

F A C S I M I L E T R A N S M I S S I O N

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A1165

PDR-1

Wm-10 (2)
Wm-11 (2)
Wm-16 (2)

RECOMMENDED CHANGES TO SOW FOR A1165 WM DOCKET CONTROL CENTER

Subtask 2.1.1 The first sentence mentions the review of the waste-package and engineered-barriers assessment methodologies. For the waste package work, Sandia has already reviewed the methodology. No work currently is being funded, so what do you have in mind? For the engineered-barriers work, Golder Associates was working on this project, but they stopped. Is work being done in this area?

Under items (1) and (2), the term risk assessment methodology should be changed to performance-assessment methodology. This term was recommended by the NRC in order to get away from using risk.

Under item (2), same problem with the waste-package and engineered-barrier methodologies as in the comment on the first sentence.

Suggested wording change for the first sentence of the last part of 2.1.1: "The results of these reviews should be reported in a series of letter reports as required by the NMSS PM and should address the three elements described above." Additional information is needed, because the waste-package work has already been reviewed and no work is being done on engineered barriers.

Subtask 2.1.2 In the last sentence, the wording "...in a letter report," should be changed to "...in a series of letter reports,...".

Task 2 Objectives (2.2.0) In the second sentence, the following wording change is recommended: "shall be shown to be useful" changed to "will be evaluated as to their usefulness".

Subtask 2.2.1 In the second line, what does the NRC mean by the term "scale-up model"?

For the second sentence, the following rewording is recommended: "Reports, models, codes, and assessment techniques from these programs shall be reviewed at the direction of the NMSS PM with recommendations from the performing organization."

Subtask 2.2.2 The wording of the first part of the second sentence should be changed to: "The NMSS PM with recommendations from the performing organization shall prepare a schedule...".

Subtask 2.2.4 The second part of the first sentence should be changed to "and by subcontractors to the performing organization who are approved by the NMSS PM."

Subtask 2.2.6 In sentence 3, delete the word investigative.

At the end of the last sentence, "unless the reviewer has unique insights into the topic(s) covered." should be added.

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WM Project: WM-10,11,16
PDR yes
(Return to WM, 623-SS)

WM Record File: A1165
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Subtask 2.3.1 This paragraph should be reworded to: "The performing organization shall submit a formal report that consists of a literature review in which the quantitative techniques for assigning probabilities of occurrence to potentially disruptive events and processes are identified and evaluated. If more than one technique exists for an event or process, all should be considered. The evaluation should include an assessment of the strengths and weaknesses of each technique. If reviews of specific techniques have been published, these should be referenced and summarized. In addition, the sources of uncertainties associated with these processes and events will be identified."

Subtask 2.3.2 This paragraph should be reworded to: "The performing organization shall develop a second report that provides recommendations as to which probabilistic methodologies are applicable to specific events and processes under particular sets of conditions. If no technique for determining probability of occurrence for a particular event or process has been identified, the performing organization will attempt to develop a technique. If the performing organization maintains that the probability of occurrence for a particular event cannot be quantified, the performing organization shall recommend how to consider the event in addressing the requirements of the EPA standard."

Subtask 2.4.4 Under the line "Letter reports shall be delivered addressing the following subjects:", how are items 1, 3, and 4 related to modeling uncertainty? Should these items be under the uncertainty task?

Subtask 2.4.7 This subtask is the same as Subtask 2.2.9.

Subtask 2.5.3 In the first line, delete the work use.

2.6 Task 6 Bottom of the paragraph. In the 189, a cost limit of six man-months of effort per year is imposed. Should a cost limit be specified here?