



1/10/2023

From Eric Colaianni, SAHS Radiation Safety Officer

TO: U.S. Nuclear Regulatory Commission
ATTN Document Control Desk.

RE: Over exposure report as required by 10CFR20.2203

This report is being furnished pursuant to 10CFR20.2203 regarding annual radiation dose exposure of an individual noted in the separate and detachable part of this report labeled "Privacy Act Information: Not for Public Disclosure." For calendar year 2021 the noted individual received 5,127mrem Total Effective Dose Equivalent as noted by dosimetry badge. His extremity reading, ring finger badge, had a reading of 476mrem when participating in cases involving byproduct material. As primarily an Interventional Radiologist with limited use of byproduct material specific to only Y90 microspheres his effective dose equivalents were calculated for exposure review as received in fluoroscopy when body shielding is worn using Webster's equation correction. This revised Effective Dose Equivalent was calculated at 1548mrem. This revised dose was reported to the individual as such for dose received in calendar year 2021 exposure. This individual is a body Interventional Radiologist in a busy regional trauma certified hospital which can lend itself to a high case load as well as longer complex cases. This along with this proceduralist having only one fully formed hand are believed to be the main causes of his elevated exposure. There have been dose reviews and coaching sessions on time, distance and shielding techniques to reduce exposures to conform to achieving reportable limits.

Eric M. Colaianni