

From: [Auluck, Rajender](#)  
 To: [Lee, Brian](#); [Heida, Bruce](#); [Wyman, Stephen](#); [Armstrong, Garry](#); [Roche, Kevin](#); [Scales, Kerby](#); [Parillo, John](#)  
 Subject: FW: Hatch HCVS FIP Follow-Up  
 Date: Monday, January 28, 2019 3:49:18 PM

From: Enfinger, Timothy Lee [mailto:TLENFING@SOUTHERNCO.COM]  
 Sent: Monday, January 28, 2019 2:21 PM  
 To: Auluck, Rajender <Rajender.Auluck@nrc.gov>  
 Subject: [External\_Sender] Hatch HCVS FIP Follow-Up

Hello Raj,

We have some supplemental information related to the Plant Hatch HCVS FIP for the staff's consideration. Can you provide us a ballpark timeframe for when review may be complete? Here is the supplemental information:

**Action 1: Clarification on Manual Actions**

No follow-up after discussions regarding remote manual, with battery back-up, operation.

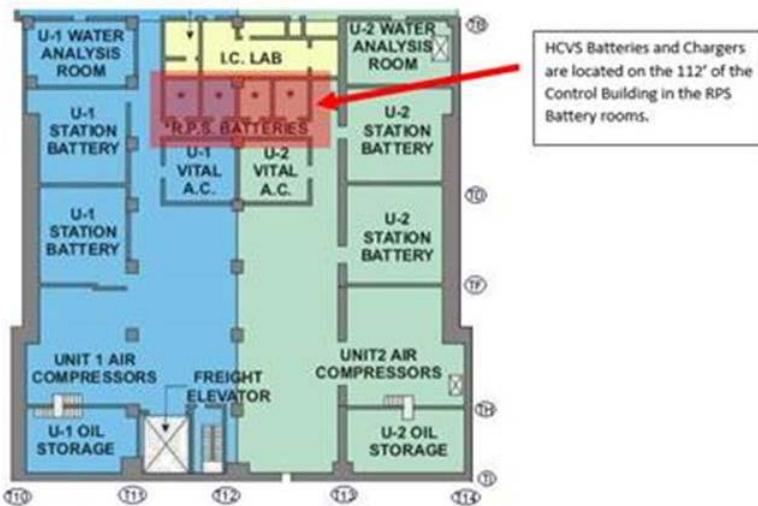
**Action 2: Additional Information for Table 1**

In regard to FIP Table 1, "List of HCVS Component, Control and Instrument Qualifications" additional information (in red text) for the HCVS effluent radiation monitor is provided here. Note that the local event temperature, local event humidity, and local radiation level are identical to those for the HCVS effluent strap-on thermocouple (applicable information repeated in table excerpt for convenience). The qualification temperature, humidity, and radiation are from SNC Document S-77683 (now loaded in the ePortal). The power supply is shown in the FIP, Attachment 3.

Component Name	Equipment ID	Range	Location	Local Event Temp	Local Event Humidity	Local Radiation Level	Qualification	Qualification Temp	Qualification Humidity	Qualification Radiation	Power Supply
<b>Wetwell Vent Instruments and Components</b>											
HCVS effluent strap-on thermocouple	1T48-N150	0-400°F	Torus Bay	218°F	50-100%	1.39+E7 RAD	IEEE 344-1975	0-500°F	No electronics, not susceptible	3.00E+08 RAD	None required
HCVS effluent radiation monitor	1T48-N152	1E-1 to 1E+5 RAD/HR	Torus Bay	218°F	50-100%	1.39+E7 RAD	IEEE 344-1975	0-350°F	0-95%	2.00E+08 RAD	1R25-S067

**Action 3: Location of HCVS Batteries and Chargers**

This diagram indicates the location of the HCVS batteries and chargers.



**Action 4: Confirmation Latest Revision of Specific Calculations/Evaluations are Provided on ePortal**

- SMNH-13-013, Sizing of Accumulator Tanks for Reliable Hardened Containment Vent System for Unit 2, is Version 1.0. Confirmed Version 1.0 is on ePortal.
- SMNH-13-019, Sizing of Nitrogen Bottles for Reliable Hardened Containment Vent System, is Version 1.0. Confirmed Version 1.0 is on ePortal.
- A-47400, FLEX Portable System Pump Sizing Evaluations for Hatch Units 1 and 2 Core Cooling Phase 2, is Version 2.0. Confirmed Version 2.0 is on ePortal.

Respectfully,

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