

INES Event Rating Form (ERF)

Version 1

Sender's Name:	Todd Smith
Sender's Organization:	Nuclear Regulatory Commission (NRC) (United States of America)
Event Title:	Worker Exceeded Annual Dose Limit
Event Date:	2026-07-23
Location / Facility:	Alabama/ Insight NDE
Event Country:	United States of America
Event Type:	Radiation Source

Event Description

On 23 July 2026, a trainee assistant radiographer did not verify radiography source retraction with a survey meter while performing device setup for at least one exposure at a job site. The worker noticed that the source was unlocked after the setup was complete. The worker did not report the incident to the responsible radiographer or the radiation safety officer (RSO) and waited until the end of the monitoring period (31 July 2026) to turn in their dosimeter. Review of work documentation by the RSO determined the date of the overexposure. For the month of July, the worker's total effective dose equivalent (TEDE), as measured by the dosimeter worn on the chest, was 0.08776 Sv (8.776 rem), and the majority of the exposure was assessed to have been received on the event date. This dose exceeds the U.S. statutory annual limit for TEDE of 0.05 Sv (5 rem). EN58422

INES Rating:	2 - Incident (Final)
Rating Date:	2026-09-16

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
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Other information

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

Rating Justification

A Level 2 is warranted for exposure of one worker in excess of statutory annual dose limits. See Section 2.3.1 INES User's Manual 2008 Edition (IAEA-INES-2009) <https://www.iaea.org/publications/10508/ines-the-international-nuclear-and-radiological-event-scale-users-manual>

Press Release Attached:	No
Technical Document Attached:	No
Further Information on Web:	

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