

NPA-PD-LR

**From:** Jonathan Rowley  
**To:** Duc Nguyen; Ron Young  
**Date:** Thu, Jan 11, 2007 9:53 AM  
**Subject:** Fwd: VYNPS License Renewal RAI Clarifications

Ron/Duc

Clarification as mentioned in the call on yesterday.

>>> "Hamer, Mike" <mhamer@entergy.com> 01/11/2007 8:56 AM >>>

Jonathan, Per our teleconference yesterday, Entergy is providing the following RAI clarifications as stated below. RAI Clarification per 01/10/07 Teleconference Changes are underlined RAI 2.2-1 Table 2.2-4 of the license renewal application (LRA) identifies "Structures Not within the Scope of License Renewal." This table identifies the "Office Building (administration and service buildings)" as not within the scope of license renewal (See page 2.2-10 of the LRA). The table identifies two updated final safety analysis report (UFSAR) sections as references for the office building. UFSAR Section 12.2.1.1.3 is an appropriate reference that identifies the administration building as a seismic Class II structure. However, the second UFSAR Section 12.2.3 is actually for the turbine building and not the administration or service building. Clarify and correct the reference to Section 12.2.3 in Table 2.2-4. RAI 2.2-1 Response The office building is called by various names in VY documents: the office building or area, the service building or area, and the administration building. It is sometimes considered part of the turbine building and in other contexts described as a separate building. In UFSAR Section 12.2.3, this area is listed as the "service area" that is part of the turbine building. Although the reference to UFSAR Section 12.2.3 is correct, this reference could have been omitted since Section 12.2.3 only lists the service area and provides no description or further information about the service area. The office building is not within the scope of license renewal. RAI 2.2-3 The pressure regulator and turbine generator control system is described in UFSAR Section 7.11. The purpose of the turbine generator control system is to control steam flow and pressure to the turbine and to protect the turbine from overpressure or excessive speed. The turbine generator controls work in conjunction with the "nuclear steam system" controls to maintain essentially constant reactor pressure and limit reactor transients during load variations. The LRA does not address the nuclear steam system, nor does it appear to refer to UFSAR Section 7.11 in the text. Clarify whether the nuclear steam system is included in the scope of license renewal, or explain the basis for its exclusion. RAI 2.2-3 Response The pressure regulator and turbine generator control system as described in UFSAR Section 7.11 is an EIC portion of the main turbine generator (TG) system listed in Table 2.2-2. The TG system "provides automatic and manual controls to maintain essentially constant reactor pressure and limit reactor transients during load variations. Components in the system control steam flow and pressure to protect the turbine from overpressure or excessive speed." As discussed in the introduction to Table 2.2-1b, "EIC Systems within the Scope of License Renewal (Bounding Approach)," all electrical and I&C commodities contained in electrical and mechanical systems are in scope by default. Table 2.2-1b provides the list of electrical systems that do not include mechanical components that meet the scoping criteria of 10 CFR 54.4. Systems (such as the TG system) with mechanical components that meet the scoping criteria of 10 CFR 54.4 are listed in Table 2.2-1a. The pressure regulator and turbine generator control system as described in UFSAR Section 7.11 is not considered a separate system and therefore is not listed in Table 2.2-1a. However, the components that perform this function are in scope as EIC components. Therefore, nuclear steam system controls are in scope for license renewal. Table 3.6.1, Item 3.6.1-13 Add the following to Item 3.6.1-13 discussion section; SBO Connections (Vernon tie cable connections) are included in this program. Please contact me if you have any questions. Mike Hamer  
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