

Meeting Notes
WMA C PA Status Meeting with Ecology

Date: Wednesday, July 31, 2013

Location: Ecology Offices, Room 3A and 3B

Purpose: Discussion of Baseline Risk Assessment (BRA) associated with WMA C RFI/CMS and Performance Assessment (PA) activities that is in the process of being undertaken with the restart of the WMA C PA Effort

Attendees (in person): Marcel Bergeron (WRPS), Susan Eberlein (WRPS), Mike Connelly (Freestone), Vicky Freedman (PNNL), Marysia Skorska (ECY), Jeff Lyon (ECY), Joni Grindstaff (DOE-ORP), Alaa Aly (CH-PRC), Chris Kemp (DOE-ORP), Doug Hildebrand (DOE), Michelle Hendrickson (ECY), Les Fort (WRPS), Joe Caggiano (ECY), Nancy Uziemblo (ECY), Beth Rochette (ECY), Bill McMahon (CH-PRC), Sunil Mehta (CH-PRC), Chris Magan (INTERA), Will Nichols (CH-PRC), Jim Hansen (DOE-RL), Alex Teimouri (DOE-EM-12), Dib Goswami (ECY), Mike Barnes (ECY), Kirk Cantrell (PNNL), Jim Alzheimer (ECY), Jerry Yokel (ECY), Alex Nazarali (CTUIR), Ron Koll (DOE-ORP), Brenda Jentzen (ECY)

Attendees (on phone): Don Lowman (NRC), Tom Crandall (DOE-EM), Dirk Dunning (State of Oregon), Matt Kozak (INTERA), Barb Harper (CTUIR), Stan Sobczyk (Nez Perce), Dave Bernhard (Nez Perce), Vince Panesko (HAB), Roger Seitz (SRNL), Greg Flach (SRNL), Doug Gray, Kevin Brown (Vanderbilt), Pat Cabbage (Freestone), Sharon Braswell (WRPS)

The following topics (see attached agenda) were discussed:

- Marcel Bergeron and Susan Eberlein introduced the key technical team members from WRPS, CHPRC/Intera, Freestone, and PNNL who will be involved in the development and review of the WMA C PA Effort. The PA team members include:
 - WRPS – Marcel Bergeron, Susan Eberlein, Les Fort
 - CH-PRC/Intera – Alaa Ally, Matt Kozak, Sunil Mehta, Bill McMahon, Will Nichols
 - Freestone Environmental - Mike Connelly
 - PNNL – Vicky Freedman
- Alaa Aly provided an update on activities related to the WMA C PA Baseline Risk Assessment that included discussion about:
 - The preparation of a Characterization Data Evaluation Summary Report which presents evaluation of Phase 2 characterization data and information collected per the RFI/CMS WP (RPP-PLAN-39114, Rev 2)
 - BRA Team is performing additional evaluations of
 - small mammal tissue data from phase 2 characterization
 - groundwater data collected under various groundwater monitoring programs in the area
 - The development of scope and annotated outline for BRA

- Exposure scenarios being considered are summarized in Exposure Scenarios data package developed during scoping sessions for WMA C PA
 - Implementation of exposure scenarios will use the platform used for the PA to allow integration of tools across the efforts (GoldSim)
- Alaa Aly provided an update on activities related to the WMA C PA that included discussions on:
 - An initial evaluation of TC&WM EIS Models for WMA C that included analysis of the implementation details for EIS models vs. modeling requirements for WMA C PA effort
 - The plan being developed by the PA team that will use the TC-WM EIS model as a starting point with updates that account for current information on residual inventories, past tank leaks and related inventories, site characterization data collected during RFI/CMS,
 - The PA team is performing code installation and testing (STOMP and GoldSim) and initiating the model configuration management process
 - The PA team is also doing an evaluation of all data packages developed during scoping sessions and considering possible update as necessary. These updates could include possible changes to: data packages related to the Assessment Context, the Natural System, Residual Inventory, and Exposure Scenarios (as needed for implementation; e.g., RESRAD vs. GoldSim)
 - Development of additional data packages may also be developed as needed for the PA
 - PA team is in process of developing technical approach and detailed plan and schedule for out-year PA activities
- Dirk Dunning expressed concerns about the EIS and made comment about how models used in the TC-WM EIS should be updated to include more site-specific information. He was also wondering about site plans for a Composite Analysis.
- Alaa Aly indicated that the CA will be initiated as a planning activity in FY 14 and will likely be started in earnest FY 15.
- Jeff Lyon had some questions about specifics of the EIS vs. WMA C PA evaluations.
- Alaa Aly noted a few items with two specific differences that will need to be addressed.
 - 1) EIS handled releases from tank residuals as single combined release across a plane at the bottom of the tanks. The PA will need to evaluate the impacts on a tank by tank basis.
 - 2) EIS used a generalized stratigraphy that didn't include backfill; the PA will need to consider local stratigraphy and backfill in its analysis. Alaa indicated that the team will brief Ecology on the findings and the path forward for PA once our plans have been finalized with DOE.
- Dave Bernhard made comment that estimates of past leak inventories used in the EIS. The Nez Perce think the estimates evaluated in the EIS were low and that the PA should use their recommended 3x inventory as a sensitivity case.
- Michelle Hendrickson asked if waste residuals in all equipment will be considered in the PA.

- Marcel Bergeron indicated that the PA effort will consider all residual inventories estimated for pipelines and ancillary equipment as recommended in the scoping sessions
- Dirk Dunning made comment that the uranium hazard as a kidney poison is greater than the radiological impact. How will this issue be addressed in the PA?
- Alaa Aly indicated that BRA and the PA will use whatever the current version of IRIS requires. Uranium is typically driven by the hazard but we'll be looking at the impacts of all isotopes as well.
- Marcel Bergeron proposed following dates for next monthly status meetings: 1) Wed., Aug. 28, 10 to 11 am and 2) Wed., Sept. 25, (10 to 11 am) and closed the meeting.

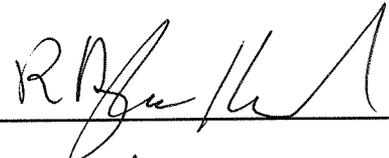
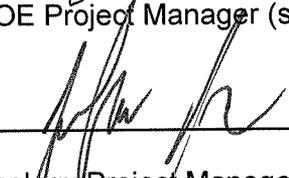
Agenda – WMA C PA Status Meeting –

31 July 2013

- **Team Introductions:** WRPS, CHPRC/Intera, Freestone, PNNL
- **Baseline Risk Assessment:**
 - Characterization Data Evaluation Summary Report
 - Presented evaluation of phase 2 characterization data collected per the RFI/CMS WP (RPP-PLAN-39114, Rev 2)
 - Adding evaluation of small mammal tissue data from phase 2 characterization
 - Adding screening evaluation of groundwater data collected under various groundwater monitoring programs in the area
 - Development of Scope and Annotated Outline for BRA
 - Exposure scenarios data package developed during scoping sessions for WMA C PA
 - Implementation of exposure scenarios will use the platform used for the PA to allow integration of tools across the efforts (GoldSim)
- **Performance Assessment:**
 - Evaluation of TC&WM EIS Models for WMA C
 - Implementation details for EIS models vs. modeling requirements for WMA C PA effort
 - Code Installation and Model Configuration Management
 - Evaluation of Data Packages Developed During Scoping Sessions and Update (as necessary)
 - Assessment context
 - Natural systems
 - Residual inventory
 - Exposure scenarios (as needed for implementation; e.g., RESRAD vs. GoldSim)
 - Development of additional data packages as needed for the PA
 - Development of Technical Approach and Detailed Plan and Schedule (for out years PA activities)
- **Next monthly meeting dates:**

- o Wednesday August 28, 10 to 11 am
- o Wednesday, September 25, 10 to 11 am

Concurrence:

<u>RDouglas Hildebrand</u>	<u></u>	<u>10-1-2013</u>
DOE Project Manager (print)	DOE Project Manager (signature)	Date
<u>Jeffery J Lyon</u>	<u></u>	<u>9-30-13</u>
Ecology Project Manager (print)	Ecology Project Manager (signature)	Date
