



UNITED STATES
NUCLEAR REGULATORY COMMISSION

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February 11, 1997

MEMORANDUM TO: Charles E. Rossi, Director
Safety Programs Division
Office for Analysis and Evaluation
of Operational Data

FROM: Patrick W. Baranowsky, Chief *PWB*
Reliability and Risk Assessment Branch
Safety Programs Division
Office for Analysis and Evaluation
of Operational Data

SUBJECT: SUMMARY OF MEETING WITH NUCLEAR ENERGY INSTITUTE (NEI),
INSTITUTE OF NUCLEAR POWER OPERATIONS (INPO), AND INDUSTRY
REPRESENTATIVES

The Nuclear Regulatory Commission (NRC) staff met with NEI, INPO, and industry representatives at NRC Headquarters on January 30, 1997 to discuss NRC's evaluation of sample data from INPO's Safety System Performance Indicator (SSPI) System. Attached are the list of meeting attendees and meeting handouts.

The industry has proposed that SSPI data be provided to NRC as a voluntary approach in lieu of NRC's proposed reliability data rule. SSPI data would be used with data from other sources such as NPRDS and LERs to support PRA applications and risk-informed regulatory applications. At the meeting, NRC staff presented the basic data requirements for PRAs, their findings from the evaluation, problems in using SSPI information to obtain these data, and potential resolutions. The two major issues concern 1) using the data to determine component failures and demands to estimate demand unreliability and 2) obtaining run times for computing the operating failure rate for equipment with long mission times. The NRC staff and its consultants were unable to make credible equipment reliability estimates from the SSPI data without substantial additional information and clarification from licensees. Additional issues relate to not reporting unavailability for installed spares and redundant trains, reporting return to service test demands, consistency in failure reporting, the need for good failure descriptions, and the limited number of systems covered in the current scope of SSPI. Mr. Pietrangelo of NEI indicated that industry understood the problems and he believed that the problems could be fixed. INPO also briefed NRC on the status of the Equipment Performance and Information Exchange (EPIX) System, the replacement for NPRDS. At the meeting it was also discussed whether EPIX might provide the component failure and demand data for computing demand unreliability.

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NRC and industry agreed to a working level meeting in February to clarify data issues that may have resulted from a misunderstanding or improper implementation of SSPI guidance. NEI and INPO will consider approaches to correct current limitations in SSPI data that could make it more suitable for performing reliability and risk analysis. They plan to present their proposals by early March. A recommendation from the NRC staff to the Commission is due in April.

If you have any questions, please contact Bennett Brady at 415-6363.

Attachment: As stated

cc: Meeting Participants
Reliability Reporting Rule Group

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January 30, 1997 NRC/Industry Meeting
on Evaluation of SSPI Data

NAME	ORGANIZATION
Biff Bradley	NEI
Tony Pietrangelo	NEI
Bill Brown	INPO
Thomas McHenry	INPO
Bob Christie	Performance Tech
Doug True	ERIN
Greg Krueger	Peco Energy
Jerry Andre	Westinghouse
Mark Averett	Florida Power Corp
William A. Cross	STS
Alan Hakerott	OPPD
Ray Schancider	ABB/CE
Kathleen Hart	McGraw-Hill
Altheia Wyche	Search Licensing/Bechtel
Carl Snyder	NUS/LIS
Joseph Fragola	SAIC
Ernest Lofgren	SAIC
Bill Galyean	INEL
David Goldin	SC&A, Inc.
Dennis Allison	NRC/AEOD
Patrick Baranowsky	NRC/AEOD
Tom Bergman	NRC/NRR
Bennett Brady	NRC/AEOD
Art Buslick	NRC/RES
Peggy Cross-Prather	NRC/AEOD
John Flack	NRC/NRR
Erasmia Lois	NRC/RES
Steve Long	NRC/NRR
Don Marksberry	NRC/AEOD
Steve Mays	NRC/AEOD
Gareth Parry	NRC/NRR
David Skeen	NRC/NRR
Jit Vora	NRC/RES