

Due-Dates for Deliverables of A1165

Subtasks 1.1, 1.2, and letter reports of 4.4 combined to form a new Subtask 1.1

Products: Letter reports on licensing assessment methodology A
Review of waste-package and engineered-barriers work A
Identification of modeling efforts needed to support a license application FY-88-90
Identification of processes for which verified models will not exist at time of license application
Recommended approaches for evaluating the assumptions, data representativeness, and appropriateness of model application for models used by DOE
Review of the division of H:W management's modeling strategy document

Subtask 3.1

Products: Probability Techniques Report-Literature Review Draft 08/31/87
Final 09/30/87
Probability Techniques Report-Recommended Techniques Draft 09/30/88

Subtask 4.1

Product: Recommendations for technical implementation of EPA standard Draft 06/30/88

Subtask 4.2

Product: Preliminary identification and evaluation of main sources of uncertainty; techniques to quantify and reduce uncertainty [This report assumed to be a finalized version of scoping document on uncertainty to be printed as NUREG report-otherwise a later due date is required] Final 12/21/87

Subtask 4.3

Product: Identification of areas where expert opinion is needed or recommended in dealing with uncertainty Draft 07/31/88

Subtask 4.4

Products: Description of methodologies for analyzing model uncertainty (items 1, 2, and 3 in SOW) Draft 09/30/88

Develop regulatory criteria for model validation Draft 09/30/88

Subtask 4.5

Products: Methodology for scenario identification and screening Final 03/31/88

Guidelines for expert judgement in scenario identification and screening Draft FY88

Analysis of time dependence in scenario analysis Draft 06/30/89

Subtask 4.6

Product: Methods for analyzing data and parameter uncertainty for non-stochastic computer models, the advantages and disadvantages of these methods, and recommended uses of these methods Draft 12/31/88

Procedures to obtain from site characterization data the information needed by these methodologies Final FY90

Use of expert opinion to estimate information needed to implement these methodologies Final FY90

A - As requested by NMSS PM

Note: All of the products dealing with expert opinion could possibly be combined into a single document. A tentative due date of a draft would be 9/30/88

Activities Planned For A1165, September Through November 1987
(time spent reviewing SCPs will affect portions of this schedule)

Subtask 1.1

Reviews of the waste-package and engineered-barriers work depends on receipt of the documents from the NRC. Continued work on the integration project will be at the direction of the NRC.

Task 2

Work on this task is at the request of the NRC. No activity is planned at this time.

Subtask 3.1

1. The final version of the probability techniques report that deals with a literature review will be completed in September.
2. A contract is expected to be placed with Robert Wright (private consultant) to review the subjective probability techniques used by the U.S. Geological Survey to estimate oil and gas reserves and by the DOE to estimate uranium reserves. Much of the work on this contract should be completed by the end of November. This work will be used in the probability techniques report that recommends specific techniques.
3. For the recommendations volume, the events and processes for which probabilities are needed will be identified, the personnel needed for this volume will be determined, and the analysis of which particular techniques are suitable for which topics will begin.

Subtask 4.2

Work will be initiated on this subtask. If the product is a formalized version of the uncertainty scoping document for printing as a NUREG report, all of the work except management review and sign off should be completed by the end of November.

Subtask 4.3

Work on identifying areas where expert opinion is needed in dealing with uncertainty will be started.

Subtask 4.4

Work in the area of model uncertainty will be initiated.

Subtask 4.5

Revisions to a report describing a methodology for the identification and screening of scenarios will be completed in September or early October.

Subtask 4.3

Product: Identification of areas where expert opinion is needed or recommended in dealing with uncertainty Draft 07/31/88

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Subtask 4.6

In September, work will begin on a report that identifies the techniques that can be used to analyze data and parameter uncertainty for nonstochastic codes, describes how the techniques operate, and describes their application. A draft of this report should be completed by the end of December.