December 22, 2008

MEMORANDUM TO: Eric J. Leeds, Director
Office of Nuclear Reactor Regulation

Charles L. Miller, Director
Office of Federal and State Materials
and Environmental Management Programs

Michael F. Weber, Director
Office of Nuclear Material Safety and Safeguards

Michael R. Johnson, Director
Office of New Reactors

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

SUBJECT: IMPENDING PUBLICATION OF NUREG-0713, VOLUME 29, "OCCUPATIONAL RADIATION EXPOSURE AT COMMERCIAL NUCLEAR POWER REACTORS AND OTHER FACILITIES, 2007"

I am forwarding this memorandum for your information concerning the publication of NUREG-0713, Volume 29, "Occupational Radiation Exposure at Commercial Nuclear Power Reactors and Other Facilities, 2007." The Office of Nuclear Regulatory Research (RES) will submit this final report to publication in 2 weeks.

NUREG-0713, Volume 29, summarizes the 2007 occupational radiation exposure data maintained in NRC's Radiation Exposure Information and Reporting System (REIRS) database. Seven categories of NRC licensees are required to annually report individual exposure in accordance with 10 CFR 20.2206. NUREG-0713, Volume 29, currently contains information on five categories of NRC licensees because no high-level waste geologic repositories are in operation and all low-level waste disposal facilities are regulated by Agreement States.

This report reflects the occupational radiation exposure data that the NRC received from 210 licensees, of which 104 were commercial operators of nuclear power reactors. Compilation of the reports submitted by the 210 licensees indicated that 126,869 individuals were monitored, 64,170 of whom received a measurable occupational dose. The collective dose incurred by these individuals was 12,155 person-rem, and the average measureable dose was 0.19 rem.

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The annual NUREG-0713 report is useful in evaluating trends in occupational radiation exposures. For example, the NRC staff uses the data presented in NUREG-0713 in several ways: (1) as one of the metrics of the agency's Reactor Oversight Program; (2) for comparative analyses of radiation protection performance (i.e., U.S./foreign, BWR/PWR, nuclear industry/materials industry); (3) to provide for the monitoring of transient workers who may affect dose distribution statistics through multiple counting; and (4) to provide radiation exposure histories to individuals who were exposed to radiation at NRC-licensed facilities.

RES coordinated the review of the draft NUREG-0713 report with appropriate staff in your office and the comments were addressed in the final NUREG-0713 report.

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DSA r/f

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