

September 10, 2004

Keith Klein, Manager
U.S. Department of Energy, Richland Operations
P.O. Box 550 (A7-50)
Richland, WA 99352

Ron Kreizeneeck, Regional Administrator
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue
Seattle, WA 98101

Linda Hoffman, Director
Washington State Department of Ecology
P.O. Box 47600
Olympia, WA 98504-7600

Subject: Risk Assessment Work Plan for the 100 Area and 300 Area Component of the River Corridor Baseline Risk Assessment (RCBRA)

Dear Mssrs. Klein, Kreizeneeck, and Ms. Hoffman,

The Hanford Advisory Board (Board) has a long history of input on both risk assessments and cleanup activities in the river corridor. This advice is intended to provide input to final remedial decisions in the river corridor and the River Corridor Baseline Risk Assessment (RCBRA).

While divisions between geographic areas and contaminant sources are necessary for regulatory and logistical purposes, the Department of Energy (DOE) should ultimately integrate all Hanford geographic areas and contaminant sources to support final remedial decisions. Therefore, DOE should outline how Hanford's multiple risk assessments will provide an integrated, comprehensive view of risk.

Consistent with Board Advice #135, the 100 and 300 Areas RCBRA should consider the arrival of groundwater plumes from the 200 Area.

Several exposure scenarios in the RCBRA include groundwater consumption. This is consistent with past Board advice and the recent 100 Area End States workshop. However, it is not clear whether groundwater consumption will be included in exposure scenarios in both the 100 and 300 Areas or only in the 100 Area. Therefore, the river corridor risk assessment exposure scenarios should include groundwater consumption in both the 100 and 300 Areas.

Advice

- DOE should outline how Hanford's multiple risk assessments will provide an integrated, comprehensive view of risk.
- The 100 and 300 Areas RCBRA should consider the arrival of groundwater plumes from the 200 Area.
- The river corridor risk assessment exposure scenarios should include groundwater consumption in both the 100 and 300 Areas.

The Board expects the RCBRA will provide results that credibly support final remedial decisions and, ultimately, closure of the river corridor.

Sincerely,

Todd Martin, Chair
Hanford Advisory Board

This advice represents HAB consensus for this specific topic. It should not be taken out of context to extrapolate Board agreement on other subject matters.

cc: Roy Schepens, Manager, U.S. Department of Energy, Office of River Protection
Howard Gnann, Deputy Designated Federal Official, U.S. Department of Energy
Dan Opalski, Environmental Protection Agency
Michael Wilson, Washington State Department of Ecology
Sandra Waisley, U.S. Department of Energy Headquarters
The Oregon and Washington Congressional Delegations

U.S. Senators (OR)

Gordon H Smith
Ron Wyden

U.S. Senators (WA)

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Patty Murray

U.S. Representatives (OR)

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Brian Baird
Norm Dicks
Jennifer Dunn
Jay Inslee
Richard Hastings
Rick Larsen
Jim McDermott
George Nethercutt
Adam Smith

State Senators (WA)

Pat Hale
Mike Hewitt

State Representatives (WA)

Jerome Delvin
Shirley Hankins