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**George A. Williams**  
Vice President - Operations  
Grand Gulf Nuclear Station

July 01, 2003

U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Attention: Document Control Desk

Subject: UFSAR Update for Grand Gulf Nuclear Station dated June  
2003  
Grand Gulf Nuclear Station  
Docket No. 50-416  
License No. NPF-29

Reference: NRC REGULATORY ISSUE SUMMARY 2001-05 GUIDANCE  
ON SUBMITTING DOCUMENTS TO THE NRC BY  
ELECTRONIC INFORMATION EXCHANGE OR ON CD-ROM

GNRO-2003/00040

Ladies and Gentlemen:

Pursuant to 10CFR50.71(e) and in accordance with the 10CFR50.4 exception granted by the above reference, Entergy Operations, Inc. hereby submits only one CD-ROM copy of the current Updated Final Safety Analysis Report (UFSAR). The UFSAR CD-ROM (electronic copy) is a complete copy of our 10CFR50 Appendix B (Section VI Document Control) Controlled Copy of the UFSAR and includes recent revisions. A file is included on the CD-ROM called "prindex.pdf" which is a page revision index. The page revision index identifies the current pages of the FSAR following page replacement. The page revision index has the changed pages highlighted in BLUE and BOLDED and is included as an aid for NRC reviewers.

GGNS now submits UFSAR updates on a more frequent basis than that required by 10CFR50.71(e). This change has been made to improve the timeliness of information provided to the NRC and to take advantage of recent changes made by the NRC in the area of electronic transmittal of information. Attachment 1 provides a detailed explanation of the CD-ROM technical details.

A053

This UFSAR update includes the designation of certain information as historical and the removal of certain redundant information pursuant to the guidance of NEI-98-03 Rev. 1 as endorsed by the NRC in Regulatory Guide 1.181. These changes are described in Attachment 2.

I hereby certify, to the best of my knowledge, information and belief, that the information provided in the attached UFSAR meets the requirements of 10CFR50.71(e) to update the UFSAR to reflect all changes to a maximum of six months prior to the date of this submittal. This letter does not contain any commitments.

Should you have any questions, please contact James Owens at 601-437-6219.

Yours truly,



GAW/JEO/jeo

attachments: 1. GGNS UFSAR CD-ROM TECHNICAL DETAILS  
2. FSAR-only Changes

enclosure: One CD-ROM copy of the Complete 10CFR50 Appendix B Controlled Copy Updated Final Safety Analysis Report

cc:

Hoeg	T. L.	(GGNS Senior Resident)	(w/a)*
Levanway	D. E.	(Wise Carter)	(w/a)*
Reynolds	N. S.		(w/a)*
Smith	L. J.	(Wise Carter)	(w/a)*
Thomas	H. L.		(w/o)

\* w/o enclosure

U.S. Nuclear Regulatory Commission  
ATTN: Mr. Thomas P. Gwynn  
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Mail Stop OWFN/7D-1  
Washington, D.C. 20555-0001

July 01, 2003  
GNRO-2003/00040

**bcc:**

**OUTLOOK MAIL: DISTRIBUTION IS ALL ELECTRONIC**

Ashley	G. R.	(ANO-NSAPL)	w/a
Green	R. L.	(GG-TRNG)	w/a
Bottemiller	C. A.	(GG-NSAPL)	w/a
Cotton	S. R.	(ANO-NSA)	w/a
Williams	G. A.	(GG-VP)	w/a
Edwards	J. B.	(GG-GMPO)	w/a
GGN CENTRAL FILE (10)			w/a
GGN PLANT LICENSING			w/a
King	R. J.	(RB-NSA)	w/a
Krupa	M. A.	(ECH-NSL)	w/a
Leavines	J. W.	(RB-NSAPL)	w/a
Ridgel	J. A.	(W3-NSAPL)	w/a
Roberts	J. C.	(GG-NSA)	w/a
Wiles	D. P.	(GG-ENG)	w/a

Note: enclosure not included

**OTHER:**

File (LRS\_DOCS Directory - GNRI or GNRO)

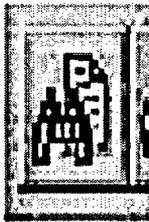
**ATTACHMENT 1 TO GNRO-2003/00040**

**GGNS UFSAR CD-ROM TECHNICAL DETAILS**

## UFSAR CD-ROM TECHNICAL DETAILS

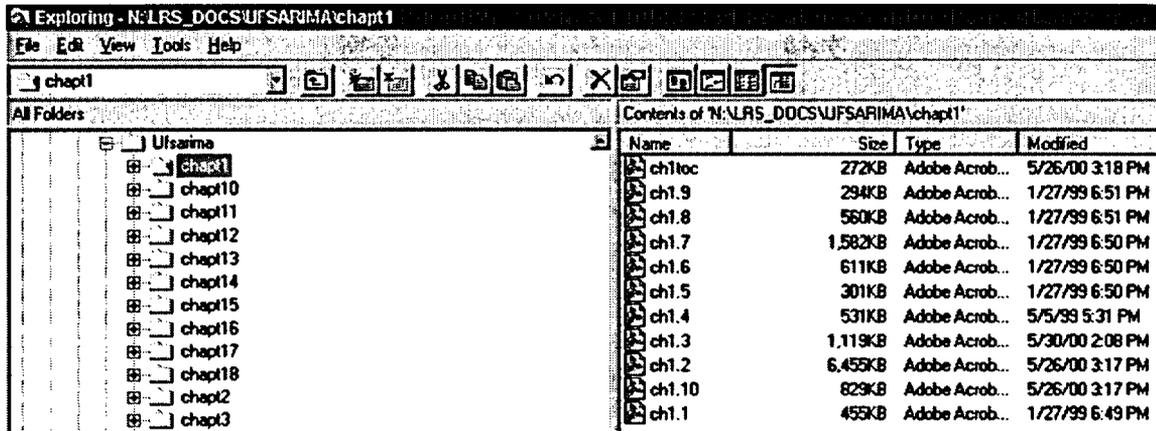
The UFSAR CD-ROM can be accessed directly from the CD-ROM or can be loaded on local area network for multi-user access. The following information is provided explaining the content of the CD-ROM:

- The file format chosen is PDF; however, two types PDF file formats are included: PDF ORIGINAL IMAGE with HIDDEN TEXT or PDF NORMAL. The majority file format used is PDF ORIGINAL IMAGE with HIDDEN TEXT. This means the document was created by scanning the original paper copy of the document. This PDF scanned image was further processed, using ADOBE ACROBAT, by performing an OCR (optical character recognition) of the scanned image to allow text search capability. The PDF scanned image of the UFSAR hardcopy is preserved and the OCR text is hidden behind the image. There are a couple of files on the CD-ROM that use the PDF NORMAL format. The PDF NORMAL file was electronically created using the word processing native file.
- The software used to view the UFSAR is located in the root directory of the CD-ROM and is ADOBE ACROBAT READER 3.01 or 4.05. The names of the files are "rs32e301.exe" or "rs405eng.exe" and it is self-executing file. When executed it will load a copy of ADOBE ACROBAT READER 3.01 on your hard drive. This will allow you to keyword search the entire UFSAR and view/print all PDF files on the CD-ROM. More information concerning free use of the supplied software is located at: <http://www.adobe.com/products/acrobat/readermain.html>.
- Once the reader is loaded, use the reader software to open the "START.PDF" file located on the CD-ROM. After the file is loaded, a picture of the Grand Gulf Nuclear Station site will be seen. Selecting the red box identified as Table of Contents on the opening screen will load the UFSAR Table of Contents. Each chapter can be accessed by selecting the highlighted box around the chapter name. If you wish to text search the entire UFSAR, select this icon:



- A help file is available on the CD-ROM called "help.pdf". It provides additional guidance on usage of the UFSAR CD-ROM.
- The CD-ROM UFSAR file structure is set-up to replicate the HARDCOPY books of the UFSAR, which includes tabbing and numbering of chapter and subchapters. Each subchapter is complete and includes all text, figures, and tables. This includes 8.5x11" and 11x17" sheets normally found in the HARDCOPY books.
- The UFSAR on the CD-ROM is setup such that it can be easily placed on a local area network by copying the entire "UFSARIMA" directory onto the network drive. Once on the network, ADOBE ACROBAT READER should be used to self load the file named "b1toc.pdf" file or "start.pdf" file.

- The UFSAR CD-ROM file structure is as follows:



Exploring - N:\LRS\_DOCS\UFSARIMA\chapt1

File Edit View Tools Help

chapt1

All Folders: Ufsarima, chapt10, chapt11, chapt12, chapt13, chapt14, chapt15, chapt16, chapt17, chapt18, chapt2, chapt3

Contents of N:\LRS\_DOCS\UFSARIMA\chapt1:

Name	Size	Type	Modified
ch1toc	272KB	Adobe Acrob...	5/26/00 3:18 PM
ch1.9	294KB	Adobe Acrob...	1/27/99 6:51 PM
ch1.8	560KB	Adobe Acrob...	1/27/99 6:51 PM
ch1.7	1,582KB	Adobe Acrob...	1/27/99 6:50 PM
ch1.6	611KB	Adobe Acrob...	1/27/99 6:50 PM
ch1.5	301KB	Adobe Acrob...	1/27/99 6:50 PM
ch1.4	531KB	Adobe Acrob...	5/5/99 5:31 PM
ch1.3	1,119KB	Adobe Acrob...	5/30/00 2:08 PM
ch1.2	6,455KB	Adobe Acrob...	5/26/00 3:17 PM
ch1.10	829KB	Adobe Acrob...	5/26/00 3:17 PM
ch1.1	455KB	Adobe Acrob...	1/27/99 6:49 PM

- Each chapter can be directly accessed by using the reader software. This is advantageous if comparisons of different chapters are necessary.

**ATTACHMENT 2 TO GNRO-2003/00040**

**FSAR-ONLY CHANGES (NEI-98-03)**

**NEI-98-03 FSAR CHANGES**

<p align="center"><b>FSAR Page/Table/ Figure</b></p> <p align="center">(Licensing Document Change Number)</p>	<p align="center"><b>98-03 Type of Change / Description of Change</b></p>	<p align="center"><b>Justification for Change</b></p>
<p>Page 7.7-56 (LDC 03028)</p>	<p>Removal of excessive detail Change UFSAR Section 7.7.10.3.4, 2<sup>nd</sup> and 3<sup>rd</sup> sentence to read: "Two flow range measurements are made, the low flow or normal plant operation range, and the high flow or startup range."</p>	<p>This change removes excessive detail regarding the specific spans of the offgas system instrumentation. These spans have changed, and may again change as instrumentation is upgraded, and the specific range/span information provides no additional understanding to the reader, nor does its removal change the intent or information presented in the passage in a manner that would affect the readers understanding of the system.</p>

## NRC SUBMITTAL REVIEW

Letter # GNRO-2003/00040

Response Due: N/A

Subject: UFSAR UPDATE FOR GRAND GULF NUCLEAR STATION DATED JUNE 2003

Correspondence Preparer / phone #: James Owens /437-6219

**SECTION I LETTER CONCURRENCE and AGREEMENT TO PERFORM ACTIONS (see Section III)**

Responsible Department/Position	Concurrence (sign, interoffice memo, e-mail, or telecom)
NSA - PL	<i>James E. Owens</i>
<b>COMMENTS</b>	

**SECTION II CORRESPONDENCE SCREENING**

Does this letter contain commitments? If "yes," identify the commitments with due dates in the submittal and in Section III.	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter contain any information or analyses of new safety issues performed at NRC request or to satisfy a regulatory requirement? If "yes," reflect requirement to update the UFSAR in Section III.	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter request NRC approval of a change that may/will require UFSAR, TS Bases, or other Licensing documents to be updated if approved? If "yes," reflect requirement to update the applicable Licensing document in Section III..	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter require procedure changes, if approved? If "yes," indicate in Section III an action to determine affected procedures. (The Correspondence Preparer may indicate the specific procedures requiring revision, if known.)	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>
Does this letter contain information certified accurate? If "yes," identify the information and document certification in an attachment. (Attachment 9.6 may be used.)	Yes No	<input type="checkbox"/> <input checked="" type="checkbox"/>

**SECTION III ACTION ITEMS**

Required Actions	Due Date	<u>RESPONSIBLE DEPARTMENT</u>
NOTE: Actions needed upon approval should be captured in the appropriate action tracking system.		
<b>CERTIFICATION</b>		<b>PLANT LICENSING</b>

**SECTION IV FINAL DOCUMENT SIGNOFF FOR SUBMITTAL**

Correspondence Preparer	<i>James E. Owens</i>
Final Peer Review (optional)	N/A
Responsible Dept. Head	<i>[Signature]</i>

