



1. (draft) Reliability Requirements for a High Level Waste Package - a discussion of minimum acceptable reliability.
2. Memo to file from C. Pescatore, "Evaporation of Groundwater from Horizontal Emplacement Holes in a Nuclear Waste Repository During Pre-Closure Operation."

Summary of Conclusions, Commitments and Agreements

The DSTP was reviewed and the following comments were made about the DSTP and the changes necessary to resolve these comments:

1. In Table 1, reference should be made to analytical models that are available for degradation mode analysis. This will serve to define the role of the acceleration parameters in the performance of the waste package components as suggested by the table.

The sample problem should consider at least two key degradation modes for each waste package component. This is to illustrate how reliability analysis is done where more than one component degradation mode is involved.

2. The DSTP should be revised to reflect the latin hypercube sampling techniques specified in NUREG/CR-2350, SAND 81-1978, Sensitivity Analysis Techniques: Self-Teaching Curriculum.

3. The objective of the DSTP should be to include distribution functions for parameters as far as possible within the time available and specifically those used in the sample problem.

The DSTP shall include guidance for development of distribution functions for use in the latin hypercube sampling technique.

4. Although the sample problem will not include an estimate of the reliability of the method itself, the DSTP should require that the applicant state the reliability of his methodology and individual processes modeled within that methodology.
5. This summary of conclusions, commitments and agreements has added some points but has not revised agreements reached in the October 26, 1982 meeting.
6. Additional detailed comments will be forwarded by letter.

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7. This summary of commitments, conclusions and agreements was read and agreed to by E. A. Wick and C. Sastre.



E. A. Wick