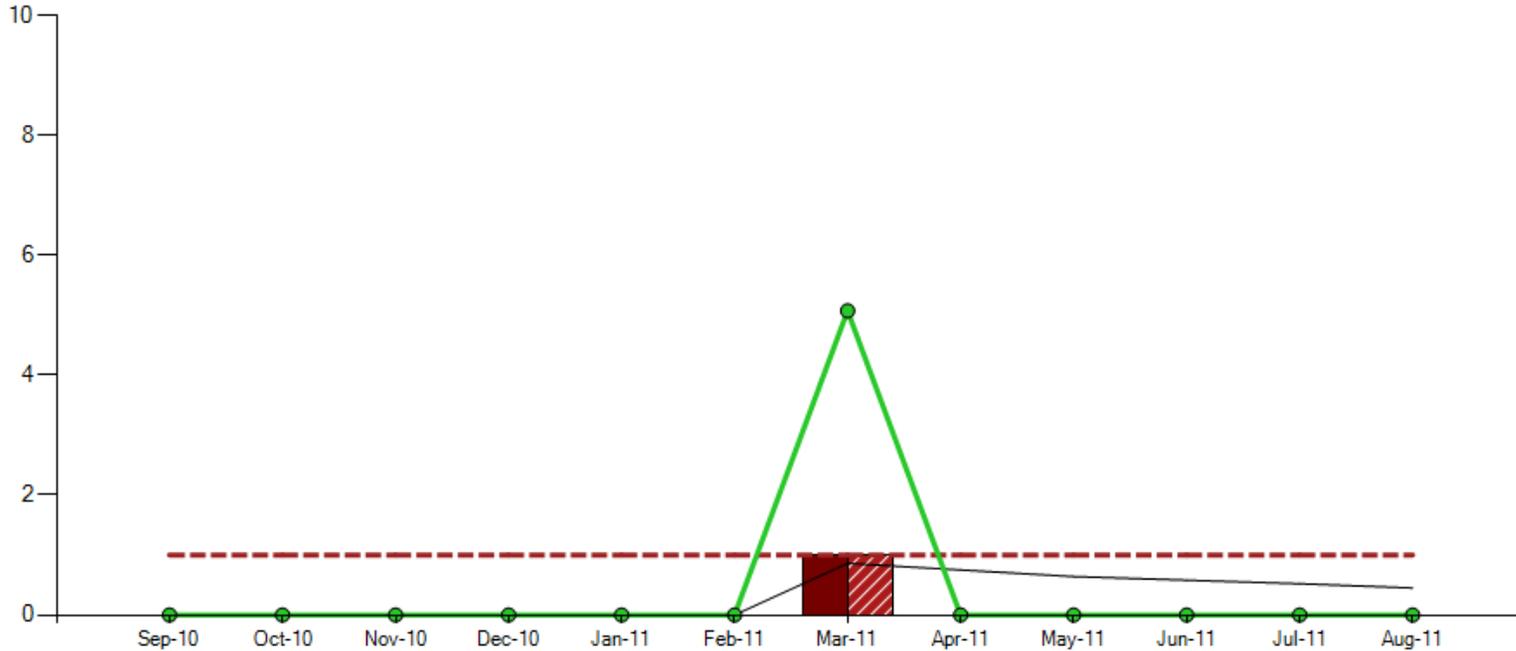
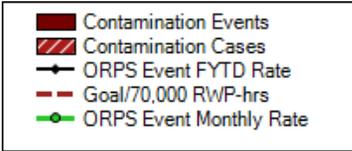


LWO RADIOLOGICAL SAFETY PERFORMANCE

Reportable Personnel Contamination Events/70,000 RWP-Hrs

Through August 31, 2011



Title	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11
Contamination Events	0	0	0	0	0	0	1	0	0	0	0	0
ORPS Cont. Events (FY)	0	0	0	0	0	0	1	1	1	1	1	1
RWP Hrs. (Month)	13826	16028	12765	12115	12073	14436	13815	11993	15306	11592	13763	20125
Goal/70,000 RWP-hrs	1	1	1	1	1	1	1	1	1	1	1	1
Contamination Cases	0	0	0	0	0	0	1	0	0	0	0	0
RWP Hrs. (FY)	152765	16028	28793	40908	52981	67417	81232	93225	108531	120123	133886	154011
ORPS Event Monthly Rate	0	0	0	0	0	0	5.07	0	0	0	0	0
ORPS Event FYTD Rate	0	0	0	0	0	0	0.86	0.75	0.64	0.58	0.52	0.45
Score: FYTD Rate	Excellent											

Analysis

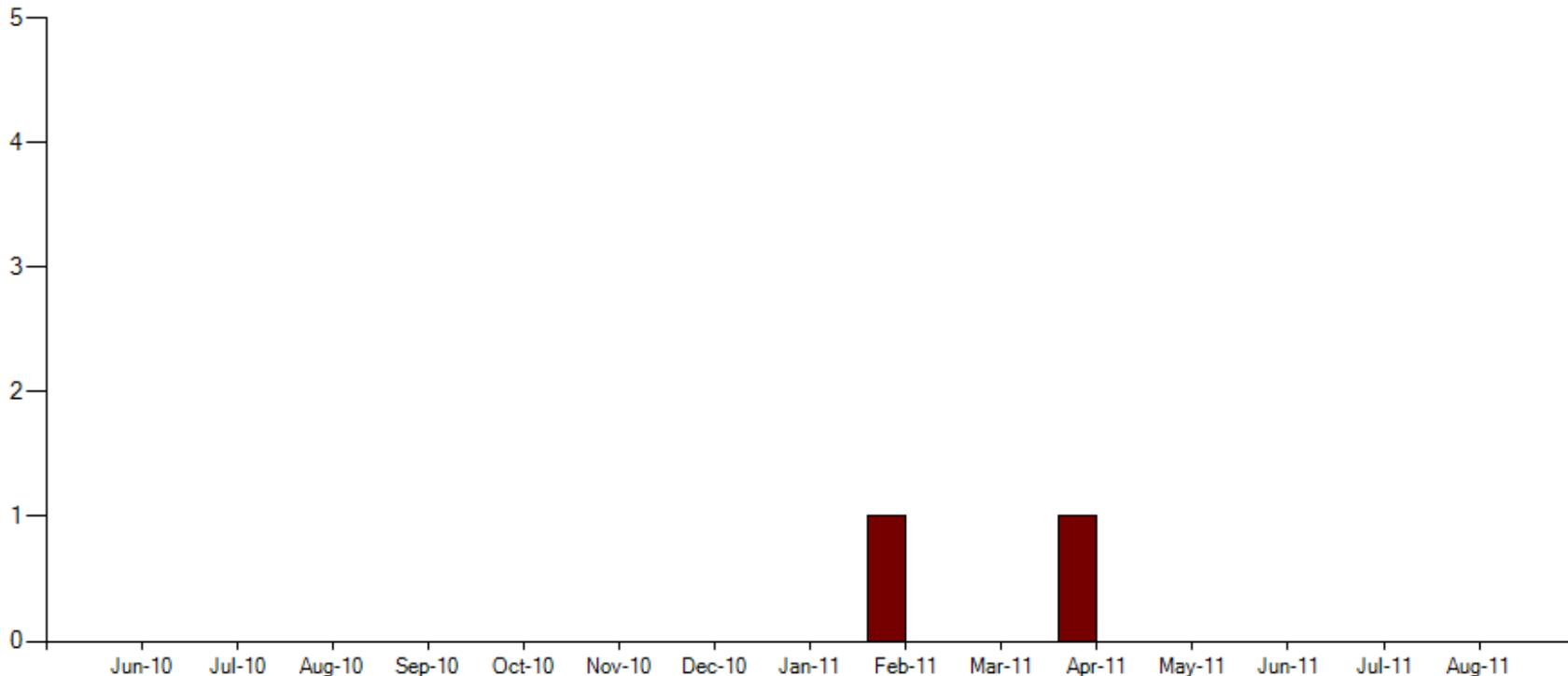
Analysis: Excellent **COLOR:** Blue

Action: SRR continues to closely monitor contamination events, even those minor errors that are below the ORPS reporting thresholds. The minor errors are used as a leading indicator that may signal adverse trends that could lead to an increase in the number of reportable events. For each event, corrective actions are taken and documented in STAR and a review is performed for any commonalities that may exist.



Metric Details	
Metric Title	ORPS PerCon Events
Metric Owner/Alternate Owner	Jim Wilson 8-3354
Metric SME/POC	Ellen Parrish 8-1027
Metric DOE PI Owner	Chuck Radford 2-8595
Metric Functional Group	RPD, DOE, ESH
Metric Description	Measures ORPS reportable PerCon events 6D(3) & binned as FA 11.10.95
Metric Definition	The Government FYTD rate is obtained by multiplying the number of events by 200,000 hrs & dividing by the number of applicable RWP hrs.
Metric Value	Goal is measured in FYTD Rate
Metric Reporting Frequency	Monthly
Metric Requirements Drivers	5Q , SCD-6 , 5Q1.1-505 , 1-01 4.4 , DOE G 441.1-1C
Data Source(s):	STAR (events) & Hummingbird Database (RWP hrs)
Grade Criteria	Based on ORPS contamination events & RWP hours.
BLUE	< 1.0
VIOLET	> 1.0 - < 3.0
GREEN	≥ 3.0 - ≤ 5.0
YELLOW	> 5.0 - ≤ 7.0
RED	> 7.0
Data Entry/Verification/Validation	Automatic pulls from STAR & Hummingbird Database
Data Inquiry	Please report any Scorecard technical issue to Raine Weimortz or Steve Rich or radiological related questions to Ellen Parrish

LWO RADIOLOGICAL SAFETY PERFORMANCE
Number of Occurrences of Radioactive Material/Contamination
Detected Outside of Radiological Areas
Through August 31, 2011



Title	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11
Contamination Events	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0
Score: Contamination Events	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1	<=1
Offsite Contamination Events	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Score: Offsite Contamination Events	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0	=0

Analysis

Analysis: Excellent **Color:** Blue

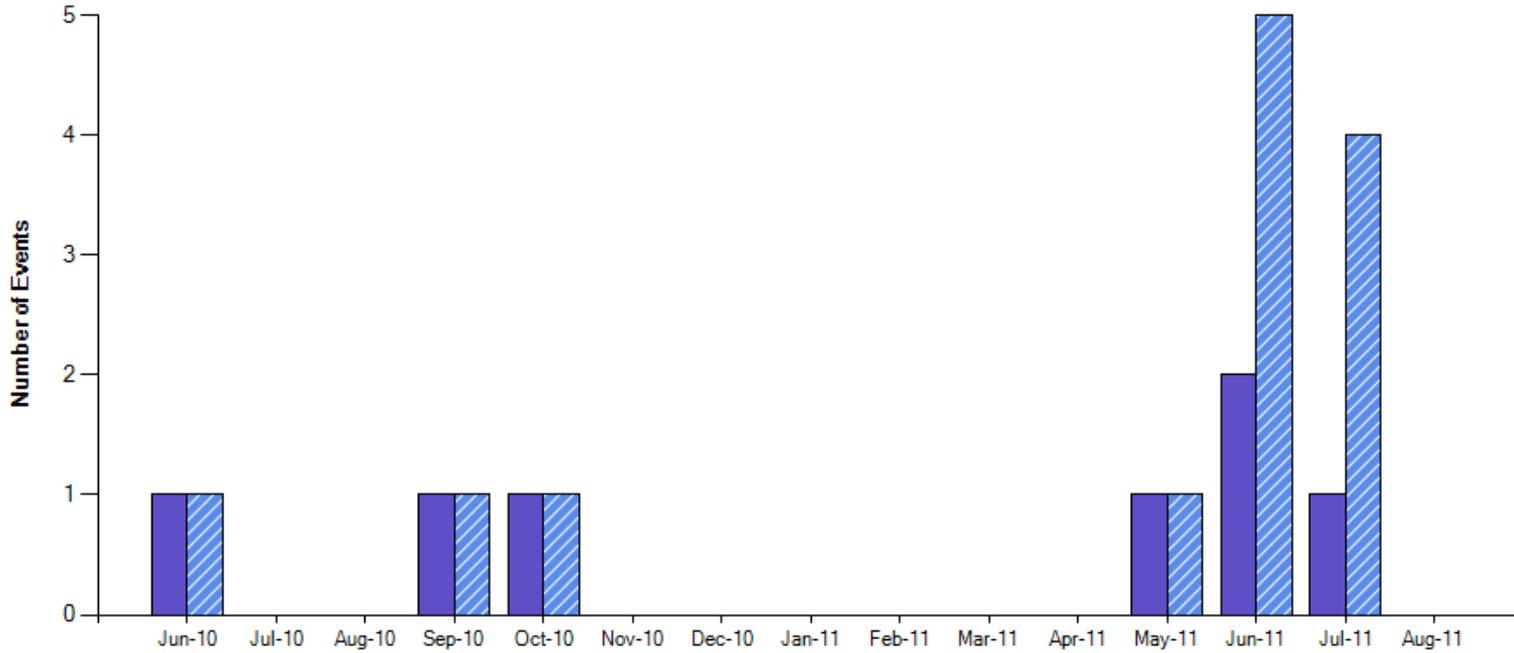
ORPS Event: None

Action

SRR continues to use engineering controls to contain contamination at the source and perform fact finding meetings of spread of contamination or radioactive material.

Metric Details	
Metric Title	Number of Rad Material ORPS Events
Metric Owner/Alternate Owner:	Jim Wilson 8-3354
Metric SME/POC	Ellen Parrish 8-1027
Metric DOE PI Owner	Chuck Radford 2-8595
Metric Functional Group	RPD, DOE, ESH
Metric Description	Measures ORPS reportable Rad Material events 6B(1-4) & binned as FA 11.10.91 or 11.10.93
Metric Definition	This metric is a lagging indicator for occurrences of radioactive material or spread of contamination found outside of radiological areas.
Metric Value	Measure is in number of events
Metric Reporting Frequency	Monthly
Metric Requirements Drivers	5Q , SCD-6 , 5Q1.1-505 , 1-01 4.4 , DOE G 441.1-1C
Data Source(s)	STAR
Grade Criteria	Based on Offsite Contamination Events
BLUE	< 1 per month Onsite, = 0 per month Offsite
VIOLET	= 1 per month
GREEN	= 2 per month
YELLOW	= 3 per month
RED	> 3 per month or 1 offsite event
Data Entry/Verification/Validation	Automatic pull from STAR & offsite event data entry by Site ALARA Coordinator
Data Inquiry	Please report any Scorecard technical issue to Raine Weimortz or Steve Rich or radiological related questions to Ellen Parrish

LWO RADIOLOGICAL SAFETY PERFORMANCE
Non-ORPS Reportable Personnel Contamination Errors/Cases
 Through August 31, 2011



Title	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11
Non-ORPS Reportable Cont. Errors	1	0	0	1	1	0	0	0	0	0	0	1	2	1	0
Non-ORPS Reportable Cont. Cases	1	0	0	1	1	0	0	0	0	0	0	1	6	4	0

Definition

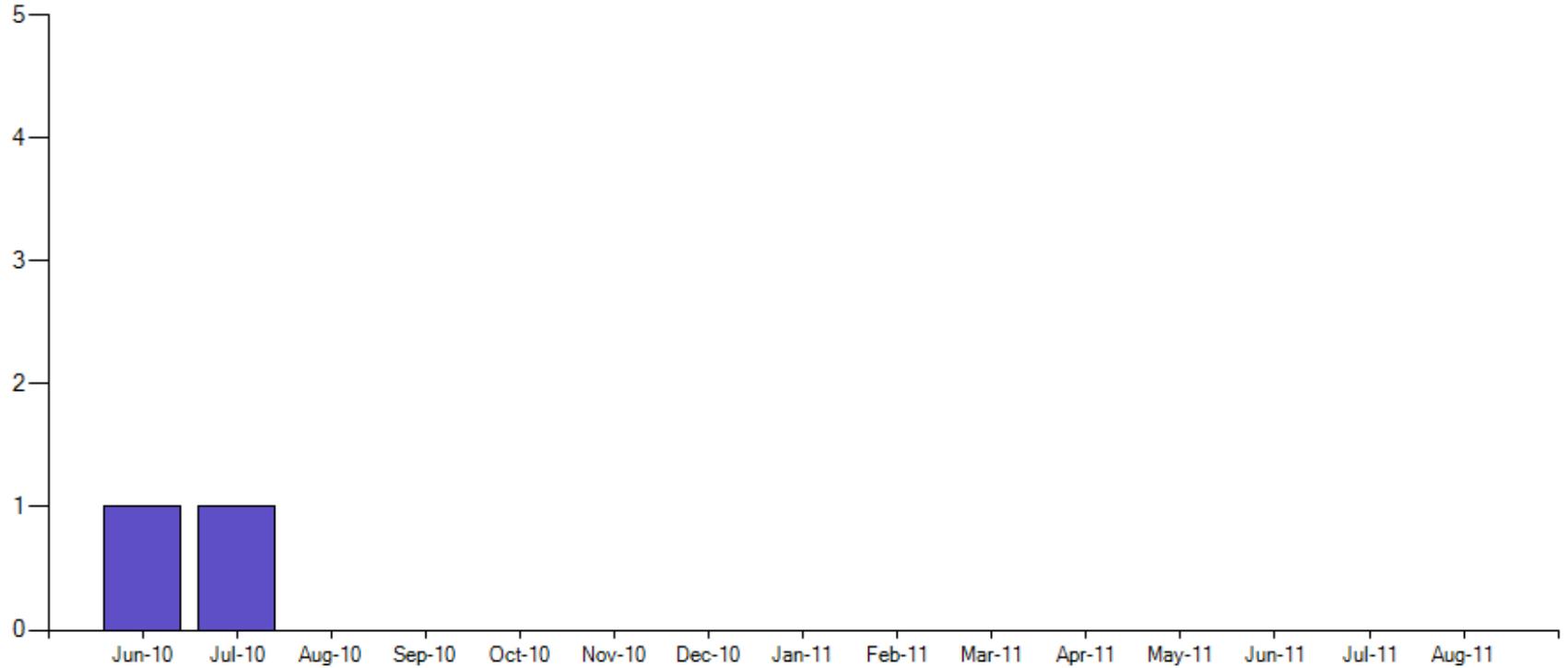
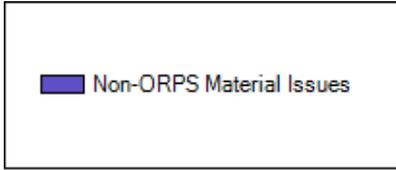
This chart reflects non-ORPS reportable personnel contamination errors/cases per month >500 dpm alpha or >5000 dpm beta-gamma. The non-ORPS errors represent the number of events per month and the non-ORPS cases represent the number of personnel involved in the event. Oct 2010 begins the new Fiscal Year

Action: SRR continues to closely monitor contamination events, even those minor errors that are below the ORPS reporting thresholds. The minor errors are used as a leading indicator that may signal adverse trends that could lead to an increase in the number of reportable events. For each event, corrective actions are taken and documented in STAR and a review is performed for any commonalities that may exist.

Metric Details	
Metric Title	Non-ORPS PerCon Events/Cases
Metric Owner/Alternate Owner	Jim Wilson 8-3354

Metric SME/POC	Ellen Parrish 8-1027
Metric DOE PI Owner	Chuck Radford 2-8595
Metric Functional Group	RPD, DOE, ESH
Metric Description	Non-ORPS PerCon errors 6D(4) & binned as FA 11.10.94 and the number of workers who were contaminated
Metric Definition	Non-ORPS PerCon errors are leading indicators for ORPS events.
Metric Value	N/A
Metric Reporting Frequency	Monthly
Metric Requirements Drivers	5Q , SCD-6 , 5Q1.1-505 , 1-01 4.4
Data Source(s):	STAR (events)
Grade Criteria	N/A
BLUE	N/A
VIOLET	N/A
GREEN	N/A
YELLOW	N/A
RED	N/A
Data Entry/Verification/Validation	Automatic pull from STAR, PerCon cases entered by Site ALARA Coordinator
Data Inquiry	Please report any Scorecard technical issue to Raine Weimortz or Steve Rich or radiological related questions to Ellen Parrish

**LWO Non-ORPS Radioactive
Material/Contamination
LWO
Through August 31, 2011**



Title	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11
Non-ORPS Material Issues	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Offsite Discovery	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Analysis

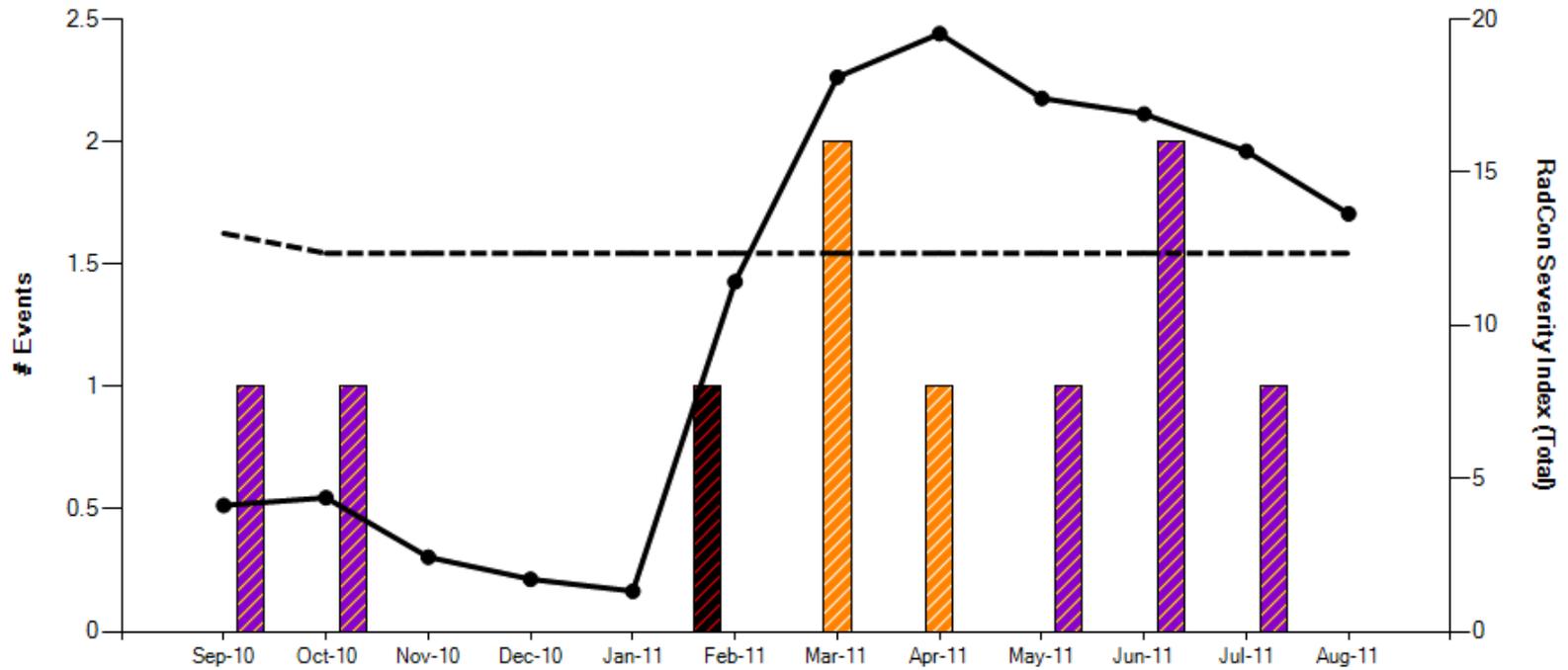
Current Data: None

Action: SRR continues to use engineering controls to contain contamination at the source and perform fact finding meetings of spread of contamination or radioactive material.

Metric Details	
Metric Title	Non-ORPS Rad Material

Metric Owner/Alternate Owner	Jim Wilson 8-3354
Metric SME/POC	Ellen Parrish 8-1027
Metric DOE PI Owner	Chuck Radford 2-8595
Metric Functional Group	RPD, DOE, ESH
Metric Description	Tracks Non-ORPS reportable Rad Material errors 6B(5) & binned as FA 11.10.92 . Off-Site events will be covered under 6B1 criteria.
Metric Definition	Rradioactive material or spread of contamination found outside of radiological areas (includes RBAs not contiguous with a Contamination Area, Clean Areas, and Controlled Areas). Area Non-ORPS errors are leading indicators for Area ORPS events.
Metric Value	N/A
Metric Reporting Frequency	Monthly
Metric Requirements Drivers	5Q , SCD-6 , 5Q1.1-505 , 1-01 4.4
Data Source(s)	STAR
Grade Criteria	None
BLUE	N/A
VIOLET	N/A
GREEN	N/A
YELLOW	N/A
RED	N/A
Data Entry/Verification/Validation	Automatic pull from STAR & offsite event data entry by Site ALARA Coordinator
Data Inquiry	Please report any Scorecard technical issue to Raine Weimortz or Steve Rich or radiological related questions to Ellen Parrish

Rad Con Severity Index (LWO) Radiological Protection (Liquid Waste) Through August 31, 2011



Title	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11
LWO RWP Hours	13826	16028	12765	12115	12073	14436	13815	11993	15306	11592	13763	20125
LWO Cumm. Hours (FY)	152765	16028	28793	40908	52981	67417	81232	93225	108531	120123	133886	154011
ORPS - Cat 1/R,2	0	0	0	0	0	1	0	0	0	0	0	0
ORPS - Cat 3,4	0	0	0	0	0	0	2	1	0	0	0	0
NOR	1	1	0	0	0	0	0	0	1	2	1	0
Rad Con Points	1	1	0	0	0	10	10	5	1	2	1	0
Rad Con Severity Index FY	9	1	1	1	1	11	21	26	27	29	30	30
Rad Con Severity Index (FY)	4.12	4.37	2.43	1.71	1.32	11.42	18.1	19.52	17.41	16.9	15.68	13.64
% Of Goal (FY)	32%	35%	20%	14%	11%	92%	147%	158%	141%	137%	127%	110%
Score (FY)												
Rad Con Severity Index (Month)	5.06	4.37	0	0	0	48.49	50.67	29.18	4.57	12.08	5.09	0

Metric Title	Rad Con Severity Index
Metric Owner/Alternate Owner	Dave Olson
Metric SME/POC	Jim Wilson
Metric Functional Group	Rad Con - Lagging Indicator
Metric Goal	FY11 Rad Con Severity Index Goal = 12.35
Metric Description	This metric measures the monthly Rad Con Severity Index. The monthly Index is calculated by multiplying the monthly Rad Con Points by 70,000 hours and then dividing by the total monthly hours. The FY Index is determined by multiplying the number of Rad Con points by 70,000 hours and then dividing it by the total FY hours.
Metric Definition	Radiological Contamination events are those that impact personnel or equipment. Each of these required reporting, tracking, evaluation, and resolution due to the serious nature of such contamination. Rad Con events are scored based on assigned severity weighting: STAR CAT 1,2 = 10 pts STAT CAT 3, 4 = 5 pts Non-ORPS = 1 pt
Metric Value	Index is a unit
Metric Reporting Frequency	Monthly
Metric Requirements Drivers	None
Data Source(s):	STAR Database (Chip Patterson SME)
Equivalent Statistical Process Chart	None
Grade Criteria	Percent of Target
BLUE	< 50 % of Goal > 5 Months
VIOLET	< 50 % of Goal
GREEN	≥ 50 % of Goal
YELLOW	≥ 90 % of Goal
RED	> 110 % of Goal
Data Entry/Verification/Validation	Automatic data pull from Medgate,TACS, SATS (any other hours sources that can be referenced)
Scorecard Inquiry	Please report any Scorecard technical issue to Raine Weimortz or Steve Rich or radiological related questions to Ellen Parrish

Note: The FY10 goal is based on the FY2008. That year had a Rad Con severity index of 13.68

SRR calculates 95% of that 13.68 for continuous improvement. Therefore the Rad Con severity index goal for FY10 is 13.0. For FY11, SRR calculates 95% of the 2008 goal of 13.0 for continuous improvement and the FY11 goal is 12.35.