

PPPL NONCONFORMANCE REPORT NO: 3753 **Open Date** 03/27/08

Status 2 - ~~Disposition Needed~~ 9 - Closed **Trend** 07-Out Of Tolerance

Department NCSX **Division** Construction

Source/Org Fab, Ops and Maint

Item Dwg/Part# Coil A1 **Procurement #** D-NCSX-FPA-002

Cost Center _____ **WBS/Other** WBS 185

RAP# 3317 **Job Doc #** D-NCSX-FPA-002 **Vendor** _____

RAP Title Field Period Assembly Station Two

HoldTag Applied

Nonconforming Condition (include requirement(s) violated):

The weld for the AB2 shim to the A1 Coil has isolated spots of >1.04 mu <1.05 mu at the toe of the weld (edge of weld bead) on the side to the TP316 stainless shim. The magnetic permeability is required by the step 8.1.16 acceptance criteria in Appendix A to be <1.02 mu.

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

Reported By Boscoe J **Validated By** Malsbury J Judy Malsbury **Validated Date** 03/28/08

Distribution **Cog** M. Viola **Insp** J. Boscoe

Proj. Doc Control (when closed) QC Files Malsbury J Boscoe J

J. Edwards L. Dudek Williams M Tyrrell M Simmons B Ellis R Chrzanowski J Heitzenroeder P

Disposition: Rework___ Repair___ Use As Is X Return to Vendor___ Scrap___

A. Brooks email to M. Viola dated 3/28/08, "Based on some earlier investigations anticipating the weld permeability may be high (see email to Phil appended), the NCR 3753 is acceptable as-is. We found we could tolerate permeability throughout the weld as high as 1.2 without exceeding our single incidence goal to limit field errors to 0.1 G at the plasma. For isolated regions (<10% of volume) we could tolerate permeability as high as 2.0 while meeting that goal."

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

Hours _____ \$ Est Labor _____ \$ G&A _____
\$ Material _____ \$ Burden _____ \$ Total _____

Disposition by Mike White 4/3/08
Supervisor's Concurrence [Signature] 4/3/08
Eng. Dept. Head Concurrence [Signature] 4/3/08
Other (i.e., WCO/FPE) Concurrence N/A

PQA/QC Mgr Disposition Concurrence John E. Boocoe
QA Field Verification by N/A (LY 4/4/08)