

August 17, 2022

Created by Diana Jennings

Site ALARA Committee and Change Control Board Meeting
2nd Quarter 2022 Review

The Site ALARA Committee and Change Control Board meeting was held via Microsoft Teams.

Rollcall was performed. Dennis Carr was not available when roll call was originally made, so JC Wallace offered to Chair the meeting in his absence. Kent agreed and Dennis later joined the call. Quorum requirements were met for the SAC and CCB. (See attached)

1. Introduction: Kent Williams/Pamela Powell

Kent welcomed everyone to the meeting then turned it over to Pamela Powell for the safety topic. Pamela discussed the safety topic which was vehicle safety. A safety flash was received on August 17, 2022 from SRMC that stated an employee was delivering water to hand washing stations in H-Tank Farm and exited the government vehicle with the engine on and in gear. The vehicle rolled backwards about 30 feet and struck a storage container. Manual 8Q procedure 11 states that before leaving the driver's seat, the driver shall: put automatic transmission in park, set the brakes and stop the engine. This occurrence is a reminder to be aware of procedure requirements for operations of motor vehicles. Kent commented that many newer vehicles are equipped with the rotary gear shift so individuals with this in their personal vehicles should be aware of this possible hazard. Kent added to the safety topic and talked about deer impacts and speeding policy. Kent then discussed the ACL extensions given to the individuals in K-Area. He turned the meeting over to Teresa Eddy for the Environmental ALARA overview.

2. Environmental ALARA: Teresa Eddy/Eric Doman

Teresa Eddy introduced Eric Doman as the Environmental ALARA Chair. Eric discussed the Environmental ALARA Guides status for Liquid Discharges and Airborne Emissions. (See attached.) No changes are requested at this time.

Kent asked if the projected 10.9% of the liquid discharges ALARA guide for the year was sufficient. Eric responded that the facilities are conservative with the percentages to expect some variation so 10.9% should be sufficient. Next Kent asked about the higher projected percentage of guide in H-Area Liquid Discharges which was 113.6%. Eric explained that based on the March report, Environmental ALARA requested an increase for H-Area liquid discharges from 5.02E-4 to 5.02E-3, which was approved. This approval decreased the projected percent from 134% to the 113.6% and should continue to decrease.

3. Review of YTD Quarter Performance: Diana Jennings

Performance Indicators were reviewed. (See attached)

Diana Jennings commented that BSRA data was not included within the information pulled from Scorecard, and they did have a radiological event that resulted in an uptake so Kevin Webster was given the floor to discuss. Kevin stated that BSRA had a Non-ORPS occurrence when a CAM alarm in room C-075, Building 773-A was received. This resulted a positive chest count and a positive bioassay sample for the individual in the room. It was determined that an uptake of less than 500 mrem but greater than 100 mrem had occurred. Since this was not included in the information pulled from Scorecard, this process will be revised for future meetings.

4. +/- 25%

Facility	*Target	*Actual	Percent
CLB	2	0.853	-57.4
BSRA	9.5	7.043	-25.86

CLB- Terry Pifer stated focus was primarily on 235-F work however they do expect to do more decommissioning jobs during the 3rd and 4th Quarter. They do not request any changes at this time.

BSRA- Kevin Webster stated that BSRA is 3 months behind on shielded cell work which is reason the dose total was low. They expect to do the work in the 3rd and 4th quarter so the dose is expected to rise. No changes are requested at this time.

Questions or Comments

JC Wallace commented on the ALARA process and how the facilities were planning the ALARA Goals well. He commented on how the actual dose totals seem to be consistently lower than the goal. With that observation, he also asked were the ALARA goals being set to be challenging. Dennis Carr responded stating all facilities base their ALARA Goals on previous quarters and data, and adjustments are made as needed.

Dennis then asked about how the dosimetry contractor Landauer was performing. Kent answered that they are responding well. They are doing monthly readings for K-Area to help avoid personnel exceeding the ACL. He also stated that external dosimetry is preparing to visit Landauer and observe their processes this month. Dennis suggested that during the next ALARA Committee meeting, external dosimetry do a presentation on how Landauer is performing.

There were no other comments or concerns. The meeting was adjourned.



Site ALARA Committee Meeting

Kent Williams

Radiological Protection Director
Savannah River Nuclear Solutions, LLC

2nd Quarter Review

Teleconference

AGENDA

- | | |
|---------------------------------------|----------------|
| 1. Introduction | Kent Williams |
| 2. Environmental ALARA | Teresa Eddy |
| 3. 2nd Quarter Performance Indicators | Diana Jennings |



Environmental ALARA Update

Teresa Eddy
 Environmental ALARA Chairperson
 Savannah River Nuclear Solutions, LLC
 August 2022

2022 Environmental ALARA Guides Status - Liquid Discharges

Liquid Discharges
 ALARA Guide Summary Report for All Areas
 June 2022

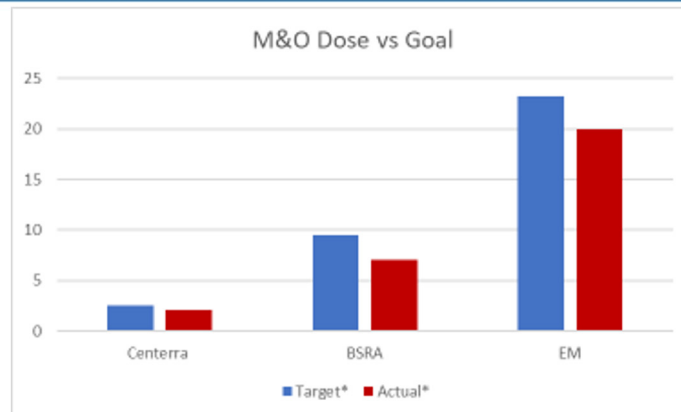
Area	YTD TED (mrem)	Projected Annual TED (mrem/yr)	Alara Guide (mrem/yr)	YTD % of Guide	Projected % of Guide
A-Area	4.09E-06	8.19E-06	6.00E-05	6.8%	13.6%
F-Area	5.80E-05	1.16E-04	5.20E-04	11.2%	22.3%
F-Tk Frm	1.41E-04	2.83E-04	2.00E-03	7.1%	14.1%
G-Area	7.41E-05	1.48E-04	5.07E-02	0.1%	0.3%
H-Area	2.95E-03	5.91E-03	5.20E-03	56.8%	113.6%
H-ETP	2.17E-04	4.34E-04	1.00E-02	2.2%	4.3%
H-Tk Frm	7.28E-04	1.46E-03	8.65E-03	8.4%	16.8%
K-Area	4.09E-05	8.17E-05	2.80E-04	14.6%	29.2%
L-Area	0.00E+00	0.00E+00	7.08E-05	0.0%	0.0%
S-Area	1.35E-06	2.70E-06	1.65E-04	0.8%	1.6%
Tritium	4.29E-05	8.58E-05	2.71E-04	15.8%	31.7%
Site Totals:	4.26E-03	8.53E-03	7.79E-02	5.5%	10.9%

2022 Environmental ALARA Guides Status - Airborne Emissions

Airborne Emissions ALARA Guide Summary Report for All Areas June 2022					
Area	YTD TED (mrem)	Projected Annual TED (mrem/yr)	Alara Guide (mrem/yr)	YTD % of Guide	Projected % of Guide
A-Area	2.11E-08	4.22E-08	1.70E-03	0.0%	0.0%
C-Area	3.66E-06	7.31E-06	2.50E-04	1.5%	2.9%
F-Area	6.57E-05	1.31E-04	1.29E-03	5.1%	10.2%
H-Area	1.08E-05	2.16E-05	4.96E-03	0.2%	0.4%
H-ETP	0.00E+00	0.00E+00	1.00E-07	0.0%	0.0%
H-Tk Frm	2.15E-09	4.30E-09	1.00E-06	0.2%	0.4%
J-Area	1.48E-09	2.95E-09	1.00E-06	0.1%	0.3%
K-Area	7.06E-05	1.41E-04	4.05E-03	1.7%	3.5%
L-Area	8.73E-05	1.75E-04	4.75E-03	1.8%	3.7%
S-Area	7.28E-07	1.46E-06	1.10E-04	0.7%	1.3%
Tritium	8.91E-03	1.78E-02	1.08E-01	8.2%	16.5%
Z-Area	4.13E-09	8.25E-09	5.00E-06	0.1%	0.2%
Site Totals:	9.14E-03	1.83E-02	1.25E-01	7.3%	14.6%



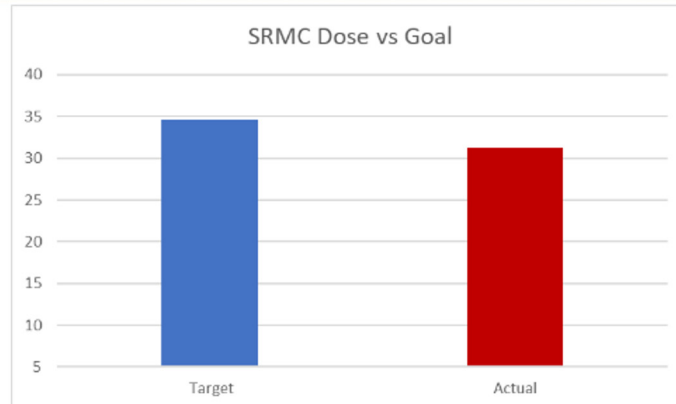
M&O Dose vs Goal



Title	Target*	Actual*	Percent	
Centerra	2.5	2.105	-15.8	
BSRA	9.5	7.043	-25.86	
EM	23.265	20.016	-13.97	*Dose(Rem)



SRMC Dose vs Goal



Title	Qtr 2*
SRMC Target	34.58
SRMC Actual	31.568
SRMC Percent	-8.71

*Dose (Rem)

Maximum Individual Dose

Title	*YTD	Facility
EM	0.275	NMM
SRMC	0.251	HTF
BSRA	0.125	
Centerra	0.060	

*Dose (Rem)

Maximum Extremity

Title	CY22*
EM Maximum Extremity Dose	5.426
SRMC Maximum Extremity Dose	3.344

*Dose(Rem)

Radiological Events

Title	QTR 2	Event
M&O ORPS PerCon	0	
M&O Non ORPS Percon	0	
M&O ORPS Rad Mat	0	
M&O Non ORPS Rad Mat	0	
SRMC ORPS PerCon	0	
SRMC Non ORPS PerCon	0	
SRMC ORPS Rad Mat	0	
SRMC Non ORPS Rad Mat	0	

Intakes

Title	CY22
M&O > 500 mrem	0
M&O > 100 mrem	0
SRMC > 500 mrem	0
SRMC > 100 mrem	0

+/- 25 %

Facility	*Target	*Actual	Percent
CLB	2	0.853	-57.4
BSRA	9.5	7.043	-25.86

*Dose(Rem)

SITE ALARA COMMITTEE & CHANGE CONTROL BOARD

ATTENDANCE ROSTER

Meeting Date: 8/17/2022

Quarter/Year: 2nd Qtr/2022

<u>✓</u>	<u>Chair</u> Dennis Carr Doug Bumgardner (Vice Chair)	<u>✓</u>	<u>Alternate</u> Janice Lawson Joel Cantrell
<u>✓</u>	<u>SAC Voting Member</u> Kent Williams (Ex. Secretary) Richard Sprague (ESH&Q) Deborah Solomon (SRTE) Verne Mooneyhan (SWM/TRU) Matt Arnold (NMD) Lee Sims (NMSP) Geoffrey Smoland (SRNL) Doug Bumgardner (WT) Lisa Amidon (TF) Elester Patten John Gall (LWO RPD) Tim West (EC&ACP)	<u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u> <u>✓</u>	<u>Alternate</u> Roy Windham Mary Flora Ruby Parks Robert Minnick Scott Craft Neil McIntosh Kevin Webster James Harris Carol Hunter

Quorum Requirements: SAC = Chair/Vice Chair + 7 other members* = 8 total

***Member may be represented by designated alternate. At least 2 members from each company are required for an official vote.**

CCB = Chair/Vice Chair* + 5 other members = 6 Total May be represented by designated alternate.

Quorum Met SAC: Yes No

Quorum Met CCB: Yes No

**SITE ALARA COMMITTEE
&
CHANGE CONTROL BOARD**

ATTENDANCE ROSTER

Other Meeting Attendees (print name)

Diana Jennings	Ethan Vanfossen
Joshua Lanni	Kent Rosenberger
Page Courtney	James Wallace
Lillie Gordon	Alyson Jennings
Trinidad Bush	Stephanie Blazer
Todd Brantley	Nicholas Miller
Eric Doman	Jack Parker
Robin Farmer	Kenneth Fuller
Wendy Furtick	Casey Williams
Wayne Minton	Pamela Powell
Terry Pifer	Teresa Eddy
Jamie Willing	
Robert Entzminger	
James Wood	

Full Name	User Action	Timestamp
Diana Jennings	Joined	8/17/22, 11:45:28 AM
Joshua Lanni	Joined	8/17/22, 11:45:41 AM
Page Courtney	Joined	8/17/22, 11:45:45 AM
Lillie Gordon	Joined	8/17/22, 11:47:46 AM
	Joined	8/17/22, 11:47:57 AM
	Joined	8/17/22, 11:49:13 AM
Trinidad Bush	Joined	8/17/22, 11:51:11 AM
	Joined	8/17/22, 11:51:50 AM
	Joined	8/17/22, 11:52:24 AM
	Joined	8/17/22, 11:52:40 AM
Carol Hunter	Joined	8/17/22, 11:52:49 AM
Todd Brantley	Joined	8/17/22, 11:54:25 AM
Eric Doman	Joined	8/17/22, 11:55:11 AM
Robin Farmer	Joined	8/17/22, 11:55:15 AM
Wendy Furtick	Joined	8/17/22, 11:55:47 AM
Wayne Minton	Joined	8/17/22, 11:55:48 AM
Terry Pifer	Joined	8/17/22, 11:56:02 AM
	Joined	8/17/22, 11:56:13 AM
Ruby Parks	Joined	8/17/22, 11:56:26 AM
Jamie Willing	Joined	8/17/22, 11:56:39 AM
Robert Entzminger	Joined	8/17/22, 11:56:44 AM
James Wood	Joined	8/17/22, 11:56:52 AM
Kevin Webster	Joined	8/17/22, 11:57:09 AM
Roy Windham	Joined	8/17/22, 11:57:19 AM
VANFOSSEN, ETHAN	Joined	8/17/22, 11:57:29 AM
Joel Cantrell	Joined	8/17/22, 11:58:11 AM
	Joined	8/17/22, 11:58:14 AM
Kent Rosenberger	Joined	8/17/22, 11:58:20 AM
James Wallace	Joined	8/17/22, 11:58:36 AM
Alyson Jennings	Joined	8/17/22, 11:59:43 AM
Stephanie Blazer	Joined	8/17/22, 12:00:16 PM
Nicholas02 Miller	Joined	8/17/22, 12:01:13 PM
	Joined	8/17/22, 12:02:07 PM
Matthew Arnold	Joined	8/17/22, 12:02:52 PM
Matthew Arnold	Left	8/17/22, 12:08:42 PM
Matthew Arnold	Joined	8/17/22, 12:11:48 PM
Lee Sims	Joined	8/17/22, 12:03:55 PM
Jack parker	Joined	8/17/22, 12:04:39 PM
Kenneth Fuller	Joined	8/17/22, 12:08:36 PM
Dennis Carr	Joined	8/17/22, 12:11:46 PM
Casey Williams	Joined	8/17/22, 12:16:33 PM