

## SummerRAIsPEm Resource

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**From:** Gleaves, Bill  
**Sent:** Monday, February 29, 2016 10:48 AM  
**To:** SummerRAIsPEm Resource  
**Cc:** Gleaves, Bill  
**Subject:** Clarifications for V.C. Summer Units 2 & 3, LAR 15-17, "Addition of 2 Turbine Building Sump Pumps"  
**Attachments:** V.C. Summer LAR-15-17 Clarification questions on adding TB sump and pump (2-26-16).pdf

See attached.

Billy

William (Billy) Gleaves  
Lead Project Manager for  
V.C. Summer Units 2 and 3  
Licensing Branch 4

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Staff Comments relating to V.C. Summer LAR 15-17  
(Addition of Turbine Building Sump Pumps)

With regard to your license amendment request (LAR 15-17) submitted on September 30, 2015 (ML15273A115), the staff needs the following clarifications to continue the review. The staff intends to present these clarifications by conference call with SCE&G during the regular 9:00am public conference call on March 3, 2016. We expect that SCE&G will be prepared to discuss them.

1. Upon reviewing LAR 15-17, there appears to be some inconsistent or contradictory statements made. Please clarify the following:
  - a. It is unclear whether the capacity of the existing Turbine Building Sump will be increased (the second paragraph on page 4 of 9 states "it was necessary to increase the size of the sumps") and an additional sump added or whether just a second Turbine Building Sump with the same capacity of the initial sump will be added.
  - b. The subject line of LAR 15-17 states that this LAR is to add new Turbine Building Sump Pumps, yet the LAR also discusses the addition of an additional Turbine Building Sump. Please clarify why the LAR title does not mention the addition of an additional sump.
  - c. The LAR states that additional pumping capacity (in the form of an additional sump pump for the Turbine Building Sump) will be added to accommodate the additional inflow to the Turbine Building Sump from the rinsing of the condensate polishers. Verify that the second Turbine Building Sump was also added to accommodate this additional inflow from the rinsing of the condensate polishers.
  - d. State why the proposed Licensing Basis Change Description on page 4 of 9 of the LAR states that "there is more than one turbine building sump" instead of stating that there are two turbine building sumps.
2. The second paragraph on page 4 of 9 states that a departure was previously made to UFSAR Tier 2 Sections 9.2.9.2.1 and 9.2.9.2.2 (under SCE&G Revision Notice (RN) 12-039) to address the CPS rinse discharge to the main turbine building sumps and to acknowledge that the additional pumps were provided. Verify that the UFSAR changes made by this departure were to add the second Turbine Building Sump and the second pump. Verify that the changes proposed by this LAR are to revise Tier 1 to be consistent with the Tier 2 information relating to the addition of a second Turbine Building Sump and the second sump pump.
3. Describe whether the initial design only included a single Turbine Building Sump with a single pump or two Turbine Building Sumps, each having a single pump.
4. This LAR states that the reason that the second sump will be added is because the rinsing of the condensate polishers will introduce additional inflow to the main turbine

building sumps that requires additional pumping capacity. State why this expected additional flow into the sumps was not anticipated during the initial design of the sumps.

5. LAR 15-17 (p. 4 of 9) states that rinsing of condensate polishers will introduce additional inflow to the main turbine building sumps and that the “inflow from rinsing spent condensate polishers can be radioactively contaminated.” Verify if this additional source of radioactivity was considered in the original sump design and describe what effects this additional source of radioactivity in the Turbine Building Sumps will have on dose rates in areas adjacent to the Turbine Building Sumps.