



No: III-22-023

September 8, 2022

Contact: [Viktoria Mitlyng](#), 630-829-9662

[Prema Chandrathil](#), 630-829-9663

NRC Proposes \$8,000 Fine to Indiana University Medical Center for Violations of NRC Requirements

The Nuclear Regulatory Commission is proposing an \$8,000 fine to Indiana University-IUPUI/IU Medical Center Campus for violations of NRC requirements related to the implementation of the personnel radiation monitoring program.

While conducting an inspection, an NRC inspector observed that a radiology physician did not wear his assigned dosimetry devices. Further review of the medical center's radiation safety practices revealed that two radiology physicians had repeatedly failed to adhere to NRC requirements for wearing dosimetry devices while working with licensed and unlicensed radioactive materials. The NRC also conducted an investigation to determine if the radiologists' failures to wear dosimetry devices, as well as IUPUI's failure to require and monitor the wearing of these devices, were willful.

Based on the NRC [inspection and investigation](#) and the medical center's response to the proposed violations, the NRC concluded that IUPUI, based in Indianapolis, Indiana, failed to meet NRC radiation safety requirements. The violations involve:

- Failure to monitor individuals' occupational radiation exposure dose limit;
- Failure to limit the annual occupational dose to a radiologist, resulting in the radiologist exceeding this limit in 2012 and 2013;
- Failure to implement a radiation protection program in accordance with NRC requirements, to include an appropriate response when dosimeters were returned unused or had unexpectedly low exposures; and
- Failure to provide instructions for the proper use of dosimeters to two radiologists who were likely to reach the yearly occupational dose limit.

As a result of these violations, one radiologist received a radiation dose which exceeded the established limit for radiation workers. However, the situation is not expected to have an adverse effect on the individual's health.

The medical center has taken corrective actions and is implementing further steps to address the causes of the violations.

IUPUI has 30 days to dispute the fine or request involvement of a neutral third-party mediator to resolve the issues.

The [Notice of Violation](#) to IUPUI is available on the NRC's [website](#).