



Bellevue Pump Station upgrade & force main installation

Completed – January 2011

The Bellevue pump station upgrade and force main installation was completed in two phases.

During phase one of the upgrade, a new 5,300-foot-long, 24-inch-diameter pipeline was installed from the Bellevue Pump Station directly to the Eastside Interceptor, a large regional pipe near Interstate 405. The force main project was completed in March 2008.

Phase two began in fall 2008. The above grade pump station was demolished and replaced with a facility featuring more powerful pumps, a new generator building, stronger odor control equipment and updated architecture. Completed fall 2010, the refurbished pump station is able to convey more than 13 million gallons of wastewater daily from west and central Bellevue to King County's [South Treatment Plant](#) in Renton—a 60 percent increase in capacity.

Pump station – completed Fall 2010

The refurbished pump station features more powerful pumps, a new generator building, stronger odor control equipment and updated architecture. The pump station is able to convey more than 13 million gallons of wastewater daily from west and central Bellevue to King County's South Treatment Plant in Renton.

Planning Design Construction **Operations**

24-hour emergency and odor reporting:

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



*Bellevue Pump Station 595
102nd Ave. S.E., Bellevue*



Gnome, 2011. Cast aluminum and painted steel. Artist Dan Webb.



Oct. 2009. The old pump station (left) prior to demolition, temporary pump facility (on trailer), and foundation for new generator building.

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

Wastewater force main installation – completed March 2008

To protect public health and the environment, King County built a new wastewater force main to connect the Bellevue Pump Station to a regional pipeline east of I-405 that transports wastewater to King County's wastewater treatment plant in Renton.

The new 5,300-foot force main will help meet the wastewater treatment needs in west Bellevue and Bellevue's central business district for the next 50 years.

Work schedule

The project began in late July 2007 and finished in March 2008. Construction occurred in the following sequence:

Summer 2007

Crews staged equipment and supplies along Southeast Sixth Street in front of the Bellevue Pump Station and just east of the Bellevue Club. Drilling begins at both sites, proceeding east from the Bellevue Pump Station and west from the Bellevue Club. Equipment and supplies stored at the 118th Avenue Southeast and Southeast 5th Street intersection, north of the Lake Hills Connector work site.

Fall 2007

Drilling finished at Bellevue Pump Station and begins at Lake Hills



Click on [image](#) to view in larger format

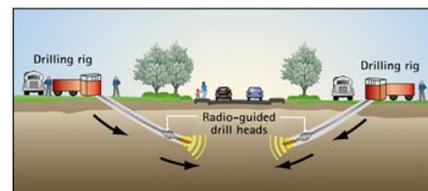
Connector work site, heading west towards the Bellevue Club.

Winter 2007–2008

Drilling finished at Lake Hills Connector site. Pipe testing, repaving and restoration work began in early 2008. The project concludes in March 2008.

Horizontal directional drilling

To minimize community impacts and protect public safety, King County's contractor used an innovative technique called horizontal directional drilling to install most of the new pipe. Drilling rigs located at opposite ends of the pipe alignment used radio-guided drill heads to bore a pilot hole toward each other. The pilot hole has completed underground and widened by reaming tools to accommodate the sewer pipe. This type of drilling reduced the risk to property and the need for traffic detours, excavation, and repaving.



Drill sites

- Southeast Sixth Street, west of 102nd Avenue Southeast in front of the Bellevue Pump Station.
- Southeast Sixth Street between 112th and 114th avenues southeast, east of the Bellevue Club. The western drill route beginning at the Bellevue Pump Station ends here and the eastern drill route terminating at the Lake Hills Connector starts here.
- Westbound lane of the Lake Hills Connector near the Wilburton Trestle.

Library

You can download and view documents (PDF files) using a PDF Reader.

[Project updates](#)



- [Project update](#) – Sewer work along 102nd Ave SE, April 5 - 16 (April 1, 2010)
- [Project update](#) – Steel decking and roof trusses being installed; foundation work begins for new chemical building (March 8, 2010)
- [Project update](#) – Demolition of existing pump station complete, foundation work begins (Nov. 6, 2009)
- [Project update](#) – Demolition of existing pump station and generator buildings to begin October 5 (Oct. 2, 2009)
- [Project update](#) – Temporary pump station system installed; demolition of existing station expected this fall (August 7, 2009)
- [Project update](#) – Emergency sewer pipe replacement on 102nd Ave SE during week of Feb. 17 (Feb. 17, 2009)
- [Project update](#) – Bypass excavation work begins (Jan. 21, 2009)

- [Project update](#) – SE 6th St closes Wednesday, October 1. (Sept. 26, 2008)
- [Project update](#) – Bellevue wastewater pump station improvement project begins in mid-September (Sept. 4, 2008)
- [Project update](#) – Jan. 3, 2008
- [Project update](#) – Nov. 15, 2007
- [Project update](#) – Extended hours at Lake Hills connector and Bellevue Club/Brookside office building work sites Thursday, Nov. 8 (Nov. 7, 2007)
- [Project update](#) – Oct. 22, 2007
- [Project update](#) – Extended hours at Bellevue pump station and Bellevue Club/Brookside office building work sites start Oct. 4 (Oct. 1, 2007)
- [Project update](#) – Drill casing installation begins Sept. 5 at Lake Hills connector work site (Aug. 30, 2007)
- [Project update](#) – Aug. 24, 2007
- [Project update](#) – Drill casing installation begins August 22 at Bellevue pump station work site (Aug. 20, 2007)
- [Project update](#) – Drill casing installation begins August 13 at Bellevue Club/Brookside office work site (Aug. 10, 2007)
- [Project update](#) – July 9, 2007, 267KB
- [Project update](#) – Traffic detours and road closures (July 9, 2007, 281KB); also see web page
- [Project update](#) – Surveying work to occur (July 5, 2007)
- [Project newsletter](#) – May 2006, 668KB
- [Project newsletter](#) – September 2005, 662KB
- [Project update](#) – September 2005
- [Project newsletter](#) – March 2005, 368KB
- [Project update](#) – August 2004, 27KB

Project maps and drawings



- Computer rendering of the new pump station design ([JPEG](#) file).
- Site photos ([JPEG](#) file). (Also available as a [PDF](#) file - 231KB).
- Existing buildings ([JPEG](#) file). (Also available as a [PDF](#) file - 232KB).
- Proposed traffic control plan ([JPEG](#) file).
- 5,300-foot force main ([JPEG](#) file).

Environmental documents



SEPA Determination of Nonsignificance (DNS), September 20, 2005

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 Bellevue pump station upgrade 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 September 20, 2005

- [SEPA DNS](#) (179KB)

[Figure 1, vicinity map](#) (819KB)

- [Figure 2, site plan](#) (113KB)
- [Figure 3, building perspectives](#) (125KB)

Technical reports



[Bellevue pump station & associated facilities \(formerly Sweyolocken II\) flow management alternatives evaluation](#), August 2000 (848KB) – this evaluation report outlines options for transfer of Bellevue pump station flows away from the Sweyolocken pump station.

Source: [conveyance system improvement program](#)

Wastewater Treatment Division

King Street Center
201 S. Jackson St., Suite 500
Seattle, WA 98104

[Get directions](#)

Contact us

206-477-5371

[WTD Division Directory](#)

website.wtd@kingcounty.gov



Last Updated September 26, 2016