



King County is moving toward construction of the South Magnolia CSO Control Project

King County's contractors are beginning construction of a much-needed facility to reduce combined sewer overflows (CSOs) in Magnolia. King County is building an underground storage tank on a site being acquired from the Port of Seattle at the Terminal 91 West Yard. This facility will store excess stormwater and wastewater during large storms. Excess flows will be conveyed through about 3000 feet of new gravity sewer pipeline that will extend from 32nd Avenue West to the tank. After storms have passed, stored flows will be sent through the Interbay Pump Station for conveyance to the West Point Treatment Plant.

Why does King County need to do this project?

The South Magnolia CSO facility discharged untreated wastewater and stormwater into Puget Sound off of 32nd Avenue West in Magnolia 22 times in 2011. These discharges resulted in about 44 days during which the waters around the outfall would have been considered potentially unsafe for recreation. King County is working to meet current regulations set by the Washington Department of Ecology that require no more than one untreated discharge per year on a long-term average.

Storage tank site location in the West Yard, at right



Did you know?

CSOs can occur at any time of the year when stormwater fills the sewer system beyond capacity.

Combined Sewer Overflows (CSO) occur in older parts of King County's wastewater system that carry both wastewater and stormwater to the treatment plant. When heavy rains fill the pipes, excess stormwater and sewage flow directly into local waterbodies. Historically, CSOs were designed into the system to avoid damage to facilities and sewer backups into homes and businesses and onto streets during storms.

Today, CSOs are a concern because untreated wastewater and stormwater may be discharged to Puget Sound during large storms posing risks to public health and the environment.

This project is carried out under a federal consent decree that specifies milestones for completion.

For more information on King County's work to control CSOs and the federal consent decree, visit www.kingcounty.gov/environment/wastewater/CSO.



Project elements

- An underground diversion structure located in the right-of-way under 32nd Avenue West
- Approximately 3,000 lineal feet of gravity sewer pipeline connecting the diversion structure to the storage tank
- An underground storage tank in the County's new site in the West Yard south of the Magnolia Bridge
- Underground structures adjacent to the tank that will manage flows entering and leaving the tank
- A pipe connecting the storage tank to the South Magnolia Interceptor at the Port of Seattle
- An above-ground equipment facility including odor control and electrical equipment
- Restoration of the right-of-way in accordance with permit conditions
- Surface restoration in affected project areas



Project timeline

<i>Activities</i>	<i>Dates</i>
Permitting process	2013
Construction procurement process-storage facility contract	Summer/Fall 2013
Construction procurement process-conveyance contract	Fall/Winter 2013
Pre-construction community meeting- storage	January 2014
Pre-construction community meeting- conveyance	May 2014
Construction and site restoration	2013 - 2015

For more information:

Visit the project website:

www.kingcounty.gov/environment/wtd/Construction/Seattle/SMagnoliaCSOStorage

Hard copies available upon request.

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