



King County

Department of Natural Resources and Parks

Wastewater Treatment Division

201 S. Jackson St., KSC-NR-0505
Seattle, WA 98104-3855



**CELEBRATE THE COMPLETION OF THE
VASHON WASTEWATER
TREATMENT PLANT!**

**Open House Saturday, May 12, 2007
10 a.m. - noon**

**Thanks to all who made
this possible**

Skills of all sorts were a part of bringing this project to completion. We would like to thank the many staff involved in the operation and maintenance of the old plant, permitting, design, construction start up, and ongoing operations of this plant. In addition to Wastewater Treatment Division staff, TetraTech/KCM and their subcontractors helped with the engineering and design of the facility. Hollinger Construction and their subcontractors built the plant.


Kudos go to a fabulous start up crew which included **Pete Carter, Greg Burnham, Ken Bergstrom, Don Hoffman, Greg Brock** and **Jim Benedict**.

Thank you to all who contributed their skill and know-how to get us to this point.

We would also like to extend a special thanks to the neighbors of the plant.

Alternative Formats on Request .

Call 206-296-8361 (voice) or 711 (TTY).

 Printed on recycled stock. Please recycle.
0704VashonUpdate.indd sk



King County

Department of
Natural Resources and Parks
Wastewater Treatment Division

VASHON WASTEWATER TREATMENT PLANT

ProjectUPDATE

Spring 2007

CELEBRATE THE COMPLETION OF THE VASHON WASTEWATER TREATMENT PLANT!

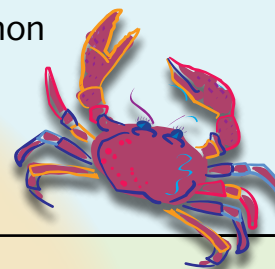
PLEASE JOIN King County Executive Ron Sims, County Councilmember Dow Constantine, and Wastewater Treatment Division staff at this open house of the newly completed wastewater treatment plant on Vashon Island.

WHEN:

**Saturday, May 12
10 a.m. - noon**

WHERE:

Vashon Island Wastewater
Treatment Plant
9615 SW 171st Street
Vashon

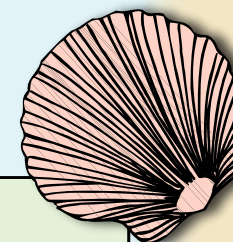
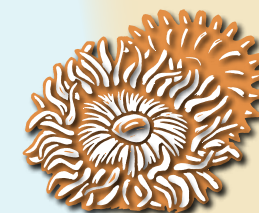
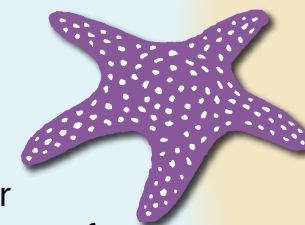


WHAT:

An official "ribbon cutting" ceremony celebrating the completion of this project with plant tours, refreshments, and information on wastewater treatment and how this plant helps the environment and Puget Sound.

WHO:

Plant neighbors, community members, and anyone interested in seeing the remarkable process of cleaning the wastewater that comes from local homes and businesses.



WE'RE DONE! The new Vashon Wastewater Treatment Plant is on-line and operating well.

Construction is complete on the new wastewater treatment plant that's now protecting public health, water quality and local beaches for Vashon Island residents. The plant treats sewage from the Vashon Sewer District, which serves about 425 residential and commercial customers in and around the island's main business area.

The new plant is able to handle Vashon's present and future wastewater treatment needs. It also has safe and reliable back up systems.

Positive Benefits for the Puget Sound

As part of the project, the treatment plant outfall pipe was extended an extra 1,450 feet into the Puget Sound. The pipe now discharges 2,800 feet offshore and out of the range of geoduck beds in the area.

Mitigation for the outfall project included the removal of 5.3 acres of derelict gill nets in Colvos Passage and Shilshole Bay. Abandoned, lost and discarded fishing gear can cause safety problems in marine waters for divers and sea life.

The Vashon "Experience Clean Water Project"

Collection system operated by Vashon Sewer District



Vashon Resident, Christie True, to Head Wastewater Treatment Division

Selected for her extensive experience in both wastewater operations and major capital project management, Christie True became director of King County's Wastewater Treatment Division on March 21, 2007.

True replaces retiring division director Don Theiler, who served in the position since 1997.

"Christie's long and successful history in the wastewater program, combined with her leadership and management skills, make her the ideal person to head the division," said King County Executive Ron Sims. "It is gratifying to be able to hire someone so capable from within the division who can help WTD maintain stability and continue to thrive as future challenges arise."

Vashon resident, Christie True is a 22-year employee with King County, where she most recently served as the manager of the Wastewater Treatment Division's Major Capital Improvement Program. She has successfully overseen a \$250 million annual budget that includes construction on the county's \$1.62 billion Brightwater Treatment Plant.

True was recently named **Local Official of the Year for 2006** by the National Association of Home Builders for her work on the Brightwater project.

- 1 Sewage arrives at old plant site for treatment. The old plant is now used for:
 - backup storage during heavy rains
 - backup treatment if needed
 - biosolids storage and transport to South Plant



- 2 Sewage crosses a utility bridge to pre-treatment.

- 3 Pre-treatment removes garbage from the wastewater.



- 4 Wastewater goes to the oxidation ditch where hungry bugs and bacteria eat contaminants.

The operator's job is like a zookeeper—he needs to keep the bugs happy and eating by making sure they have optimum levels of pH and oxygen.



- 5 Wastewater proceeds to the clarifier where solids and bacteria fall to the bottom and are collected to be treated and turned into biosolids. The clear water is ready for disinfection.



- 6 The water gets disinfected with ultraviolet light which is very effective and less harmful than chlorine.



Aerial photo taken during construction

- 7 A pipe carries the treated water to a discharge point 2,800 feet offshore



- 8 Stormwater retention pond



- 9 Administration building (includes water quality laboratory)



- 10 Electrical building

