

INES Event Rating Form

Event Title:	Overdose to Nuclear Pharmacist
Date of Event:	2016-10-19
Event Location / Facility Name:	Portland, Oregon/Petnet Solutions
Event Country:	United States
Type of Event:	Radioisotope Processing/Handling Facility

INES Rating:	2
Status of Rating:	Final
Date of Rating:	2016-11-08

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>	X	
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 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 licensee (PETNET Solutions) has confirmed an extremity dose of greater than 0.5 Sv (50 rem) to one of its nuclear pharmacists. Dosimetry results for a ring badge worn on the pharmacist's right ring finger accumulated a total dose of 0.511 Sv (51.1 rem) for the year as of October 19, 2016. The pharmacist received the dose while working at the licensee's locations in Phoenix, Arizona, and Portland, Oregon. The pharmacist has been placed on work restrictions. The licensee expects to complete a root cause analysis within 2 weeks. NRC EN52350

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

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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.