

Originator: CONVERTED DATA**Originator Phone:** 0**Originator Group:** CONVERTED DATA**Operability Required:** N**Supervisor Name:** CONVERTED DATA**Reportability Required:** N**Discovered Date:** 06/12/2000 00:00**Initiated Date:** 06/12/2000 00:00

Condition Description:MAINTENANCE DISCOVERED P-161C SUCTION PIPING 98 DEG ELBOW FOR C CONTINUOUS SSW HYPO
PUMP CRACKED AND LEAKING INTO BURM AREA**Immediate Action Description:****Suggested Action Description:****EQUIPMENT:**Tag NameTag Suffix Name Component Code Process System Code

27

REFERENCE ITEMS:Type CodeDescription

CONVERTED PR

PR.00.9228

TRENDING (For Reference Purposes Only):Trend TypeTrend Code

KEYWORDS

MAINT RULE

Initiated Date: 6/12/2000 0:00**Owner Group :** Maint Programs Staff**Current Contact:** SHATAS, A.**Current Significance:** C - CORRECTION**Closed by:** SHATAS, A.

6/19/2000 0:00

Summary Description:

MAINTENANCE DISCOVERED P-161C SUCTION PIPING 98 DEG ELBOW FOR C CONTINUOUS SSW HYPO
PUMP CRACKED AND LEAKING INTO BURM AREA

Remarks Description:

PR=HPI

HYPO P-161C MR10001275 PIPING CRACKED LEAKING BURM

Closure Description:

EVALUATION AND CORRECTIVE ACTION COMPLETE.

Version: 1

Significance Code: C - CORRECTION

Classification Code: NON-SIGNIFICANT

Owner Group: Maint Programs Staff

Performed By: DeTemple, Francis J

06/19/2000 00:00

Assignment Description:

CONDUCT A REWORK EVALUATION FOR THE CONCERNS IDENTIFIED BY THIS PROBLEM REPORT.
DETERMINE AND IMPLEMENT REQUIRED CORRECTIVE ACTIONS.

NOTE: "AN APPARENT CAUSE ANALYSIS SHALL BE PERFORMED IF THE EVALUATION DETERMINES THAT THIS IS A REWORK ISSUE".

CA Number: 1

Group

Name

Assigned By: Maint Programs Staff

MCALLISTER, S.

Assigned To: Maint Programs Staff

DeTemple, Francis J

Subassigned To :

Originated By: MCALLISTER, S.

6/12/2000 00:00:00

Performed By: DETEMPLE, F.

7/6/2000 00:00:00

Subperformed By:

Approved By:

Closed By: MCALLISTER, S.

7/6/2000 00:00:00

Current Due Date: 08/18/2000

Initial Due Date: 08/18/2000

CA Type: GENERAL

Plant Constraint: NONE

CA Description:

CONDUCT A REWORK EVALUATION FOR THE CONCERNS IDENTIFIED BY THIS PROBLEM REPORT.
DETERMINE AND IMPLEMENT REQUIRED CORRECTIVE ACTIONS.

NOTE: "AN APPARENT CAUSE ANALYSIS SHALL BE PERFORMED IF THE EVALUATION DETERMINES THAT
THIS IS A REWORK ISSUE".

Response:

CONVERTED DATA

Subresponse :

Closure Comments:

MEMO DETAILING THE RESULTS OF THE REVIEW AND THE CORRECTIVE ACTIONS TAKEN.

UPON COMPLETION FORWARD A COPY TO J. GAEDTKE.

PROBLEM REPORT

PROBLEM REPORT No. 00.9228.00

EVALUATION RESPONSE

1. Problem Description: Maintenance discovered P-161C suction piping 90-degree elbow for P-161C continuous SSW hypo pump cracked and leaking into burn area.

2. Apparent/Direct Cause: Over-tightening of the PVC elbow caused cracking to occur. It was noted that great difficulty was encountered during removal of the elbow.

3. Repeat Occurrence: ☐ YES ☒ NO A yes answer may require significance elevation based on nature and extent of problem

4. Equipment Performance Issues: System Number HYPO Component Number P-161C
Maintenance Rule Functional Failure: ☐ YES ☒ NO ☐ Unknown

5. Corrective Actions Completed (include Dates if possible): Elbow replaced. Work completed IAW temporary repair procedure 1.5.3.9 under MR 10001275 on 6-28-00.

6. Corrective Actions Required (If not required check "N/R") ☒ N/R

7. Trend Data for Apparent Cause (check "N/R" if analysis deals with equipment performance only) ☐ N/R

a) Inappropriate Action (IA) Description: During initial installation worker tightened the PVC elbow to tight.

IA Job Title Worker IA Group Maint IA Department Maint
ENTERGY ☒ Contractor ☐

Work Process MC Key Activity FW

O&P Failure Mechanism O-5 HEIA Failure Mechanism IM-6

Human Error Type (Circle 1): Skill Based ☐ Rule Based ☐ Knowledge Based

Procedure Number(s) N/A Event Type REW

8. The Significance should: ☐ Be Upgraded ☒ Remain the Same

If applicable, the reason for the upgraded:

Completed By: J. DETEMPLE Date: 6/30/00
☐ Evaluator/Mentor

Approved By: S. MCALISTER Date: 7/6/00
☐ Manager

[7/18/00; A. SHATAS] A COPY OF THIS EVALUATION WAS SENT TO J. GAEDTKE.

NOTE: P-161C SUCTION PIPING 90° ELBOW SHOWED EVIDENCE OF OVERTIGHTENING OF THE PVC ELBOW. DURING ELBOW REPLACEMENT, GREAT DIFFICULTY WAS ENCOUNTERED DURING UNTHREADING OF THE CRACKED PVC ELBOW. A NEW PVC ELBOW WAS INSTALLED AND TIGHTENED SUFFICIENT TO PREVENT LEAKAGE AT THE NPT CONNECTION.

THE 5-FUNCTION VALVE ON THE P-161C DISCHARGE PIPING WAS REPLACED WITH A SINGLE-FUNCTION AIR BLEED VALVE DUE TO A CRACKED INLET NIPPLE CAUSED BY INSUFFICIENT PIPING SUPPORT AND PULSE VIBRATION FROM THE POSITIVE DISPLACEMENT PUMP. ADDITIONAL SUPPORT FOR P-161A AND P-161C DISCHARGE TUBING WAS PROVIDED TO PRECLUDE PULSE VIBRATION. THE REPLACEMENT WAS

Entergy

CORRECTIVE ACTION

CR-PNP-2000-09228

MADE IAW TEMP REPAIR PROCEDURE PNPS 1.5.3.9 UNDER MR10001275.