

FirstEnergy

ENGINEERING CHANGE REQUEST

ECR No. 02-805-00
Page 1 of 3

NOP-CC-2003-01 Rev. 01

BV1

BV2

DB

PY

INITIATION

Statement of Problem

While disassembled for maintenance, RCPs P36-1 and P36-2 were discovered to have a previously undocumented recessed machine surface on the pump case. This machined surface was most likely cut during the original machining operation of the pump case. A review of the Byron Jackson fabrication records has been unable to confirm this.

The additional machined recess requires that the pump cover outside diameter be smaller than the outside diameter of the machined recess on the case. The measured diameter of both pump covers is 49.50 inches. P36-1 case recess outside diameter measures 49.34 inches and P36-2 measures 49.50 inches.

This dimensional stack-up will lead to an improper fit on the P36-1 pump and a potential for an improper fit on P36-2, which could cause inadequate gasket compression and eventual joint leakage.

Proposed Change (Description, Purpose, Scope)

Enlarge Reactor Coolant Pump 1-1 and 1-2 covers' existing (0.015 inch x 45 degree) chamfer to 0.10 inch x 45 degree to ensure proper cover to case fit per the vendor (FlowServe) recommendations.

This will ensure proper fit between the pump cover and case (i.e metal to metal joint design).

System/Asset Numbers
064-03

Initiating Document
CR 02-09674

Initiator (Print Name & Sign)
Steve Roe

Phone
2455

Date
11/27/02

Initiator's Supervisor (Print Name & Sign)
James Marley

Date
11/27/02

ENGINEERING REVIEW

ACCEPTED

REJECTED (Provide Justification)

ADMINISTRATIVE DOCUMENT-ONLY CHANGE (Attach sheets as necessary)

INFORMAL CHANGE (Provide direction or attach sheets as necessary)

Work Order No. 02-4137-42
02-4138-28

SEE INSTALLATION AND TEST REQUIREMENTS SHEETS

Admin Document-Only or Informal Change Prepared by (Print Name & Sign)
T. E. HISS

Date
11/28/02

Commercial Change

Document-Only Change

Equivalent Change

Design Change

Equivalent Design

Preliminary Cost Estimate *N/A*

PRC Approval Required? Yes No

At-Risk Change? Yes No

Assigned to: Responsible Engineer

Project Owner

Initiation Team Leader

Engineering Supervisor (Print Name & Sign)
A.G. MIGAS

Date
11/28/02

Begin Engineering Change Package prior to PRC approval.
(Design Engineering Manager approval required)

Design Engineering Manager (Print Name & Sign)
N/A

Date

AM

293 3010

FirstEnergy

ENGINEERING CHANGE REQUEST

Page 2 of 3
EER No. 02-0805-00

NOP-CC-2003-01 Rev. 01

INITIATION TEAM REVIEW

REJECTED (Provide Justification)

APPROVED

Recommended Priority

Recommended Cycle

Estimated Cost

Initiation Team Leader (Print Name & Sign)

Date

BUDGET (Design Changes Only)

(Required if PRC approval is not required)

APPROVED

REJECTED (Provide Justification)

Design Engineering Manager (Print Name & Sign)

Date

APPROVED

REJECTED (Provide Justification)

Maintenance Manager (Print Name & Sign)

Date

PROJECT REVIEW COMMITTEE

Conceptual Design Required Yes No

If yes, PRC chairperson (Print Name & Sign)

Date

APPROVED

PRC Chairperson (Print Name & Sign)

Date

REJECTED (Provide Justification)

PRC Chairperson (Print Name & Sign)

Date

Accounting Work Order No.

Cost Code