

EVENT RATING FORM (ERF)

THE INTERNATIONAL NUCLEAR EVENT SCALE (INES)														
EVENT TITLE Potential Radiographer Overexposure											EVENT DATE 2004.10.31			
RATING	RATING DATE	OUT OF SCALE	DEVIATION	INCIDENT			ACCIDENT				FACILITY TYPE			
PROVISIONAL <input checked="" type="checkbox"/>			0	1	2	3	4	5	6	7	Power Reactor <input type="checkbox"/>	Research Reactor <input type="checkbox"/>		
FINAL <input type="checkbox"/>	2005.29.03	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Radwaste Facility <input type="checkbox"/>	Radiation Source <input checked="" type="checkbox"/>						
COUNTRY USA				FACILITY NAME Pasadena, Texas							Irradiation <input type="checkbox"/>	Transportation <input type="checkbox"/>		
LOCATION Pasadena, TX											Fuel Fabrication <input type="checkbox"/>	Fuel Reprocessing <input type="checkbox"/>		
											Research Facility <input type="checkbox"/>	Mining/Milling <input type="checkbox"/>		
											Enrichment Facility <input type="checkbox"/>	Other <input type="checkbox"/>		
OFF-SITE IMPACT											YES	NO		
RELEASE BEYOND AUTHORIZED LIMITS											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
OVEREXPOSURE OF MEMBERS OF PUBLIC											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
ON-SITE IMPACT														
CONTAMINATION SPREAD											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
WORKER OVEREXPOSURE											<input checked="" type="checkbox"/>	<input type="checkbox"/>		
DAMAGE TO RADIOLOGICAL BARRIERS											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
DEGRADATION OF DEFENSE IN-DEPTH											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PERSON INJURED PHYSICALLY OR CASUALTY											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
IS THERE A CONTINUING PROBLEM											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
PRESS RELEASE ISSUED (IF YES, PLEASE ATTACH)											<input type="checkbox"/>	<input checked="" type="checkbox"/>		
EVENT DESCRIPTION														
<p>On March 14, 2005, the State of Texas notified the Nuclear Regulatory Commission (NRC) that an industrial radiographer's dosimeter analysis indicated that the individual may have exceeded the NRC's annual occupational total effective dose equivalent limit of 50 millisievert (mSv) or 5 rem.</p> <p>On October 31, 2004, the State of Texas received a report from one of its licensees that a radiographer received an unexplained dose of 67.3 mSv (6.73 rem) during October 2004.</p> <p>The licensee initiated an investigation and determined through interviews with the radiographer, that he had dropped his dosimeter near a radiographic exposure device containing approximately 1.1 to 1.5 terabecquerels (30-40 curies) of iridium-192 for a period of ½ to one hour. The licensee stated that the radiographer did not report the dosimeter incident at that time or in his written statement describing his work activities. The licensee also noted that during a review of the monthly dosimetry reports, two of the three individuals assigned to work with this</p>														

radiographer wore spare dosimeters.

The State of Texas conducted an inspection on March 14, 2005 and identified and cited the licensee with four violations of the regulatory requirements. Additionally, on March 23, 2005, the State of Texas provided the NRC with information concluding that the radiographer received an accrued annual dose of 77.8 mSv (7.78 rem) for calendar year 2004, a dose in excess of the NRC occupational dose limit of 50 mSv (5 rem).

The rating for this event is Level 2.

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

CONTACT PERSON FOR FURTHER INFORMATION

NAME	Cynthia Jones	AFFILIATION	United States Nuclear Regulatory Commission		
ADDRESS	Washington, DC USA				
PHONE	301-415-0298	FAX	301-415-6382	E-MAIL	cgj@nrc.gov

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