

Engineering Evaluation/Cost Analysis for 200-BP-5 Operable Unit Groundwater Extraction

The U.S. Department of Energy Richland Operations Office (DOE-RL) is holding a 30-day comment period on an Engineering Analysis/Cost Evaluation (EE/CA) for the 200-BP-5 Area Operable Unit (OU). The EE/CA evaluates alternatives for a non-time critical removal action consisting of the extraction and treatment of groundwater from the 200-BP-5 Operable Unit, located in the 200 East Area of the Hanford Site.

April 2016

U.S. Department of Energy

The U.S. Department of Energy (DOE), Richland Operations Office (RL) is proposing to pump contaminated groundwater from existing extraction wells in the 200-BP-5 Operable Unit (OU), located in the 200 East Area of the Hanford Site, and treat extracted water at the 200 West Pump-and-Treat Facility.

DOE-RL has prepared an EE/CA to evaluate alternatives for the extraction and treatment of groundwater in the 200-BP-5 OU. An EE/CA identifies the objectives of the removal action and analyzes the effectiveness, implementability, and cost of various alternatives that may satisfy these objectives.

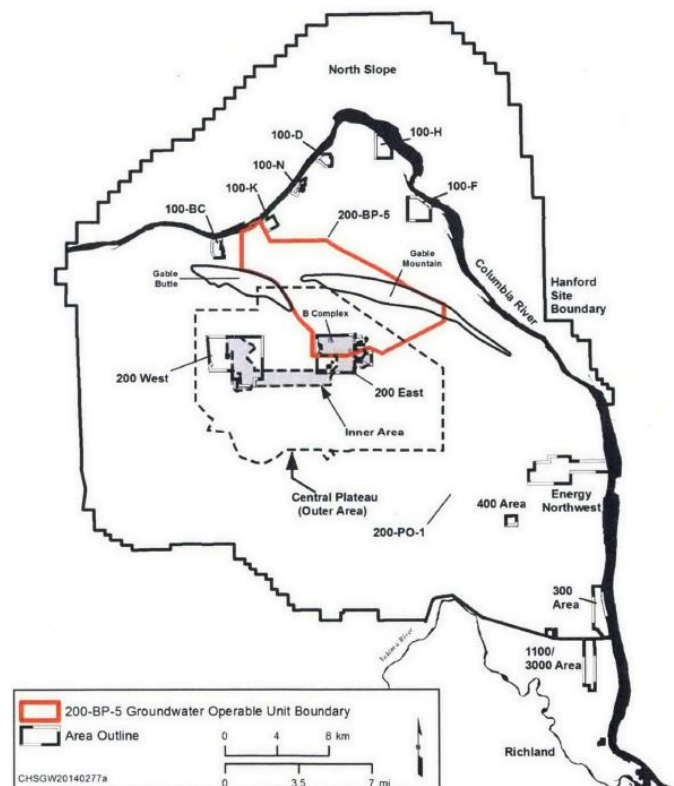
The 200-BP-5 OU contains contaminant plumes in the groundwater in the vicinity of the B Complex Area, which includes the BX, BY, and B Tank Farms. These plumes contain elevated levels of technetium-99, uranium, and nitrate.

RL is considering two alternatives:

- **Alternative 1: No Action.**
- **Alternative 2: Pump contaminated groundwater from existing extraction well(s) in the vicinity of the B-BX-BY Tank Farm and treat extracted water at the 200 West Pump-and-Treat Facility.**

The recommended alternative for this removal action is Alternative 2. Alternative 1 does not address potential threats to human health and the environment posed by the contaminant present. Alternative 2 is an effective, implementable, and cost-effective method of treating the contaminants present in the 200-BP-5 OU.

The Record of Decision for 200-BP-5 is expected to be announced in June 2018.





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The public comment period for this EE/CA will run from April 18, 2016, until May 20, 2016. The DOE-RL contact person for this EE/CA is Kris Holmes, (509) 376-5803.

Copies of the EE/CA and supporting documentation are available at the Administrative Record, 2440 Stevens Drive, Richland, WA or online: <http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0077225H>

The documents are available for review at the Public Information Repositories listed below

HANFORD PUBLIC INFORMATION REPOSITORY LOCATIONS

Portland

Portland State University Library
Government Information
Branford Price Millar Library – LIBW
PO Box 1151
Portland, OR 97207-1151
Attn: Claudia Irla (503) 725-4542
Map: <http://bit.ly/1K7BfuK>

Richland

U.S. Department of Energy Public Reading Room
Washington State University, Tri-Cities
Consolidated Information Center, Room 101-L
2770 University Drive
Richland, WA 99352
Attn: Janice Scarano (509) 375-7443
Map: <http://bit.ly/1LpZKUa>

Seattle

University of Washington
Suzzallo Library
Box 352900
Seattle, WA 98195-2900
Attn: Hilary Reinert c/o ARCS
(206) 543-5597
Map: <http://bit.ly/1QMtUog>

Spokane

Gonzaga University
Foley Center Library
East 502 Boone Avenue
Spokane, WA 99258
Attn: John Spencer (509) 313-6110
Map: <http://bit.ly/1Cp0mRT>

Administrative Record and Public Information Repository

2440 Stevens Center Place, Room 1101, Richland, WA

509-376-2530

<http://pdw.hanford.gov/arpir/>