



## Juanita Bay Pump Station replacement

### **Completed – Spring 2009**

The King County Wastewater Treatment Division replaced the Juanita Bay Pump Station, at 9290 Northeast Juanita Drive, to increase capacity and ensure safe and reliable operations. The previous station site was too small, so the new pump station was constructed across street (93rd Avenue Northeast). Construction began in fall 2005 and was completed early 2009.

### Background

- The previous pump station was built in late 1960s
- Pump station serves 7,650 acres in north Kirkland and part of the Northshore Utility District
- Station pumps wastewater east through two pipes to the main conveyance pipe that follows the Burlington Northern and Santa Fe Railway to the [South Treatment Plant](#) in Renton


### Need for project

- Replace aging pump station to ensure safe and reliable operations
- Address critical capacity needs by increasing the pumping capacity from 14.2 million gallons per day (mgd) to a peak capacity of 30.6 mgd
- Meet current design standards, including odor and noise control

### Proposed work

- Replace the Juanita Bay Pump Station at 9290 Northeast Juanita Drive
- Build a new pump station across 93rd Avenue Northeast from the existing pump station
- Leave existing pump station in service while the new station is built
- Design the building and landscaping to fit the neighborhood.
- Choose equipment to enhance safe system operation and reduce odors and noise

#### **24-hour emergency and odor reporting:**

Contact South Treatment Plant at ☐ 206-263-1760 .



*New Juanita Bay Pump Station, on the corner of Northeast Juanita Drive and 93rd Avenue Northeast, April 2009*



*Pump station landscaping, southwest corner*



*Juanita Bay Pump Station*

View more photos on our Flickr [site](#)  .

**You can download and view documents (PDF files) using a [PDF Reader](#).**

## Library

### Technical reports

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Juanita Bay Pump Station, November 1999. This report evaluates the existing Juanita Bay Pump Station and related conveyance system components, and outlines alternatives to convey the projected increased flows out of the basin.

*Source: [Conveyance system improvement program](#)*

### Project and construction updates

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- [Project update](#), January 15, 2009
- [Construction update](#), December 17, 2008
- [Construction update](#), October 31, 2008 (110KB)
- [Construction update](#), October 24, 2008 (290KB)
- [Construction update](#), October 20, 2008 (277KB)
- [Construction update](#), September 2008 (110KB)
- [Construction update](#), July 2008 (94KB)
- [Construction update](#), February 2008 (281KB)
- [Construction update](#), June 28, 2007 (201KB)
- [Construction update](#), May 15, 2007 (347KB)
- [Construction update](#), May 10, 2007 (201KB)
- [Construction update](#), February 2007 (276KB)
- [Construction update](#), November 2006 (362KB)
- [Construction update](#), October 2006 (159KB)
- [Construction update](#), July 2006 (319KB)
- [Construction update](#), June 2006 (208KB)
- [Construction update](#), March 2006 (268KB)
- [Construction update](#), December 2005 (524KB)
- [Construction update](#), October 2005 (601KB)
- [Construction update](#), September 2005 (373KB)
- [Project update](#), Summer 2005 (396KB)
- [Project update](#), June 2005 (210KB)
- [Project update](#), September 2004 (486KB)


## Design drawings



- [Vicinity map](#) (JPG)
- [Pump station](#), view from the southwest (JPG)
- [Site plan](#) (JPF)
- [Pump station plan and cross section](#) (JPG)

## Environmental documents



[SEPA Determination of Nonsignificance](#) (DNS), February 11, 2004 (  , 801 KB)



The State Environmental Policy Act (SEPA) requires public agencies to consider the possible adverse environmental impacts of their projects. The King County Wastewater Treatment Division (WTD) prepared an environmental checklist to identify these impacts for the Juanita Bay Pump Station replacement project. Based on the checklist, WTD decided that the project's possible adverse environmental impacts would not be significant. WTD issued a SEPA Determination of Nonsignificance (DNS) for the project on February 11, 2004

## Wastewater Treatment Division


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### Contact us

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