



DEPARTMENT OF
ECOLOGY
State of Washington

Department of Ecology Nuclear Waste Program

Jane Hedges, Manager

Update for Hanford Advisory Board
February 9, 2012

New Faces at Ecology



Andrea Prignano,
Lead permit writer



Greg Gauck,
Permit writer



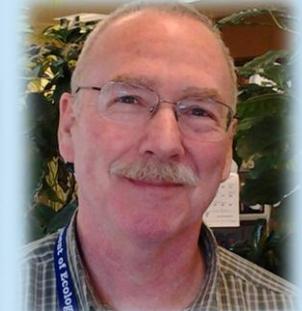
Maria Skorska,
Air permits



Phil Gent,
Air permits



Dwayne Crumpler,
Hydrogeologist



Steve Lowe,
Permit writer

New appointment:

Energy Secretary Chu appointed Jane to the Environmental Management Advisory Board (EMAB) in September 2011.

- Jane represents state regulator and National Governor's Association Federal Facilities Task Force.
- Board of up to 15 members advises EM Assistant Secretary.
- Members represent research facilities, academic institutions, regulatory entities, and stakeholder organizations.



Site-wide Permit Update

Status:

- On track for May 1 comment period start.

Production schedule:

March

- Formatting complete on draft permit.
- Begin printing permit.
- Public involvement materials drafted for meetings and web.
- Finish posting draft permit on website.

April

- Hard copy and e-copies of permit complete.
- SEPA determination signed.

Site-wide Permit Update

How to participate:

- February 16:
WebEx session to get input
on meeting dates & format
- Comment period:
May 1 – September 30
- Public workshop:
May 3, Richland
- Public meetings
(**dates tentative**)
 - Seattle and Vancouver
(week of May 14-18)
 - Spokane – June 4
 - Richland – June 6



Ron Skinnarland talks about the permit at a meeting of the American Society of Safety Engineers in Richland.

Site-wide Permit Update

Upcoming outreach:

- January 31: Richland Rotary Club - (completed)
- February 1: American Society of Safety Engineers (Richland - completed)
- February 9: Yakima Rotary
- February 21: Spokane West Rotary
- February 21: Association of Hazardous Materials Managers & guests (Seattle)
- February 23: Oregon State University (Corvallis)
– Joint presentations with Oregon Dept. of Energy
- March 6: Association of Hazardous Materials Managers (Seattle)
- March 20: Spokane Valley Rotary
- April 13: Spokane South Rotary



Ron Skinnarland speaks about the permit at a meeting of the Richland Rotary.

Site-wide Permit Update

B Plant

Closing Unit #24

- One of Hanford's five cruise-ship-sized processing plants built in 1943
- Extracted plutonium until 1952
- Wastes from B Plant went to [single-shell tanks](#) and to [cribs](#) and trenches. Solid contaminated wastes went to burial grounds. Gaseous emissions went to the air. Noncontaminated waste went to other landfills.
- In the 1960s and early 70s, B Plant recovered cesium and strontium from tank wastes to make storage of those wastes safer. (The recovered cesium and strontium are stored at the [Waste Encapsulation and Storage Facility](#) next door.)

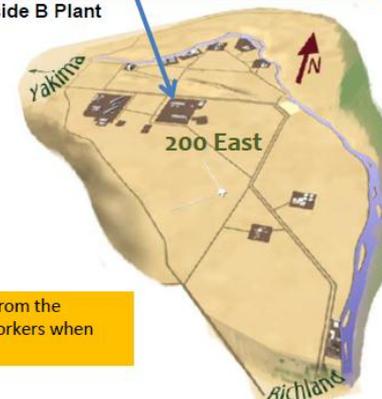
Permitting

- B Plant has several related facilities and permitted areas inside the complex.
- The Tri-Party Agreement agencies have agreed to address B Plant through Milestone 85-10A, due in June 2014. It requires submitting a remedial investigation and feasibility study work plan to Ecology.
- Closure will follow the [Comprehensive Environmental Response, Compensation and Liability Act](#) (CERCLA) process, so it will address the radioactive materials as well as the dangerous wastes under state authority.
- B Plant has dangerous waste management units, so it must be closed under the permit.
- Steps taken when B Plant shut down ensure it is safe and stable until final cleanup
- Final closure activities will be through a combination of CERCLA and permitting processes.

B Plant, not B Reactor!



Inside B Plant



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**What's
the risk?**

The chemical wastes at this unit do not pose much risk. There is greater risk from the radioactive materials USDOE regulates. There will also be industrial risk to workers when they tear down the building.

Protecting our air, land and water - today and for the future.

- “Baseball cards” of permit units posted on Ecology’s website.
- Thanks to HAB permit issue managers for their feedback!

Site-wide Permit Update

Work is under way on a color-coded map of permit units. The map will be added to the website and used for outreach.



**Hanford Facility
Dangerous Waste Permit Units**

1 LERF & EFT	17 331-C Storage	23 216-A 36B Crib	34 PUREX
2 242-A Evaporator	18 400 Area Waste	24 216-A 37-1 Crib	35 LLBG Used Trenches
3 325 Hazardous Waste	19 LLBG Trenches 31&34	25 216-S-10 Pond	36 300 Area Pro.
4 Central Waste Complex	15 LLBG Trench 94	26 241-CX Tank Sys.	37 183-H Solar Evap
5 WRAP	16 CA-1 Waste Man.	27 1706-KE Waste	38 1324-N & 1324-NA
6 222-S Dangerous Waste	17 CA-2 Groundwater	28 Hexone Storage	39 1325-N LWDF
7 T-Plant Complex	18 1301-N LWDF	29 NRDWL	
8 Waste Treatment Plant	19 Single Shell Tank Sys.	30 216-B-63 Trench	
9 IDF	20 600 Area Purge	31 216-B-3 Main Pond	
10 Double Shell Tank Sys.	21 207-A So. Ret. Basin	32 Grout Treatment Facility	
11 WESF	22 216-A 29 Ditch	33 B Plant	

Site-wide Permit Update

How to learn more:

- Our website
- FAQ
- Unit cards
- Permit's Fact Sheet
- Presentations
- Ask questions!



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Home | WATER | AIR | WASTE | CLEANUP | TOXIC HAZARDS | GREEN |

Programs Services Publications & Forms Databases Laws & Rules Public Involvement Calendar Public Records

Nuclear Waste

Keeping people and the environment safe from the dangers of mixed radioactive and chemically hazardous waste

NUCLEAR WASTE

- Hanford News
- About Hanford
- Projects
- Public Involvement
- Non-Hanford Work

Forms
Publications
Contacts

- Overseeing the U.S. Department of Energy's Hanford cleanup activities
- Regulating mixed wastes at the Puget Sound Naval Shipyard complex
- Regulating commercial nuclear facilities in the Tri-Cities area

ABOUT HANFORD

[News](#) | [Nuclear Waste Program History](#) | [Hanford History](#) | [Información General de Hanford en Español](#) | [Key Documents](#) | [Frequently Asked Questions](#) | [Contacts](#)

PROJECTS

[Groundwater](#) | [Hanford Facility Dangerous Waste Permit](#) | [Environmental Restoration Project](#) | [Tank Storage, Operations & Closure Project](#) | [Tank Waste Disposal Project](#) | [Facility Transition Project](#) | [Waste Management Project](#) | [More about projects...](#)

PUBLIC INVOLVEMENT

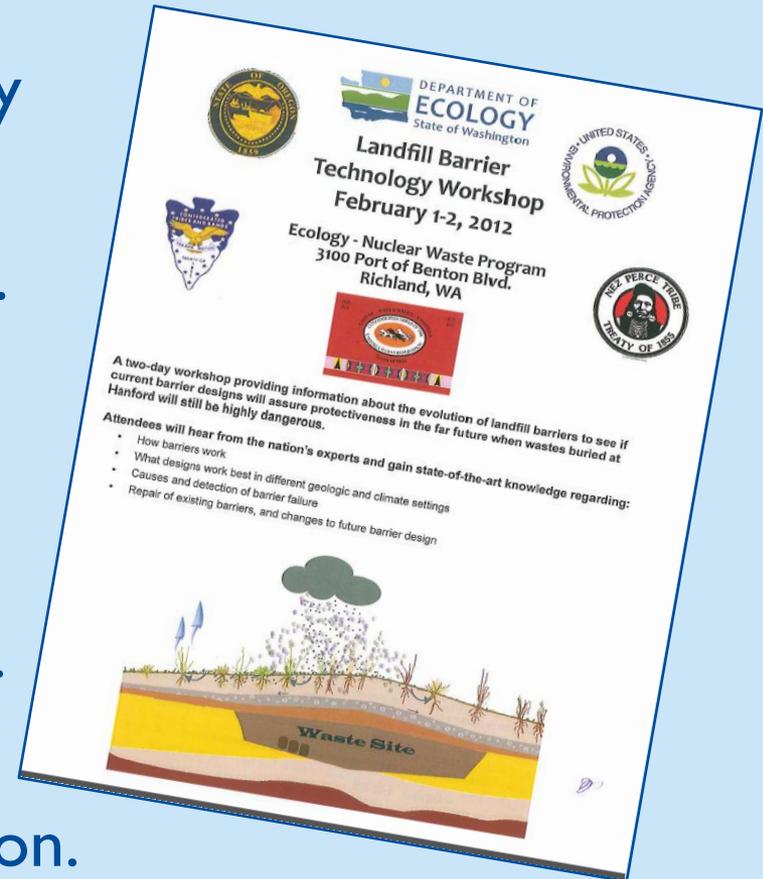
[USDOE Calendar](#) | [TPA Public Events Calendar](#) | [Public Comment Periods](#) | [Just for Kids](#) | [Mailing](#)

://www.ecy.wa.gov/programs/nwp/lrw/lrw.htm 

Nuclear Waste Program: www.ecy.wa.gov/programs/nwp

Landfill Barrier Workshop

- Technology workshop held at Ecology February 1 and 2.
- Hanford barrier tour held January 31.
- Sponsored by Ecology, Oregon, Tribes, and EPA.
- About 100 people attended each day (not including those joining via the web).
- Speakers included more than a dozen experts from across the nation.
- Many of the presentations are available by request.



Public Participation Grant Update

- PPG began the State 2011-13 biennium with \$2.5 million before about \$1.37 million was pulled due to statewide cuts.
- Governor's budget proposal now includes \$1.12 million in grants for stakeholder groups across the state for biennium.
- If approved, \$420,000 of this would go to four Hanford public interest groups.
- Senate Bill 6036 filed in January proposes eliminating PPG program.
- No action on bill has been taken by Legislature.

Education & Outreach

Ecology's sponsorship of the "Young Sportsman's Journal" hooked a lot of kids at the Tri-Cities Sportsmen Show in January.



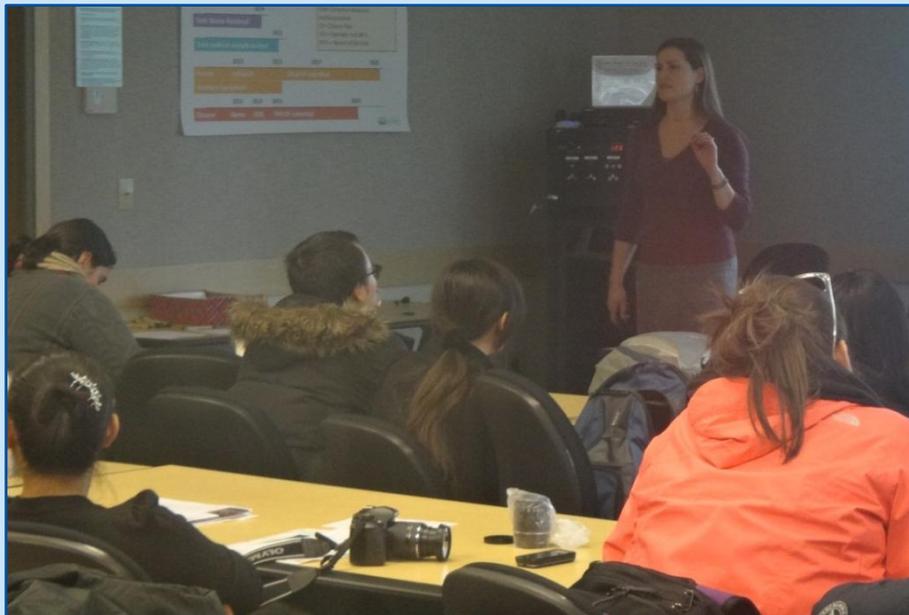
Education & Outreach

Madeleine & Ginger visited McLoughlin Middle School in Pasco to talk to students about Hanford and groundwater.



Education & Outreach

Erika and Dieter spoke with about 25 master's students from CWU who are studying environmental law and policy.



Questions?

Nuclear Waste Program
3100 Port of Benton Blvd.
Richland, WA 99354

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Dieter.Bohrmann@ecy.wa.gov

