EVENT RATING FORM (ERF)

THE INTERNATIONAL NUCLEAR EVENT SCALE (INES)

EVENT TITLE	Potential Radiation Overexposure to a Radiographer	EVENT DATE
		2004.08.03

RATING	RATING DATE	OUT OF SCALE	DEVIATION	INCIDENT			ACCIDENT				FACILITY TYPE			
			0	1	2	3	4	5	6	7				
PROVISIONAL ■											Power Reactor ☐	Research Reactor ☐		
FINAL ☐	2004.08.05	☐	☐	☐	■	☐	☐	☐	☐	☐	Radwaste Facility ☐	Radiation Source ■		
COUNTRY			FACILITY NAME								Irradiation ☐	Transportation ☐		
USA			Mills, Wyoming								Fuel Fabrication ☐	Fuel Reprocessing ☐		
LOCATION											Research Facility ☐	Mining/Milling ☐		
Mills, Wyoming											Enrichment Facility ☐	Other ☐		

	YES	NO
OFF-SITE IMPACT		
RELEASE BEYOND AUTHORIZED LIMITS	☐	■
OVEREXPOSURE OF MEMBERS OF PUBLIC	☐	■
ON-SITE IMPACT		
CONTAMINATION SPREAD	☐	■
WORKER OVEREXPOSURE	■	☐
DAMAGE TO RADIOLOGICAL BARRIERS	☐	■
DEGRADATION OF DEFENSE IN-DEPTH	☐	■
PERSON INJURED PHYSICALLY OR CASUALTY	☐	■
IS THERE A CONTINUING PROBLEM	☐	■
PRESS RELEASE ISSUED (IF YES, PLEASE ATTACH)	☐	■

EVENT DESCRIPTION

On August 3, 2004, a licensee notified the Nuclear Regulatory Commission (NRC) that an industrial radiographer may have received an exposure in excess of NRC's regulatory limit of 0.05 sievert (5 rem) total effective dose equivalent (whole body).

The licensee stated that their dosimetry processor had informed them that one of the licensee's employees had an unusually high reading on his whole-body dosimeter. The reading on the employee's dosimeter for the month of June, 2004 was found to be 1.216 sievert (121.6 rem). The dosimetry processor informed the licensee that the badge had been reprocessed but yielded the same reading.

The individual does not recall his alarming rate meter alarming during the performance of his duties. When not in use, the individual stored his dosimeters in his desk drawer, which was not located near any known radioactive source.

The licensee is continuing to investigate the potential overexposure, including reexamination of

the individual's work activities during the period of interest. The individual is being sent to a local physician in Evanston, Wyoming, for blood cell analysis to assist in validating the dosimeter results.

NRC's investigation continues. Upon the conclusion of NRC's investigation, this report will be updated.

RATING JUSTIFICATION AND DIFFICULTIES ENCOUNTERED

The provisional rating for this event is Level 2.

A Level 2 is warranted for exposure of an individual worker in excess of statutory annual limits. See Section 5.2.1, Draft Additional Guidance for the INES National Officers for Pilot Use and Feedback, dated 26 May 2004.

CONTACT PERSON FOR FURTHER INFORMATION					
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