



Entergy  
Operations

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April 9, 1993

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

Attention: Document Control Desk

Subject: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
Quarterly Status Report for Period Ending  
March 31, 1992 - Degraded Core Accident Hydrogen  
Control Program

GNRO-93/00035

Gentlemen:

The Grand Gulf Nuclear Station (GGNS) Unit 1 Operating License requires that Entergy Operations, Inc. submit quarterly reports on the status of the "Degraded Core Accident Hydrogen Control Program." In response to that requirement, Entergy Operations, Inc. submits the attached report covering the period January 1, 1993 through March 31, 1993.

Should you have any questions concerning this report, please contact Jewel Summers at (601) 437-2149.

Yours truly,

C. R. Hutchinson  
Vice President, Operations GGNS

JS/mtc

attachment: Quarterly Status Report for Period Ending  
March 31, 1993

cc: (See Next Page)

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Grand Gulf Nuclear Station  
Docket No. 50-416  
Entergy Operations, Inc.  
Quarterly Status Report  
for  
Period Ending March 31, 1993

"Degraded Core Accident Hydrogen Control Program"

Quarterly Status Report  
for  
Period Ending March 31, 1993

"Degraded Core Accident Hydrogen Control Program"

1.0 Introduction

This quarterly status report is submitted to comply with the Grand Gulf Nuclear Station (GGNS) Unit 1 Operating License. This requirement specifies that Entergy Operations, Inc. should provide quarterly reports outlining the status of the ongoing research program to address degraded core hydrogen control requirements. This report covers the first calendar quarter of 1993, ending March 31, 1993.

This report includes brief summaries of submittals made by Entergy Operations this quarter, along with summaries of meetings between the NRC Staff and Entergy Operations. Entergy Operations is participating in the Hydrogen Control Owners Group (HCOG) which is conducting generic research and analyses to resolve the degraded core hydrogen control issue. Since the work completed by HCOG parallels Entergy Operations' program to resolve this issue, this report also includes summaries of meetings between the HCOG and the NRC. The meetings summarized in this report do not reflect a formal HCOG position with respect to any issue, but represent Entergy Operations' interpretation of those meetings.

2.0 Summary of Entergy Operations, Inc. Submittals

Entergy Operations made no submittals to the NRC on the Degraded Core Accident Hydrogen Control Program during this calendar quarter of 1993.

3.0 Summary of HCOG and NRC Meetings

No formal meetings were held between Entergy Operations or HCOG and the NRC during this quarter.

4.0 Hydrogen Control Program Status

The summaries and status of the Hydrogen Control Program as stated herein do not reflect the HCOG position with respect to any program, but represent Entergy Operations' interpretation of these programs.

The generic research and generic analyses conducted by HCOG to resolve the degraded core hydrogen control issue are complete. In accordance with this, the NRC issued a Safety Evaluation Report (SER) on the generic Hydrogen Control Program on August 10, 1990. The SER documented the NRC's review of the generic Hydrogen Control Program and delineated which issues were considered closed by the NRC and which required additional action by the HCOG and/or the individual utilities.

5.0 Status of Significant Issues

No change.

6.0 Planned Activities for the Second Quarter 1993

Entergy Operations, Inc. plans to submit a proposed change to the GGNS Operating License (PCOL) to reflect incorporation of the Generic Hydrogen Ignition System (HIS) Technical Specifications. The proposed change will relax previous restrictions on ensuring operability of igniters in enclosed areas and igniters located in open areas adjacent to inoperable igniters; redefine the Hydrogen Ignition System as operable based solely on subsystem status; and remove component lists from the GGNS HIS Technical Specifications in accordance with guidance provided in Generic Letter 91-08.

The Generic Hydrogen Ignition System Technical Specifications (Appendix A to the Staff's Generic Mark III Containment Hydrogen Control Safety Evaluation Report) have been confirmed applicable and valid for the GGNS configuration.