

**PPPL NONCONFORMANCE REPORT NO: 3661**      **Open Date 07/05/06**

<b>Status</b>	5 - Corrective Action Needed		<b>Trend</b>	01-Deviation From Doc/Proc	
<b>Department</b>	NCSX		<b>Division</b>	NCSX Project	
<b>Source/Org</b>	VENDOR				
<b>Item Dwg/Part#</b>	D-NCSX-MCF-001 Rev. 03	<b>Procurement #</b>	S005242-F	<b>Cost Center</b>	9450 1*** 1404
<b>RAP#</b>	3209	<b>Job Doc #</b>	S005242-F	<b>Vendor</b>	Energy Industries of Ohio
<b>RAP Title</b>	NCSX - Modular Coil Winding Forms				

HoldTag Applied

**Nonconforming Condition (include requirement(s) violated):**

MCWF-A2, During the magnetic permeability verification of the NCSX C5 modular coil winding form a total of nineteen (19) 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 2b "ID of hole".
2. Dark areas that have the appearance of lead or dark substance smeared on the surface, see areas 1, 11, 12, 13, 14, 15, 16, 18.
3. Pock mark impressions in the as cast surface with no distinct color variation, see areas 4, 5, 6, 7, 8, 9, 17.

<b>Lot Size Recd</b>	0	<b>Sample Size Insp</b>	0	<input type="checkbox"/> Lot Rejected	<b># Rejected</b>	0
<b>Reported By</b>	Phelps C	<b>Validated By</b>	Boscoe J	<b>Validated Date</b>	07/05/06	

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

The indicated areas will be ground to remove the high permeability contamination and re-tested. Jim Chrzanowski will coordinate this work.

<b>For rework or repair of vendor supplied equipments, fill in information below:</b>				<b>Distribution</b>	
<b>#Hours</b>	_____	<b>\$Est Labor</b>	_____	<b>\$G&amp;A</b>	_____
<b>\$Material</b>	_____	<b>\$Burden</b>	_____	<b>\$Total</b>	\$850
<b>Disposition By</b>	Heitzenroeder P	<b>Date</b>	07/06/06		
<b>Supervisor's Concur</b>	Nelson B	<b>Date</b>	07/06/06		
<b>Eng. Dept. Head Concur</b>	Williams M	<b>Date</b>	07/06/06		
<b>WCO/Other</b>	N/A	<b>Date</b>	_____		
<b>PQA/QC Mgr Dispos Concur</b>	Boscoe J	<b>Date</b>	07/10/06		
<b>QC Field Verification By</b>	_____	<b>Date</b>	_____		
				<b>Cog</b> Heitzenroeder P <b>Insp</b> Phelps C Proj. Doc Control (when closed)  QC Files Malsbury J Boscoe J Chrzanowski J Heitzenroeder P Sutton L Lumberger J Reiersen W Nelson B Williams M Malinowski F	

<b>Status</b>	2 - Disposition Needed		<b>Trend</b>	01-Deviation From Doc/Proc	
<b>Department</b>	NCSX		<b>Division</b>	NCSX Project	
<b>Source/Org</b>	VENDOR				
<b>Item Dwg/Part#</b>	D-NCSX-MCF-001 Rev. 03	<b>Procurement #</b>	S005242-F	<b>Cost Center</b>	9450 1*** 1404
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<b>Lot Size Recd</b>	0	<b>Sample Size Insp</b>	0	<input type="checkbox"/> Lot Rejected	<b># Rejected</b>	0
<b>Reported By</b>	Phelps C	<b>Validated By</b>	Boscoe J	<b>Validated Date</b>	07/05/06	

~~Disposition: Rework\* \_\_ Repair\* \_\_ Use As Is\* \_\_ Return To Vendor\* \_\_ Scrap\* \_\_~~

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

<b>#Hours</b>	_____	<b>\$Est Labor</b>	_____	<b>\$G&amp;A</b>	_____
<b>\$Material</b>	_____	<b>\$Burden</b>	_____	<b>\$Total</b>	_____
<b>Disposition By</b>	_____	<b>Date</b>	_____		
<b>Supervisor's Concur</b>	_____	<b>Date</b>	_____		
<b>Eng. Dept. Head Concur</b>	_____	<b>Date</b>	_____		
<b>WCO/Other</b>	_____	<b>Date</b>	_____		
<b>PQA/QC Mgr Dispos Concur</b>	_____	<b>Date</b>	_____		
<b>QC Field Verification By</b>	_____	<b>Date</b>	_____		

**Distribution**

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

Disposition: Rework\_\_\_ Repair \_\_\_ Use As Is\_\_\_ Return to Vendor\_\_\_ Scrap\_\_\_

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

# Hours \_\_\_\_\_ \$ Est Labor \_\_\_\_\_ \$ G&A \_\_\_\_\_  
\$ Material \_\_\_\_\_ \$ Burden \_\_\_\_\_ \$ Total \_\_\_\_\_

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Disposition by \_\_\_\_\_

Supervisor's Concurrence \_\_\_\_\_

Eng. Dept. Head Concurrence \_\_\_\_\_

Other (i.e., WCO/FPE) Concurrence \_\_\_\_\_

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PQA/QC Mgr Disposition Concurrence \_\_\_\_\_

QA Field Verification by \_\_\_\_\_

A2 permeability pictures













