

PPPL NONCONFORMANCE REPORT NO: 3652 **Open Date 05/04/06**

| | | | | | |
|--|--|----------------------|-------------------|---------------------|--|
| Status | 9 - Closed NCR | | Trend | 07-Out Of Tolerance | |
| Department | NCSX | | Division | NCSX Project | |
| Source/Org | FABRICATION, OPERATIONS & MAINTENANCE | | | | |
| Item Dwg/Part# | SE141-123 R0 / Pt. #12 | Procurement # | D-NCSX-MCF-001-02 | Cost Center | |
| RAP# | 3207 | Job Doc # | D-NCSX-MCF-001 | Vendor | |
| RAP Title | Modular Coil Fabrication - Winding Form Preparation Activities | | | | |
| <input type="checkbox"/> HoldTag Applied | | | | | |

Nonconforming Condition (include requirement(s) violated):

MCWF-C2, The two lead block adjustment studs (SE141-123 R0 / Pt. #12) for the NCSX C2 modular coil exhibit a magnetic permeability above the maximum allowed by NCSX-ASPEC-GRD-04 paragraph 3.3.1.1, maximum of 1.02 mu. These studs are permanent and the measurements were taken after welding.
Both studs measured >1.02, <1.03 mu.

| | | | | | | |
|----------------------|----------|-------------------------|----------|---------------------------------------|-------------------|---|
| Lot Size Recd | 0 | Sample Size Insp | 0 | <input type="checkbox"/> Lot Rejected | # Rejected | 0 |
| Reported By | Phelps C | Validated By | Boscoe J | Validated Date | 05/04/06 | |

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

Weld studs are locked in position and cannot be removed. Magnetic permeability of studs are barely over acceptable limit [<1.03 mu]. The future modular coils starting with A1 will use inconel studs, eliminating this problem.

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 | 05/26/06 |
| 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 | 05/31/06 |
| QC Field Verification By | N/A | Date | _____ |

Distribution

Cog J. Chrzanowski
Insp Phelps/Boscoe
 Proj. Doc Control (when closed)
 QC Files
 Malsbury J
 Boscoe J
 T. Meighan
 Dudek L
 Reiersen W
 Tyrrell M
 Williams M
 Heitzenroeder P