

100 Area End State Workshop, June 23 – 24, 2004

100 Area Reactors Breakout

Question: Should the reactor blocks be moved to the Central Plateau? If so, should they be moved now or at the end of an interim storage period?

The following is the overall summary developed by the entire group

All Cores Except B Reactor

- Interim Safe Storage (ISS) in place for up to 75 years (EIS ROD)
 - Allow cobalt-60 to decay – lower worker dose
- Safe Storage Attributes
 - 75 year life (based on roof; concrete shield robust)
 - Evaluate airplane impact
 - Inspect cocoon/core periodically (5 year Review)
 - Not source of contamination outside cocoon
- All believe final remedy required – split on decision to move
 - May prove safe to leave, but other factors may drive move
 - If left, may provide “reminder” of Hanford Site
- Native American participants comfortable with leaving for a while, but strongly want ultimate move
- Allow time before final disposition decision. But, most preferably before DOE closes Site (e.g., 2035 allows significant cobalt-60 decay)
- Don’t presume final disposition or technology – make and execute decision in future
 - Make future removal possible – funding concern – trust fund may be OK
 - Can’t decide now where will be moved – 200 Area possible
 - Consider also:
 - Aesthetics
 - Consolidation for ICs
 - Interference with/by anticipated 100 Area Uses
- Look for new technologies that become available
 - Can’t predict now what might be available
 - Evaluate in periodic (e.g., 5 year) reviews
- One-piece move should be avoided if possible
 - Road building/removal for transporter will impact environment
 - C-14 release potential may complicate

B Reactor

- Has Important Historical Value
 - Very strong support for museum option
 - Must be in safe configuration
 - Safe as is for 10 years operation and maintenance (O&M); roof replacement then
 - Will need restrictions for anticipated 100 Area land uses
 - Consider separation from core
 - Relocate important features to highway

- Important factors in timing for museum/preservation determination
 - Identifying funding
 - 2005 TPA milestone may drive decision before funding identified
 - milestone extension OK if in safe configuration
 - Development of Monument plans
 - Consider with ISS path for other Reactors
 - Evaluate O&M and ISS for B Reactor for 75 years