The following summarizes outstanding issues found during the review of Grand Gulf Nuclear Station (GGNS) requests for relief. Resolution of the items listed below is necessary in order to complete the review of these requests.

Surface Examinations

- The licensee received approval to use American Society of Mechanical Engineers, Boiler and Pressure Vessel Code (ASME Code), Code Case N-663 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML032390190, August 26, 2003), which allows foregoing of required surface examinations after an evaluation for OD surface degradation is completed. For examination category B-J, the licensee may have performed some of the ISI examinations prior to this approval, and appears that the licensee did not perform the Code-required surface examinations at that time. The licensee needs to discuss this issue and confirm whether the required surface examinations were performed. The licensee should also confirm whether the examination dates provided in the specific Request for Additional Information (RAI) response (February 11, 2010), are correct and apply only to the volumetric examinations.

Application of ASME Code Appendix VIII

- For Examination Category B-F welds included in RR GG-ISI-007, the licensee's submittal dated May 29, 2009, states that Appendix VIII procedures, personnel and equipment were used. However, in the specific RAI response dated February 11, 2010, the subject welds examinations show using ASME requirements at the time of the examination (March 30, and April 1, 2007), which were not Appendix VIII-based, and further states that the subject weld is not covered by Appendix VIII. It is noted that Appendix VIII requirements do apply for the subject welds. Please confirm the examination dates and the ASME Code requirements used to perform the volumetric examinations on the subject Class 1 dissimilar metal welds.

- For Examination Category B-G-1 items included in RR GG-ISI-008, the licensee's submittal and specific RAI response, dated May 29, 2009 and February 11, 2010, respectively, state that Appendix VIII does not apply for the subject welds. In addition, at least one of the examination dates provided in the licensee specific RAI response is after the mandatory Appendix VIII to Section XI implementation date (November 22, 2002). It is noted that Appendix VIII requirements do apply for the subject welds. Please confirm the examination dates and the ASME Code requirements used to perform the volumetric examinations on the subject Class 1 welds. If applicable, please explain why the volumetric examinations were not done in accordance with Appendix VIII.

- For Examination Category B-J welds included in RR GG-ISI-009, the licensee's submittal dated May 29, 2009, states that Appendix VIII procedures, personnel and equipment were used. However, in the specific RAI response dated February 11, 2010, three of the subject welds examinations show using ASME requirements at the time of the examination (November 4 and 5, 1999), which were not Appendix VIII-based. Please confirm the examination dates and the ASME Code requirements used to perform the volumetric examinations on the subject Class 1 piping welds.

- For Examination Category C-F-2 weld included in RR GG-ISI-011, the licensee's submittal dated May 29, 2009, states that Appendix VIII procedures, personnel and equipment were used. However, in the specific RAI response dated February 11, 2010,

the subject Weld 1E51G004-16-8-3 examinations show using ASME requirements at the time of the examination (February 23, 2004), which were not Appendix VIII-based, and further states that the subject weld is not covered by Appendix VIII. It is noted that Appendix VIII requirements do apply for the subject weld. Please confirm the examination date and the ASME Code requirements used to perform the volumetric examinations on the subject Class 2 piping weld.

Miscellaneous Items

- In RR GG-ISI-009, for Examination Category B-J piping welds, the scan angles used to perform the ultrasonic examinations for Weld 1B33G10-A1-B vary between values listed in the licensee submittal and RAI response tables and sketch, dated May 29, 2009, and February 11, 2010, respectively. Please confirm the ultrasonic scan angles used to perform the volumetric examinations on Weld 1B33G10-A1-B.

- In RR GG-ISI-009, for Examination Category B-J piping welds, the licensee submittal, dated May 29, 2009 describes piping Weld 1B33G10-A1-A as a *24" Pipe to Cross*. However, the licensee RAI response, dated October 1, 2009, describes the same weld as a *24" Pipe to Tee*. Please confirm the correct description for piping Weld 1B33G10-A1-A.

- In RR GG-ISI-009, for Examination Category B-J piping welds, the licensee RAI response, dated October 1, 2009, table shows conflicting scan limitation descriptions for piping Welds B33G10-B1-F, -G, and -H. One column states scanning was conducted from the pipe side only, and column "a" states scanning was done only from the elbow side. Although Drawing GG-ISI-011 shows scanning was only done from the pipe side, please confirm the correct scanning limitation for the subject sweep-o-let to pipe welds.

- The following RR titles are interchangeably used in the GGNS submittal and RAI responses, GGNS-ISI-xxx and GG-ISI-xxx. Please clarify the correct RR title to use.