PMSTPCOL PEmails

From: George Wunder
Sent: Thursday, April 24, 2008 11:28 AM
To: Gibson, Gregory T
Cc: STPCOL
Attachments: RAI 103.doc; RAI 152.doc; RAI 130.doc; RAI 102.doc

Greg,

Some draft RAIs you might want to discuss.

George

Hearing Identifier: SouthTexas34Public_EX
Email Number: 17

Mail Envelope Properties (419623E8C7444444BF132DA3AE69EDA20AE66EDA55)

Subject:
Sent Date: 4/24/2008 11:28:18 AM
Received Date: 4/24/2008 11:28:19 AM
From: George Wunder

Created By: George.Wunder@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Gibson, Gregory T" <gtgibson@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	89	4/24/2008 11:28:19 AM
RAI 103.doc	26106	
RAI 152.doc	24570	
RAI 130.doc	25082	
RAI 102.doc	25594	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

09.03.03-***

ABWR DCD Tier 2 Section 9.3.8.1.1, “Safety Design Bases”, states that the radioactive drain transfer collection piping shall be non-nuclear safety class and Quality Group D with the exception of the containment penetrations and piping in the drywell, which should be Seismic Category 1 and Quality Group B. Please clarify if MOV 006 and MOV 007 in Sheet 1 of COLA FSAR Rev. 1, Figure 9.3 11, are containment isolation valves. Also, given the low quality/resolution of the drawings, the staff was unable to verify the designations of the Seismic Category 1 and Quality Group B portions of the system described above. In addition, the staff noted that there are inconsistencies between COLA FSAR Figure 9.3-11 and ABWR DCD Tier 2 Figure 1.7-1. For example, the piping identification format does not follow the convention described in Note 10 of Figure 1.7-1. Also, in Sheets 13, 15, and 17 of Figure 9.3-11 the symbols for some check valves are inconsistent with Note 6 of Figure 1.7-1. Please, provide P&IDs with higher resolution and symbols that are legible and consistent with Figure 1.7 1.

09.03.03-***

ABWR DCD section 9.3.8.1.1, “Safety Design Bases” item 5(a) states that backflow check valves should be included in the ECCS equipment room sumps. Item 5(b) states that floor drain piping in each divisional area of the ECCS pump rooms and the Control Building shall be arranged so that flooding or backflow in one quadrant will not adversely affect other quadrants. The staff could not locate in the P&IDs the check valves and sumps for each ECCS equipment room. Please, include these components (or add a reference to) in COLA FSAR Figure 9.3-11.

10.04.07-***

Regulatory Guide 1.206, Section C.I.10.4.7 states in part that the applicant should describe the condensate and feedwater system (CFS). A description of the CFS is included in section 10.4.7.2 of the STP FSAR. Departure STP 10.4-5 modifies the CFS by adding components (condensate booster pumps) and changing the system configuration. FSAR Section 10.4.7.2.2, "Component Description," does not include a component description for the condensate booster pumps which was added to the CFS by departure STP 10.4-5. Since the condensate booster pumps are major component of the STP CFS system, please explain why the condensate booster pumps are not include in the component descriptions in Section 10.4.7.2.2 of the FSAR.

09.01.03-***

COL Information Item 9.1.6.10 states that the applicant shall assure that the RHR system connections are adequately protected from the effects of pipe whip, internal flooding, internally generated missiles, and the effects of a moderate energy pipe rupture in the vicinity. The applicant stated in FSAR Section 9.1.6.10 that a description of this analysis will be provided in an FSAR amendment in accordance with 10 CFR 50.71(e) prior to fuel load. (Commitment 9.1-6). The staff requests the applicant to justify why this COL information item can not be completed within the COL review period or be addressed by a new ITAAC.

09.03.03-***

ABWR DCD COL Item 9.15, “Radioactive Drain Transfer systems” states that the COL applicant will provide P&IDs for the radioactive drainage system. COLA FSAR section 9.3.3.2, “Non Radioactive Drains (Interface Requirements)” indicates that this section addresses COL license Information Item 9.15. However, COL information item 9.15 only refers to the radioactive drainage system and does not require (nor the staff found in the FSAR) additional P&IDs regarding the non-radioactive drainage system. Please, revise the FSAR to remove the reference to COL Item 9.15 for the non-radioactive drainage system.

09.03.03-***

ABWR DCD section 9.3.3.2.5, “Instrumentation (Interface Requirement),” states that provisions for obtaining water samples from the non-radioactive drain system and a sampling analysis program shall be provided to show that radioactive liquids are not being discharged from the non radioactive drain system. A conceptual drawing of this system is provided in COLA FSAR Figure 9.3-12. However, the staff could only verify radiation monitoring. No provisions for obtaining samples are shown nor specifically discussed in the FSAR. Please, address the instrumentation interface requirements by describing the sampling and analysis program and the sampling provisions for the non-radioactive drainage system.