



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

August 2, 2019

MEMORANDUM TO: John W. Lubinski, Director
Office of Nuclear Material Safety and Safeguards

Raymond V. Furstenau **/RA/**
Director of Nuclear Regulatory Research

SUBJECT: IMPENDING PUBLICATION OF NUREG/CR-7259, "MILDOS
VERSION 4.1 COMPUTATIONAL VERIFICATION REPORT"

I am forwarding for your information the enclosed final version of NUREG/CR-7259, "MILDOS Version 4.1 Computational Verification Report." This NUREG is the product of the MILDOS code development under User Need Request NMSS-15-001.

This report provides verification calculations performed by Argonne National Laboratory's (ANL's) technical staff for the MILDOS computer code Version 4.1. This report contains hand-calculation methods for MILDOS Version 4.1 code verification that estimates radiation exposure from airborne particles from uranium milling, mining facilities, and in-situ recovery (ISR) operations with improved accuracy and computational speed.

This report was distributed to your staff for comment and review and includes the latest recommendations and input from your TA, Matthew Meyer, dated June 6, 2019 and finalized by my staff Casper Sun. All comments have been resolved.

RES has established an online quality survey to collect feedback the user offices on the usefulness of RES products and services. The survey can be found online at the hyperlink: <https://drupal.nrc.gov/res/quality-survey>. I would appreciate the responsible manager or supervisor completing this short – about 5 minutes—survey within the next 10 working days to present your office's views of the delivered RES product.

Should you require any additional information, please contact Casper Sun of my staff at (301) 415-1646 or Casper.Sun@nrc.gov. A copy of this impending publication document can be found in the ADAMS, under accession number ML19192A109.

Enclosure:
As stated

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