

SITE ALARA COMMITTEE MEETING MINUTES-08/22/07

The Site ALARA Committee met on August 22, 2007, 766-H rm. 1026, 1:00 p.m. – 3:00 p.m.

Attendees:

Bill Poulson	David Coleman	James Harris	Michael Gilles
Bill Tadlock	David Sanders	Jim Wilson	Mignon Ford
Darrell Howe	Ellen Parrish	Jita Morrison	Mike Matheny
Dave Potocik	Gary Chandler	Kela Johnson	Mike Negron
			Terry Pifer

The Quorum was met.

1) 6/21/07 SAC meeting minutes review: Ellen Parrish

The June 21st action items were reviewed with the committee. Michael Gilles discussed the action item concerning the Refocus Period. He is still seeing opportunities for improvement in the planning process, especially in the development of better suspension guide limits.

The action item pertaining to scaler options for SWMF was discussed. SWMF would like to procure the Ludlum model 3030 scaler instead of installing a shielded box for the HandEcounts or Ludlum model 2929 scalers. A new action item was identified. The minutes were approved by the committee.

ACTION ITEM: Greg Tunno to procure the Ludlum model 3030 or similar model and perform tests to see if the instrument will meet the needs at SWMF.

2) 2nd Quarter Performance Indicators: Ellen Parrish

- ORPS Personnel Contamination Events total **zero**. YTD = 0.
- Non-ORPS Personnel Contamination Events total **five**. YTD = 6.

- ORPS Area Contamination Events total **four**. YTD = 6.
- Non-ORPS Area Contamination Events total **two**. YTD = 9.

- The 2007 Cumulative Exposure Goal was set at 107 rem in December, 2006. The YTD total Cumulative Exposure is 53 rem. A total of 20 rem was picked up in the 2nd Qtr.

- The maximum individual dose is 545 mrem. The actual dose assigned is from the Tank 37 work on HTF. This employee is now assigned to H-Canyon.
- The Maximum YTD Extremity dose is 4277 mrem for an HTF employee.
- Internal Exposures: >100 mrem = 0 & >500 mrem = 0
- The ACL for the SWMF workers assigned to Drum Mining activities was raised from 500 mrem to 700 mrem.

3) + 25 % Discrepancies between Projected Goals and Actual

Exposure: Facility Representative

The following facilities discussed the discrepancies between their estimated goal and their actual exposure through the 2nd Quarter.

Defense Project: 1.05 rem goal vs. 0.8 rem actual exposure

- TEF/TRI has performed all the work that was projected through the 2nd quarter. The Actual for DP was .8 rem and the Goal is 1.05 rem. Lower budget and cancelled projects contributed to the discrepancy.

F/H Lab: 2.75 rem goal vs. 3.4 rem actual exposure

- Our facility goal is somewhat elevated due to the unexpected leak and subsequent repair to the High Activity Drain (HAD) line in 772-1F. This work contributed .972 rem to the facility goal. The tie in work for the HAD Tank is scheduled this year and the higher activity HAD Tank repairs are scheduled for 2008.

SRNL: 5.0 rem goal vs. 2.6 rem actual exposure

- Support of 3013 operations planned for early 2007 was delayed until Summer/Fall 2007
- Tank Sampling in 776-A was delayed from Spring 2007 until Fall 2007

Waste Solidification: 4.4 rem goal vs. 1.5 rem actual exposure

- DWPF: 1.5 rem goal vs. 1.011 rem actual exposure
In the second quarter there were fewer repairs to process equipment (transfer pumps, SME/SRAT coils, etc.) than anticipated.
- Saltstone: 2.912 rem goal vs. 0.490 rem actual exposure
The Saltstone process was interrupted and the high activity material that was expected has not yet been processed. November 1st has been set as the start up date.

H-Disposition: 8.7 rem goal vs. 6.8 rem actual exposure

- HCA: 3.910 rem goal vs. 4.367 rem actual exposure
Low exposure work - NHC wheel replacement and alignment, jumper cut-up, Burial box (WC) Campaigns – LEU loading, Black Box, 2ND Uranium process. Campaigns listed and not working - U metals (267 mrem) and PuBe (233 mrem).
- HBL: 4.810 rem goal vs. 2.457 rem actual exposure
HBL work involved the 3013 – Pu-Ta, Va, Mo, FBL sweepings
Maintenance items – Phase III security upgrades, RD-14 heater block replacement, Scrubber room. Campaigns not started – moving Lab Line equipment in support of DE3013 (650 mrem), Np from HCAN (500 mrem).

SWMF: 6.75 rem goal vs. 10.4 rem actual exposure

- Increased dose to WMAP employees is the result of increased dose rates on drums that are required to be handled, increase in drum movement, and increase of drum thru put.
- Drum Miners, who locate and transport drums, have received the bulk of the exposure

4) SWMF Annual ALARA Goal Increase: Darrell Howe

Darrell Howe, SWMF ALARA Coordinator, presented to the committee a request to increase the 2007 Annual ALARA Goal from 13.50 rem to 20.00 rem.

The goals set for the last two quarters of the year are expected to be higher than expected due to the higher dose rates from the number of drums to be processed and the average drums Plutonium Equivalent Curie (PEC) has more than doubled. Additional new scope has been added, such as, drum syringe sampling, Battelle waste repackaging and shipping, removal and sampling of poly-boxes from culverts, drum shuffling on the pads due to PEC limitations, and drum removal from over-packs for inspection and repair. Some ALARA initiatives put in place are the use of radiological tape to denote drums > 5 mrem/hg @ 30 cms, orange cones to identify the highest exposure drums, status boards to communicate dose rates on pads, and tracking drum miner exposure weekly.

There was a lot of discussion concerning drum mining and the large number of times drums are moved and the turnover of the drum inventory. Factors such as the selection of the drums for shipment and the AB controls on each Pad contribute significantly to the issue.

The committee voted to approve the increase of the annual goal to 20 rem. This will bring our Site annual goal to 113 rem.

5) MCU/SRP SNR Review: Jita Morrison

A review of the LWO ISDP Radiological Controls was given by Jita Morrison of HTF. Strategy for startup, design basis, ARP & MCU average annual dose per worker, external dose assessment and risks, mockup of key job evolutions, ALARA initiatives, and measures to control exposure were reviewed.

See the attached slide presentation. 

6) Comments:

Bill Poulson requested that the group encourage our management team and the workers to remain focused so that we can reduce the operational events that we have been experiencing.