

Hanford NRDA: Moving Forward

Prepared for:
Hanford Natural Resources Trustee Council

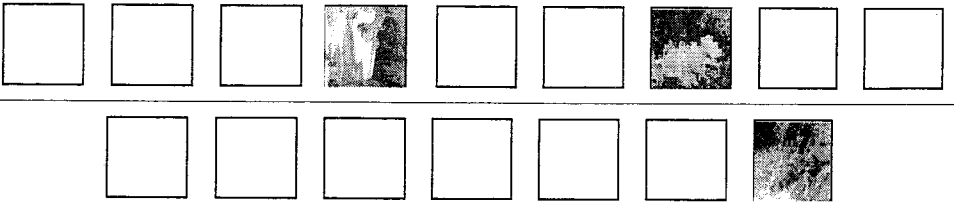
Jamie Holmes and David Chapman
Stratus Consulting Inc.
Boulder, CO
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Outline

- Summary of 6/1 discussion
- Tasks for the next 3 - 4 months
- Tasks for the ensuing 18 months



Yesterday's News



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Schedule

- Phase 1 scheduled to end 6/30
 - Trustee comments due 6/16
 - Stratus summary/response 6/19
 - Trustee conference call 6/22
 - Stratus final: 6/30
- Final deliverable date subject to change pending Trustee's needs and Phase 1.5 decision




Data Report

- All recommendations will be consolidated in final report
- Include more on data management plan
 - Who?
 - What software?
 - How might process work?

Spatial Extent of Aquatic Injury

- Possible injuries upstream of Priest Rapids
 - Fallout
 - Biotic vectors
- Include in CSM

Closure Facilities

- Discuss evidence of/potential for uncontrolled releases from ERDF, others
- Include “waste treatment” as response action stressor
- Include US Ecology as potential Hanford/DOE closure facility



1100 Area

- Include in CSM and injury assessment
 - Horn Rapids institutional controls
 - Buried contamination



Air Resources

- Recognize importance of air as a pathway
 - Reserve discussion of air injury
 - Lower priority
- Classified air release data
 - Need to discuss if/how to approach this


Uncertainty

- Trustees/TWGs need to discuss approach to uncertainty
 - How bad was it in the past?
 - How many samples?
 - Over how much area?



Uncertainty (cont.)

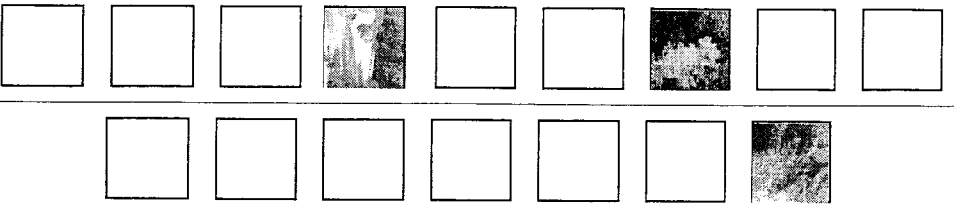
- Stratus can provide examples of how uncertainty has been addressed in other NRDAs
 - Conservative assumptions
 - Bounding the possible outcomes
 - Collection of additional information



Habitats and Biota

- Incorporate Ridolfi Inc data by reference
 - Do not imply that T&E species should be focus
- Include more information on habitats
 - Add some to CSM final
 - Task TWGs with more
- Include CRCLA aquatic food web?

Additional Tasks Before Phase 2





Keeping the Ball Rolling

- “Common initial understanding”
 - Document recurring issues
 - Discuss approach in other NRDAAs
 - Baseline
 - Risk vs. injury
 - HEA discounting
 - Framework for addressing uncertainty
 - Probably won’t resolve all the issues



Keeping the Ball Rolling (cont.)

- TWGs
 - Develop management approach
 - Specific tasks and deadlines
 - Identify specific short term tasks
 - Move from CSM (general) to injury assessment (specific)

Keeping the Ball Rolling (cont.)

- Aquatic and terrestrial TWGs
 - Select initial primary COCs
 - Criteria for selecting key species
 - Document habitats/sub-habitats
 - Are distinctions relevant to NRDA?
 - Outline tasks for injury assessment

Keeping the Ball Rolling (cont.)

- Source/Pathway TWG
 - Select initial primary COCs
 - Prioritization
 - Which sources have the least amount of data and are most likely to be causing injuries?



Keeping the Ball Rolling (cont.)

- Groundwater TWG
 - Select initial primary COCs
 - Compile issues with existing site groundwater models
 - Prioritize suggestions to address those issues



Keeping the Ball Rolling (cont.)



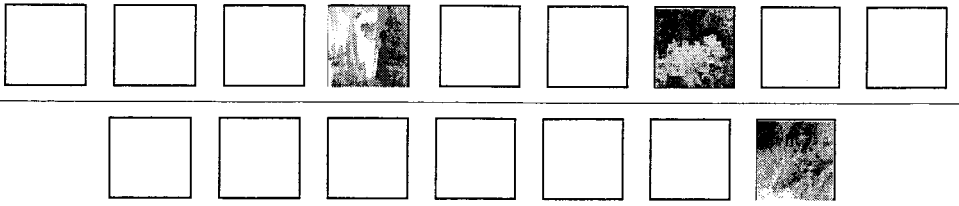
▫ Tribal TWG

- Create it (members, chair)
- Propose method for inter-tribal information sharing
- Propose method for disseminating information to Trustees without revealing sensitive information

Keeping the Ball Rolling (cont.)

- Human Services TWG
 - Identification of key services
 - Discussion of potential assessment approaches

Phase 2



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Recommendations

- -
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- At least 18 months
 - Preferably 24 months
 - Data review
 - Assessment Plan plus addenda
 - Initial injury studies
 - Possible early restoration opportunities



High Priorities

- Document management/review
 - Library database
 - Searchable PDF documents
 - Web-based query interface
 - Rapid document review
 - Keyword/abstract
 - Note usability for injury assessment



High Priorities (cont.)

- Data management/review
 - Create Trustee database
 - Get data from DOE
 - Integrate with WCH river data
 - Web-based interface (GIS)
 - Review QA/QC protocol

High Priorities (cont.)

- Toxicity profiles of selected COCs
 - Which contaminants most likely to cause injuries



High Priorities (cont.)

- Ecological profiles of selected species
 - Species most likely exposed
 - Species most sensitive
 - Locations/habitats where exposure most likely to occur



High Priorities (cont.)

- Preliminary injury assessment
 - Based on results of toxicity and ecological profiles
 - What can you conclude from existing documents/data?
- Where are data gaps?
- How do you know when you have enough data?

High Priorities (cont.)

- Injury quantification approach
 - Attempt to reach consensus
 - Quantify future injuries for remediation scenarios



High Priorities (cont.)

- Assessment Plan
 - General overarching plan with addenda
 - Separate addenda for sampling
 - Addenda when ongoing data analysis suggests alternate needs