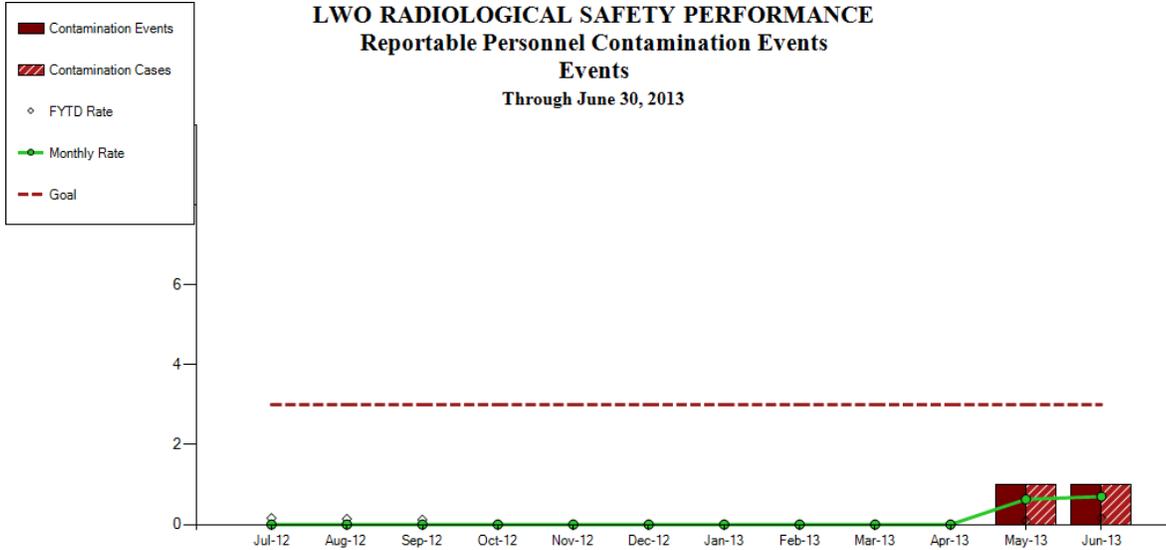


LWO RADIOLOGICAL SAFETY PERFORMANCE Reportable Personnel Contamination Events Events Through June 30, 2013



Title	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Contamination Events	0	0	0	0	0	0	0	0	0	0	1	1
Contamination Events (FY)	1	1	1	0	0	0	0	0	0	0	1	2
Contamination Cases	0	0	0	0	0	0	0	0	0	0	1	1
LWO Hours (Month)	401,223	444,142	396,022	420,947	380,356	346,404	392,130	393,695	431,415	431,175	466,241	389,074
LWO Rad Worker Hours (Month)	173,134	210,536	202,996	236,600	236,987	225,729	268,620	283,105	306,763	308,650	319,764	284,486
LWO Rad Worker Hours (FY)	1,221,858	1,432,394	1,635,390	236,600	473,587	699,316	967,937	1,251,041	1,557,805	1,866,455	2,186,219	2,470,705
LWO Rad Workers (Month)	1005	1086	1181	1295	1410	1474	1542	1623	1639	1650	1622	1681
LWO Workers	2329	2291	2304	2304	2263	2262	2251	2257	2305	2305	2365	2299
FYTD Rate	0.16	0.14	0.12	0	0	0	0	0	0	0	0.09	0.16
Monthly Rate	0	0	0	0	0	0	0	0	0	0	0.63	0.7
Goal	3	3	3	3	3	3	3	3	3	3	3	3
Score: FYTD Rate	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5	<=1.5

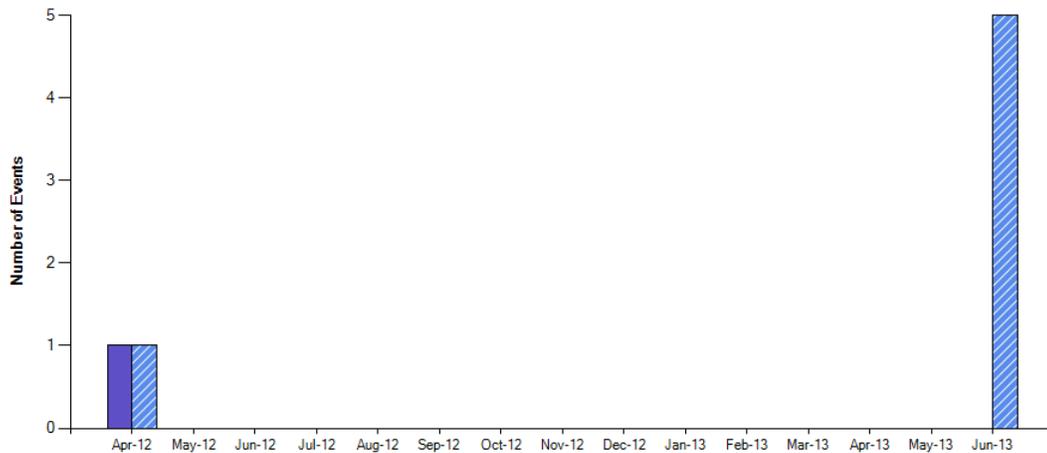
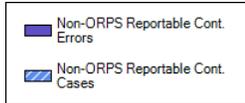
Analysis

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	Carol Hunter 8-0231/Ellen Parrish 2-5825
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	≤ 1.5
VIOLET	> 1.5 - < 2.5
GREEN	≥ 2.5 - ≤ 5.0
YELLOW	> 5.0 - ≤ 7.5
RED	> 7.5
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
Non-ORPS Reportable Personnel Contamination Errors/Cases
 Through June 30, 2013



Title	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Non-ORPS Reportable Cont. Errors	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-ORPS Reportable Cont. Cases	1	0	0	0	0	0	0	0	0	0	0	0	0	0	6

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

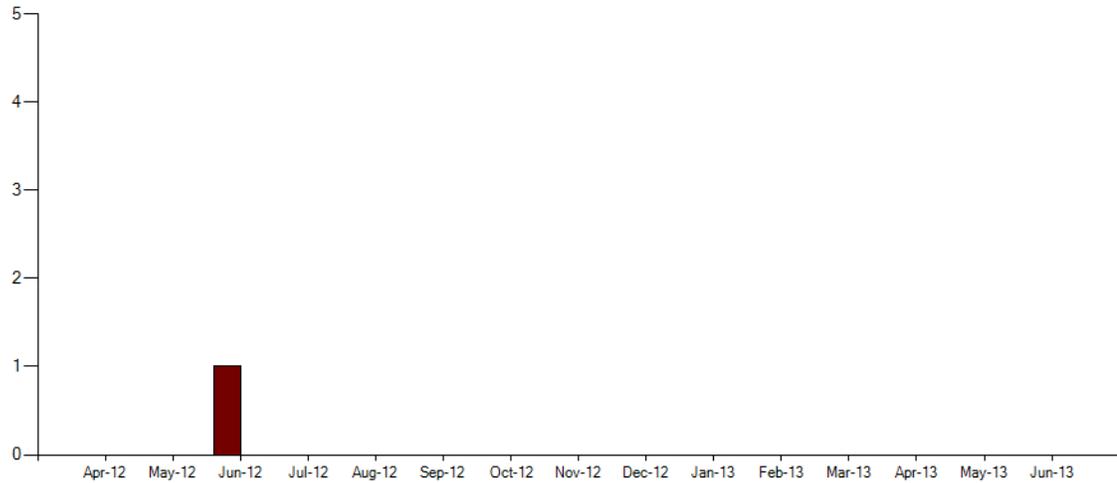
Action: SRR continues to closely monitor contamination events, even those minor errors that are below the ORPS reporting thresholds. The minor errors are used as a leading indicator that may signal adverse trends that could lead to an increase in the number of reportable events. For each event, corrective 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	Carol Hunter 8-0231/Ellen Parrish 2-5825
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 Reporting Frequency	Monthly
Metric Requirements Drivers	5Q, SCD-6, 5Q1.1-505, 1-01 4.4
Data Source(s):	STAR (events)
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

In June 2013, there was an ORPS event in DWPF where 7 workers shoes were found to be contaminated upon exiting the CDMC area. 1 of the 7 was an ORPS event and all of the contaminated workers were reported in STAR 13-CTS-7561



LWO RADIOLOGICAL SAFETY PERFORMANCE
Number of Occurrences of Radioactive Material/Contamination (ORPS)
Detected Outside of Radiological Areas
 Through June 30, 2013



Title	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Contamination Events	0	0	1	0	0	0	0	0	0	0	0	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	

Analysis

Analysis: Excellent Color: Blue

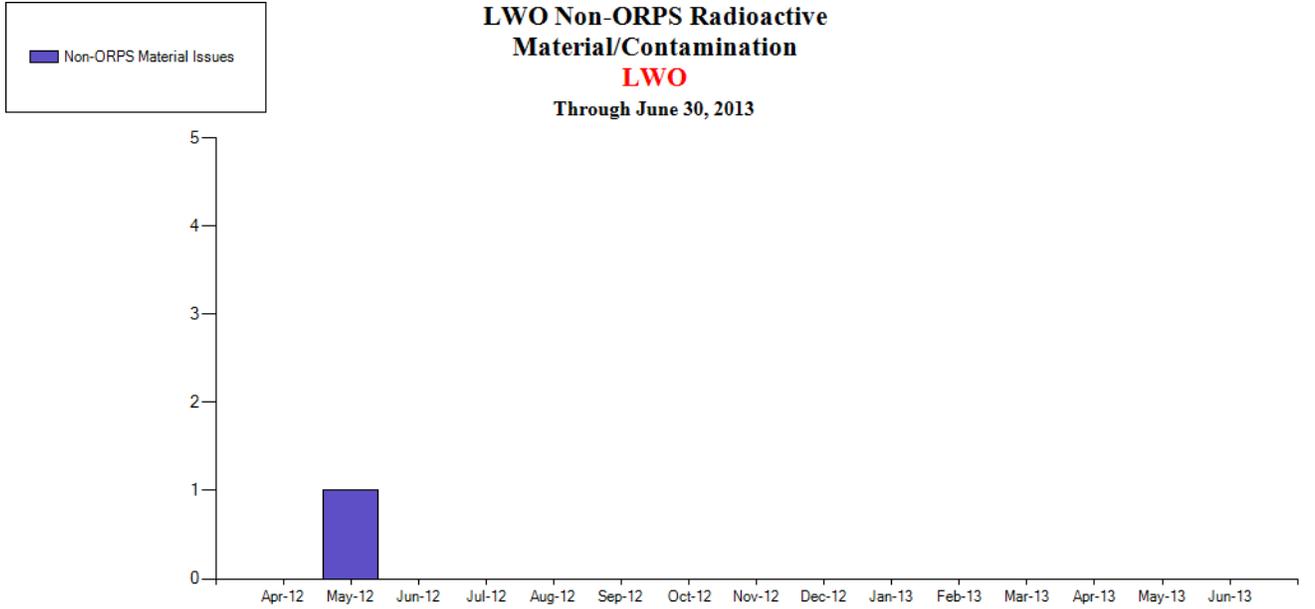
ORPS Event: None

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	Carol Hunter 8-0231/Ellen Parrish 2-5825
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 Non-ORPS Radioactive
Material/Contamination
LWO
Through June 30, 2013**



Title	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13
Non-ORPS Material Issues	0	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

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	Carol Hunter 8-0231/Ellen Parrish 2-5825
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	Radioactive 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 Reporting Frequency	Monthly
Metric Requirements Drivers	5Q, SCD-6, 5Q1.1-505, 1-01 4.4
Data Source(s)	STAR
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