

INES Event Rating Form

Event Title:	Overexposure to Radiographer Trainee Extremities
Date of Event:	2011-09-12 2011-09-12
Event Location / Facility Name:	Lavaca, Texas
Event Country:	United States
Type of Event:	Other

INES Rating:	3
Status of Rating:	Provisional
Date of Rating:	2011-09-21

Impact on People and Environment		
<i>Release beyond authorized limits?</i>	<input type="checkbox"/>	
<i>Overexposure of a member of the public?</i>	<input type="checkbox"/>	
<i>Overexposure of a worker?</i>	<input checked="" type="checkbox"/>	
Impact on the Radiological Barriers and Controls at Facilities		
<i>Contamination spread within the facility?</i>	<input type="checkbox"/>	
<i>Damage to radiological barriers (incl. fuel damage) within the facility?</i>	<input type="checkbox"/>	
Degradation of Defence In-Depth?	<input type="checkbox"/>	
Person injured physically or casualty?	<input checked="" type="checkbox"/>	
Is there a continuing problem?	<input type="checkbox"/>	

Event Description:

Note: When the ERF is published on IAEA NEWS, the first 300 characters of the event description will appear on the NEWS home page.

The preliminary information indicates that a radiographer trainee received an extremity exposure to the fingers, as result of removing a radiography camera guide tube with the source still in it and touching the source. The trainee's fingers indicate observable deterministic effects, which include blistering of the thumb, index and middle fingers. These types of effects correspond to an exposure range of 20 to 30 Sv (2000 to 3000 rem) to the extremities. The trainee is receiving medical care at an area hospital. The trainee's whole body dosimeter was processed immediately and the dose result indicates 14 mSv (1,4 rem). The State of Texas has initiated an investigation to gather additional details of the event and to determine the estimated dose to the extremities. These are all the known details at this time.

Justification of INES Rating:

Note: When the ERF is published on IAEA NEWS, the justification of the INES rating will only appear to privileged users.

A Level 3 is warranted for exposure of a worker where deterministic effects are observed. See Section 2.3.2 INES User's Manual 2008 Edition (IAEA-INES-2009) http://www-pub.iaea.org/MTCD/publications/PDF/INES-2009_web.pdf

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Annexes:

Annex Title	Category	Description <i>(optional)</i>
Click here to enter text.	Choose an item.	Click here to enter text.
Click here to enter text.	Choose an item.	Click here to enter text.