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PROJECT WM-10

MEMORANDUM FOR: Philip S. Justus, Section Leader  
Siting Section  
High-Level Waste Technical  
Development Branch  
Division of Waste Management

FROM: Mark J. Logsdon  
High-Level Waste Technical  
Development Branch  
Division of Waste Management

SUBJECT: HYDROGEOLOGY MEETING WITH TECHNICAL ASSISTANCE  
CONTRACTORS, NOVEMBER 17, 1982

Attached are the meeting notes for the meeting of November 17, 1982 between the NRC's BWIP hydrogeology review team and our technical assistance contractors, Golder Associates and Williams and Associates. The meeting was called to distribute copies of the SCR, revised site issue analyses, and revised Chapter 4 mock-up, exchange comments on draft appendices, and present detailed instructions on the review of the SCR and on the preparation of final draft products under the terms of the technical assistance contracts. Included in the meeting notes as point #5 is a list of commitments by the contractors on products to be delivered to the NRC by November 29, 1982. Roy Williams of Williams and Associates and Jerry Rowe of Golder Associates initialed the original copy of the meeting notes, which will be kept in my files.

ORIGINAL SIGNATURE

Mark J. Logsdon  
High-Level Waste Technical  
Development Branch  
Division of Waste Management

Attachment:  
As stated

OFC :	WMHT	:	WMHT	:	WMHT	:	WMHT	:	WMHT	:	
NAME :	MLogsdon:dm	:	PSJustus	:	HJMiller	:	T.R. VERMA	:		:	
DATE :	11/11/82	:	11/ /82	:	11/ /82	:	11/22/82	:		:	

MEETING NOTES

Meeting: NRC - Golder Associates - Williams & Associates: Hydrogeology

Date: November 16, 1982

Time: 1:00 p.m. - 3:15 p.m.

Place: 7915 Eastern Ave.  
Silver Spring, MD 20910

Present: R. Williams - Williams & Associates  
J. Rowe - Golder Associates  
T. Verma - NRC, Chairman  
M. Gordon - NRC  
R. Johnson - NRC  
M. Logsdon - NRC, secretary

1. Both contractors should send a letter to T. Verma acknowledging receipt of SCR, SIA's, Chapter mock-up, letter of Witherspoon to Colin Heath.
2. M. Logsdon is coordinating NRC comments to contractors on draft appendices.
3. At meeting of November 29, we will finalize SIA's draft chapter together with contractors. Bring appendices in "Final Draft" form.
4. Review of SCR: Chapter 5 -  
                                    compare values used in 12 to those  
                                    in 5; look at methods  
Chapter 12 -  
Chapter 13 - concentrate on hydrogeology plans  
Chapter 16 - concentrate on hydrogeology issues  
Concentrate on those Chapters.  
If extra time, review Chapter 3 and 7 and pull into Appendices, etc. Don't hold back on responses. Evaluate plans in terms of state-of-the-art. Bring in appropriate references.
5. Products for 11/29/82: Commitments
  - a. Write Appendices in "Final Draft" form. (see #13)

- Compare to SCR
- Make certain appendices are consistent with data of SCR or express limitations.
- b. Write draft SCR Chapter 4 (groundwater) - limit to 6 pages.
- c. Write SIA's based on draft set issued today
  - Changes in points 5,6.
  - New points 7,8.
  - Mark-up draft set for minor changes; prepare new copy for major rewriting.
- d. If you have items (e.g., Kv) which you feel should be included in Director's Opinion, submit a separate letter or list.
- e. Bring 10 copies of each appendix;  
Bring 10 copies of Chapter 4;  
Bring 3 copies of SIA's;
- f. Unpublished references must be made available.
- g. Graphics per NRC format; we need originals.

Roy Williams

Jerry Rowe

Mark Logsdon

6. Meeting of November 29, 1982.
  - a. Willste Building at 9:00 a.m.
  - b. meeting place to be determined.
7. References - NRC must make available.
  - a. If commonly available, citation only.
  - b. Theses, reports etc. must be made available to NRC.
  - c. But, NRC can use personal communications in the SCA.
8. Citations - document statements to fullest extent possible, as per a professional paper.
9. SIA's - point 5 (percent Stage of Knowledge) and point 7 (plans) are the place to do a critique review. Be specific - cite literature, including SCR, and point out conflicts, etc.

10. Teek: General introduction to SCR.
11. Units: SI (English).
12. SIA's can be expanded beyond 2 pages by using attachments (keep 2 page summary).
13. T. Verma: Quality of appendices is paramount. Use time between now and 11/29 to concentrate on rewriting. If it is necessary, bring appendices in handwritten final form, but make them good.