

Replacing emergency diesel pumps for Hanford's water supply



Public Comment Period: May 14 through June 13, 2007

The purpose of the project:

Install and operate three diesel engines to pump water.

Install one or two diesel fuel storage tanks at the 182B pump house and reservoir.

Test and repair a diesel storage tank at the 181B pumping station.

Install about 2,000 feet of water pipeline and two new fire hydrants.

Install a sprinkler system for fire suppression in the pumping station.



Pump controls and water lines that take water from the river to Hanford's Central Plateau. The new diesels provide backup power for pumps

The Washington State Department of Ecology (Ecology) invites you to comment on a proposed Notice of Construction for the "100B Export Water Enhancements (Project L-626)."

The U.S. Department of Energy, Richland Operations Office wants to replace five old diesel engines with three new diesel engines. The engines support the water intake system at the Columbia River shoreline near the B Reactor. It is the water supply for the Hanford Site's Central Plateau. The water is for fire suppression, drinking, and various processes.

The system in place now is more than 60 years old. The emergency backup system needs to be upgraded to ensure that it will work properly.

These engines will only be used during a power outage, and for periodic testing. The engines will pump water from the Columbia River and from the holding reservoir to the site's water supply grid. One of the engines is the backup to pump river water to the reservoir. The other two engines are the backups to pump the water from the reservoirs to the Hanford water supply grid. The engines will be regulated as "emergency use" engines under the Federal Clean Air Act and Washington's implementing regulations (WAC 173-400 and 173-460).

Two of the new engines will be less than 900 horsepower and the third engine will be less than 450 horsepower. The new diesel engines meet 2007 Environmental Protection Agency emission standards and are much cleaner than the older diesels they replace. The construction should start in late June and end by December 2007.

How to learn more about the proposal

The documents related to this proposal are available online at <http://www.ecy.wa.gov/programs/nwp/commentperiods.htm>. You can review the proposal at Ecology's Nuclear Waste Program Resource Center. For a viewing appointment call 509.372.7920. You can also review the proposal at Hanford's Public Information Repositories, listed on reverse

Ecology has not planned to hold a public hearing, but will consider all requests. If you have further questions, or to request a hearing, please contact Madeleine Brown, 509.372.7936 or mabr461@ecy.wa.gov.

How do you make a comment?

Send all comments by
Wednesday, June 13, 2007 to:

Doug Hendrickson, P.E.

Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Blvd
Richland Washington 99354
Phone 509.372.7983
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HANFORD PUBLIC INFORMATION REPOSITORIES

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Consolidated Information Center, Room
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2770 University Dr.
Attn: Janice Parthree 509-372-7443

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If you need this publication in an alternate format, please call the Nuclear Waste Program at 509-372-7950. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

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Richland Operations Office, PO. Box 550, Richland, WA 99352.

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