



Department of
Natural Resources and Parks
Wastewater Treatment Division
King Street Center
KSC-NR-0505, 201 S. Jackson St.
Seattle, WA 98104-3855

Treatment Plant Open House

Saturday, April 19
10 a.m. to 2 p.m.

Oakesdale Ave SW and
SW 7th St entrance in Renton, WA

- Tour the wastewater treatment plant
- Walk WaterWorks Gardens
- Learn how to build a rain garden
- Green home and water quality information and displays

See inside for more information



Alternative formats available

206-684-1280 or TTY Relay: 711

<http://dnr.metrokc.gov/wtd/>

Printed on recycled stock. Please recycle.
0803southPLnews.indd skrau 12/20/07

FIRST PHASE OF ODOR CONTROL UPGRADES COMPLETE!

In 2003, the King County Council passed an ordinance requiring upgrades of odor control systems at both regional wastewater treatment facilities. Expert noses identified the most odoriferous sources at South Plant and expert engineers designed a system to capture and remove them. The plan at South Plant is in three phases with evaluation time set in between each phase. The first phase is now complete. The first pass of the aeration basins and the return activated sludge channel won the most odiferous award—they are now covered and duct work and an odor scrubber have been installed. The scrubber removes foul air compounds from the airstream prior to release. Thanks go to the construction management team of Keven Sandquist, Kim Kingsbury and Doug Morfeld, and the contractor, Prospect Construction, for delivering a very successful project.

Being a good neighbor by controlling odors is a part of the normal operation of our treatment facility. We continuously monitor our existing treatment plants, pipeline network and pump stations for odor releases and we respond in the following ways:

- Add chemicals at certain points in our pipeline network
- Install odor scrubbers using either wet chemicals or activated carbon in high-odor areas
- Chlorinate wastewater entering the treatment plant
- Continually explore solutions to odor issues
- Respond immediately to citizen complaints.

The Wastewater Treatment Division makes every effort to respond to odor complaints promptly and effectively. The South Treatment Plant Odor Control Hotline is 206-684-2404.



1966



1996

As the treatment plant has gotten more neighbors, more advanced odor control methods have been implemented.

PRESORTED
STANDARD
U.S. POSTAGE
PAID
SEATTLE, WA
PERMIT NO. 836



King County
Department of
Natural Resources and Parks
Wastewater Treatment
Division



South Plant NEWS

A newsletter updating the neighbors of the South Treatment Plant

Spring 2008

Please join us for an Earth Day Open House at South Treatment Plant in Renton

Come for some...or the whole shebang!

WHEN: Saturday, April 19, 2008 10 a.m. to 2 p.m.

WHERE: Follow signs from the plant entrance at the intersection of Oakesdale Avenue SW and SW 7th Street in Renton

HIGHLIGHTS:

- Tours of WaterWorks Gardens wetland, art and stormwater treatment park
- Wastewater treatment plant tours
- Learn how to build a rain garden in your backyard with an expert!

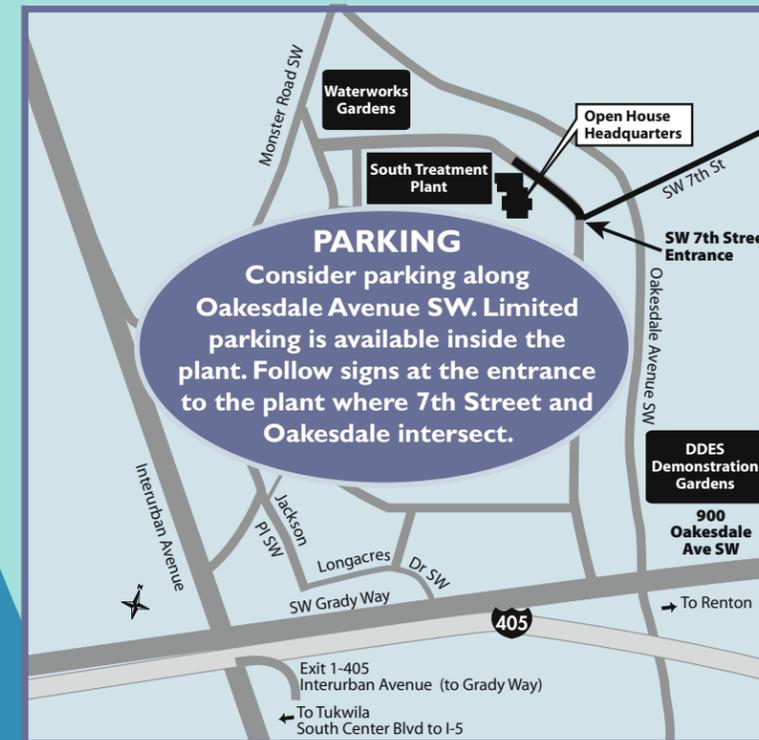
Brice Maryman, ASLA, LEED AP, works for SvR Design Company, a forward-thinking firm that has designed, planned and built green infrastructure for the last two decades. Specializing in sustainable solutions, they excel at fusing natural systems with urban infrastructure to create high-performance landscapes. Brice will share his expertise about building a rain garden.



Waterworks Garden



What happens after you flush or brush? Find out on a fascinating tour of the plant.



SCHEDULE

Open House
10 a.m. to 2 p.m.
Refreshments and displays in the South Plant Dewatering Building. Meeting place for tours and talks.

Treatment plant tours
10:30 a.m. 12 p.m.

Building a rain garden
11 a.m. 1 p.m.

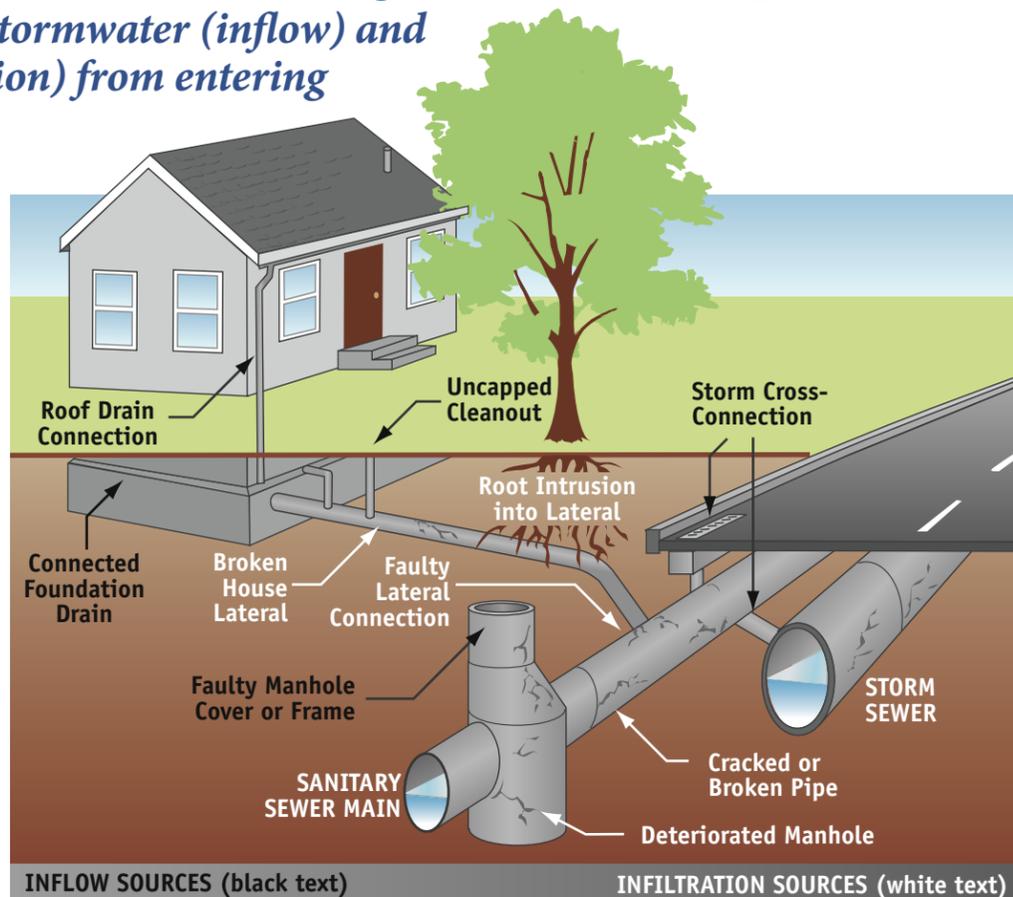
Waterworks Gardens tours
11 a.m. 12 p.m. 1 p.m.

Questions? Call 206-296-8361

Clean Water doesn't belong in Sewer Pipes!

Why and how to stop stormwater (inflow) and groundwater (infiltration) from entering sewer pipes

Clean water that flows into sewer pipes from storm water and groundwater is called infiltration and inflow. Stormwater (inflow) flows into sewer pipes via roof drain downspouts, foundation drains, storm drain cross connections and holes in manhole covers. Groundwater (infiltration) seeps into sewer pipes through holes, cracks, joint failures and faulty connections. Most of this extra water gets in because of aging infrastructure.



Why is this a problem?

To convey and treat wastewater costs money. Extra water in the conveyance system means we have to build larger pipes and storage to handle higher flows during wet weather. Any water that comes to the plant goes through treatment so it costs lots of money to treat rainwater and groundwater. Treatment plants, pump stations and sewer lines all have to be built to handle peak flows.

We estimate that inflow and infiltration makes up 75 percent of peak flows during winter, and much of this comes from private property.

Higher flows contribute to sewer system overflows into the region's waterways and occasionally (and what we really work to avoid) into homes.

What are we doing?

King County is making investments to control inflow and infiltration. We have completed pilot projects and will select two projects this year. These will be designed and constructed over the next few years. King County works closely with local sewer agencies who operate most of the local collection systems. A list of local sewer service providers is available on the Web.

What can you do?

Inspect your roof gutters and downspouts to see if they are connected to the sewer system. If so, have them disconnected and divert or store the flow.

Direct downspouts onto lawn and garden beds. A great resource on building a rain garden has been produced by WSU Pierce County Extension, [Rain Garden Handbook for Western Washington Homeowners](#). Copies will be available at our open house or by calling 206-263-7321.

Hook up a rainbarrel or cistern to your downspouts. Valuable information is available at <http://dnr.metrokc.gov/wlr/PI/rainbarrels.htm>. Another great Web site with information on both rainbarrels and rain gardens is <http://www.dcgreenworks.org/LID/downspout.html>.

For more information contact Maryann Petrocelli at 206-263-7321 or maryann.petrocelli@kingcounty.gov or visit the Web site at <http://dnr.metrokc.gov/wtd/i-i/>.



Protecting water quality starts with each of us!

For more information on things you can do to protect the environment, visit: <http://dnr.metrokc.gov/wtd/community/thingstodo.htm>.



Tours and Brochures are Available

Want to learn more about how wastewater is treated?

Learn about the treatment process and how we produce resources from wastewater (energy, reclaimed water and biosolids), and how we protect public health and the environment. Tours are available for schools, community, environmental and professional groups, and interested individuals.

To schedule a tour or request a brochure, call 206-296-8286.



Join us on a tour!



Construction Of New Administration Building Underway

Construction on a new administration building for the South Treatment Plant got started last fall and is expected to be finished spring 2009. The old building needed some safety features and the laboratory was in need of upgrades. After reviewing a number of options, the county decided to construct a new building because it was the most cost-effective option.

Artist renderings of the new administration building, scheduled to be complete next spring.



EAST ELEVATION

The new building will offer lots of light, an up-to-date lab facility, more conference rooms, beautiful landscaping (retaining the original fragrant garden), more day rooms and nice offices with lots of windows.

The Administration Building won a 2007 Excellence in Building Green Award for all its sustainable features and for the amount of materials from the old building that were recycled and reused.



NORTH ELEVATION

We're using water wisely by watering with reclaimed water

King County is doing research on irrigating a variety of plants with reclaimed water. You can visit the demonstration greenhouse on April 19th during the open house.



Want to get on a mailing list to receive updates about South Plant happenings?

Contact Jo Sullivan at 206-296-8361 or jo.sullivan@metrokc.gov.