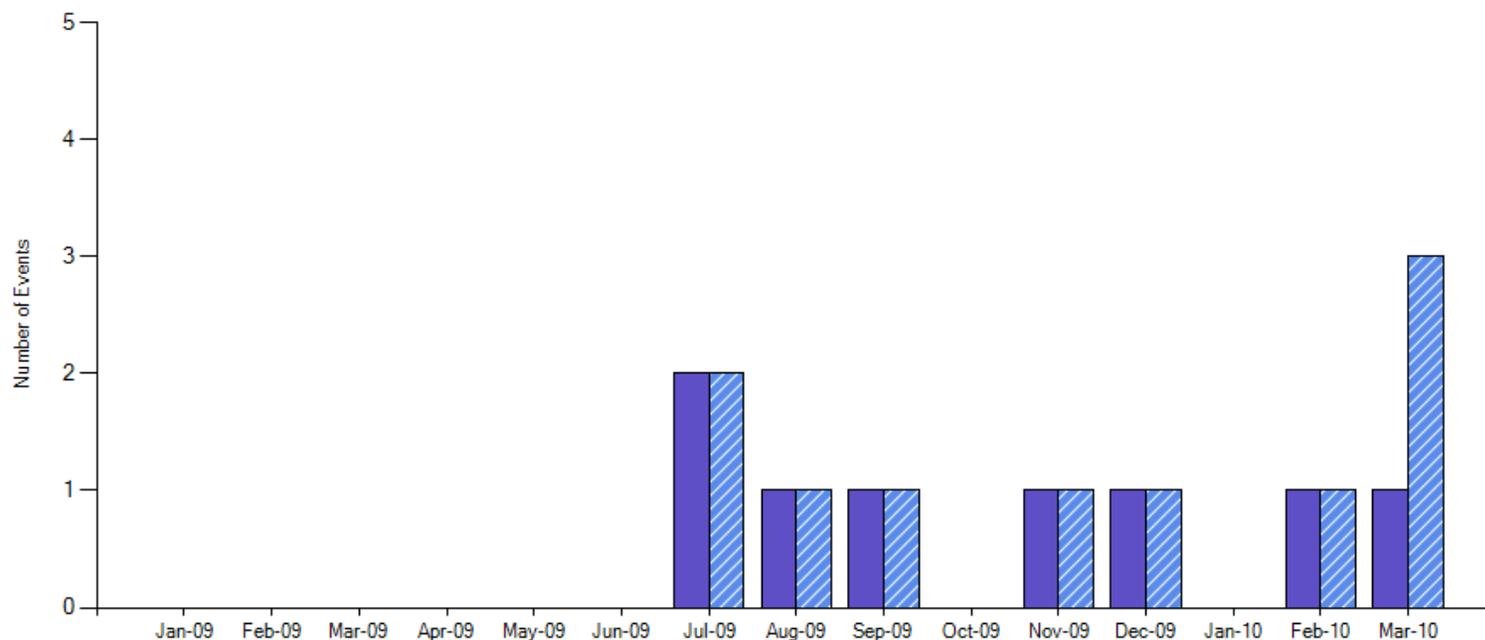


LWO RADIOLOGICAL SAFETY PERFORMANCE
Non-ORPS Reportable Personnel Contamination Errors/Cases
 Through March 31, 2010



Title	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Non-ORPS Reportable Cont. Errors	0	0	0	0	0	0	2	1	1	0	1	1	0	1	1
Non-ORPS Reportable Cont. Cases	0	0	0	0	0	0	2	1	1	0	1	1	0	1	3

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. Non-ORPS errors are a leading indicator for ORPS events. Oct 2009 begins the new Fiscal Year

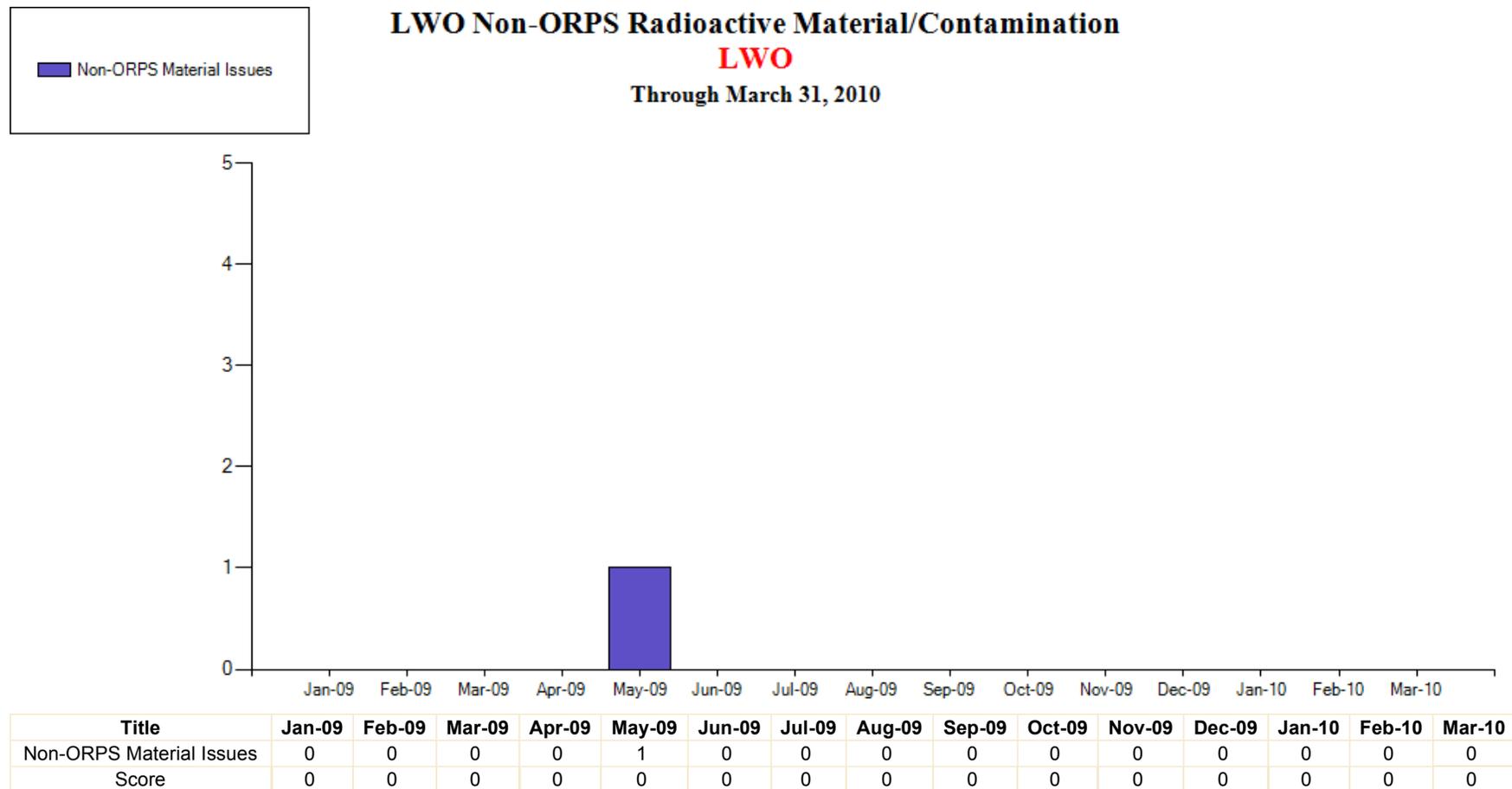
Analysis

Current Data: 3/3/10: Saltstone Three workers personnel clothing became contaminated to a maximum of 40K d/m/100cm² BG when a bag of waste leaked 500K d/m/100cm² BG on the bumper of the truck while unloading it in an RBA to be placed in a B-25.

Historical Data: 11/11/08: DWPF shoe 18K d/m/100cm² BG 7/7/09: DWPF M14 Lab tech contaminates face to 12K d/m/100cm² BG, ND alpha. 7/15/09: Saltstone BSRI carpenter contaminates modesty clothing repairing hut to 25K d/m/100cm² BG, ND alpha. 8/6/09: Saltstone BSRI carpenter contaminates modesty clothing at Vault 4, Cell E to 40K d/m/100cm² BG, ND alpha. 9/8/09: DWPF:SRNS Crane inspector contaminates skin/clothes to 12K d/m/100cm² BG, ND alpha from contaminated crane pendant (80K d/m BG) in RBA, 11/29/09: DWPF M14 Lab Tech contaminates facial area to 24K d/m/100cm² BG, ND alpha, 12/4/09: DWPF CDMC Mech. contaminates hand to 16K d/m/100cm² BG, ND alpha, 2/19/10: Saltstone Operator contaminates personnel clothing to 40K d/m/100cm² BG at Vault 4.

Action: SRR management 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.

SRNS PI Owner: Jim Stafford (803) 952-9888, SRNS SME Ellen Parrish (803) 208-1027
DOE PI Owner: Charles Radford (803) 952-8595



Definition

This chart reflects the number of ORPS (6B5) reportable occurrences of 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 a leading indicator for the Area ORPS events.

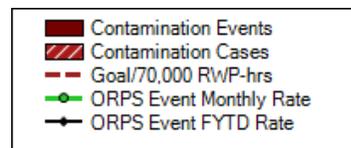
Analysis

Color: N/A

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.

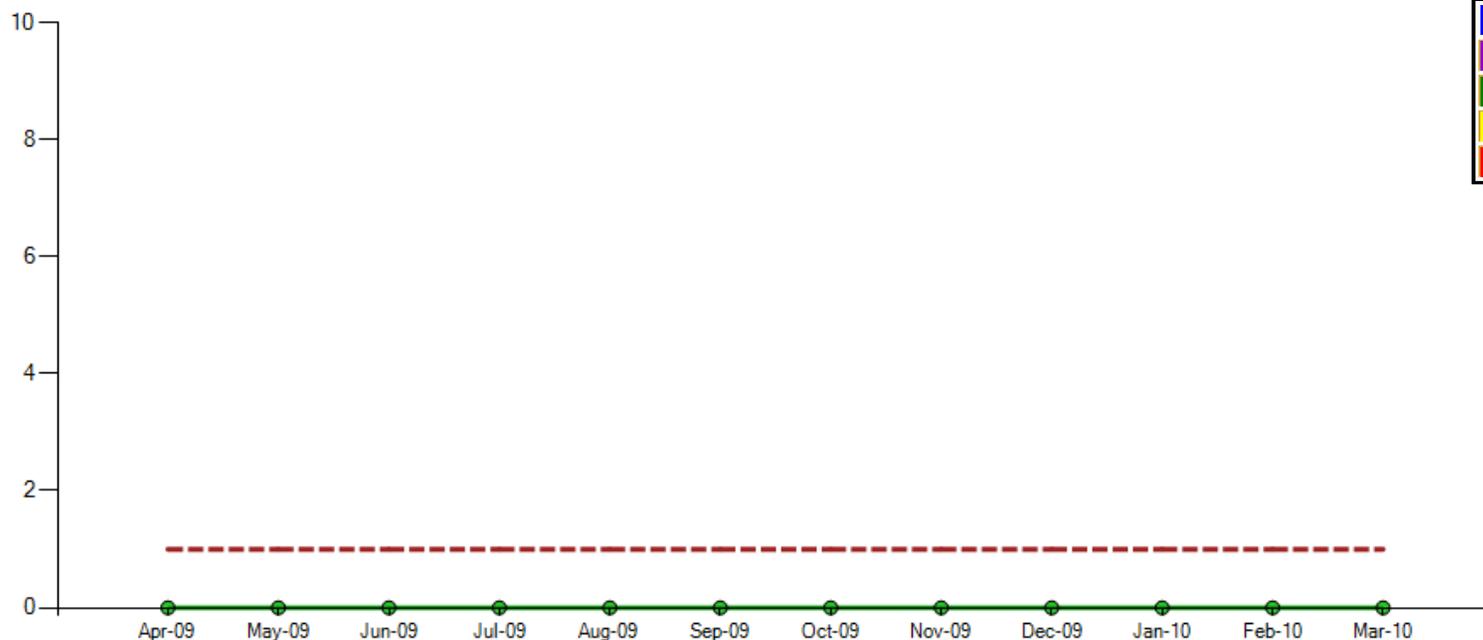
Historical Data: **1/8/08 DWPF:** Yoke #11 paint chips flaked off onto the asphalt when it was set down for relifiting, 100K d/m/100cm2 BG. **1/15/08 HTF:** Green Is Clean bag of waste from Tk 50 contains contaminated items. **3/10/08 HTF:** Contaminated MSA instrument from Tk 51, 8K d/m/100cm2 BG. **3/17/08 FTF:** HEPA vacuum spill in back of truck, 14K d/m/100cm2 BG. **5/21/09 FTF:** Overhead evaporator leak in a Controlled Area, 30K d/m/100cm2 BG probe, 8K d/m/100cm2 BG transferable.



LWO RADIOLOGICAL SAFETY PERFORMANCE

Reportable Personal Contamination Events/70,000 RWP-Hrs

Through March 31, 2010



Title	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Contamination Events	0	0	0	0	0	0	0	0	0	0	0	0
Contamination Cases	0	0	0	0	0	0	0	0	0	0	0	0
Goal/70,000 RWP-hrs	1	1	1	1	1	1	1	1	1	1	1	1
ORPS Event Monthly Rate	0	0	0	0	0	0	0	0	0	0	0	0
ORPS Event FYTD Rate	0	0	0	0	0	0	0	0	0	0	0	0
Score: Goal/70,000 RWP-hrs	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1	≤1

Definition

This chart reflects the number of ORPS reportable personnel contamination events/cases per month. Beginning in Oct. 2008 we converted to an annual goal of < 3.0 events per 200,000 RWP-hrs. Beginning in October 2010 we converted to an annual goal of <1.0 events per 70,000 RWP-hrs because LWO has 1/3 of the total RWP hours as compared to M&O. The monthly and FYTD rate is obtained by multiplying the number of events by 70,000 hours and dividing by the number of applicable RWP hours. The score coincides with the FYTD Rate. October 2009 begins the new fiscal year.

Analysis

COLOR: Blue

Analysis: Excellent

ORPS (6D3) event: None

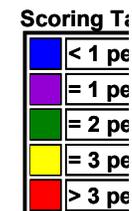
Action: SRR management continues to closely monitor contamination events, even those minor errors that are below the ORPS reporting thresholds. The minor errors are used as a leading indicator that may signal adverse trends that could lead to an increase in the number of reportable events. For each event,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

SRR PI Owner: Jim Wilson (803) 208-3354 SRNS SME: Ellen Parrish (803) 208-1027

DOE PI Owner: Charles Radford (803) 952-8595



LWO RADIOLOGICAL SAFETY PERFORMANCE
Number of Occurrences of Radioactive Material/Contamination
Detected Outside of Radiological Areas
 Through March 31, 2010



Title	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10
Contamination Events	0	0	0	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	=0

Definition This chart reflects the number of ORPS (6B1, 6B2, 6B3, 6B4) reportable occurrences of radioactive material or spread of contamination found outside of radiological areas (includes RBAs not contiguous with a Contamination Area,

clean areas, and controlled areas).

Analysis

Color: Blue

Analysis: Excellent

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.

9/15/08: HTF Seven Springs Laydown Yard - 20K d/m/100cm2 alpha

SRR PI Owner: Jim Wilson (803) 208-3354 SRNS SME: Ellen Parrish (803) 208-1027

DOE PI Owner: Charles Radford (803) 952-8595

