



Westinghouse  
Hittman Nuclear  
Incorporated

A Westinghouse  
Subsidiary

9151 Rumsey Road  
Columbia, Maryland 21045  
(301) 964- 5036

REFER TO: WHNI-E-889

July 23, 1986

Mr. James Lions (MS-416)  
Chief of Technical and Operations  
Support Branch  
U.S. Nuclear Regulatory Commission  
7920 Norfolk Avenue  
Bethesda, Maryland 20814

Attention: Document Control Desk

Subject: Review of Westinghouse Hittman Topical Report (STD-R-05-011P)

Dear Mr. Lions:

Please find enclosed five proprietary and five non-proprietary copies of revision one of the subject Topical Report. Revision one incorporates the changes required to address the review comments from Mr. P. Randolph of EG&G. His comments are attached in his letter PDR-03-86 dated June 23, 1986, which was addressed to you. As an aid to your review process, attached to this letter is a summary of the revision one changes.

Based upon our meeting with Mr. Randolph on July 9, 1986, all of his comments have been satisfactorily resolved. In our telephone conversation today, Mr. Randolph indicated that he had completed a draft of the Technical Evaluation Report and that you should be in receipt of it this week.

I'm confident that the information transmitted to you from both Westinghouse Hittman and EG&G fully meets the NRC's requirements for this type of Topical Report. I would therefore request an expeditious issuance of a Safety Evaluation Report by your office.

Sincerely,

R. J. Leduc  
Director of Engineering

RJL/ksj

cc: P. D. Randolph - EG&G Idaho, Inc.  
M. Beaumont - Westinghouse - Bethesda Licensing Office  
C. Willis - U.S. Nuclear Regulatory Commission

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REVISION TO THE TOPICAL REPORT  
STD-R-05-011P, IN RESPONSE TO REVIEW COMMENTS BY EG&G

GENERAL COMMENTS

- 1) Revisions or additions discussing process parameters in section 2.2, pg 12; 2.3.2 and 2.3.3, pg 14; 2.4.2 and 2.4.3, pg 17; Figures 2-5 and 2-6.
- 2) R&D test results added to section 2.3.4, pg 15 and 2.4.4, pg 18.
- 3) Liquid waste types inserted in section 2.2, pg 12 and Appendix 1.
- 4) Acceptance criteria for liner solidifications are given in the Process Control Program (PCP), Appendix 3.
- 5) System procedures and administrative methods for changing procedures are outlined in section 6.8, pg 76.
- 6) Omitted all references to the drum solidification system.
- 7) Monitoring instruments mentioned in section 2.3.1(d), pg 13; calibration explained in the PCP, Appendix 3.
- 8) Encapsulation of filters explained in section 2.3.5, pg 16.

SPECIFIC COMMENTS

- 1) Dewatering test results discussed in section 2.4.4, pgs 17-18.
- 2) In section 2.4.1, pg 16, wording changed from "shipping container" to "liner or high integrity container".
- 3) ASTM A182 specified in section 5.3, pg 72.
- 4) Approval for casks explained in section 3.7.1, pg 37; clarification of R/hr figures also given on pg 37.
- 6) Term "underdrain" clarified in sections 4.1.1, pg 51 and 4.1.2, pg 52.
- 7) Decanting explained in section 2.4.4, pg 19.
- 8) Water addition qualified by statement in section 4.1.3, pg 53.
- 9) Thirty minute mix discussed in section 4.1.3(c), pg 53.

- 10) Changes in waste composition addressed in section 4.3.1, pg 57.
- 11) Exhaust of vacuum pump discussed in section 4.2.1, pg 54.
- 12) Dewatering procedure included in Appendix 2.
- 13) ALARA discussion extended in section 4.4, pgs 60-62.
- 14) Discussion of radiation monitors of system in section 4.4, pg 60.
- 15) Equipment layout shown in Figure 2-4, pg 23.
- 16) Pressure check of hoses discussed in sections 3.1, pg 26 and 3.5.2, pg 34.
- 17) Control of special processes explained in section 6.7, pg 76.
- 18) Responsibility for labeling, manifest preparation, etc., explained in the PCP, Appendix 3.
- 19) Proper document referenced in footnote (a), table 8-1, pg 90.
- 20) Other wastes for which test solidification procedures exist discussed in Appendix 1.
- 21) Actions taken when problems are encountered with full scale solidification are explained in the PCP, Appendix 3.
- 22) Administrative control of procedures, operator training, etc., are discussed in sections 6.8, pg 76 and 6.9, pgs 76-77.