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DEC 11 1972

MMAigret

Docket No. 50-331

Roger S. Boyd, Assistant Director for Boiling Water Reactors, L
 THRU: Walter Butler, Chief, Boiling Water Reactors Branch 1, L

SUMMARY OF MEETING ON STUDY OF MAIN STEAMLINE ISOLATION VALVE (MSLIV) LEAKAGE

On December 7, 1972, representatives of Technical Review and Reactor Projects met to discuss the scope and plans for our review of the General Electric Company's prepared study on leakage of steam through the MSLIV's during the post-LOCA period of a BWR facility. The study was prepared for response to Question 5.8 as presented to the Iowa Electric Light & Power Company (IELP) during our review of the OL application for the Duane Arnold Energy Center (DAEC). A copy of the study, informally submitted on November 21, 1972, was used as a basis of discussion.

A summary of the meeting results is enclosed. The most significant of these results is a need for immediate regulatory management attention to the allocation of TR manpower resources to provide for a review, prior to December 20, 1972, of the DAEC study. This problem is discussed in paragraph 4 of the enclosure.

George E. Lear, Project Manager
 Boiling Water Reactors Branch 1
 Directorate of Licensing

Enclosure: Meeting Summary

cc: D. Skovholt
 D. Knuth
 R. Maccary
 R. Tedesco
 H. Denton
 BWR Br. Chiefs
 W. Haass
 M. Rosen
 RO (3)
 A. Giambusso J. Hendrie

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SURNAME ▶	<i>Glear</i> Glear:ma	WButler <i>WB</i>				<i>memo</i>
DATE ▶	12/11/72	12/11/72				

DOCKET NO: 50-331

DATE: DEC 11 1972

APPLICANT: Iowa Electric Light and Power Company

FACILITY: Duane Arnold Energy Center

SUMMARY OF MEETING HELD CONCERNING

"MAIN STEAMLINE VALVE LEAK STUDY"

On December 7, 1972, representatives of Technical Review and Reactor Projects met to discuss the General Electric Company's study on leakage of fission products through the MSLIV's of the BWR during the post-LOCA period. Iowa Electric provided draft copies of the study which responds to our Question 5.8. Comments, conclusions, and recommendations resulting from the staff's meeting are summarized in the following paragraphs. A list of the attendees is enclosed.

1. Topical Report: The applicant (IELP) indicated that General Electric Company will submit a topical report on this subject, using the draft DAEC study as the basis for their report.
2. Amendment: The applicant wishes to submit the study in a formal amendment to his OL application within 10 days to two weeks. The applicant indicated that appropriate changes in the study, to accommodate our recommendations, will be made prior to formal submittal if such guidance is forthcoming soon.
3. TR Branches: The TR branches involved in the review are believed to be Reactor Systems, Containment Systems, and Accident Analysis, with the latter acting in a lead capacity for review and consolidation of input to RP from TR.
4. TR Resources: The DAEC study must, if at all possible, be reviewed and resolved as an integral part of the review of the IELP application for annOL. In this regard, the Safety Evaluation Report input from TR is due to the L-PM no later than 1-1-73; hence scheduling of TR review effort must receive close attention if the current milestones (Level C Networks) are to be met. Mr. Grimes indicated that the Accident Analysis Branch would endeavor to complete its work prior

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to December 25, 1972. Mr. Glynn (Containment Systems Branch) and Mr. Minners (Reactor Systems Branch) both indicated that it would be impossible to meet this review target date in view of previous review commitments. Availability of TR personnel must be considered within TR management for early resolution of this scheduler problem. If TR personnel is not available for completing our review of this matter prior to January 1, 1973, we would suggest considering this as a generic problem, which resolution when developed will be applied on the DAEC case.

5. Advice to IELP: The Project Manager (George Lear) will advise the applicant that our current review plans include:
 - a. Calculation of doses resulting from the availability, at $t=0$, of 25% of the core halogens as an airborne mixture, homogeneously distributed.
 - b. Determination of and allowance for the dose reduction credit for the time for movement of fission products from their release at the MSL juncture with the turbine stop valve to the control room ventilation air intake located on the NW corner of the control building.
 - c. Control room personnel dose calculation using a filter efficiency of 90% (not 99%) and conservative x/q values pertinent to this release.
 - d. LPZ dose calculations using meteorology selected to establish two cases: (1) Standard Safety Guide #3 meteorology and (2) a "reversed" standard meteorology obtained by using the 0-8 hrs x/q values for the 8-24 hrs period and the 8-24 hrs x/q values for the 0-8 hrs period.
6. Review Assignments: It appeared to be generally acceptable to all participants that responsibility for functional review of the study would conform to the suggestions contained in Technical Assistance Request dated November 17, 1972 (this TAR was not accepted as such -- see F. Schroeder's memo dated Nov. 28, 1972). C. Long, Chief, Auxiliary Systems Branch, had indicated prior to the meeting that his branch was not involved in the review because additional "hardware", i.e. a seal system, was not proposed as a solution to the leakage problem.

Original signed by
 George E. Lear
 George E. Lear, Project Manager
 Boiling Water Reactors Branch 1
 Directorate of Licensing

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SURNAME ▶	<i>G. Lear</i> GLear:ma	<i>W. Butler</i> WButler				
DATE ▶	12/11/72	12/11/72				

ATTENDANCE LIST

Meeting on MSLIV Leakage Study

Iowa Electric Light & Power Company (IELP)

December 7, 1972

Reactor Projects

George Lear, BWR-1

Robert Baer, BWR-1

Dave Lynch, BWR-1

Technical Review

Brian Grimes, AA

Eleanor Adensam, AA

Ken Murphy, AA

Jim Glynn, CS

Warren Minners, RS

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