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OCT 11 1985

MEMORANDUM FOR: Victor Benaroya, Chief  
Chemical Engineering Branch, DE

FROM: Frank J. Witt  
Chemical Technology Section  
Chemical Engineering Branch  
Division of Engineering

SUBJECT: MEETING WITH BWR OWNER'S GROUP FOR IGSCC RESEARCH

Introduction

We met with the BWR Owner's Group on IGSCC Research, Hydrogen Installation Subcommittee, on October 9, 1985 in Bethesda, Maryland. The subcommittee briefed us on the design, construction and operational guidelines for permanent hydrogen injection systems.

The attendees of the meeting are listed in Enclosure I.

A draft of Guidelines for Permanent BWR Hydrogen Water Chemistry Installations, Revision C is attached as Enclosure II.

The Group briefly reviewed the scope of the guidelines for the currently available on-site hydrogen and oxygen gas supply options (i.e., compressed gas, cryogenic liquid, and electrolytic generation). Included in this scope were the hydrogen injection system requirements for operation, maintenance, surveillance, and testing to provide for a safe system and safe plant operation. The draft document does not cover the section on safety considerations for a gaseous hydrogen facility. Tests will be conducted soon to validate a new model on near field buoyancy effects for gaseous hydrogen releases. This section should be completed by the end of November 1985. A licensee by complying with these requirements will ensure having an approved system.

Conclusion

We informed the Owner's Group that under the present circumstances, a review would not be performed on the draft document. However, the Owner's Group could get in touch with NRC top management to establish priority on the review of this document.

Frank J. Witt  
Chemical Technology Section  
Chemical Engineering  
Division of Engineering

Enclosures: As stated

cc: See next page

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OCT 11 1985

Victor Benaroya

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cc: J. Knight  
 W. Johnston  
 T. Sullivan  
 C. McCracken  
 - F. Congel  
 - B. D. Liaw  
 - B. Sheron  
 - R. Lobel/L. Phillips  
 - W. Gammill  
 - J. Hulman  
 - R. Ballard  
 - H. Alderman, ACRS  
 - G. T. Ankrum, IE  
 Attendees

Distribution  
 CMEB Reading  
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	<i>EJM</i>	<i>EJM</i>	<i>V</i>				
NAME	:FWitt:bjp	:CMcCracken	:VBenaroya	:	:	:	:
DATE	:10/10/85	:10/11/85	:10/11/85	:	:	:	:

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ENCLOSURE I  
BWR OWNER'S GROUP  
HYDROGEN WATER CHEMISTRY

<u>ATTENDEES</u>	<u>FACILITY</u>	<u>TELEPHONE</u>
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