

INES Event Rating Form (ERF)

Version 1

Sender's Name:	Patricia Milligan
Sender's Organization:	Nuclear Regulatory Commission (NRC) (United States of America)
Event Title:	Worker Overexposure
Event Date:	2017-07-21
Location / Facility:	Jacksonville, Florida / Triad Isotopes Inc.
Event Country:	United States of America
Event Type:	Radioisotope Processing/Handling Facility
INES Rating:	2 - Incident (Final)
Rating Date:	2017-07-28

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

Event Description

A pharmacy technician received an elevated whole body dose in April 2017. The licensee requested the expedited processing of the May 2017 whole body dosimeter and a dose of 110 mSv (11 rem) was reported. The isotopes involved are believed to be Mo-99/Tc-99m, Tc-99m, and Ga-68. The U.S. statutory limit for whole body dose is 50 mSv (5 rem).

The licensee took immediate actions to prohibit the employee from entering the restricted area of the pharmacy and from handling, receiving, or delivering any radioactive materials. The licensee also conducted prompt retraining of all employees on the as-low-as-reasonable-achievable (ALARA) program, personnel dosimetry and exposure monitoring policy, and proper storage and use of material. The licensee is evaluating if additional corrective actions are warranted. The licensee investigation is ongoing. NRC EN52868

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

Press Release Attached: No

Technical Document Attached: No

Further Information on Web:

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