discharge Elimination System (NPDES) permit for West Point. Additional influent and effluent samples are being collected on a bi-weekly frequency and updates to this data report will be prepared on a periodic basis as the laboratory analysis results become available. These data are used primarily to evaluate the effects of the effluent discharged to Puget Sound from the outfall pipe relative to Washington's marine water quality criteria for the protection of aquatic organisms.

The attached file contains the available partial data for influent and effluent samples that were collected on April 24, 2017. The "Preliminary Draft Data" watermark refers to analyses completed and validated by King County; however, submittal of the final data to Ecology is pending completion of all sampling and analysis within the current monthly reporting period.

If you have questions about this document contact Jeff Lafer at 206-477-6315, or email him at jeff.lafer@kingcounty.gov.

West Point - Influent						West Point - Effluent						Sample Blank					
Project: 421093-100						Project: 421093-100						Project: 421093-100					
Locator: S4001						Locator: FESD01						Locator: ATMOSBLANK					
Descrip: WEST POINT STP/DIV						Descrip: WP FINAL EFFLUENT						Descrip: ATMOSPHERE BLANK					
Sample: L67609						Sample: L67609						Sample: L67609					
Matrix: LB INFLUENT						Matrix: LC EFFLUENT						Matrix: LN BLANK WTR					
ColDate: 4/24/17 8:23						ColDate: 4/24/17 8:45						ColDate: 4/24/17 8:47					
TimeSpan: 24						TimeSpan: 24						TimeSpan: 24					
WET Weight Basis						WET Weight Basis						WET Weight Basis					
Parameters	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units	Value	Qual	MDL	RDL	Units		
MT EPA 200.8*SW846 6020A																	
Antimony, Total, ICP-MS	0.44	<RDL	0.3	1	ug/L	0.49	<RDL	0.3	1	ug/L							
Arsenic, Total, ICP-MS	1.78		0.1	0.5	ug/L	1.73		0.1	0.5	ug/L							
Barium, Total, ICP-MS	21.6		0.5	0.5	ug/L	13.2		0.5	0.5	ug/L							
Beryllium, Total, ICP-MS		<MDL	0.1	0.5	ug/L		<MDL	0.1	0.5	ug/L							
Cadmium, Total, ICP-MS	0.16	<RDL	0.05	0.25	ug/L	0.072	<RDL	0.05	0.25	ug/L							
Chromium, Total, ICP-MS	1.92		0.2	1	ug/L	1.15		0.2	1	ug/L							
Copper, Total, ICP-MS	39.5		0.2	2	ug/L	17.9		0.2	2	ug/L							
Lead, Total, ICP-MS	3.76		0.1	0.5	ug/L	1.44		0.1	0.5	ug/L							
Nickel, Total, ICP-MS	3.69		0.1	0.5	ug/L	2.94		0.1	0.5	ug/L							
Selenium, Total, ICP-MS		<MDL	0.5	1	ug/L		<MDL	0.5	1	ug/L							
Silver, Total, ICP-MS	0.245		0.04	0.2	ug/L	0.11	<RDL	0.04	0.2	ug/L							
Thallium, Total, ICP-MS		<MDL	0.1	0.2	ug/L		<MDL	0.1	0.2	ug/L							
Zinc, Total, ICP-MS	81.3		0.5	2.5	ug/L	48.2		0.5	2.5	ug/L							
MT EPA 1631E																	
Mercury, Total, CVAF	0.0177		0.0002	0.0005	ug/L	0.0152		0.0002	0.0005	ug/L	<MDL	0.0002	0.0005	ug/L			
CV EPA 420.1																	
Total Phenolics	0.049		0.04	0.04	mg/L		<MDL	0.04	0.04	mg/L							
CV SM4500-CN-LE																	
Cyanide, Weak & Dissociable		<MDL	0.002	0.01	mg/L		<MDL	0.002	0.01	mg/L							

PRELIMINARY DRAFT DATA