



JOHN G. CESARE, JR.
Director
Nuclear Licensing

March 1, 1989

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 -
December 1988 "Degraded Core Accident
Hydrogen Control Program"
AECM-89/0033

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 October 1, 1988 through December 31, 1988.

Should you have any questions concerning this report, please contact this office.

Yours truly,

JGC:slg
Attachment

cc: (See next page)

8903090141 890301
PDR ADOCK 05000416
R PDC

J14AECM89020702 - 1

P. O. BOX 23070 | JACKSON, MISSISSIPPI 39225-3070 | (601) 984-9210
A Middle South Utilities Company

A001
11

cc: Mr. W. T. Cottle (w/a)
Mr. T. H. Cloninger (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)
Mr. H. O. Christensen (w/a)

Mr. Malcolm L. Ernst (w/a)
Acting Regional Administrator
U.S. Nuclear Regulatory Commission
Region II
101 Marietta St., N.W., Suite 2900
Atlanta, Georgia 30323

Mr. L. L. Kintner, Project Manager (w/a)
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Mail Stop 14B20
Washington, D.C. 20555

Quarterly Status Report for
Quarter Ending December 31, 1988

"Degraded Core Accident
Hydrogen Control Program"

Grand Gulf Nuclear Station
Docket No. 50-416

System Energy Resources, Inc.

Quarterly Status Report - December 31, 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 ongoing research program to address degraded core hydrogen control requirements. This report covers the fourth calendar quarter of 1988 ending December 31, 1988.

This report includes brief summaries of any submittals made by SERI during this quarter along with summaries of any 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 fourth calendar quarter of 1988.

3.0 Summary of HCOG and NRC Meetings

No formal meetings were held between SERI or HCOG and the NRC 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 and represent only a SERI interpretation of these programs.

4.1 Status of Significant Issues

SERI is currently awaiting the NRC's SER on the Hydrogen Control Program of HCOG. SERI understands that the generic SER is nearing completion and requests that necessary NRC resources be applied so that the SER can be issued in a timely manner. SERI is not performing any other actions under our program pending NRC issuance of the generic SER.

4.2 Planned Activities for the First Quarter of 1989

No activities are planned for the first quarter of 1989. Upon issuance of the generic SER, SERI will resume related hydrogen control activities.