COGNIZANT INDIVIDUAL: Tom Bown

ECN TITLE: Ball Alignment Assembly, Ball and Stud Assembly

ASSOCIATED ECP: None

CC/WP/Job: 9450 1* 1803**   **AREA OR PROJECT: NCSX**

LIMITATION OF SCOPE - NOTE: A Work Planning Form is NOT required if the total change to be accomplished (ENG-032):

- Is not large or complex or does not represent a new installation into a usable space
- Does not have a significant ES&H impact
- Does not involve tritium or other radioactive contaminated or activated equipment
- Does not impact multiple projects, systems, or groups

OR does not change the scope or intent of the original design.

Responsible Line Manager CONCURRENCE: _____
(Signature indicates that no Work Planning form is required.)

If non-concurrence or associated with a work planning form, enter the WP Number: 1249

DRAWING(S) AFFECTED NUMBER:	NEW Revision	TITLE
Se1851-173	1	Mod Coils, Ball Align't Assy, Outer Alignment Washer
Se1851-174	1	Mod Coils, Ball Align't Assy, Inner Alignment Washer
se1851-175	1	Mod. Coils, Ball Align't Assy, Ball and Stud Assy
Continued on Back		

DESCRIPTION OF CHANGE: (State Drawing No., Zone/Group, or List Attachments)
1. Material revised from ASTM A108 to 316 S/S in -175
2. Revised threaded seat to press fit with braze in -175
3. Increased spring pin diameter holes to .1285 (30 drill) to accommodate standard pin and revised part and insert hole size accordingly (-173, zone B8, C6, D6 and -174 zone B6, D10 and E6)
4. Change edge radius to undercut to insure proper assembly fit-up in -173 (zone F12) and -174 (zone E9)

PPPL ENGINEERING CHANGE NOTICE (ECN)   ECN # 5008

REASON FOR CHANGE:

1. ASTM A108 subject to cracking if welded
2. Revised seat to improve accuracy
3. Pin holes were too small to accommodate standard pins.
4. Added undercut to improve assembly fit-up

ENGINEERING CHANGE PROPOSAL: None   DATE: 7/19/2005

COGNIZANT INDIVIDUAL MAKING THE CHANGE:
T. Brown

RESONSIBLE LINE MANAGER:
B. Nelson