

October 28, 2014

MEMORANDUM TO: Sunil Weerakkody, Chief
PRA Operations and Human Factors Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

FROM: Douglas Copeland, Reliability and Risk Analyst */RA/*
PRA Operations and Human Factors Branch
Division of Risk Assessment
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF OCTOBER 16, 2014 PUBLIC MEETING TO
CONTINUE DISCUSSIONS BETWEEN THE NRC AND INDUSTRY
TREATMENT OF UNCERTAINTY IN DECISION MAKING
WORKING GROUP

On October 16, 2014, the U.S. Nuclear Regulatory Commission (NRC) staff held a three-hour Category 2 public meeting with the Industry Treatment of Uncertainty in Decision Making Working Group. The purpose of this meeting was to continue discussions between the NRC staff and Industry on the Treatment of Uncertainty in Decision Making Working Group activities.

The meeting began with a presentation to discuss insights from Objective 1, the goals of Objective 2, an overview of the meeting, and a discussion on potential products of the working group (available at Agencywide Documents Access and Management System (ADAMS) Accession Number ML14290A205). Fernando Ferrante of the Office of Nuclear Reactor Regulations (NRR), Division of Risk Assessment (DRA) led the presentation while several NRC staff and industry provided additional input and feedback.

Fernando Ferrante and Stephen Vaughn of NRR presented guidance for the treatment of uncertainty in risk-informed oversight activities (ADAMS Accession Number ML14290A192). Relevant guidance from inspection manual chapters, the Risk Assessment of Operational Events handbook, and a few brief insights from Significant Determination Process activities were discussed.

Donnie Harrison of the Office of New Reactor (NRO) presented on the topic of treatment of uncertainty in licensing activities (ADAMS Accession Number ML14290A189). He shared insights from Regulatory Guide 1.174 as well as specific examples in licensing where uncertainty issues were discussed.

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Mary Drouin of the Office of Research (RES) presented on the guidance and status of NUREG-1855, "Guidance on the Treatment of Uncertainties Associated with PRAs in Risk-Informed Decision-Making," (ADAMS Accession Number ML14290A197). She discussed the intent of the NUREG-1855, its relationship to Electric Power Research Institute (EPRI) documents, and the seven stages of the guidance in NUREG-1855 in more detail. The staff and industry discussed opportunities to review the current new draft revision NUREG-1855 at future meetings.

Doug True of ERIN Engineering and Research presented on EPRI products related to the use of PRA in risk-informed submittals with a focus on the treatment of uncertainties (ADAMS Accession Number ML14290A195). He provided a historical overview of industry work completed to address uncertainties in PRA and discussed on-going work related to risk aggregation for risk-informed decision-making.

The meeting ended with a discussion between NRC staff and Industry on future working group meetings, products, and committed to conduct a workshop to continue efforts toward achieving the objectives of the action plan.

The meeting was attended by 13 individuals, primarily representing industry, non-governmental organizations, and NRC staff. No feedback forms were received after the meeting.

The meeting notice is available in ADAMS Accession Number ML14273A298.

Enclosure:
List of Attendees

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