



UNITED STATES
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May 7, 2015

MEMORANDUM TO: Joseph G. Giitter, Director
Division of Risk Assessment
Office of Nuclear Reactor Regulation

FROM: Richard P. Correia, Director *R. Correia*
Division of Risk Analysis
Office of Nuclear Regulatory Research

SUBJECT: DEVELOPMENT OF METRIC MONITORING METHODOLOGIES
TASK 21 OF USER NEED NRR-2008-003 ANNUAL UPDATE

The purpose of this memorandum is to transmit the enclosed letter report in response to Task 21 of User Need NRR-2008-003, "Development of Metric Monitoring Methodologies." This task assesses the effectiveness of the ongoing improvements to the fire protection regulatory framework using recent plant data. This action was a result of Staff Requirements Memorandum (SRM)-071708. Our respective staffs worked together during the development of this report, and have coordinated their findings and insights.

The enclosed letter report presents the analysis of all fire events reported between 1985 and 2014, as well as a study of fire protection inspection findings reported since 2000, with the start of the triennial and annual/quarterly procedures used in the Reactor Oversight Process. Our analysis indicates that there is no statistically significant trend for inspection findings made during the quarterly fire protection inspections or the triennial fire protection inspections for the stated period. However, the analysis indicates a statistically significant downward trend for the fire events reported via 10 CFR 50.72/73 between 1985 and 2014. RES will continue to compile data on an annual basis.

During the user need meeting on December 20, 2011, NRR and RES agreed to expand Task 21 to include information regarding trending of licensees' long-term compensatory measures. RES has contacted the Electric Power and Research Institute (EPRI) and through coordination with Ashley Lindeman (EPRI) and Steve Hutchins (NEI), successfully collected useful long-term compensatory measure data. This correspondence can be found in the NRC Agencywide Documents Access and Management System (ADAMS) under accession number ML15055A148.

The staff intends to continue the review of internal information from inspection reports, and will continue to use the Memorandum of Understanding (MOU) with EPRI to continue to collect information from industry. The next update of this report is planned in one year.

Enclosure:
As stated

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