PPPL NONCO	NFORMAN	CE REPORT	NO: 3639	Open D	ate 03/21/06	Rev #: 2 , 4/16/2007
Status	2 - Dispositi	ion Needed		Trend	01-Deviation Fro	m Doc/Proc
Department	NCSX			Division	WBS 114	
Source/Org	FABRICATIO	N, OPERATIONS &	MAINTENANCE			
Item Dwg/Part#	SE142C-270	Rev. 0	Procurement #	ŧ		Cost Center
RAP# 3234	_ Job Doc #	D-NCSX-MCF	Vendor	VARIOUS		
RAP Title Modul	ar Coil Fabrica	tion - Post VPI Act	ivities			
🗌 HoldTag Ap	plied					
Nonconforming	Condition (i	include require	ment(s) violated)-		
					olies exhibit a mag	netic permeability higher than the
maximum allowed p	er NCSX-ASPE	C-GRD-03 paragra	aph 3.3.1.1 (perme	ability shall r	-	See NCR 3634 for list of additional
final winding clamp PART #s 3 AND 6	•	0				
FART #53 AND 0		ED FOR DETAILS.)				
The following parts		•				
PART #9 (SEE ATT	ACHED FOR D	ETAILS.)				
REV 1: ADDITIONA						
REV 2: Final windin	g clamp assem	bly redsigned, see	e attachment for rev	vision details	. Also see NCR 363	34 as it deals with this same issue.
Lot Size Recd	0	Sample Size	Insp 0		Lot Rejected	# Rejected 0
Reported By	Phelps C	Valio	dated By Bosc	oe J	Vali	dated Date 04/16/07
					*	
Awaiting test results from outside laboratory to determine whether the permeability of the 316ss parts can be used as is without further work.						
		Please us	se p. 2 for disp	osition an	d approvals.	
For rework or repai	ir of vendor s	upplied equipme	nts, fill in informat	tion below:		Distribution
#Hours				\$G&A		Cog J. Chrzanowski
		\$Est Labor				Insp <u>C. Phelps</u>
\$Material	\searrow	\$Burden	9	Total		Proj. Doc Control (when
Disposition By		<			Date	Closed)
				- <u></u> -		Malsbury J
Supervisor's Co	ncur				Date	Boscoe J
Eng. Dept. Head	Concur		\times	I	Date	T. Meighan Dudek L
WCO/Other				I	Date	Williams M
	/					Tyrrell M
PQA/QC Mgr Dis	-				Date	
QC Field Verifica	ation By				Date	

Disposition:	Rework	Repair	Use As Is	Return to Vendor	Scrap	
For rework or	repair of vend	lor supplied e	quipment, fill in	information below:		
# Hour	'S	\$ Est Lab	or	\$ G&A		
\$ Mate	rial	\$ Burden		\$ Total		
Disposition b	у					
Supervisor's	Concurrence					
Eng. Dept. He	ad Concurren	ce				
Other (i.e., W	CO/FPE) Conc	urrence				
PQA/QC Mgr	Disposition Co	oncurrence				
QA Field Veri	fication by					
					p. 2	

NCR 3639 ATTACHMENT, R2 (p. 1 of 1)

The following additional parts for the NCSX modular coil final winding clamp assemblies exhibit a magnetic Permeability higher than the maximum allowed per NCSX-ASPEC-GRD-03 paragraph 3.3.1.1 (permeability shall not exceed 1.02). See NCR 3634 for a list of additional final winding clamp parts that are over the magnetic permeability limit.

<u>Part #</u> 3	<u>Part Type</u> Bushing Spacer (silver plated 316)	<u>Quantity</u> 805	<u>Sample Size</u> 30	<u>Results</u> (5) >1.06, <1.08 (23) >1.08, <1.09 (2) >1.09, <1.10
6	Keeper Screw (silver plated 316)	1756	40	(21) >1.02, <1.03 (7) >1.03, <1.04
	-	1464	80	(4) <1.02 (36) >1.02, <1.03
		(2nd shipment)		(24) >1.03, <1.04 (14) >1.04, <1.05
		· -		(1) >1.05, <1.06
The followin	g parts were found to be	acceptable:		

<u>Part #</u> 9	<u>Part Type</u> Flat Washer (316)	<u>Quantity</u> 1980	<u>Sample Size</u> 40	<u>Results</u> (40) <1.02

REV 2: The final winding clamp has been redesigned requiring new Part 3, the new shipment of Part 3 are below 1.02 Mu (see sampling results below). Part 6 remains unchanged and cannot be annealed due to the silver plating. See results above and NCR 3634 for additional permeability readings on the balance of Part 6.

Part #	Part Type	Quantity	Sample Size	Results
New - 3	Bushing Spacer	910	72	(72) <1.02 Mu