

June 12, 2012

MEMORANDUM TO: Mark Satorius, Director
Office of Federal and State Materials
and Environmental Management Programs

FROM: Brian W. Sheron, Director **/RA/**
Office of Nuclear Regulatory Research

SUBJECT: IMPENDING PUBLICATION OF NUREG-2118, VOLUME 1,
"OCCUPATIONAL RADIATION EXPOSURE AT AGREEMENT
STATE-LICENSED MATERIALS FACILITIES, 1997- 2010"

I am forwarding you a copy of the final report for NUREG-2118, Volume 1, "Occupational Radiation Exposure at Agreement State-Licensed Materials Facilities, 1997-2010." The Office of Nuclear Regulatory Research (RES) will submit this final report for publication in 2 weeks.

Task 2 of your User Need request, "User Need Request to Inform Staff on the Impacts of Revising U.S. Nuclear Regulatory Commission's Radiation Protection Regulations and Guidance with respect to the 2007 Recommendations of the International Commission on Radiological Protection," dated January 6, 2010 to which RES assigned the number FSME-2010-001, requested RES staff to obtain occupational radiation exposure data from Agreement State licensees to expand the current data maintained in the U.S. Nuclear Regulatory Commission's (NRC) Radiation Exposure Information and Reporting System (REIRS) database. NUREG-2118, Volume 1 summarizes the occupational radiation exposure data maintained in the REIRS database for Agreement State licensees from 1997 through 2010.

From 1997 through 2010, nine Agreement State licensee categories submitted occupational radiation exposure data to REIRS. These Agreement State licensee categories are industrial radiographers; manufacturers and distributors of byproduct material; waste disposal burial and service processing and/or repackaging; irradiators; well logging companies and/or sealed source facilities; measuring systems and portable gauge facilities; calibration services; veterinary (non-human) facilities; and other services. NUREG-2118, Volume 1 reflects the occupational radiation exposure data from 312 Agreement State licensees. Compilations of the reports submitted by the 312 Agreement State licensees indicated that 40,622 individuals were monitored and 31,704 of these individuals received a measurable occupational dose. The collective dose incurred by these individuals was 5,908 person-rem and the average measureable dose was 0.19 rem.

CONTACT: Doris Lewis, RES/DSA
301-251-7559

M. Satorius

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Staff in your office reviewed a draft of this report that was transmitted to you as part of a memorandum dated February 27, 2012. In addition, Appendix A to NUREG-2118, "Annual TEDE for Agreement State Licensees," was transmitted to Agreement State representatives, under RCPD-12-005, dated March 13, 2012. The enclosed final report reflects the resolution of staff and Agreement State representative comments received on the draft report.

RES has established an online quality survey to collect feedback from user offices on the usefulness of RES products and services. Stephanie Bush-Goddard, the RES Branch Chief responsible for this product, will send the URL for this survey to her counterparts in your office via e-mail. I would appreciate it if you would see that this short –about 5 minutes– survey is completed and returned to RES by the responsible manager or supervisor within 10 working days of receiving the e-mail to give your office's views of the delivered RES product.

Please contact me or Ms. Doris Lewis, of my staff, at 301-251-7559 if you have any questions.

Enclosure:

Occupational Radiation Exposure Radiation Exposure at
Agreement State-Licensed Materials Facilities, 1997-2010

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