

mail 0075141

**Elzie, Teri L**

**From:** Elzie, Teri L  
**Sent:** Tuesday, November 24, 1998 10:01 AM  
**To:** Gadbois, Laurence E; McConnaughey, Jay L; Zeisloft, James H Jr; Teel, Darci D; 'Beth Mitchell'; 'Chris Beaverson'; 'Dan Landeen'; 'Doug Mosich'; 'Jake Jakobosky'; 'John Carleton'; 'JR Wilkinson'; 'Nick Iadanza'; 'Preston Sleeper'; 'Susan Coburn Hughs'; 'Tom O'Brien'  
**Cc:** Elzie, Teri L  
**Subject:** FW: GW/VZ Info for NRTC

See message below from Jamie Zeisloft.

Thanks!

Teri

-----Original Message-----

From: James\_H\_Jr\_Zeisloft@apimc01.rl.gov  
[mailto:James\_H\_Jr\_Zeisloft@apimc01.rl.gov]  
Sent: Tuesday, November 24, 1998 9:57 AM  
To: tlelzie@bhi010.bhi-erc.com  
Subject: FW: GW/VZ Info for NRTC

- > Teri,
- >
- > Please forward the following info to the NRTC. Thanks.
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- > SUBJECT: GW/VZ INTEGRATION PROJECT WEEKLY MEETING - OCTOBER 19, 1998
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- > SCIENCE AND TECHNOLOGY (S&T) (TERRY STEWART):
- >
- > River Task Team
- > C Roger Dirkes, PNNL, Team Lead
- > C Terry Hazen, LBNL
- > C April James, LBNL
- > C Orrin Myers, ORNL
- > C Mike Ebinger, ORNL
- > C Greg Patton, PNNL
- > C Charlie Brandt, PNNL
- > C Marshal Richmond, PNNL
- > C Bob Peterson, CH2MHill
- >
- > Columbia River Scientific Issues
- > C Types, amounts, and spatial locations of contaminants within and entering the Columbia River are not fully characterized
- > C Temporal variation in contaminant input at groundwater discharge sites is not fully characterized
- > C Extent of exposures of sensitive biota to contaminants is not known
- > C Toxicological impacts on exposed species are insufficiently understood
- > C Fate and transport modeling capabilities are not fully descriptive for the Hanford Reach
- >
- > Goals and Research Themes of the Columbia River Technical Element
- >
- > Goals
- > C Establish input of contaminants to river from groundwater, surface water, and atmosphere
- > C Determine exposure of different populations and impacts of exposure
- > C Establish extent of contaminant migration within food web
- >

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- > Research Themes
  - > C Detailed and complete conceptual model
  - > C Information management and use
  - > C Characterization
  - > C Groundwater-river interface
  - > C Contaminant fate and transport
  - > C Impact evaluation
- > Conceptual Model for River (diagram)
- > Columbia River Research Themes
  - > Detailed and complete conceptual model
  - > C Physical, chemical, biological processes
  - > C Source of contaminant input
  - > C Affected biota
  - > C Effects of water management strategies
- > Information management and use
  - > C Data mining and integration
- > Characterization
  - > C Nature and extent of contamination of all components of river environment
  - > C Spatial and temporal trends, pathways, habitat and biological species distribution
- > Groundwater-river interface
  - > C Sampling and characterization innovations
  - > C Flux and dynamics at aquifer/river interface
- > Contaminant fate and transport
  - > C Tools and data for integrated assessment of contaminant fluxes
- > Impact evaluation
  - > C Toxicity measures, exposure assessments, and dose response of biological populations

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> SUBJECTGW/VZ INTEGRATION PROJECT WEEKLY MEETING - NOVEMBER 9, 1998

- > SCIENCE AND TECHNOLOGY (S&T) PLAN WORKING DRAFT (TERRI STEWART): The S&T Plan Working Draft was completed Friday and transmitted to the Expert Panel. It will be a topic at the upcoming Expert Panel meetings. The current plan is to take the information in the S&T Plan and house it within the Project Specification (Spec). Both should become part of the of the Project Baseline in the December timeframe. We're working on the roadmap and getting more specific information on how it ties to the LRP.
- > Project Specification Outline
  - > C Introduction
    - > - Project drivers, stakeholder concerns, and core values
    - > - Mission statement - three parts (SAC, Integration, S&T)
    - > - Vision statement - broad trust, collaboration, credible decisions
    - > - Challenges and Opportunities - five areas of challenges which are the five Abusiness@ areas of the Project (Integration, SAC, S&T, PI, Peer Review)
    - > - Project overview - simplified logic diagram, system engineering approach, summary of Project - controlling documents
  - > C Requirements/Values/Recommendations
    - > - Requirements - summary of the laws, regulations, and agreements
    - > - Values - results of interviews and correspondence

- > - Recommendations • external oversight
- > recommendations of core projects
- > C Project Strategy and Approach
  - > - Introduction - science-based approach, SAC is the Backbone@
  - > - Planning periods - define the time periods of interest (e.g. immediate, cleanup mission, post-mission stewardship)
  - > - Strategic objectives/performance indicators/strategies - grouped by five Abusinesses@
  - > - Current approach - project logic, descriptions of activities within the five Abusinesses@
- > C Technical Element Scope Descriptions
  - > - Technical information elements
  - > - Methods and capabilities elements
  - > - Controls and constraints elements
- > C Appendices
  - > - Crosswalk to GPMP requirements
  - > - Summary table of laws/regulations
  - > - Summary table of external review comments and recommendations
  - > - Current state of knowledge
  - > - System Assessment Capability description (evolution from CRCIA)
  - > - S&T Plan backup/supporting materials