

April 18, 2014

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

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

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

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 2012, 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 downwards trend for the fire events reported via 10 CFR 50.72/73 between 1985 and 2012. 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 added this task to the current Memorandum of Understanding (MOU) with EPRI. Data collection for long term compensatory measures is currently a topic of discussion with EPRI.

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

CONTACTS: Nicholas Melly, RES/DRA
301-251-7916

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Enclosure:
As stated

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AKlein, NRR	MSalley, RES	MStutzke, RES	NMelly, RES
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OFFICE	RES/DRA/FRB	RES/DRA	BC: RES/DRA/FRB	D: RES/DRA
NAME	N.Melly	M.Stutzke	M.Salley	R.Correia
DATE	4/10/14	4/17/4	4/16/14	4/18/14

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