



King County

Department of Natural Resources and Parks

Wastewater Treatment Division

West Point Treatment Plant
1400 Discovery Park Blvd
Seattle, WA 98199

April 3, 2023

Sean Wilson
Washington Department of Ecology
Northwest Regional Office
PO Box 330316
Shoreline, WA 98133-9716

Re: West Point Treatment Plant Temporary Capacity Reduction

Dear Mr. Wilson:

The West Point Treatment Plant plans to proceed with its major planned activities for the 2023 dry season.

There is one major project that will impact the plant's peak capacity. It is an ongoing project that has required multiple dry seasons to complete – Aeration Train (AT) Mixer Replacement Project.

This project should be completed in 2023 with the replacement of the mixers on ATs 5 and 6. The mixers on ATs 1 and 2 were replaced in 2021, and ATs 3 and 4 in 2022. As done in previous years, the first of two trains will be taken offline in early April, but the secondary process will still be able to process 300 million gallons a day (MGD) with the five remaining trains. The second train will be taken off-line in mid-May, and both trains will remain out of service (OOS) until late August. With four trains in service, secondary flow will be limited to 240 MGD.

In addition to the mixer replacement work, there will be shorter periods needed to strengthen the stage 1 mixer base plates on ATs 3 and 4. This work will be done before second train has to be taken down for its mixer replacement work. This work will be done one train at a time and will take about a week. The weather forecast will be checked before a train is allowed to be taken down for the base plate work.

In addition to the above, there are other short-term maintenance projects which can reduce the plant's capacity. However, these projects can be initiated and completed within a period of dry weather. Weather forecasts will be closely monitored prior to the work and if inclement weather is forecasted, the work will be delayed until a dry weather window is available. For example, Raw Sewage Pump #1 will need to be down for two weeks to replace a wear ring.

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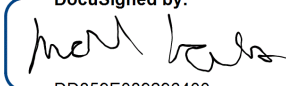
In addition to the projects impacting peak capacity, there are projects impacting firm capacity. This includes work to be done at the Intermediate Pump Station (IPS). One pump will be OOS but there will be no impact to capacity. When an IPS or Effluent Pump Station (EPS) pump is taken OOS, the plant is still at full capacity – 440 MGD for the plant with 300 MGD of secondary treatment. However, with an IPS pump OOS, the IPS firm capacity will be reduced to 150 MGD, and with an EPS pump OOS, the EPS firm capacity would be reduced to 300 MGD. Therefore, the other available pumps and drives at each pump station will be maintained to ensure the plant's readiness for any storm events.

Over the last five years (2018 – 2022), the plant has averaged 69.8 MGD during the months of May through September.

During this period, collection system storage and transfers to the South Treatment Plant in Renton may be utilized to limit peak flows to the plant.

If you have additional questions concerning this event, please contact Eugene Sugita at 206-477-9782.

Sincerely,

DocuSigned by:

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Matt Nolan

Interim Operations Manager

cc: Kamuron Gurol, Director, Wastewater Treatment Division (WTD), Department of
Natural Resources and Parks (DNRP)
Jeff Lafer, Project/Program Manager IV, WTD, DNRP
Karl Zimmer, West Section Offsite Manager, WTD, DNRP
Tom Bauer, West Section Plant Manager, WTD, DNRP
Chapin Brackett, Process and Environmental Compliance Manager, WTD, DNRP