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Vice President  
Nuclear Operations

September 1, 1988

U. S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, D. C. 20555

Attention: Document Control Desk

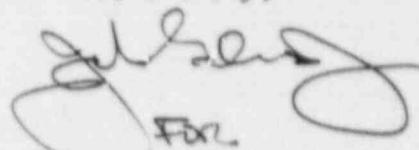
Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Quarterly Status Report - June, 1988  
"Degraded Core Accident Hydrogen  
Control Program"  
AECM-88/0165

The Grand Gulf Nuclear Station (GGNS), Unit 1 Facility Operating License (License No. NPF-29) requires that System Energy Resources, Inc. (SERI) submit to the NRC quarterly reports on the status of the "Degraded Core Accident Hydrogen Control Program." In response to that requirement, SERI is submitting the attached report covering the period from April 1, 1988 through June 30, 1988.

As discussed with the NRC Project Manager on August 31, 1988 this report is being submitted two days late. Should you have any questions concerning this report, please contact me.

Yours truly,

  
For  
ODKINGSLEY, JR.

ODK:bms  
Attachment

cc: (See Next Page)

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Quarterly Status Report for  
Quarter Ending June 30, 1988

"Degraded Core Accident  
Hydrogen Control Program"

Grand Gulf Nuclear Station  
Docket No. 50-416

System Energy Resources, Inc.

Quarterly Status Report - June 30, 1988

"Degraded Core Accident Hydrogen Control Program"

1.0 Introduction

This quarterly status report is submitted to comply with a requirement in the Grand Gulf Nuclear Station, Unit 1 Facility Operating License (License No. NPF-29). This requirement specifies that System Energy Resources, Inc. (SERI) should provide quarterly reports outlining the status of the on-going research program to address degraded core hydrogen control requirements. This report covers the second calendar quarter of 1988 ending June 30, 1988.

This report includes brief summaries of the submittals made by SERI during this quarter along with summaries of meetings between the NRC staff and SERI. SERI is participating in the Hydrogen Control Owners Group (HCOG) which is conducting generic research and completing generic analyses to resolve the degraded core hydrogen control issue. Since the work completed by HCOG complements SERI's program to resolve this issue, this report also includes summaries of meetings between the HCOG and the NRC. The summaries of these meetings included in this report do not reflect a formal HCOG position with respect to any issue and represent only the SERI interpretation of the meetings.

2.0 Summary of SERI Submittals

SERI made no submittals to the NRC on the Degraded Core Accident Hydrogen Control Program during the second calendar quarter of 1988.

3.0 Summary of HCOG and NRC Meetings

HCOG and NRC Meeting on June 23, 1988

The HCOG met with the NRC on June 23, 1988 to discuss the five remaining open items on the Combustible Gas Control Emergency Procedure Guideline (EPG). HCOG and the NRC resolved four of the five open items. HCOG acknowledged the remaining item, the desire of the NRC to operate drywell mixers to delay containment venting, may end up being an open item in the generic Safety Evaluation Report (SER) and agreed to provide the NRC with additional information on this item. Should this item remain open in the generic SER, it will be addressed in the plant specific submittals and SERs. HCOG noted that it would submit revision three of Combustible Gas Control EPG in July 1989.

4.0 Hydrogen Control Program Status

The summaries and status on the Hydrogen Control Program as stated herein do not reflect the HCOG position with respect to any program and represent only a SERI interpretation of these programs.

4.1 Status of Significant Issues

HCOG has continued to support the Staff in its process of drafting the generic hydrogen control safety evaluation report (SER) during this quarter. There are no significant open issues identified at this time.

SERI understands that the generic SER is nearing completion and would appreciate the NRC applying the necessary resources so that the SER can be issued in a timely manner.

4.2 Planned Activities for the Third Quarter of 1989

Continue work on the Grand Gulf Equipment Survivability Analysis Report and the Grand Gulf Hydrogen Control Report.