

8.1 Prior spray event leading to low pressure inside containment

Preliminary

May identify additional perspective on this issue as RCA related efforts proceeds

Description: The containment spray event of October, 1992 resulted in an injection of about 9400 gallons of borated water into the reactor building (RB) atmosphere. The event resulted in a decrease in RB internal pressure.

Data to be Collected and Analyzed:

1. Review problem report of October 16, 1992 and associated containment atmosphere pressure graph. (Exhibit 1)
2. Review Design bases for containment, FSAR Chapter 5. (Exhibit 2)

Verified Refuting Evidence:

The RB pressure excursion from the 1992 containment spray event did not result in the containment pressure exceeding the design criteria for the RB.

Reviewed by: Marci Cooper, 352-795-6486 , ext 1030 – PII CR3 Team Office

Verified Supporting Evidence:

P/SS

8.5 Containment depressurization due to inadequate purging operation

Preliminary

May identify additional perspective on this issue as RCA related efforts proceeds

<p>Description: It was reported by a former CR3 operator (Dave Jones) that an event occurred in the late 1980's or early 1990's during which a purge exhaust fan was operating with the inlet purge valve closed. This resulted in a vacuum in the containment building.</p>	
<p>Data to be Collected and Analyzed: Review event data, equipment information, and conduct personnel interviews if possible.</p> <ol style="list-style-type: none"> 1. Dave Jones (former CR3 operator) interview documented November 10, 2009 placed the event to the late 1980s to early 1990's. (Exhibit 1) 2. No NCR to document the event has been found. CR3 self-evaluation unit has exhausted all databases in their document search. Estimate maximum vacuum achievable with purge fan operation. (Exhibit 1, pg 1) 3. Purge fan vender manuals: VTMA 231 (Exhibit 2, pgs 2-5) 4. Make/model of the purge fan: Joy Manufacturing Model 36-26.5-1770 axial vane fan. (Exhibit 1, pgs 2-5) 5. Review containment design bases, FSAR Section 5. (Exhibit 3) 	
<p>Verified Refuting Evidence: A calculation of a postulated worse-case vacuum generated by the purge fan demonstrated that a vacuum of 1 psi is less than the design bases for containment .</p> <p>Reviewed by Dr. Patrick Berbon, 352-795-6486 ext. 1030 - PII CR3 Team Office</p>	<p>Verified Supporting Evidence:</p>

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