PPPL NONCONFORMANCE REPORT NO: 3656 Open Date 06/08/06

Status 9 - Closed NCR **Trend** 01-Deviation From Doc/Proc

Department NCSX **Division** NCSX Project

Source/Org VENDOR

Item Dwg/Part# NCSX-CSPEC-141-03-11 **Procurement #** D-NCSX-MCF-001 R3 **Cost Center** 9450 1*** 1404

RAP# 3209 **Job Doc #** S005242-F **Vendor** Energy Industries of Ohio

RAP Title NCSX - Modular Coil Winding Forms

☐ HoldTag Applied

Nonconforming Condition (include requirement(s) violated):

MCWF-A1, During the magnetic permeability verification of the NCSX A! modular coil winding form a total of twenty (20) areas were found to exhibit a permeability above the maximum allowed. NCSX-CSPEC-141-03-11 paragraph 3.1.1.5.1 states "the local relative magnetic permeability of any point in the winding form (including base metal and weld repairs) shall not exceed 1.02." All of these areas found are on the as cast surface and appear to fit into one of three characterizations below.

1. Oxidized, rusted appearance in the form of a scrape or a ding, see areas 1, 2.
2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 4, 6, 14.
3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 3, 19.

Representative pictures are attached.

Lot Size Recd 0 **Sample Size Insp** 0 ☐ Lot Rejected **# Rejected** 0

Reported By Phelps C **Validated By** Malinowski F **Validated Date** 06/07/06

Disposition: Rework*__ Repair*__ Use As Is*__ Return To Vendor*__ Scrap*___ **Rework**

These higher permeability areas will be handled by surface grinding to remove the questionable material. Areas will then be rechecked to verify acceptable reading.

For rework or repair of vendor supplied equipments, fill in information below:

#Hours _____ **$Est Labor** _____ **$G&A** _____

$Material _____ **$Burden** _____ **$Total** _____

Disposition By Chrzanowski J **Date** 09/06/06

Supervisor's Concur Nelson B E **Date** 09/06/06

Eng. Dept. Head Concur WIlliams M **Date** 09/07/06

WCO/Other N/A **Date** _____

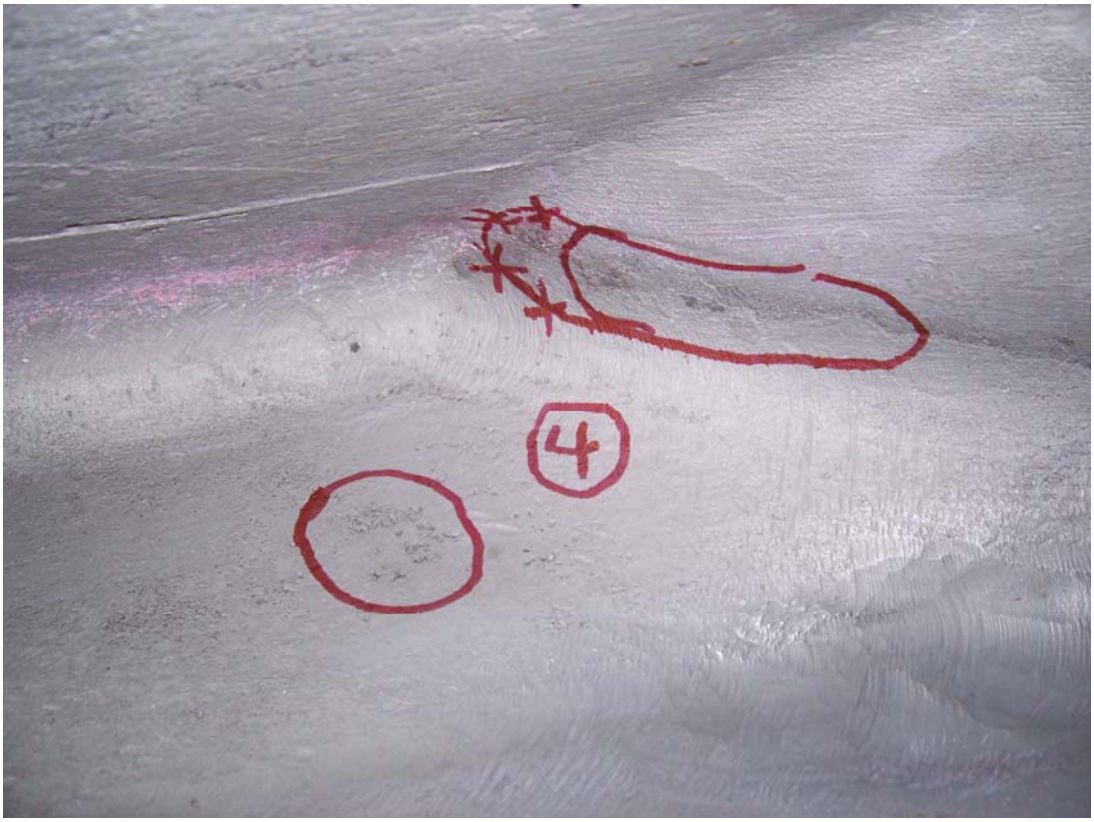
PQA/QC Mgr Dispos Concur Boscoe J **Date** 09/11/06

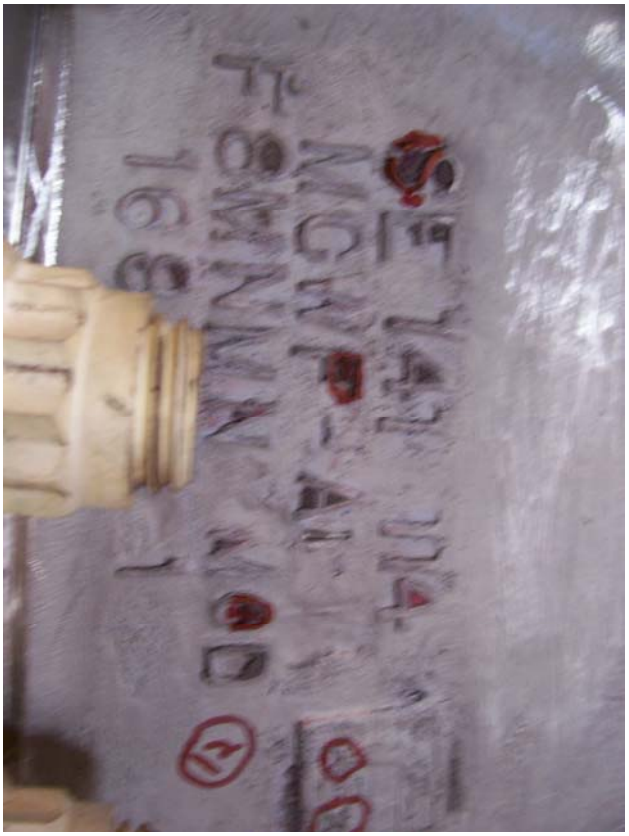
QC Field Verification By Phelps C **Date** 09/12/06

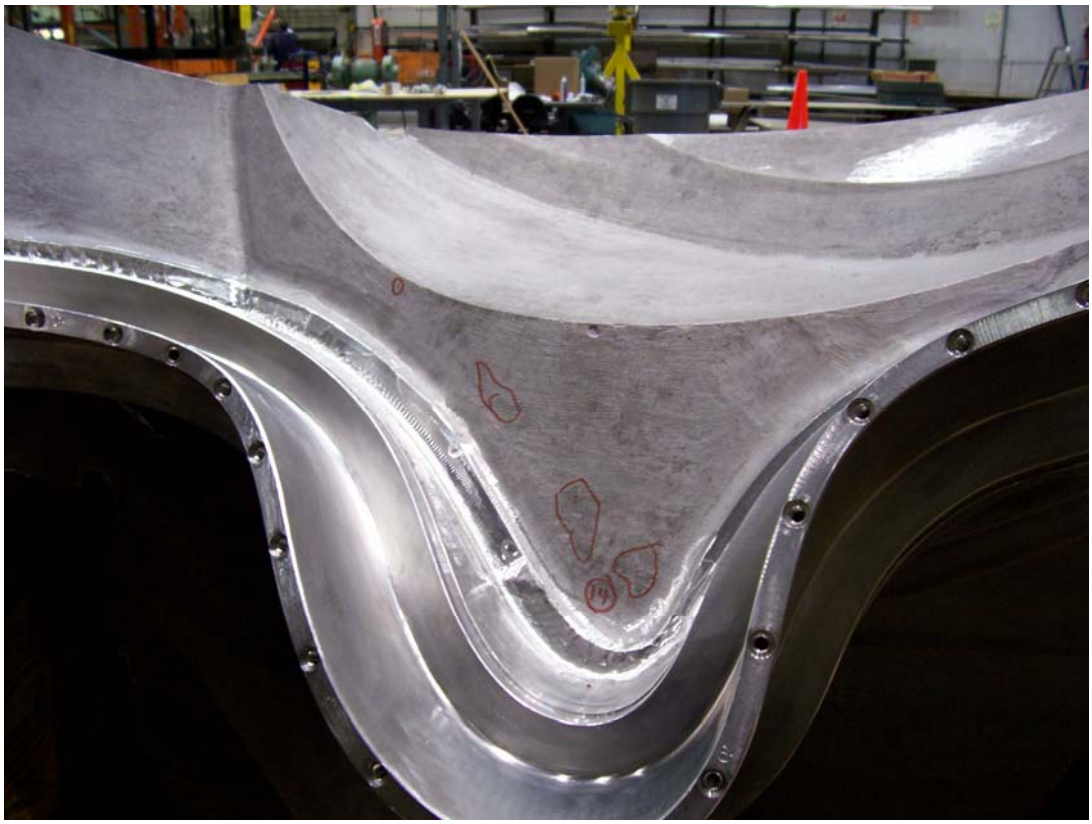
Distribution

Cog Heitzenroeder P
Insp Phelps C
Proj. Doc Control (when closed)
QC Files
Malsbury J
Boscoe J
Chrzanowski J
Sutton L
Malinowski F
Reiersen W
Nelson B
Williams M
Lumberger J
Tyrrell M

Representative areas of high magnetic permeability on the A1 MCWF.





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