

# INES Event Rating Form

<b>Event Title:</b>	Overexposure to Radiographer
<b>Date of Event:</b>	2009-12-31
<b>Event Location / Facility Name:</b>	Blazer Inspection/Texas City, Texas
<b>Event Country:</b>	United States
<b>Type of Event:</b>	Radiation Source

<b>INES Rating:</b>	2
<b>Status of Rating:</b>	Final
<b>Date of Rating:</b>	2015-08-26

<b>Impact on People and Environment</b>		
<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>	x	
<b>Impact on the Radiological Barriers and Controls at Facilities</b>		
<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"/>	
<b>Degradation of Defence In-Depth?</b>	<input type="checkbox"/>	
<b>Person injured physically or casualty?</b>	<input type="checkbox"/>	
<b>Is there a continuing problem?</b>	<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 licensee reported that one of their radiographers received a deep dose equivalent of 55.63 mSv (5.563 rem) during 2009. The licensee stated that the exposure had accumulated over the year and was not the result of a one-time event. Additionally, the licensee stated that the exposure probably occurred while the radiographer was using high activity sources in confined spaces. The licensee believes that the shooting times were so short that the radiographer was not able to not maximize distance during operations. Additionally, the licensee stated that the exposure probably occurred while the radiographer was using high activity sources for operations with short shot times and because of the short shot times the radiographer was not able to increase his distance beyond the cranking device to reduce his dose. Corrective actions included reprimanding the radiographer and providing improved supervision (monitoring the radiographer exposure more closely in the future). NRC NMED100112

## 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 2 is warranted for exposure of a worker in excess of statutory annual dose limits. See Section 2.3.1 INES User's Manual 2008 Edition (IAEA-INES-2009) [http://www-pub.iaea.org/MTCD/publications/PDF/INES-2009\\_web.pdf](http://www-pub.iaea.org/MTCD/publications/PDF/INES-2009_web.pdf)

<b>Further Info on Web (URL):</b>	Click here to enter text.
<b>Contact Person:</b>	Patricia Milligan
<b>Affiliation/Organization:</b>	U.S. Nuclear Regulatory Commission

<b>Email:</b>	Patricia.Milligan@nrc.gov
<b>Telephone:</b>	301-287-3739
<b>Organization Website URL:</b>	www.nrc.gov

**Annexes:**

<b>Annex Title</b>	<b>Category</b>	<b>Description <i>(optional)</i></b>
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.