

Wilsonville Wastewater Treatment Plant

Clean Water for Tomorrow

June 2010

Wilsonville Upgrades Its Wastewater Treatment Plant

Wilsonville is re-investing in clean water by upgrading the wastewater treatment plant. Over the years, the plant has gradually deteriorated. Equipment is old and failing. The odor control system is inadequate, and the plant is becoming more and more costly to keep up with repairs and maintenance. There comes a time when pouring money into an antiquated facility is cost prohibitive, and that is where we stand with the Wastewater Treatment Plant.

Originally built in 1971, the wastewater treatment plant was updated in the late 70's, 80's and most recently 1998. Now, despite past investments and ongoing maintenance, many components are nearing the end of their expected life. This project will replace aged equipment and structures to handle the community's current needs and address future growth of residents and jobs over the next 20 years. The facility has a history of generating odors that migrate off-site and impact neighbors. A primary project goal is to mitigate both on-site and off-site odors.

Tougher regulatory standards are on the horizon. Upgrading the wastewater plant will ensure Wilsonville can meet future regulations. Another goal of the project is the ability to produce solid by-product which can be applied as fertilizer. Currently, the system produces a liquid by-product which is stored on-site and applied to local lands when weather allows. However, the liquid application sites are diminishing.

Located at the southern edge of the Portland metro area, straddling I-5 and close to the I-205 junction, Wilsonville has experienced steady population growth over the past decade and now has about 18,000 residents. Local employment has grown, too, with the arrival of Xerox, Mentor Graphics, Flir Systems, Coca Cola, Sysco, Rockwell Collins and other employers.

Infrastructure and services – transportation, drinking water and stormwater facilities – have been stretched. The community's wastewater system is no exception.



Built in 1971, Wilsonville's wastewater treatment plant is being upgraded to meet community needs and environmental regulations.

Vicinity Map



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Expert Team Will Build and Operate Wastewater Plant

Wilsonville is using a Design-Build-Operate (DBO) method of contracting. This involves hiring a firm with knowledge of and experience with the latest wastewater treatment technologies.

This firm will be responsible to operate the plant for a minimum of 15 years, meeting set performance measures. The company will design and construct the plant with this long-term commitment in mind thereby minimizing long-term life cycle costs. Another important component of the DBO approach is that the firm will operate the plant while making improvements so there is little or no disruption in service.

The City of Wilsonville will continue to own the treatment plant and the community's other wastewater facilities. The DBO company will operate and maintain the upgraded treatment plant, along with eight pump stations, and the sewage collection system.

Operations at the wastewater treatment plant will follow the model already in place at the City's award-winning drinking water treatment facility.



Wastewater is treated to rigorous state and federal standards, before being discharged to the Willamette River.

Citizen Input

The City values citizen input. You are encouraged to ask questions and share your comments. The following are opportunities to participate:

- Attend a City Council meeting or hearing.
- Visit the project website at www.wilsonvillewwtp.com.
- Sign up for a tour of the plant by calling (503) 570-1502.
- Participate in upcoming community open houses.
- Submit questions and comments via Ask the City on the City website at www.ci.wilsonville.or.us or at www.wilsonvillewwtp.com.
- Contact Dan Knoll, Public Affairs Coordinator at knoll@ci.wilsonville.or.us or (503) 570-1502.

Project Highlights

- ✓ Wilsonville's wastewater treatment plant is being upgraded and expanded to replace aging equipment and structures.
- ✓ Odor control improvements are a key project component.
- ✓ The upgraded wastewater plant will meet and exceed anticipated future environmental regulations.
- ✓ As part of the project, liquid by-product will be replaced with a solid by-product.
- ✓ The improved wastewater treatment plant will meet the community's current and future needs.
- ✓ An expert team will be selected to design-build-operate Wilsonville's upgraded wastewater system.

Key Project Benchmarks

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7	Step 8
Council will approve Final Request for Proposals that will be distributed to the pre-qualified DBO teams.	Staff to review submitted proposals and choose DBO firm. Council will approve selection of DBO firm.	After public hearing process, Council will set sewer rates and approve bond sale.	Council will execute contract with selected DBO firm.	DBO firm will take on operations of wastewater treatment plant and collections system.	DBO firm will design and construct treatment plant improvements.	DBO firm will complete improvements and City will accept project.	DBO firm will continue operations of upgraded wastewater treatment plant.

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