

# INES Event Rating Form (ERF)

Version 1

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<b>Sender's Name:</b>	Patricia Milligan
<b>Sender's Organization:</b>	Nuclear Regulatory Commission (NRC) (United States of America)
<b>Event Title:</b>	Overexposure to Nuclear Medicine Technologist
<b>Event Date:</b>	2015-02-27
<b>Location / Facility:</b>	Phoenix, Arizona/Phoenix Baptist Hospital and Med
<b>Event Country:</b>	United States of America
<b>Event Type:</b>	Other
<b>INES Rating:</b>	2 - Incident (Final)
<b>Rating Date:</b>	2015-08-21

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## Impact on people and the environment

Release beyond authorized limits?	No
Overexposure of a member of the public?	No
Overexposure of a worker?	Yes

## Impact on the radiological barriers and controls at facilities

Contamination spread within the facility?	No
Damage to radiological barriers (incl. fuel damage) within the facility?	No

## Degradation of Defence In-Depth?

No

## Other information

Person injured physically or casualty?	No
Is there a continuing problem?	No

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## Event Description

In February 2015, it was determined that a nuclear medicine technologist received a cumulative annual whole body dose of 110 mSv (11 rem) for the time period of September 01, 2014 to January 07, 2015, which exceeds the annual statutory dose limit of 50 mSv (5 rem). The State completed their investigation and confirmed the validity of the whole body dose on July 13, 2015. The staff member received 100 mSv (10 rem) for 2014 and 10.1 mSv (1.01 rem) for 2015. NRC EN50877.

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## Rating Justification

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)

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**Press Release Attached:** No

**Technical Document Attached:** No

**Further Information on Web:**

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