



Public Comment Period Begins for 100-F and Isolated Unit Area

The Hanford Tri-Party Agreement (TPA) agencies — the U.S. Department of Energy (DOE), the U.S. Environmental Protection Agency (EPA), and the Washington State Department of Ecology (Ecology) — request your input on the Proposed Plan for cleanup of contaminated sites and groundwater in the 100-F and Isolated Unit (IU) Area of the Hanford site in southeastern Washington. The Proposed Plan presents cleanup options and identifies preferred alternatives. The 60-day public comment period begins June 9, 2014 and closes August 11, 2014. The agencies have extended the comment period from 30 to 60 days in response to early stakeholder requests.

Background

Situated along the south bank of the Columbia River, the 100-F/IU Area is home to the cocooned F Reactor, built in the 1940s to produce plutonium for the Manhattan Project. The reactor supported national defense missions until its shutdown in June 1965. The 20-plus-year operating life of F Reactor and its ancillary facilities generated large quantities of liquid and solid wastes contaminated with radionuclides and hazardous chemicals. The IU area is located between the reactor areas along the river and central Hanford.

DOE and its cleanup contractors have demolished 112 facilities and removed 1.5 million tons of contaminated material as part of cleanup operations in the two-square-mile F Area.

Public Involvement Opportunity

WHAT: Provide input on the **Proposed Plan** for cleanup of contaminated sites in the 100-F/IU Area along the Columbia River

WHEN: June 9 – August 11, 2014

HOW: Participate in the process by

- Commenting on the Proposed Plan available at <http://pdw.hanford.gov/arpir/> or at public information repositories (see back page)
- Participating in the public meeting

Wednesday, June 25 | 6 p.m.
Best Western Hood River Inn
1108 East Marina Way
Hood River, Oregon

Unable to attend? Register for the webinar by visiting <https://www3.gotomeeting.com/register/842987390>.

In addition, more than 500,000 tons of contaminated material have been removed from the IU areas. While substantial cleanup has been completed, additional work is needed.

The 100-F/IU Proposed Plan discusses remaining cleanup concerns in the area and proposes actions to address them.

About the 100-F/IU Proposed Plan

DOE has developed a proposed plan under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) for cleanup of remaining soil and groundwater contamination in the 100-F/IU areas. The proposed plan addresses contaminated soil in four source operable units (OUs) (100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6) and contaminated groundwater in the 100-FR-3 OU. These five OUs are referred to collectively as 100-F/IU, depicted at the right. This is the second of six long-term cleanup decisions planned for sites along the Columbia River. The first of these six long-term decisions, the 300 Area Record of Decision, was issued in November 2013.

Alternatives Evaluated

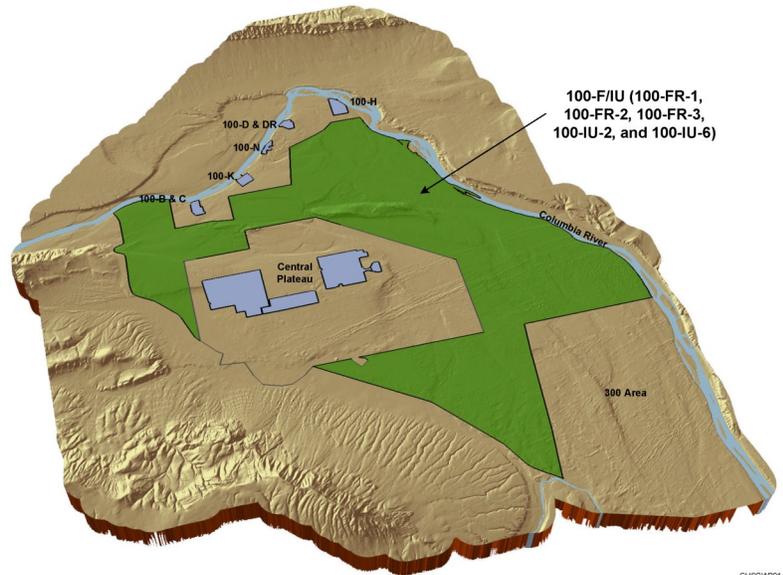
The proposed plan for soil presents two remediation options and identifies a preferred alternative. For groundwater, the proposed plan presents four remediation alternatives and also identifies a preferred alternative. Details for each alternative are on the next page.

Preferred Alternatives

Based on the results of the detailed and comparative evaluation, the following preferred alternatives are proposed:

Soil

Alternative S-2 – removal, treatment, and disposal (RTD) and Institutional Controls (ICs) – is preferred. RTD is used to excavate contaminated soil from waste sites; ICs are used to control access to residual contaminants in soil.



Groundwater

Alternative GW-2 – Monitored Natural Attenuation (MNA) and ICs – is preferred. MNA is the decrease of contamination through natural processes such as radioactive decay, chemical stabilization, sorption or biodegradation. ICs prevent exposure to contaminated groundwater until cleanup is achieved.

The preferred alternatives are protective of human health and the environment, comply with applicable requirements, and are cost effective.

Comment

Download the document from <http://pdw.hanford.gov/arpir/> or visit a public information repository (see back page).

Send your comments to:

Kim Ballinger
U.S. Department of Energy
Richland Operations Office
P.O. Box 550, A7-75
Richland, WA 99352

Email — 100FIUPP@rl.gov

Call —
the Hanford Cleanup Hotline at 800-321-2008



Attend

Join us for the public meeting:

Wednesday, June 25 | 6 p.m.

Best Western
Hood River Inn
1108 East Marina Way
Hood River, Oregon

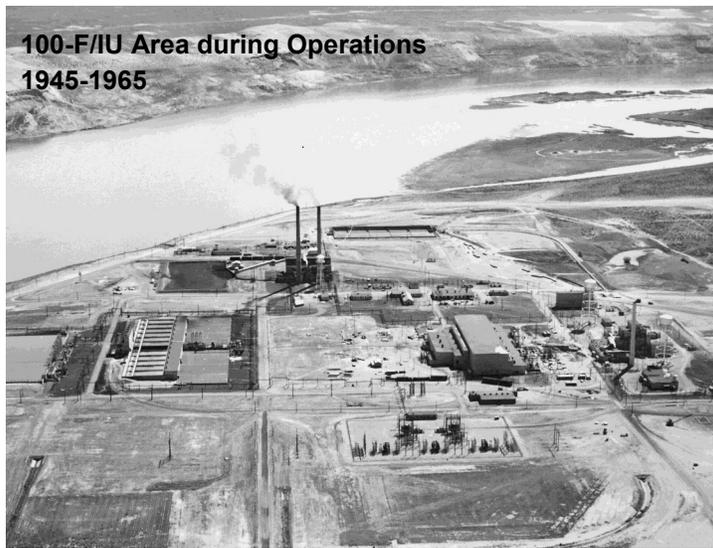
6-6:30 p.m. – Open house

6:30-7:30 p.m. – Presentations

7:30-8:30 p.m. – Public comment

A webinar will be held in conjunction with the meeting; visit <https://www3.gotomeeting.com/register/842987390> to register.





100-F/IU Area during Operations
1945-1965



100-F/IU Area post Cleanup
2013

Alternatives Evaluated

The proposed plan for soil presents two remediation options and identifies a preferred alternative. For groundwater, the proposed plan presents four remediation options and also identifies a preferred alternative.

	Alternative	Components	Timeframe	Cost
Soil	S-1 No Action	-	-	-
✓	S-2 Removal, Treatment, and Disposal and Institutional Controls	<ul style="list-style-type: none"> Excavate contaminated soil and debris, treat to meet land disposal restrictions, and dispose of; backfill, re-contour, and plant with native vegetation Institutional Controls to prevent exposure to residual contamination 	3-5 years	\$21 million
Groundwater	GW-1 No Action	-	-	-
✓	GW-2 Monitored Natural Attenuation and Institutional Controls	<ul style="list-style-type: none"> Natural Attenuation to reduce contaminants of concern Institutional Controls to prevent exposure Monitoring—additional wells to track cleanup progress 	Chromium — 35 years Strontium-90 — 150 years Nitrate — 80 years Trichloroethene — 50 years	~\$36 million
	GW-3 Pump and Treat with In-Situ Treatment and Monitored Natural Attenuation	<ul style="list-style-type: none"> Pump and treat system in source area with in-situ treatment of nitrate, chromium and trichloroethene Natural Attenuation for part of the nitrate contamination 	Chromium — 5 years Strontium-90 — 150 years Nitrate — 75 years Trichloroethene — 10 years	~\$177 million
	GW-4 Enhanced Pump and Treat	<ul style="list-style-type: none"> Extensive pump and treat system for entire nitrate plume 	Chromium — 10 years Strontium-90 — 150 years Nitrate — 25 years Trichloroethene — 10 years	~\$194 million

✓ Denotes Preferred Alternative

Participate

Tribal Nations, Hanford stakeholders, and the public are encouraged to read and provide comments on the alternatives presented in the 100-F/IU Proposed Plan; the Preferred Alternative could be modified or another alternative selected in response to public input. Following comment evaluation, the Tri-Party Agreement agencies will issue a Record of Decision identifying the final cleanup alternative selected for implementation.

Comment

Visit <http://pdw.hanford.gov/arpir/> or a public information repository (see below) to secure a copy of the 100-F/IU Proposed Plan. Send your comments via email to 100FIUPP@rl.gov or hardcopy to Kim Ballinger, U.S. Department of Energy-Richland Operations Office, P.O. Box 550, A7-75, Richland, WA 99352.

Attend

A public meeting will be held on Wednesday, June 25 at 6 p.m. at the Best Western Hood River Inn on 1108 East Marina Way in Hood River. Unable to attend? Register for the webinar at <https://www3.gotomeeting.com/register/842987390>.



Public Information Repositories

Administrative Record and Public Information Repository

2440 Stevens Center Place, Room 1101 | Richland, WA | 509-376-2530 | <http://pdw.hanford.gov/arpir/>

Portland State University
Government Information
Branford Price Millar Library
1875 SW Park Avenue
Portland, OR 97207-1151
Attn: Claudia Weston
503-725-4542

University of Washington
Suzzallo Library
Government Publications
P.O. Box 352900
Seattle, WA 98195-2900
Attn: Hilary Reinert
206-543-5597

U.S. Department of Energy
Public Reading Room
Washington State, Tri-Cities
Consolidated Information Ctr, Rm.101-L
2770 Crimson Way Richland, WA 99352
Attn: Janice Parthree
509-372-7443

Gonzaga University
Foley Center Library
East 502 Boone Ave.
Spokane, WA
Attn: John Spencer
509-313-6110

100-F Area Proposed Plan
U.S. Department of Energy
Richland Operations Office
P.O. Box 550, A7-75
Richland, WA 99352