

**SITE ALARA COMMITTEE (SAC) and ALARA COORDINATOR  
COUNCIL (ACC) MEETING MINUTES -5/18/11**

The Site ALARA Committee and ALARA Coordinator Council met on May 18, in 735-2B rm.126, from 11:00 – 12:00 p.m.

Attendees:

Brenda Green	Dave Eyler	Jim Beck	Mike Conaway
Carol Hunter	David Wagoner	Jim Wilson	Mike Patrick
Chuck Radford	Ellen Parrish	John Gall	Russell Abbott
Cindy Head	Ford Burgess	Kela Johnson	Sandra Dubose
Cindy Lunsford	Geoff Reynolds	Kevin Gallahue	Ted Padezanin
Cork Blackshire	Gordon Quillin	Lynn Anderson	Thomas Smith
Darrell Howe	Greg Tunno	Mark Hogue	Trent Edwards
		Mark Kokovich	Wes Williams

The Quorum was met.

**1) Introduction:** Gordon Quillin

Gordon Quillin began the meeting by welcoming the attendees. Each member then introduced themselves. It was established that there were sufficient voting members in attendance for a Quorum.



**2) 1st Quarter Performance Indicators:** Ellen Parrish

The RPD Scorecard was utilized to provide the Performance Indicators for the 1<sup>st</sup> Quarter. The PBIs are located under Facility Specific Metrics. The following charts were reviewed:

- Site Cumulative Exposure vs. Goal
- Maximum Individual Cumulative Exposure
- M&O Internal Exposure
- LWO Internal Exposure
- M&O Personnel Contamination Events
- LWO Personnel Contamination Events
- SRS Historical Extremity Exposure

The Site Cumulative dose of 42.186 rem was  $\geq$  15 % of the Site exposure target of 36.538 rem. The M&O YTD dose of 16.519 rem was within 10% of their target of 15.525 rem. The LWO YTD dose of 22.2 rem was  $\geq$  25 % of their target of 17.573 rem. SRNL was slightly more than 10 % of their target, while WSI-SRS was  $\geq$  25 % of theirs.

The CYTD maximum whole body dose received in M&O was 203 mrem, 226 mrem in LWO, 192 mrem in SRNL, and 26 mrem in WSI-SRS.

The YTD maximum extremity dose received in M&O was 5.0 rem and 20.024 rem in LWO. Piercan, USA has provide the ALARA and Safety Commodity Center with a prototype radiation reducing glove that will accommodate hands larger than size 9. Shielding effectiveness is being evaluated by HPS.

There were zero ORPS personnel contamination events in M&O and one in LWO during the 1st quarter. M&O has had five non-ORPS personnel contamination errors and LWO has had two FYTD through the 1<sup>st</sup> Quarter.

There have been zero internal exposures in M&O and LWO.

See the attached charts or access Scorecard to view.



**ACTION 1:** Train the Facility ALARA Coordinators on how to navigate through the RPD charts within Scorecard. **Responsible Person:** Ellen Parrish **DUE DATE:** July 15, 2011

### 3) +/- 25% Discrepancies: Facility Representatives

WSI-SRS reported that in the 1<sup>st</sup> Quarter dose was lower than expected due to construction activities in K-Area. Personnel were relocated and fewer exercises were conducted. A reevaluation of the CY2011 goal will be performed after the 2<sup>nd</sup> Quarter dose results.

LWO reported that emergent work in Saltstone was due to activities at Vault 4 when the leachate and water management piping needed unexpected repairs/replacement. The Leachate system replacement was approximately 1.1 rem of exposure and the pipe work to complete repairs of the Water Management plan was approximately 0.650 rem for approximately 1.75 rem of added exposure. The HTF overage is due to emergent work on the jumpers at the 3H Evaporator, the Tank 12 Slurry Pump and the shared resources of Construction and RPD. The 3H and Tank 12 work was approximately 0.800 rem of exposure. The rest of the exposure was due to shared resources (Construction 0.600 rem (FTF/Saltstone), RPD 0.400 rem (Saltstone Overtime)) among the LWO facilities.



### 4) 2010 Success Stories: Ellen Parrish

Four ALARA Success Stories were submitted for 2010 DOE REMS report; two from FTF, one from DWPF, and one from K-Area. Please see attached stories.



Gordon Quillin has asked his staff to notify the ALARA and Safety Commodity Center of any jobs that have good ALARA techniques or ideas and schedule a walk down to capture the pertinent information on the ALARA Feedback Form. This will enable the center to record the ALARA techniques and ideas throughout the year and then they will assess the information and

select jobs to be written up as an ALARA Success Story at the end of the calendar year. If you know of a job that you think is worthy of a future success story contact your facility ALARA Coordinator. Contacts to perform the walk down at the ALARA and Safety Commodity Center are Ellen Parrish at 8-1027, Robbie Bates at 8-3601, or Jim Davis at 8-1198.

**5) ALARA Dollar Per-Person-rem Values:** Mark Hogue (SME)

Mark Hogue spoke to the Site ALARA Committee about the ALARA dollar per person-rem values. A question was raised regarding whether the \$/person rem was an annual estimate or what was the duration basis. The SME responded that it was based on the effect on the project or campaign which could be of a known duration or for the life of the affected system or component. The committee approved the change from \$6600 per person-rem to \$8500 per person-rem. See attached documents.



**ACTION 2:** Implement and revise existing documents and/or procedures with the ALARA dollar per person-rem value of \$8500 across the Site and submit changes to the various Site manual/procedures to the SPPC as needed. **Responsible Person(s):** Ellen Parrish and Mark Hogue **DUE DATE:** July 30, 2011

**6) Discussion:** All members

Jim Wilson stated that he had several jobs that the ALARA and Safety Commodity Center could walk down for potential Success Stories, to include closure tank sampling in FTF and the Tank 13 slurry pump job.