

PPPL NONCONFORMANCE REPORT NO: 3650 **Open Date 05/02/06**

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				
<input type="checkbox"/> HoldTag Applied					

Nonconforming Condition (include requirement(s) violated):

MCWF-C5, During the magnetic permeability verification of the NCSX C5 modular coil winding form a total of twenty nine (29) 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 mu." 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, 5, 6, 7, 11, 20.
2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 3, 4, 14, 15, 16, 17, 29.
3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 8, 13, 18, 27.

This casting did not exhibit the shiny scrap like marks as observed on the C4 casting.

See attached pictures for details.

Lot Size Recd	0	Sample Size Insp	0	<input type="checkbox"/> Lot Rejected	# Rejected	0
Reported By	Phelps C	Validated By	Malinowski F	Validated Date	05/02/06	

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

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	05/04/06
Supervisor's Concur	Dudek L	Date	05/26/06
Eng. Dept. Head Concur	Williams M	Date	05/26/06
WCO/Other	N/A	Date	_____

PQA/QC Mgr Dispos Concur	Boscoe J	Date	05/30/06
QC Field Verification By	Phelps C	Date	05/30/06

Distribution

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