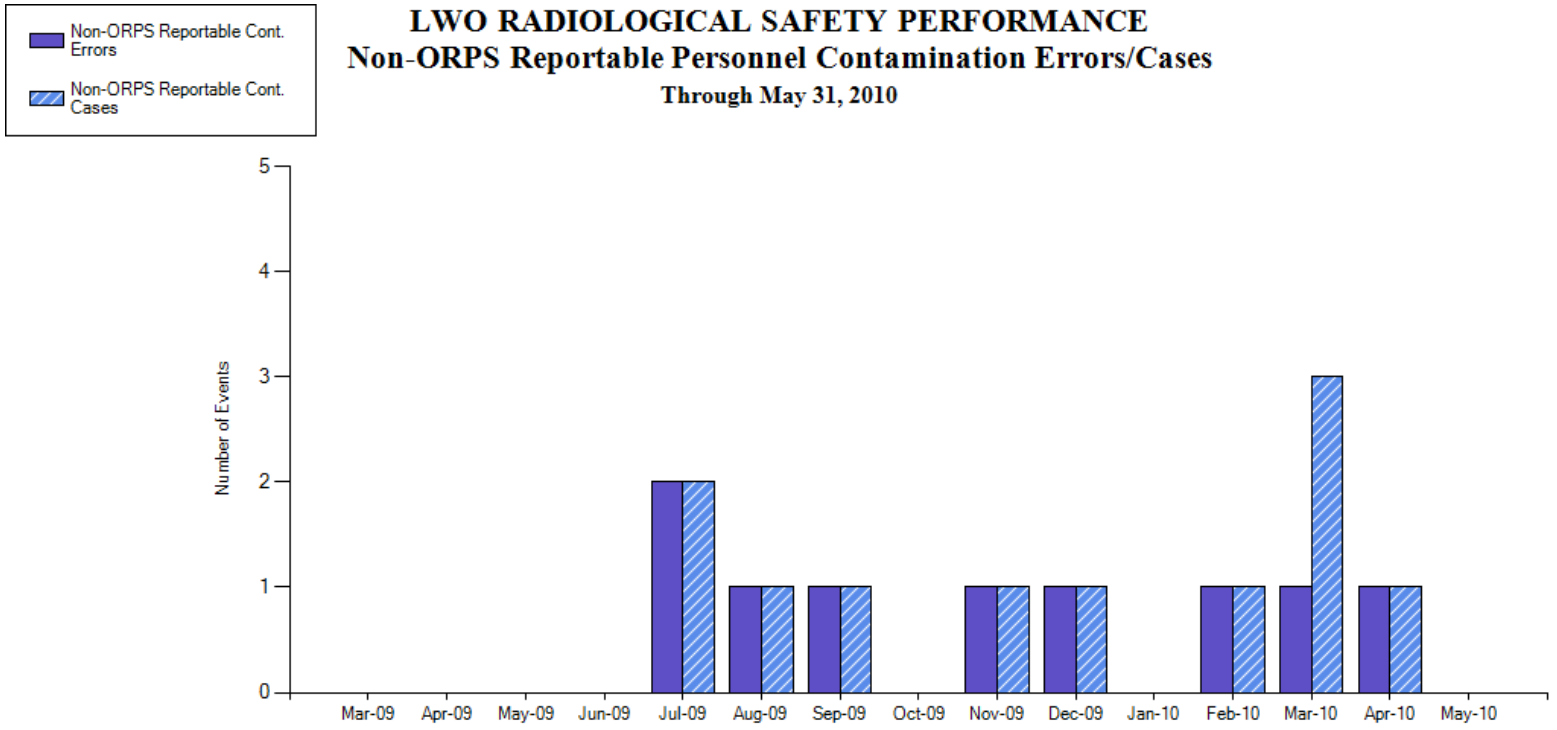


Title	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10
Non-ORPS Reportable Cont. Errors	0	0	0	0	2	1	1	0	1	1	0	1	1	1	0
Non-ORPS Reportable Cont. Cases	0	0	0	0	2	1	1	0	1	1	0	1	3	1	0

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

Analysis

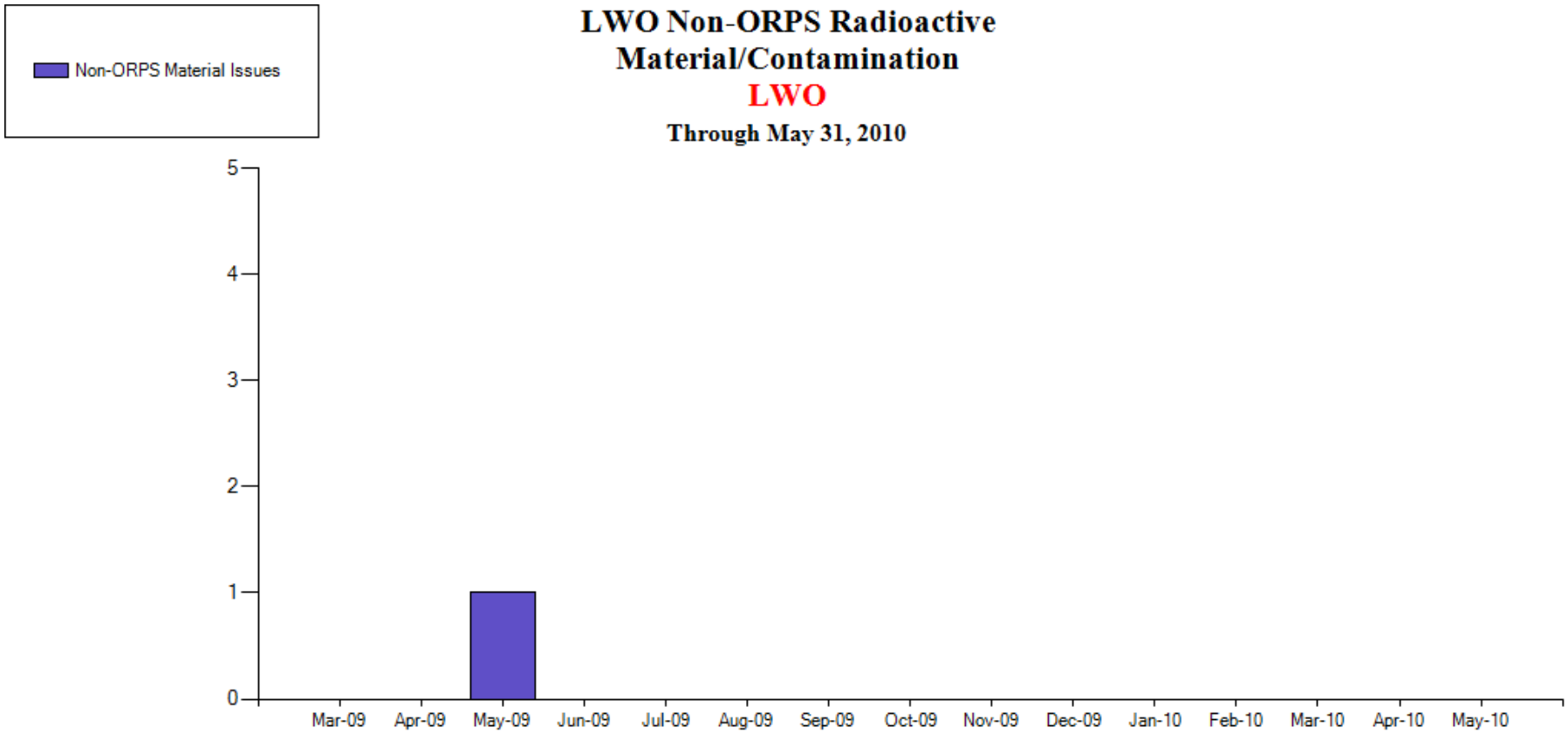
Current Data: None

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/100cm 2 BG, ND alpha, **2/19/10**: Salstone Operator contaminates personnel clothing to 40K d/m/100cm2 BG at Vault 4. **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, **4/1/10:** Saltstone: One worker's personnel clothing became contaminated to a maximum of 17K d/m/100cm2 BG and maximun of 2K d/m/100cm2 BG on skin while performing work on Vault 4 roof.

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



Title	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	Apr-10	May-10
Non-ORPS Material Issues	0	0	1	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
Score															

Definition

This chart reflects the number of non-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) and any offsite events. Area Non-ORPS errors are a leading indicator for the Area

ORPS events.

Analysis

Color: Blue

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.

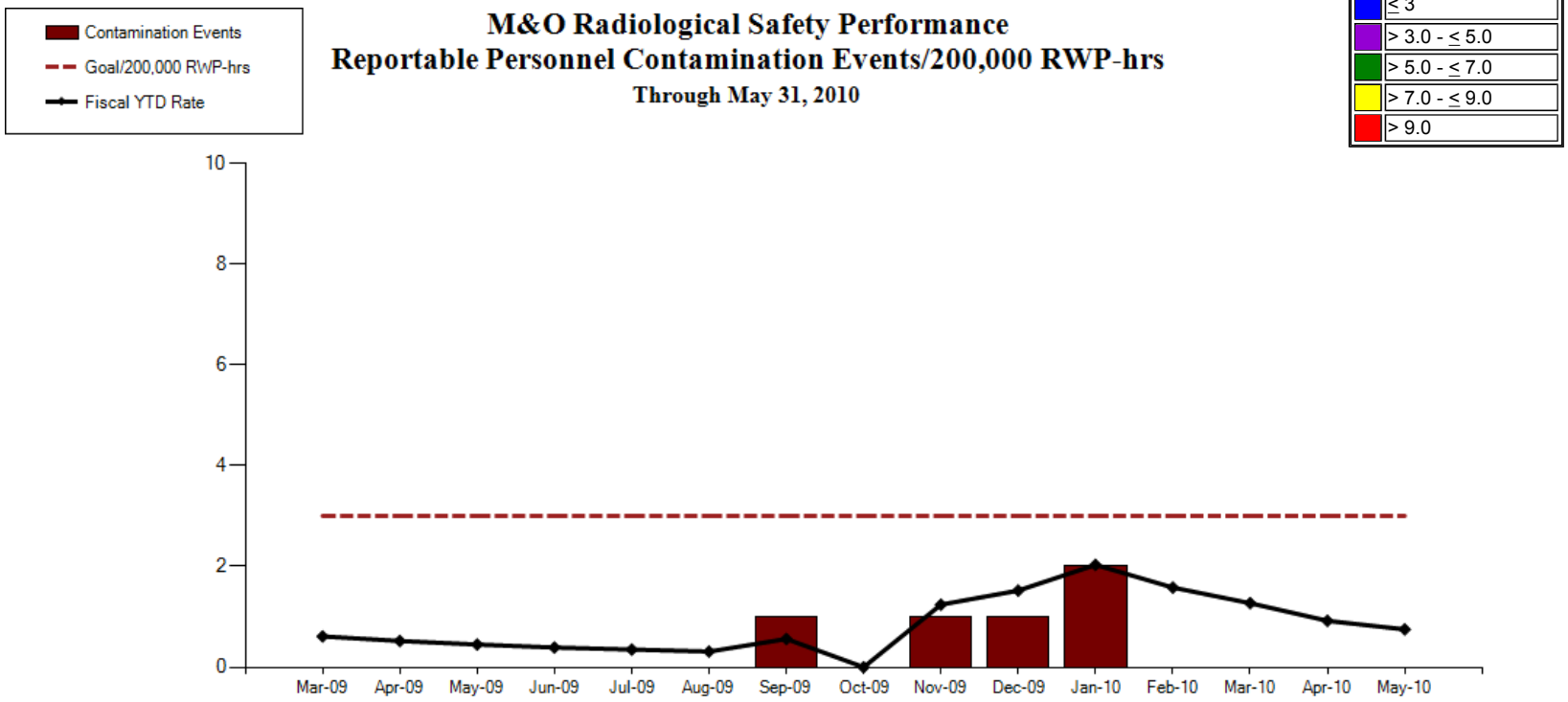
Historical Data: 1/8/08 DWPF: Yoke #11 paint chips flaked off onto the asphalt when it was set down for relifiting, 100K d/m/100cm2 BG. **1/15/08 HTF**: Green Is Clean bag of waste from Tk 50 contains contaminated items. **3/10/08 HTF**: Contaminated MSA instrument from Tk 51, 8K d/m/100cm2 BG. **3/17/08 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.

Scoring Target

	< 1 per month
	= 1 per month
	= 2 per month
	= 3 per month
	> 3 /month or 1 offsite

Scoring Target

≤ 3
> 3.0 - ≤ 5.0
> 5.0 - ≤ 7.0
> 7.0 - ≤ 9.0
> 9.0



Title	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	Apr-10	May-10
Contamination Events	0	0	0	0	0	0	1	0	1	1	2	0	0	0	0
Contamination Events (FY)	1	1	1	1	1	1	2	0	1	2	4	4	4	4	4
Goal/200,000 RWP-hrs	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
RWP Hrs. (Month)	61114	55870	60576	62572	65412	68708	77714	71396	90292	101356	131016	113830	119800	239736	202140
RWP Hrs. (FY)	329852	385722	446298	508870	574282	642990	720704	71396	161688	263044	394060	507890	627690	867426	1069566
Fiscal YTD Rate	0.61	0.52	0.45	0.39	0.35	0.31	0.56	0	1.24	1.52	2.03	1.58	1.27	0.92	0.75
Score: Fiscal YTD Rate	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3	<=3

Definition

This chart reflects the number of ORPS reportable personnel contamination events per month. Beginning in Oct. 2008 the annual goal converted to an annual goal of ≤ 3.0 events per 200,000 RWP-hours. The FYTD rate is obtained by multiplying the number of events by 200,000 hours and dividing by the number of applicable RWP hours. The score coincides with the FYTD Rate. October 2009 begins FY2010.

Analysis

Analysis: Excellent **Color:** Blue

ORPS(6D3) Event: None

Historical ORPS(6D3) Event: 4/21/08 SRNL Researcher's white labcoat was contaminated to 10K d/m/100cm2 alpha and shirt to 9500 d/m/100cm2 alpha, **9/5/08 SRNL** 2 Researchers contaminate skin 80K-100K d/m/100cm2 BG, **9/25/08 SWM MRS** 2 Op contaminated PE 20K d/m/100cm2 alpha & 3K d/m/100cm2 alpha (non-ORPS) **11/24/08** HBL shoe 80K d/m/100cm2 alpha, **9/10/09 HCA** Construction worker contaminates PE 40K d/m/100cm2 alpha, **11/9/09 SWM 2** Ops contaminated PE working w/Pu238 drums to 10K d/m/100cm2 alpha (worker 1) & 100K d/m/100cm2 alpha (worker 2), **12/23/09 SRNL:** Lab Tech contaminates white labcoat in B-103 to 400K d/m/100cm2 BG, **1/18/10 CLAB** 1 Construction worker contaminated personal clothing to 15K d/m/100cm2 alpha while renovating Control room in 772-1F. **1/25/10 SRNL** Lab tech. contaminates white labcoat (4-10K d/m/100cm2 alpha), PE (800 d/m/100cm2 alpha), and skin (400 d/m/100cm2 alpha) while working with samples in B-134.

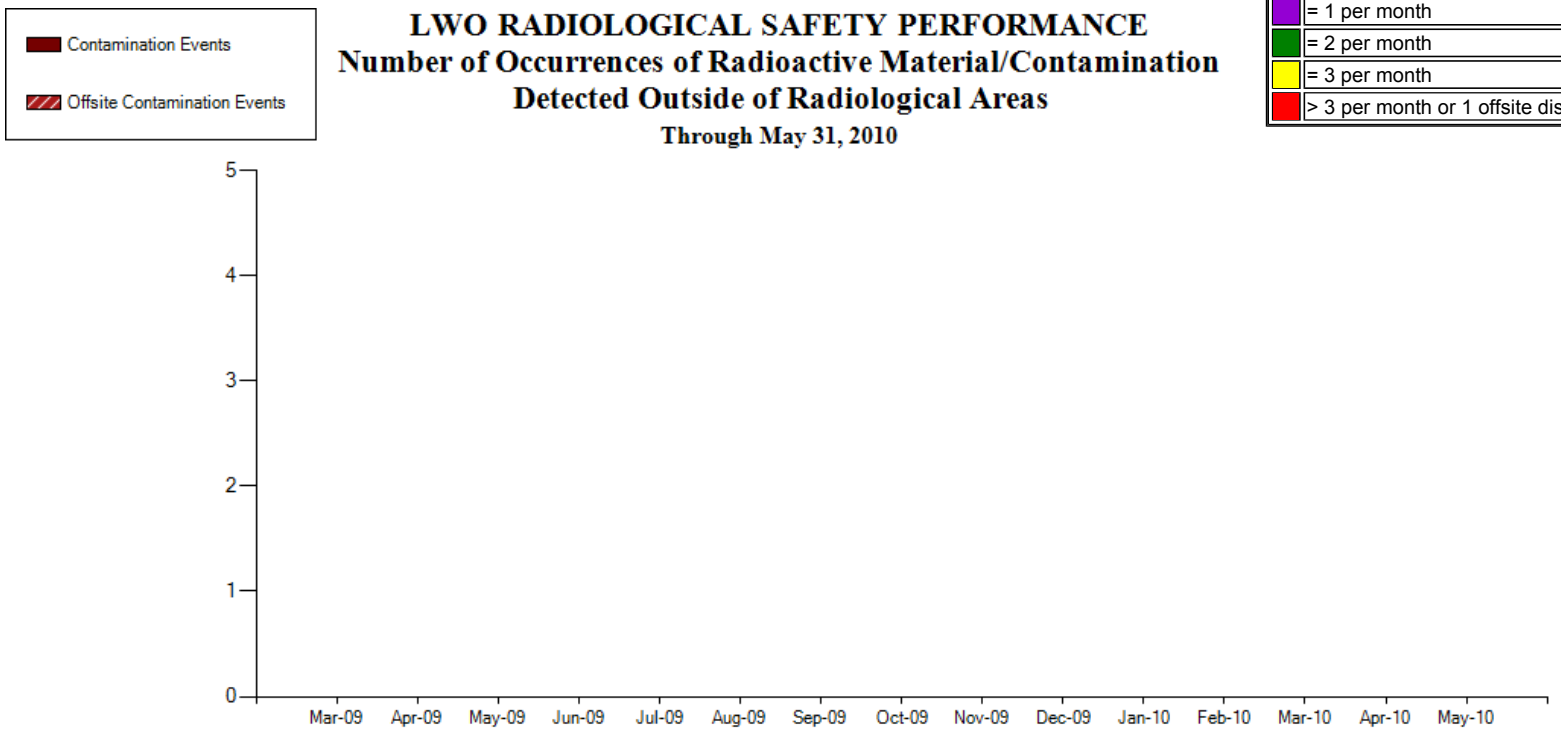
Action:
The Radiation Protection Department continues to conduct briefings to the affected facilities/projects on the results of the "Radiological Contamination Causal Analysis." In addition, briefings have been conducted for SRNS Executive Management, the Facility Manager's Forum, and the Functional Area Managers' Forum. "Routine work by experienced workers" and "New work or Unexpected Conditions by less experienced workers" continues to be the focus areas for review and oversight. Performance continues to be acceptable and stable.

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

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

Scoring Target

	< 1 per month
	= 1 per month
	= 2 per month
	= 3 per month
	> 3 per month or 1 offsite discovery



Title	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	Apr-10	May-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
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