

Enclosure 1

MFN 08-851

**Response to Portion of NRC Request for
Additional Information Letter No. 259
Related to ESBWR Design Certification Application**

Containment Systems

RAI Numbers 6.2-198 and 6.2-199

NRC RAI 6.2-198:

In DCD Tier 2, Rev. 5, Section 6.2.4, Figure 6.2-30, the process radiation monitoring system shows two isolation valves, one inside and one outside on each sample line to and from the drywell. But in the system description (page 6.2-49), it indicates that each fission products monitor sample line uses three tandem stop or shutoff valves. One valve is a manually-operated valve used for maintenance and is located close to the containment; the other two valves are pneumatic, solenoid or equivalent power operated valves used for isolation. All three valves are located outside the containment for easy access. Please make the appropriate correction to ensure that the system description is consistent with Figure 6.2-30.

GEH Response:

GEH agrees with this request. DCD Tier 2, Table 6.2-42 and Figure 6.2-30, were revised or added as shown in the response to RAI 6.2-127 S01 (MFN 06-473 Supplement 1, dated December 10, 2007). DCD Tier 2, Subsection 6.4.3.2.2, was not revised in that RAI response. The sample lines use two automatic isolation valves, one inside containment and one outside containment, as shown on DCD Tier 2, Figure 6.2-30. The third manually-operated maintenance valve is now located downstream of the outboard isolation valve. GEH agrees to make the required changes to this section to ensure the system description is consistent with Figure 6.2-30.

DCD Impact:

DCD Tier 2, Subsection 6.2.4.3.2.2, will be revised as noted in the attached markup.

NRC RAI 6.2-199:

In DCD Tier 2, Rev. 5, Tables 6.2-36, 6.2-37 and 6.2-38, "Containment Isolation Valve Information for the Containment Inerting System", refer to Figure 9.4-14 for valves location. But in Revision 5, Figure 9.4-14 has been moved to Chapter 6. Please update the above tables to reflect the proper reference and update Figure 6.2-29 to include the Containment Inerting System.

In addition, Isolation Valve F023 and penetration numbers are not shown in Figure 6.2-29. Please include this information in Figure 6.2-29.

GEH Response:

GEH agrees with this request and will make the necessary changes.

DCD Impact:

DCD Tier 2, Table 6.2-36, Table 6.2-37, Table 6.2-38, and Figure 6.2-29, will be revised as noted in the attached markup.