



December 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
FSAR Update Revision 3
AECM-88/0235

Pursuant to 10 CFR 50.71(e), System Energy Resources, Inc. (SERI) hereby submits one signed original and ten copies of its updated Final Safety Analysis Report (FSAR), Revision 3, for the Grand Gulf Nuclear Station (GGNS), Unit 1.

This submittal revises the updated FSAR to include changes required in accordance with 10 CFR 50.71(e) up to June 1, 1988. Identification of those changes implemented under the provisions of 10 CFR 50.59 for the 12 month period up to June 1, 1988 were submitted to the Commission under separate cover letters (AECM-88/0030, AECM-88/0117 and AECM-88/0173). Those changes implemented under the provisions of 10 CFR 50.59 on June 1, 1988 or after (which were performed for FSAR changes included in Updated Revision 3) are listed in AECM-88/0173 and will be reported in the next scheduled 50.59 summary report submittal.

An overview of key changes in Revision 3 of the FSAR Update includes:

- 1) Appropriate revisions to the FSAR text to reflect the changes made to meet the requirements of 10 CFR 50.62 including the addition of the alternate rod insertion system, modifications to the recirculation pump trip system, and modifications to the standby liquid control system.
- 2) Appropriate revisions to the FSAR text to incorporate the fire protection Technical Specifications into the FSAR. This is necessary for making appropriate changes to the fire protection Technical Specifications and revising License Condition 2.C(23) consistent with the initiatives and guidance in NRC Generic Letters 86-10 and 88-12.

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- 3) Addition of the PSRC/SRC membership composition and qualifications. This change was necessary to support removal of the PSRC/SRC composition and general qualification requirements from the Technical Specifications and incorporation into the FSAR consistent with NRC Generic Letter 88-06.
- 4) Revision to Table 7.5-2 to incorporate specific instrument channels complying with NRC Regulatory Guide 1.97. This change was incorporated as a SERI followup action to NRC Inspection Report 50-416/88-11.

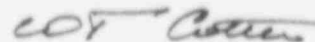
The update to the Current Cycle Safety Analysis (CCSA) which is considered part of the updated FSAR was submitted via AECM-88/0188, dated 11/21/88. The update to the CCSA reflects the fuel reload accomplished during the refueling outage that occurred in late 1987 (cycle 3).

This transmittal also contains insert instructions for the enclosed updated FSAR binder revisions. The binder revisions reflect the change from Mississippi Power & Light to System Energy Resources, Inc. as the owner/operator of GGNS.

As required by 10 CFR 50.71(e)(2) and as authorized by SERI, I hereby certify, to the best of my knowledge, information and belief, that the information given in the attached updated FSAR, Revision 3, accurately presents changes made since the previous submittal, necessary to reflect information and analyses submitted to the NRC or prepared pursuant to NRC requirement.

If you have any questions, please contact this office.

Yours truly,



W. T. Cottle
Vice President, Nuclear Operations

WTC:slg

Attachments: A - Insert Instructions for Binder Updates
B - UFSAR Rev. 3

cc: Mr. T. H. Cloninger (w/o)
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INSTRUCTIONS FOR BINDER UPDATES

Because of the change in operator name from Mississippi Power & Light Company to System Energy Resources, Inc. the following updates are required to the binders:

- Remove the spine, cover and 3-hole cover sheet from each binder.
- Replace with the enclosed spine, cover and 3-hole cover sheet, which depict System Energy Resources, Inc.

Please attach next page
(Sheet 8a of 18 Rev. 3 12/88)
in the correct position of
the updated FSAR

TABLE 7.5-2 (Cont.)

NOTES

<u>Valve</u>	<u>Instrument</u>	Position also Indicated on The Isolation Valve Status <u>Panel</u>
P71-F148	P71-ZS-N020	Yes
P71-F149	P71-ZS-N021	Yes
P52-F105	P52-ZS-N012	Yes
P53-F001	P53-ZS-N011	Yes
P45-F067	P45-ZS-N079	Yes
P45-F061	P45-ZS-N071	Yes
P45-F068	P45-ZS-N080	Yes
P45-F062	P45-ZS-N072	Yes
P45-F273	P45-ZS-N506	Yes
P45-F274	P45-ZS-N507	Yes
P45-F098	P45-ZS-N027	Yes
P45-F099	P45-ZS-N028	Yes
P11-F075	P11-ZS-N005	Yes
P11-F130	P11-ZS-N070	Yes
P11-F131	P11-ZS-N071	Yes
P21-F017	P21-ZS-N017	Yes
P21-F018	P21-ZS-N003	Yes
P53-F003	P53-ZS-N012	Yes
P60-F009	P60-ZS-N009	Yes
P60-F010	P60-ZS-N010	Yes
P72-F121	P72-ZS-N046	Yes
P72-F123	P72-ZS-N034	Yes
P72-F122	P72-ZS-N047	Yes
E12-F394	E12-ZS-N194	Yes
P71-F150	P71-ZS-N022	Yes
E61-F009	E61-ZS-N019	Yes
E61-F010	E61-ZS-N020	Yes
E61-F056	E61-ZS-N027	Yes
E61-F057	E61-ZS-N026	Yes
E12-F011A	E12-ZS-N131A	Yes
E12-F011B	E12-ZS-N131B	Yes
E12-F024A	E12-ZS-N122A	Yes
E12-F024B	E12-ZS-N122B	Yes
E12-F028A	E12-ZS-N110A	Yes
E12-F028B	E12-ZS-N110B	Yes
E12-F037A	E12-ZS-N119A	Yes
E12-F037B	E12-ZS-N119B	Yes
G33-F053	G33-ZS-N121B	Yes
G33-F054	G33-ZS-N121A	Yes
G33-F252	G33-ZS-N128	Yes
G36-F101	G36-ZS-N138	No
G36-F106	G36-ZS-N136	Yes
M41-F011	M41-ZS-N026	Yes
M41-F012	M41-ZS-N027	Yes