



Corrective Action 1536  
Carondelet Division  
Corrective Action Type NCR  
Date 1-13-06  
CA Originator C. Ruud  
Applies to: A-3, A-4, A-5 and C-6 Coil

**Description of Defect / Non-Conformance**

Manganese levels in material produced for A-3 and C-6 coil castings exceed specification limits in PPPL Specification NCSX-CSPEC-141-03-07 Rev 10. Manganese is 0.1% over the maximum of 2.8% for both parts.

**Root Cause**

Mt has aimed at the higher end of the range for manganese to assure the chemistry is correct in the casting. However the manganese did not fade as much as expected.

**Corrective Action**

Lower the aim to 2.9%.

**Verification of Corrective Action**

Chemistry analysis of coil chemistries for A-4 and 5 indicated that we are still 0.1% high. Therefore they have been added to this corrective action. Based on this result we will lower aim to 2.8%.

**Preventive Action**

The specification for manganese should be increased.

**Verification of Preventative Action**

Pending

**Estimated Completion Date**

TBD

**Actual Completion Date**

TBD

Signed: C. Ruud

A handwritten signature in black ink, appearing to be "C. Ruud", followed by a horizontal line.

CC: R. Broman, B. Craig, J. Edwards, E.J. Kubick, J. Markham, J. Galaske