

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:	Overexposure to Radiographer
Event Date:	2016-08-24
Location / Facility:	Mistras Group/Deer Park Texas
Event Country:	United States of America
Event Type:	Radiation Source
INES Rating:	2 - Incident (Final)
Rating Date:	2016-10-04

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

The licensee radiographer's dosimetry report for July 2016 recorded a dose of 0.055 Sv (5.5 rem), bringing his total dose to 0.064 Sv (6.4 rem), which is above the statutory limit of 0.05 Sv annually (5 rem) for a radiation worker. The Radiation Safety Officer believes the radiographer may not have been properly distancing himself from the source while performing radiography in an enclosed area. NRC EN52199

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:

Contact Person: Patricia Milligan
Affiliation: Nuclear Regulatory Commission (NRC)
Email: Patricia.Milligan@nrc.gov
Telephone: 001 301 287 3739
Organization on Web: <http://www.nrc.gov>