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CNRO-2008-00022

July 24, 2008

U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001
Attention: Document Control Desk

SUBJECT: Grand Gulf Unit 3 Combined Operating License Application
Responses to NRC Safety (Hydrology) Site Audit Requests for
Electronic Files

Grand Gulf Nuclear Station Unit 3
Docket No. 52-024

Dear Sir or Madam:

During the week of June 16, 2008, representatives of the NRC Office of New Reactors and supporting contractors conducted an Environmental and Safety Site Audit of the Grand Gulf Nuclear Station (GGNS) Unit 3 combined operating license application (COLA). During the audit, the NRC staff requested various electronic files to aid in Staff review of the application; specifically, Part 2, FSAR Section 2.4, *Hydrologic Engineering*. Attachment 1 provides a listing of the NRC's safety (hydrology) requests with Entergy's responses. The numbering convention used in Attachment 1 (e.g., H-3) was developed to track the questions raised during the audit. Enclosure 1 provides a DVD containing the electronic hydrology files requested. Attachment 2 provides a list of files contained on the enclosed DVD. All files are publically available.

The file format and names on the enclosed DVD do not fully comply with the requirements for electronic submission in NRC Guidance Document, "Guidance for Electronic Submissions to the NRC," dated November 20, 2007; the files are not "*.pdf" formatted. The NRC Staff requested the files be submitted in their native formats required by the software in which they are utilized to support the FSAR development; e.g., ASCII for input files to the HEC-RAS software. The file names are those required for proper software operation.

This letter contains no new commitments.

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NRD

Should you have any questions, please contact me or Mr. Tom Williamson of my staff. Mr. Williams may be reached as follows:

Telephone: (601) 368-5786

Mailing Address: 1340 Echelon Parkway
Mail Stop M-ECH-21
Jackson, MS 39213

E-Mail Address: twilli2@entergy.com

I declare under penalty of perjury that the foregoing is true and correct.

Executed on July 24, 2008.

Sincerely,



WKH/gaz

Attachments: 1. Responses to NRC Safety (Hydrology) Audit Requests for Electronic Files
2. List of Electronic Files on Enclosed DVD

Enclosure: 1. DVD Containing Requested Electronic Files

cc: Mr. T. A. Burke (ECH) (w/o enclosure)
Mr. S. P. Frantz (Morgan, Lewis & Bockius) (w/o enclosure)
Mr. B. R. Johnson (GE-Hitachi) (w/o enclosure)
Ms. M. Kray (NuStart) (w/o enclosure)
Mr. P. D. Hinnenkamp (ECH) (w/o enclosure)

NRC Project Manager – GGNS COLA
NRC Director – Division of Construction Projects (Region II)
NRC Regional Administrator - Region IV
NRC Resident Inspectors' Office - GGNS

ATTACHMENT 1

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**RESPONSES TO NRC SAFETY (HYDROLOGY) REQUESTS
FOR ELECTRONIC FILES**

**RESPONSES TO NRC SAFETY (HYDROLOGY) REQUESTS
FOR ELECTRONIC FILES**

AUDIT TOPIC: HYDROLOGY

NRC Audit Request

H-3 Provide the HEC-RAS input files and a topographic map identifying the locations of the cross-sections near the culverts serving Streams A and B (Figures 9 and 10 from GCALC-019).

Entergy Response

The HEC-RAS input files are included on the Enclosure 1, DVD. See files listed in Attachment 2. GCALC-019 (and associated figures) is available for NRC Staff audit.

Software Utilized:

Hydrologic Engineering Center - River Analysis System (HEC-RAS), Version 3.1.3; US Army Corps of Engineers, Hydrologic Engineering Center, CA., May 2005, www.hec.usace.army.mil.

NRC Audit Request

H-22 Provide the data input files used in the RESRAD model assessment of the dose consequence of an accidental release based on the requirements of 10 CFR 20 Appendix B Table 2.

Entergy Response

See files listed in Attachment 2 and included on the Enclosure 1, DVD.

Software Utilized: RESRAD-OFFSITE, Version 2

ATTACHMENT 2

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LIST OF ELECTRONIC FILES ON ENCLOSED DVD

Directory of GGNS Safety Site Audit Requested Files

```
07/22/2008 11:28 AM <DIR> .
07/22/2008 11:28 AM <DIR> ..
07/22/2008 11:28 AM <DIR> H-22_RESRAD Inputs
07/22/2008 11:28 AM <DIR> H-3_HEC-RAS Inputs
0 File(s) 0 bytes
```

Directory of GGNS Safety Site Audit Requested Files\H-22_RESRAD Inputs

```
07/22/2008 11:28 AM <DIR> .
07/22/2008 11:28 AM <DIR> ..
07/15/2008 03:27 PM 40,238 GGNS LIQUID TANK FAILURE 2_0.CHN
07/15/2008 03:27 PM 30,552 GGNS LIQUID TANK FAILURE 2_0.ROF
2 File(s) 70,790 bytes
```

Directory of GGNS Safety Site Audit Requested Files\H-3_HEC-RAS Inputs

```
07/22/2008 11:28 AM <DIR> .
07/22/2008 11:28 AM <DIR> ..
07/22/2008 11:28 AM <DIR> Basin A
07/22/2008 11:28 AM <DIR> Basin B
0 File(s) 0 bytes
```

Directory of GGNS Safety Site Audit Requested Files\H-3_HEC-RAS Inputs\Basin A

```
07/22/2008 11:28 AM <DIR> .
07/22/2008 11:28 AM <DIR> ..
05/16/2007 09:12 AM 517 CUL907.f01
09/25/2007 12:37 PM 538 CUL907.f02
05/21/2007 03:09 PM 517 CUL907.f04
09/26/2007 02:09 PM 7,120 CUL907.g03
12/17/2007 03:29 PM 1,400 CUL907.p05
12/17/2007 03:29 PM 564 CUL907.prj
12/17/2007 03:27 PM 8,405 CUL907.r05
05/16/2007 09:12 AM 275 culverta.f02
05/16/2007 09:12 AM 275 culverta.f03
9 File(s) 19,611 bytes
```

Directory of GGNS Safety Site Audit Requested Files\H-3_HEC-RAS Inputs\Basin B

```
07/22/2008 11:28 AM <DIR> .
07/22/2008 11:28 AM <DIR> ..
05/16/2007 09:11 AM 518 CULB807.f01
05/16/2007 09:11 AM 519 CULB807.f02
05/16/2007 09:11 AM 275 CULB807.f03
05/21/2007 03:12 PM 518 CULB807.f04
09/25/2007 12:46 PM 538 CULB807.f05
```

09/25/2007 03:12 PM	7,494 CULB807.g01
08/11/2007 10:52 PM	7,600 CULB807.g03
08/11/2007 10:57 PM	1,378 CULB807.p01
08/11/2007 10:57 PM	1,283 CULB807.p02
08/11/2007 10:57 PM	1,378 CULB807.p03
08/11/2007 11:03 PM	1,378 CULB807.p04
09/27/2007 01:34 PM	1,464 CULB807.p05
09/27/2007 01:34 PM	669 CULB807.prj
08/12/2007 05:35 PM	9,081 CULB807.r04
09/26/2007 04:47 PM	9,089 CULB807.r05
05/16/2007 09:11 AM	518 CULB907.f01
05/16/2007 09:11 AM	519 CULB907.f02
05/16/2007 09:11 AM	275 CULB907.f03
05/21/2007 03:12 PM	518 CULB907.f04
09/25/2007 12:46 PM	538 CULB907.f05
09/25/2007 03:12 PM	7,494 CULB907.g01
06/17/2008 12:50 PM	7,614 CULB907.g02
08/11/2007 10:52 PM	7,600 CULB907.g03
09/27/2007 01:35 PM	1,378 CULB907.p01
09/27/2007 01:35 PM	1,378 CULB907.p04
09/27/2007 02:14 PM	1,464 CULB907.p05
06/17/2008 03:17 PM	654 CULB907.prj
09/27/2007 01:39 PM	9,089 CULB907.r05
06/17/2008 12:50 PM	9,081 CULB907.r06
05/16/2007 09:11 AM	518 culvertb.f01
05/16/2007 09:11 AM	519 culvertb.f02
05/16/2007 09:11 AM	275 culvertb.f03
05/21/2007 03:12 PM	518 culvertb.f04
05/16/2007 09:11 AM	7,202 culvertb.g02
08/11/2007 10:52 PM	7,600 CULVERTB.g03
05/16/2007 09:11 AM	1,378 culvertb.p01
05/16/2007 09:11 AM	1,283 culvertb.p02
05/16/2007 09:11 AM	1,378 culvertb.p03
08/11/2007 10:55 PM	1,392 CULVERTB.p04
08/11/2007 10:55 PM	616 culvertb.prj
08/11/2007 10:52 PM	9,081 culvertb.r01
05/16/2007 09:11 AM	8,459 culvertb.r02
05/16/2007 09:11 AM	9,081 culvertb.r03
05/16/2007 09:11 AM	8,459 culvertb.r04
05/16/2007 09:11 AM	8,459 culvertb.r05
45 File(s)	157,520 bytes

Total Files Listed:
56 File(s) 247,921 bytes

ENCLOSURE 1

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DVD CONTAINING REQUESTED ELECTRONIC FILES