

April 15, 1994

MEMORANDUM FOR: Gary M. Holahan, Director
Division of Safety Systems
Office for Analysis and Evaluation
of Operational Data

FROM: Patrick W. Baranowsky, Chief
Trends and Patterns Analysis Branch
Division of Safety Systems
Office for Analysis and Evaluation
of Operational Data

SUBJECT: SUMMARY OF MARCH 30, 1994, MEETING WITH INPO REGARDING
EQUIPMENT RELIABILITY AND AVAILABILITY DATA

On March 30, 1994, members of the Nuclear Regulatory Commission (NRC) staff met with representatives of the Institute of Nuclear Power Operations (INPO) at the INPO offices in Atlanta, Georgia. The purpose of the meeting was to discuss the INPO Safety System Performance Indicator (SSPI) and NRC and industry needs for equipment reliability and availability data. Each NRC office that uses nuclear plant equipment performance data was represented at the meeting. Enclosure 1 contains the meeting agenda. A list of attendees is contained in Enclosure 2.

Summary of Discussion

Bill Brown, INPO, described the INPO SSPI. His presentation covered the following: the purpose of the indicator, the bases for selecting the safety systems monitored, the systems monitored (PWRs - high pressure safety injection system, auxiliary feedwater system, emergency ac power system; BWRs - high pressure injection systems, residual heat removal system, emergency ac power system), the definitions employed in implementing the indicator, how the indicator is calculated, and the specific data elements collected.

Pat Baranowsky, NRC, described the NRC's reliability and availability data needs and the bases for these needs. His presentation covered the specific types of reliability and unavailability data needed by the NRC, why the NRC needs the data, and how the industry might benefit within a risk-based regulatory framework from the NRC having the data. Bill Webster, INPO, identified a number of additional areas of concern about the perceived industry benefit from sharing this type of data with each other and with the NRC, which were then discussed in detail.

Bill Webster, INPO, described future plans being considered by INPO regarding expansion of the SSPI to include more systems.

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Ed Jordan, NRC, discussed future plans regarding reevaluation of the NRC's event reporting requirements specified in 10 CFR 50.72 and 50.73.

The NRC staff will review the INPO SSPI data collection form and identify additional data elements needed by NRC. Further discussions are planned.

/s/
Patrick W. Baranowsky, Chief
Trends and Patterns Analysis Branch
Division of Safety Programs
Office for Analysis and Evaluation
of Operational Data

Enclosures:
As stated

Distribution:

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cc: E. Jordan, AEOD
D. Ross, AEOD
J. Murphy, RES
J. Johnson, NRR
W. Kindley, INPO
D. Gillispie, INPO
W. Webster, INPO

TPAB *PO*
PO'Reilly
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C: TPAB *PWB*
PBaranowsky
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ENCLOSURE 1

AGENDA

Reliability and Availability Data Needs Meeting
March 30, 1994 / 8:30am - 4:00pm / Conference Room 951A

- | | | |
|------------|---|----------------------|
| 8:30 a.m. | Welcome and Introductions | All |
| 8:45 a.m. | Safety System Performance Indicators | Bill Webster (INPO) |
| | - Detailed Description of the Indicator | |
| | - Data input, methods, computation | |
| 10:00 a.m. | Description of NRC reliability data needs and basis | Pat Baranowsky (NRC) |
| | - Reliability and availability data elements | |
| | - Need and basis of modified or additional data elements | |
| | - Scope of systems and basis | |
| 11:30 a.m. | Discussion of current sources of reliability and availability data other than SSPI | Bruce Logan (INPO) |
| 12:00 noon | Lunch | |
| 12:45 p.m. | Industry benefits of enhanced reliability data | NRC |
| | - Comments on table provided in January 7th letter | |
| | - Reduction in 10 CFR 50.72/73 reporting requirements | |
| 2:30 p.m. | Break | |
| 3:00 p.m. | Strategic Plan for Developing Enhanced Reliability Data and Sharing Data with the NRC | INPO/NRC |
| | - Action plan for developing and modifying SSPI (milestones and activities) | |
| | - Plan for sharing data with NRC, including modifying MOU | |
| | - Action Items, future interaction | |
| 4:00 p.m. | Adjourn | |

ENCLOSURE 2

ATTENDANCE LIST

MARCH 30, 1994 MEETING WITH INPO

REGARDING RELIABILITY AND AVAILABILITY DATA NEEDS

Institute of Nuclear Power Operations

Bill Brown
Hank Drumkiller
Don Gillispie
Bill Kindley
Bruce Logan
Tom McHenry
Ed Resnick
Gary Schweitzer
Bill Webster

U.S. Nuclear Regulatory Commission

Ed Jordan, AEOD
Joe Murphy, RES
Pat Baranowsky, AEOD
Jim Johnson, NRR
Pat O'Reilly, AEOD