

NMC > Sites > Point Beach - Action Request > Corrective Actn Program (CAP) AR

Section 1

Activity Request Id: CAP055576
Activity Type: CAP Submit Date: 4/11/2004 15:03:07

One Line Description: SG manway removal/installation RMP could generate CL opening without HL vent

Detailed Description: 4/11/2004 15:03:07 - SCHWEITZER, JIM: During discussions following one of the Human Performance and Communications Time Out briefings a mechanic who was involved with the SG manway removal job asked me if the sequence of removing the manways was important. He thought it was but the procedure did not specify a sequence and when he asked about it he was told the sequence was not important. I pulled the procedure and found the following: 5.1.3 Using Attachment B, remove the following in any appropriate and reasonable order as desired.
- Hot leg manway cover removed
- Cold leg manway cover removed
- Hot leg manway diaphragm removed
- Cold leg manway diaphragm removed
For installation the procedure says the following:
5.8.4 Perform the following:
a. Install hot leg manway diaphragm
b. Install cold leg manway diaphragm
5.8.7 Perform the following:
a. Install hot leg manway cover
b. Install cold leg manway cover
There is a precaution and limitation step addressing cold leg openings
3.1.5 Hot leg vent path per OP 4F, section 6.0 is required when there is a cold leg opening of 1 square inch or greater.

Based on the way the procedure (1RMP 9007) is written it is possible to remove a cold leg manway before establishing a hot leg vent through the hot leg. Likewise during installation it is possible to close up the hot leg vent before closing the cold leg.

Initiator: SCHWEITZER, JIM Initiator Department: E Engineering PB
Date/Time of Discovery: 4/11/2004 14:28:07 Date/Time of Occurrence: 4/11/2004 14:28:07
Identified By: Site-identified System: (None)
Equipment # (1st): (None) Equipment Type (1st): (None)
Equipment # (2nd): (None) Equipment Type (2nd): (None)
Equipment # (3rd): (None) Equipment Type (3rd): (None)
Site/Unit: Point Beach - Unit 1

Why did this occur?: 4/11/2004 15:03:07 - SCHWEITZER, JIM: Procedure is not specific we rely on outage schedule and communication.

Immediate Action Taken: 4/11/2004 15:30:03 - STALZER, CHARLES: None indicated by the author.

Recommendations: 4/11/2004 15:03:07 - SCHWEITZER, JIM: Review and revise procedure to be very specific to prevent a possible human error in the field. A temp change should be made before we enter our second reduced inventory window this outage for SG manway installation.

Notify Me During Eval?: N SRO Review Required?: N

Section 2

Operability Status: NA Compensatory Actions: N

Basis for Operability: 4/11/2004 15:30:03 - STALZER, CHARLES: This is a procedure enhancement issue and does not question plant equipment operability.

Handwritten number 5-48

Unplanned TSAC Entry: N External Notification:

N

Notes/Comments**Additional Note** by OMILLIAN, MICHAEL (4/11/2004 21:46:45)

The sequencing of manways is critical and should always require the the hot leg manway be the first removed and the last manway restored to prevent the potential of a cold leg draindown in the event there is a loss of decay heat removal (DHR). The concern is that with out a hot log vent path the core upper plenum would pressurizer forcing water back-up the downcomer of the cold legs which could lead to core uncover.

In addition the diaphragms should be removed with their respective manways (i.e. hot leg diaphragm should be removed prior to removing the cold leg manway) and not left in place.