

**SITE ALARA COMMITTEE (SAC) and ALARA COORDINATOR  
COUNCIL (ACC) MEETING MINUTES -10/30/12**

The Site ALARA Committee and ALARA Coordinator Council met on October 30th, in 735-2B rm.126, from 12:00 – 12:30 p.m.

Attendees:

Brenda Green	Ellen Parrish	Kevin Gallahue	Scott Craft
Carol Hunter	Geoff Reynolds	Lynn Anderson	Ted Padezanin
Chuck Sanders	Gordon Quillin	MP Gibson	Thomas Smith
Cork Blackshire	Greg Tunno	Pamela Powell	Tom Battey
David Sanders	Jenna Sexton	Peyton Northington	Trent Edwards
David Wagoner	Jim Wilson	Roy Windham	Verne Mooneyhan
Don Zahaba	John Gall	Russell Abbott	Yolanda Brown
Doug Bumgardner	John Grove	Sara Wu	

The Quorum was met for the SAC and we verified that we had a quorum for the Change Control Board (CCB)

**1) Introduction:** Gordon Quillin

Gordon Quillin began the meeting by welcoming the attendees and discussing a safety topic. It was established that there were sufficient voting members in attendance for a Quorum.

See attached Agenda: 

**2) Review of SAC Membership:** Ellen Parrish

Please review and update the information. Send corrected names to Ellen Parrish. See attached Membership for the SAC. 

**3) 8/20/12 Meeting Minutes Review of Actions:** Ellen Parrish

**ACTION 1:** After establishing two separate goals, one for INF and one for EC&ACP, input the info into the SRS 2013 CY ALARA Goals separately. DUE Date: 12/31/12 Responsible: Parrish/Powell

All facility Exposure Worksheets are due 12/3/12 in order to prep for the December Annual ALARA Goal setting meeting which will be held sometime during the week of 12/10.

LWO ALARA Goals are due 12/17/12.

The Site Annual ALARA Goals will be published by 12/31/12.

**4) SRS Environmental ALARA Program Update:** Gordon Quillin for Ben Terry

Environmental ALARA committee members are currently interfacing with facility operations and line management to establish performance indicators for monitoring and reporting radiological releases to the environment via process effluents (airborne or direct liquid discharges to the environment). The performance indicators are being developed to ensure the consistent reporting of radiological airborne and radiological liquid effluent releases to document trending of Environmental ALARA Release Guides in accordance with DOE Order 458.1, Radiation Protection of the Public and the Environment. Preparation is underway for development of annual ALARA Release Guides that will be provided to the respective M&O and LWO ALARA committees.

**5) 3rd Quarter Performance Indicators:** Ellen Parrish

The RPD Scorecard and Performance Indicator Summary sheet were utilized to review the Performance Indicators for the 3<sup>rd</sup> Quarter. The PBIs are located under Facility Specific Metrics in Gordon Quillin’s Scorecard. 

The Site Cumulative dose of 114.376 rem was ≤ 10 % of the Site exposure target of 133.176 rem. The M&O YTD dose of 51.981 rem was ≤ 20% of their target of 65.89 rem. The LWO YTD dose of 56.151 rem was <10 % of their target of 57.365 rem. SRNL and WSI were ≤ 25% of their target. 

M&O Cumulative Dose vs. Goal -

M&O -	Target: 65.89	Actual: 51.981
WSI -	Target: 0.9	Actual: 0.226
SRNL -	<u>Target: 9.021</u>	<u>Actual: 5.83</u>
TOTAL	75.811	58.037

LWO Cumulative Dose vs. Goal -

DWPF -	Target: 5.475	Actual: 5.966
Saltstone -	Target: 16.337	Actual: 10.503
HTF -	Target: 26.525	Actual: 31.026
FTF -	<u>Target: 9.028</u>	<u>Actual: 8.671</u>
TOTAL	57.365	56.166

The CYTD maximum whole body dose received in M&O was 622 mrem, 413 mrem in LWO, 297 mrem in SRNL, and 45 mrem in WSI-SRS. 

The YTD maximum extremity dose received in M&O was 3.365 rem, 2.843 rem in SRNL, and 19.621 rem in LWO.   

There were zero ORPS personnel contamination events in M&O and zero in LWO during the 3rd quarter. M&O has had one non-ORPS personnel contamination error and LWO has had one FYTD through the 3rd Quarter.  

There have been three ORPS Area contamination events in M&O and two in LWO FYTD. M&O had one of the events occur this quarter in SWM (forklift tines contaminated). M&O has had two non-ORPS Area contamination errors this quarter for a total of two for FYTD and LWO has had one FYTD.

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

See the attached Performance Indicator Summary or access Scorecard to view (see link below). 

<http://scorecard.srs.gov/Scorecard.aspx?FacilityCode=RCSM&ReturnToFacility=ESHRP>

**6) +/- 25% Discrepancies:** Facility Representatives

(Note: all doses are in rem)

**WSI:** Target 0.9 vs. Actual 0.226

They are not seeking to reduce their goal at this time. They are expecting to cover some material shipments this quarter.

**SRNL:** Target 9.021 vs. Actual 5.83

SRNL recommended that they reduce their goal by 2.0 Rem due to the greatly reduced sample load, especially since the beginning of Quarter 4, and the holidays (deliberate operations). The CCB members voted 'YES' to reduce the goal.

**CLAB:** Target 3.0 vs. Actual 2.028

C-Lab will be receiving some anticipated samples from Oakridge, TN in the near future and didn't want to reduce their goal.

**Saltstone:** Target 16.337 vs. Actual 10.503

Saltstone is returning 6.663 Rem of their 4<sup>th</sup> quarter target. HTF is increasing their target by 7.8 Rem and FTF is increasing their target by 1.8 Rem due to added scope.

Additionally, the budget cuts have caused K-Area to suspend the DE process for FY13. The DE process required a significant amount of time mining for the material to process in the MSA. Any time spent in the MSA is exposure. Because of the reduction in scope for FY13, KAC requested a reduction in their goal by 2 Rem which was also approved by the CCB.

Each facility was requested to revise OSR 49-7 Exposure Worksheet as soon as possible and return to Ellen Parrish at 735-B room 120.

In summary, LWO increased their overall goal by 2.937 Rem and M&O decreased their overall goal by 4.0 Rem. The Site Goal of 173.877 Rem decreased by 1.063 Rem. The new CY 12 ALARA Goal is 172.814 Rem. 

## 5) Discussion:

### Dose Performance Index – Greg Tunno

RPD will report on a new Performance Objective, Measure, and Commitment (POMC) to their DOE customer in FY13 that will measure the ability to set reasonable quarterly ALARA goals. The Dose Performance Index (DPI) is the Actual Quarterly Dose/Quarterly Dose Goal. The objective is to achieve a result as close to 1 as possible in each quarter. Analogous to the Cost Performance Index or Schedule Performance Index in the Earned Value Management System, the DPI is a reflection of the ability to project dose associated with planned work evolutions. 

### Lessons Learned on Recent Events:

- 1) In HBL a pair of coveralls was found to have fixed contamination of 2000 d/m alpha on the sleeve after turning a valve at gloveport 71. It is speculated that the coverall came back from the laundry contaminated after extensive surveys of the area, gloveports, and Ballymore platform didn't find any contamination.

Gordon Quillin reinforced the importance of performing pre-use checks of PPE and Respiratory Equipment. Encourage your workers to continue with the pre use checks prior to use and bringing the concerns to their management's attention. Kevin Gallahue suggested that during the pre-use checks of PPE that if you see something that looks questionable, such as an oily/greasy spot on the coveralls, to be proactive and ask for RPD to survey the PPE and throw the item out if needed. Also, if you exit an area and have oily/greasy spots on your coveralls then they should be disposed of instead of sent to the laundry.

- 2) The report from Los Alamos, "Accident Investigation into Contamination at the Los Alamos Neutron Science Center on or about August 21, 2012", should be reviewed to assess if lessons from the event could be useful for SRS. Work practices and CONOPS issues were highlighted within the report. 