

Overview of 100 Area Workshop

John Sands

Discussion Topics

- Should the reactor blocks be moved to the Central Plateau? If so, when?
- Should the N Area Sr-90 plume be monitored or remediated?
- Should river pipelines be removed or left in place?
- Are current waste site interim remedies sufficient to be final remedies?
- What post cleanup activities do you see for the 100 Area?

Reactors

- B Reactor mostly favored as a museum
 - Work needed to find suitable caretaker
 - Tribal participants wanted B reactor removed when safe to do so
- All agreed to allow reactors to be cocooned and left up to 75 years for radioactive decay, however opinion split on final end state of reactors
 - May prove safe to leave
 - Serve as reminder of Hanford site
 - Move to Central Plateau after sufficient radioactive decay
 - Do not presume technology
 - Avoid one piece removal to minimize environmental impact

N Area Sr-90 Groundwater Plume

- Opinion split on end state of Sr-90 plume
 - Monitor and impose institutional controls until contaminant decays to acceptable levels
 - Clean it up by whatever means necessary
- More technical data needed

More information needed to make recommendation on Reactor River Pipelines

- Some participants preferred removal
 - Considered trash
 - Short term ecological damage (i.e. salmon spawning grounds) okay
- Others said if the removal does more harm to workers and the environment than the risk posed from the pipelines than it would be okay to leave
 - pipelines should be stabilized to minimize future physical hazard of pipe breaking off and going downstream

General consensus that current waste site cleanup would be adequate as final remedy

- Unrestricted surface use
 - Dig up to 15 feet
 - Dig further if needed to prevent future groundwater contamination from irrigation
 - Institutional controls will be required to prevent digging below 15 feet and groundwater consumption until drinking water standards met.

100 Area Post-Cleanup Activities

- Near term (~50 years) activities are consistent with conservation and preservation (National monument) land use as long as Federal entity is in control
 - Preserving shrub steppe habitat
 - Resident ranger
 - Boating
 - Fishing
 - Hunting
 - Swimming
 - Hiking

100 Area Post-Cleanup Activities

- Long term or after a Federal entity no longer controls the land, a broader range of activities should be evaluated for purposes of exposure scenarios development and remedy selection
 - Same as near term activities
 - Residences
 - Hotels with swimming pools
 - Agriculture
 - Oil and gas leasing
- These broader range of activities are thought to inevitable to land near a monument but were not necessarily endorsed for future land use planning

What will be done with the Input?

- Reactors (except B)– Input will be reflected in the deliverable to the regulators due in September 2005 to submit an engineering evaluation for final reactor disposition
- Sr-90 plume – Continue CERCLA process including public participation
- B Reactor – This information will be reflected in submittal of the final configuration determination to EPA due September 2005. DOE is looking at delaying decision as long as it does not impact River Corridor contract.
- Reactor pipelines in river – This information will be used in the engineering evaluation for the river pipelines due to the regulators in July 2005
- Activities – will be reflected in the development of exposure scenarios for the River Corridor risk assessment.