

Originator: Helms,Ralph E**Originator Phone:** 8957**Originator Group:** Maint Mechanical Mgmt**Operability Required:** Y**Supervisor Name:** T.Fox**Reportability Required:** Y**Discovered Date:** 02/27/2002 01:35**Initiated Date:** 02/27/2002 02:23**Condition Description:**

Unable to reassemble E-122B, "B" TBCCW Heat Exchanger Channel Head end due to leakage at Salt Service Water (SSW) isolation valves. Suspect MO-3805 and / or 29-HO-3833 are leaking by.

(This was problem was originally identified on 2/26/02 @0100 hrs.) First attempt on 2/26/02 @0430 hrs. appeared to stop leakage but the drain path was not checked prior to manipulations so it was unclear whether it was the valve(s) or tide level. This was during Low Tide.

No further manipulations were conducted and flow was again present at 1000 hrs. during High tide. Attempts to stop SSW leakage during the dayshift through the Low Tide were also unsuccessful.

Lost production time / manhours and increased equipment out of service time (>24 hrs.) due to this issue.

Also, if isolation is obtained during a Low Tide, reassembly will require going through two (2) additional Low Tides due to piping configuration and adequate time for reassembly of Channel Head and Cover onto E-122B.

Immediate Action Description:

Notified OPS and attempted to stop SSW flow but unsuccessful.

Re-attempt(s) to stop leakage will be performed during Low Tide.

Suggested Action Description:

NESG to review history of maintenance conducted on these valves and forward recommendation for repair / replacement of these valves.

Initiated Date: 2/27/2002 2:23**Owner Group :**Eng Sys Mgmt**Current Contact:****Current Significance:** C - CORRECTION**Closed by:** Walker,James O

4/2/2002 10:12

Summary Description:**Remarks Description:**

PR=EF E-122B 'B' TBCCW HEAT EXHANGER CHANNEL HEAD SSW MO-3805 29-HO-3833

Closure Description:

See CA#1. Close CR per CRG.

Operability Version: 1

Operability Code: ADMIN - NA

Immediate Report Code: NOT REPORTABLE

Performed By: Perry, Douglas C

02/27/2002 04:11

Approved By: Perry, Douglas C

02/27/2002 04:16

Operability Description:

Operability not applicable

Approval Comments:

Resolution should include consideration of MO-3805 IST requirements should that valve be determined to be leaking.

Version: 1

Significance Code: C - CORRECTION

Classification Code: NON-SIGNIFICANT

Owner Group: Eng Sys Mgmt

Performed By: Buckley,Patricia A

02/28/2002 12:29

Assignment Description:

Evaluate for corrective action.

Reportability Version: 1

Report Number:

Report Code: NOT REPORTABLE

Boilerplate Code: NOT REPORTABLE

Performed By : Brennion, Carl S

02/27/2002 10:13

Reportability Description:

Not reportable - This event does not meet the screening criteria of WI 3.06-01.

CA Number: 1

Group	Name
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Assigned By: CRG Mgmt

Assigned To: Eng Sys Mech Staff

Lamoureux, Joseph R

Subassigned To: Eng Sys Mech Staff

Gaedtke, Joseph R

Originated By: Buckley, Patricia A

2/28/2002 12:35:57

Performed By: Gaedtke, Joseph R

3/29/2002 13:06:28

Subperformed By:

Approved By:

Closed By: Gaedtke, Joseph R

3/29/2002 13:06:28

Current Due Date: 03/30/2002

Initial Due Date: 03/30/2002

CA Type: CORRECTIVE ACTION

Plant Constraint: NONE

CA Description:

Review the issues regarding the inability to reassemble E-122B, "B" TBCCW Heat Exchanger Channel Head end. Develop an action plan and assign required corrective actions as appropriate to address this issue.

Response:

Please review issues and assign corrective actions as required to other NESG groups, such as components, to evaluate valves to assist in development of plan.

Subresponse :

THE FOLLOWING IS A REVIEW OF ISSUES REGARDING THE INABILITY TO REASSEMBLE E-122B, "B" TBCCW HEAT EXCHANGER CHANNEL HEAD END:

Complete isolation of E-122B for maintenance was primarily affected by leakage past the seat of MO-3805 ("B" TBCCW/SSW Discharge Valve). This leakage was previously identified on 5/7/00 under MR10001079 by the SSW System Engineer during troubleshooting for macrofouling concerns of E-209A, E-209B, E-122A & E-122B Heat Exchangers. A TIC was submitted by the SSW System Engineer to recommend replacement of this valve during RFO#13. The TIC was later rejected and the valve was not replaced. The SSW System "B" Loop was drained during RFO#13 a replacement valve was on-hand and this valve could have been replaced without impacting the Outage Schedule.

MR02101255 - PERFORM 2.2.31.1, EVALUATED LEAKAGE PAST MO-3805 - This MR was closed on 1/30/02 - Leakage was found to be acceptable - Operations performing leak verification indicated by hearing a vacuum vs. experiencing a fluid leak, and determined that this leakage would not affect the isolation of E-122B for maintenance.

MR10001079 - VALVE LEAKS BY ITS SEAT - This MR was later cancelled on 1/29/02. It was cancelled due to evaluation results of MR02101255 above
CANCEL, VALVE WAS TESTED UNDER MR02101255 BY OP'S WHICH DETERMINED/VERIFIED LEAKAGE TO BE ACCEPTABLE.
B. COOLIDGE/R.W. M CCUE 01/29/2002.

MR #02104125 written on 2/28/02 to identify seat leakage and the difficulty obtaining isolations of E-122B. MO-3805 LEAKED BY IT'S SEAT WITH IT TAKEN UP TIGHT MANUALLY WITH HANDWHEEL SEAT LEAKAGE This MR has been approved by Outage Management to replace this leaking valve in RFO#14.

PM#P0000715 Scheduled for (10/20/04 due & dead) - MOV PM ON MO-3805 IAW 8.Q.3-8.1 (SMB-000). can be worked at the same time that the valve is being replaced. This task and the replacement of the valve can be worked together and the valve seat limit stops can be set with the valve out of the adjacent piping spools. This work will assist the craft in verifying that the limit stops are properly set and that the seat did not travel beyond its normally closed position.

This valve as last replaced on 11/1/94 under MR19300991. It is possible that the limit stops were improperly set and the valve disc traveled beyond its closed position. If this was the case, damage to the Rubber Lined body (seat) could have occurred. Inspection of the existing valve when it is removed should indicate this condition.

In Summary: Replacement of this valve (MO-3805) during RFO#14 should address future on-line isolations of SSW to E-122B "B" TBCCW

Leakage past this valve will not affect its safety function to go to 10% open during in an accident condition.

This CA has been presented to CRG for closure to MR02104125. CRG has approved this CA to be closed to MR02104125. No further action is required.

Closure Comments: