

Problem Report 00.9228

RType G7.07

PROBLEM REPORT

PROBLEM REPORT CLOSURE SHEET

Use of this form is not required.

Closure Justification: Check one or more of the following and/or provide additional information as required:

☒ Evaluation and Corrective Action Complete

☐ See Evaluation Response

☐ See Corrective Action Response

☐ This issue will be addressed by PR# \_\_\_\_\_

☐ This issue will be/has been addressed by MR# \_\_\_\_\_

☐ Other (See below)

Trending: ☒ HPI ☐ EF ☐ No Trend

Closed By: \_\_\_\_\_

Signature

Date

PR Data Entry Completed/Captured: \_\_\_\_\_

Signature

Date

ENTER

# PR

## Integrated Action Item Database Revision Form

PR00.9228.00

Extension: 0

Date: 06/30/2000

CA

Responsible Manager: DETEMPLE, F.

Status: OPEN *close*

Group: PRODUCTION

Significance: N

Department: MP

Strategy:

Priority: y1

Sub Department:

Doc Type/Number:

**Title**

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

Rec'd Date: 06/12/2000

Due Date: 07/19/2000

Assign Date: 06/12/2000

Dead Date: 08/18/2000

Start Date: 06/19/2000

Completion Date: / /

**Action**

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.

**Closure Requirements**

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

UPON COMPLETION FORWARD A COPY TO J. GAEDTKE.

**Notes/Basis for Change(s)**

SEE ATTACHED BRAD BARRETT memo. of 6-25-00.

REWORK EVALUATION ATTACHED. F20 6-30-00  
CLOSE PR 00.9228.00

Change(s) Approved By: *[Signature]*  
Manager

Date: 7/1/00

Change(s) Accepted By: *[Signature]*  
PR Coordinator

Date: 11/7/00

**RECEIVED**

# 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 X NO A yes answer may require significance elevation based on nature and extent of problem *Search of IADB revealed no similar occurrences.*

4. Equipment Performance Issues: System Number HYP0 Component Number P-161C  
Maintenance Rule Functional Failure: YES X 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") X 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 X 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 X Remain the Same

If applicable, the reason for the upgraded:

Completed By: [Signature] Date: 6/30/00  
Evaluator/Mentor

Approved By: [Signature] Date: 7/6/00  
Manager

NEW  
NSCMA  
FIT

ENTERED

# PR

## Integrated Action Item Database Revision Form

PR00.9228.00

Extension: 0

Date: 06/28/2000

CA

Responsible Manager: DETEMPLE, F.

Status: OPEN

Group: PRODUCTION

Significance: N

Department: MP

Strategy:

Priority: 91

Sub Department:

Doc Type/Number:

**Title**

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

Rec'd Date: 06/12/2000

Due Date: 07/19/2000

Assign Date: 06/12/2000

Dead Date: 08/18/2000

Start Date: 06/19/2000

Completion Date: / /

**Action**

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"

**Closure Requirements**

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

UPON COMPLETION FORWARD A COPY TO J. GAEDTKE.

**Notes/Basis for Change(s)**☐☐**ENTERED**Change(s) Approved By: \_\_\_\_\_ Date: / /  
ManagerChange(s) Accepted By: \_\_\_\_\_ Date: / /  
PR Coordinator

P-161C suction piping 90° elbow showed evidence of over tightening 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 prove 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-161I discharge tubing was provided to preclude pulse vibration. The replacement was made IAW temp. repair procedure PNPS 1.5.3.9 under MR 10001275. B. Barnes 6-28-00

JUN 12 2000

# PROBLEM REPORT

FRGELEN REPORT No. 00. 9228

# ORIGINATOR REPORT

Originator STAN PAUL Mail Stop 4/5 Telephone Extension 8132

Date of PR 6/11/00 Time of PR 0931 CSS Review Not Required N/C (Initial)  
SS

Excitator's Best OPS Group OPS

If this problem occurred at a date and time other than above, provide the following:

Date of Problem                      Time of Problem same

### Describe Problem and How Found.

MAINTENANCE DISCOVERED P-H/E SUCTON PIPING 90° ELBOW FOR  
CONDUITS 3/4" HYD. PUMP CRACKED AND LEAKING INTO  
BURN AREA

Procedure Number: 100 *40*

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442000

Describe any corrective actions which have been taken as a result of this finding.

OUTSIDE TOUR OPERATOR WAS DISARMED, HIT WITH BANG P-41C  
AND ISOLATED THE HYPO WARR.

THE BURNING AREA WAS CLEANED UP BY STATION SERVICES

### ADDITIONAL INFORMATION

System Name HYPERCLINATION System Number 423.2

Component Equipment Name: ESSW Component Equipment Name: P-161C

Has a Work Request Tag/Maintenance Request been? YES/NO NE TAMP# 147 857216 147 10041275

Radiochemical Problem? YES NO Maintenance Type Failure? YES NO UNKNOWN

●

*[Faint mirrored bleed-through from reverse side]*

The following will be used for future marketing. For all information, please call 1-800-852-8888.

[illegible]

Full Name: \_\_\_\_\_ Contract: \_\_\_\_\_ Property Address: \_\_\_\_\_

Approved: \_\_\_\_\_ Date: \_\_\_\_\_

125 3 Programme Failure Mode \_\_\_\_\_ 126 Failure Mode \_\_\_\_\_

100-443886-1000

**ORIGINAL**

Problem Report 00.9228

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## PROBLEM REPORT

**OPERATIONS REVIEW**

All sections of this Attachment are required to be filled out. If the required information is not required (N/R), not performed (N/P), or unknown, it shall be indicated as such.

1. Plant Conditions

Reactor Mode RUN Reactor Power 100%  
 Moderator Temperature (if shutdown) N/R RPV Level (if shutdown) N/R  
 Other Pertinent Information None

2. Operability Evaluation - Safety Related Equipment only (enter "N/P" if not safety related)

- a. System status prior to discovery of problem Operable Inoperable  
 If inoperable, why? \_\_\_\_\_
- b. Nature of Problem  
 \_\_\_\_\_ Hardware nonconforming condition (equipment is not configured according to design documents)  
 \_\_\_\_\_ Hardware degraded condition (equipment is according to design but is degraded or failed)  
 \_\_\_\_\_ Other Explain: \_\_\_\_\_

- c. Does this problem in and of itself make the system, structure, or component inoperable? Provide Operability Evaluation number, if applicable. CE# \_\_\_\_\_

- (1) Structure or Component Operable Inoperable  
 Basis for operability (not required if inoperable): \_\_\_\_\_

- (2) System Operable Inoperable  
 Basis for operability (not required if inoperable): \_\_\_\_\_

- d. If the answer to c(1) or c(2) is inoperable, then add this Problem Report number to the appropriate LCO (Active or Tracking).  
 LCO number \_\_\_\_\_

3. Availability Evaluation - Non-Safety Related Equipment only (enter "N/P" if Safety Related)

Description of how Problem affects plant operation Loss of confinement  
When "allow" branch is taken to add gas to SD pipe,  
this could result in challenging SD flow to RBC  
and Discard Heat Exchanger

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4. Reliability (ENS Notifications in accordance with 10CFR50.72/20)

Note: The CSS is encouraged to seek support from Engineering and Regulatory and Industry Affairs Department personnel, as applicable, to answer questions a through c, below.

- a. Are compensatory actions required to maintain operability? ☐ Yes ☒ No
- b. Will significant analysis be required to back up engineering judgments in the operability evaluation? ☐ Yes ☒ No
- c. Does this issue/problem involve a deviation from the transient or accident analyses in Chapter 14 of the FSAR? ☐ Yes ☒ No

If the answer to any of the above questions is Yes, then a 1 hour notification in accordance with PNPS 1.3.12 Attachment 2 Event 3 (10CFR50.72(b)(i)(ii), "Any event or condition during operation that results in the condition of the plant, including its principal barriers, being seriously degraded...") is most likely required.

If the answer to all of the above questions is No, then PNPS 1.3.12 and PNPS 1.3.12 Attachment 2 must still be reviewed to determine whether any other notifications are required.

If notifications are required, then fill out Section 5. If no notifications are required, then write "N/P" for Section 5 and continue with Section 6.

5. Made Notifications (see applicable Station Procedure)

Person/Agency Time Limit (circle action taken)  
Person Contacted/Time

☐ Plant Mgr 24 hr 4 hr 1 hr

☐ NRC via ENSI 24 hr 4 hr 1 hr

☐ Reg & Ind Affairs Sect

☐ Operations Manager

☐ NRC Resident Inspector

☐ Other, specify \_\_\_\_\_

☐ Applicable section of 10CFR50.72 specify \_\_\_\_\_

6. Describe Immediate Corrective Action

a. System = 27

b. Procedure # \_\_\_\_\_

c. NE = NE = 1000/211

d. ECC = \_\_\_\_\_

e. Tech Specs # \_\_\_\_\_

f. Tagout = \_\_\_\_\_

7. Describe other Corrective Actions required (if known)

The Pump Room overfilled into the High Temp Room Room.  
There is approximately 1" of liquid on North End of Tank  
Room. This needs to be decontaminated.

8. CSS Signature Eve Cho

Date 4/11/00

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## PROBLEM REPORT

## SCREENING REVIEW

**It is not a Procedure requirement to use this form.**

1.      N/A      Significance:       
     SCAQ           Non-SCAQ

Plant Manager Present      Yes      ☒ No

(if NO and PR is determined to be a SCAQ, then complete Attachment 11 of PNPS 1.3.121)

2.      N/A Recommendation:       
  ✓   Accept      Reject      Incorporate into PR AI #

- a. Reactivity Management Event? ☐ Yes ☒ No
- b. Equipment ☒ Nonequipment ☐ Event

- | 3. <u>    </u> N/A | Disposition:                  | Assigned Owner                  |
|--------------------|-------------------------------|---------------------------------|
| <u>    </u>        | Critique                      |                                 |
| <u>    </u>        | RCA                           |                                 |
| <u>    </u>        | Apparent Cause                |                                 |
| <u>    </u>        | Direct Cause                  |                                 |
| <u>    </u>        | Corrective Action             | <u>① Substation Maintenance</u> |
| <u>    </u>        | Close: [ ] to Trend [ ] other | <u>② J. Gaudin - Eval</u>       |
| <u>    </u>        | 10CFR21 Applicability Review  |                                 |
| <u>    </u>        | 10CFR50.73 or 70.52 Review    |                                 |
| <u>    </u>        | NUCLEAR NETWORK               |                                 |

4. Approved: [Signature] Date: 6/12/2008  
PR Screening Team Chairman

## REMARKS/COMMENTS

REMARKS/COMMENTS: CC: T. M<sup>E</sup> Elhannay  
clean up has been performed and  
will be monitored for continuous  
cleaning.