

November 23, 2004

MEMORANDUM TO: Farouk Eltawila, Director  
Division of Systems Analysis  
and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

FROM: Eric J. Leeds, Director **/RA/**  
Division of Preparedness and Response  
Office of Nuclear Security and Incident Response

SUBJECT: EMERGENCY PREPAREDNESS DIRECTORATE  
USER NEED

The Emergency Preparedness Directorate (EPD) developed a scope of work ( Accession # ML041810404) which has been awarded to Sandia National Laboratory (SNL). The project is a review of the NRC Emergency Preparedness (EP) public protective action guidance (PAGs) for serious emergencies at nuclear power plants (NPPs) which will evaluate enhanced sheltering and innovative PAG schemes for dose savings. The ability of offsite response organizations to implement any new schemes is a key element of the evaluation. Should the study find that changes to the existing PAGs are beneficial, EPD will write a Commission paper to propose changes to NUREG-0654, Supplement 3 "Criteria for Protective Action Recommendations for Severe Accidents."

EPD is responsible for the management and technical oversight of this project, but would like to request that the Office of Nuclear Regulatory Research (RES) assist EPD by providing peer review and technical staff insights into dose projection techniques. My staff has discussed this proposal with C. Tinkler and J. Schaparow of your staff who are technically cognizant of these issues. EPD requests the following support:

- Review the statement of work (SOW) for familiarity and consistency with the project goals. While the SOW is already awarded, there is room for changes if better methods are identified.
- As the SOW shows, there are multiple letter reports scheduled as documentation of work performed. The RES reviewers are requested to review and provide comment on these products directly to Randy Sullivan of my staff.
- SNL personnel visit NRC staff for regular meetings on study progress. The support of RES at those meetings would be beneficial when the topics include technical issues.

CONTACT: Randolph L. Sullivan, NSIR/EPD  
415-1123

- Efforts are underway to develop a base case for comparative dose savings studies. The views of the RES reviewers on this effort would be helpful and should be provided directly to Randy Sullivan of my staff.

It is envisioned that the total time spent by RES personnel on this project would not exceed a person-month over the 2 year course of the study.

Thank you for your support.

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It is envisioned that the total time spent by RES personnel on this project would not exceed a person-month over the 2 year course of the study.

Thank you for your support.

**DISTRIBUTION**

EPD Reading File

E. Leeds,  
N. Mamish  
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T. Blount,  
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**ADAMS ACCESSION NUMBER: ML043080255**

\*See previous concurrence

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