

# EVENT RATING FORM (ERF)

THE INTERNATIONAL NUCLEAR EVENT SCALE (INES)															
EVENT TITLE Occupational Overexposure of Nuclear Pharmacist Trainee												EVENT DATE 2004.03.17			
RATING		RATING DATE	OUT OF SCALE	DEVIATION 0	INCIDENT			ACCIDENT				FACILITY TYPE			
PROVISIONAL	<input type="checkbox"/>				1	2	3	4	5	6	7	Power Reactor	<input type="checkbox"/>	Research Reactor	<input type="checkbox"/>
FINAL	<input checked="" type="checkbox"/>	2004.05 .26	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Radwaste Facility	<input type="checkbox"/>	Radiation Source	<input type="checkbox"/>
COUNTRY USA				FACILITY NAME Palmetto Health Baptist Hospital						Irradiation		<input type="checkbox"/>	Transportation		<input type="checkbox"/>
LOCATION Columbia, South Carolina										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 checked="" 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"/>			
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 May 25, 2004, the Nuclear Regulatory Commission was informed of the occupational overexposure to a nuclear pharmacist trainee in the State of South Carolina. The licensee's consultant determined that the nuclear pharmacist trainee received a shallow dose equivalent of 7,400 mGy, a deep dose equivalent of 70 mSv and a thyroid dose of 0.9 mSv. The overexposure occurred on March 17, 2004, when the nuclear pharmacist trainee spilled a vial containing liquid iodine-131 while preparing a radiopharmaceutical.</p> <p>The Nuclear Regulatory Commission's annual limits are as follows: 500 mSv for shallow dose equivalent; and 50 mSv for the sum of the deep dose equivalent and the thyroid dose, which is multiplied by its weighting factor.</p> <p>RATING JUSTIFICATION AND DIFFICULTIES ENCOUNTERED</p> <p>This event is rated at a Level 2, per INES User's Manual 2001 Edition, because the event resulted in a dose to a worker exceeding a statutory annual dose limit for radiation workers.</p>															

<b>CONTACT PERSON FOR FURTHER INFORMATION</b>					
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