

**PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5105**

<b>COGNIZANT INDIVIDUAL:</b>	D. Williamson
<b>ECN TITLE:</b>	<b>MATERIAL CHANGE FOR MCWF BEARING PLATES</b>
<b>ASSOCIATED ECP:</b>	None
<b>CC/WP/Job:</b>	<b>1403</b>
<b>AREA OR PROJECT:</b>	<b>NCSX</b>

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:

<b>DRAWING(S) AFFECTED NUMBER:</b>	<b>NEW Revision</b>	<b>TITLE</b>
SE141-137	2	TYPE-C SHORT BEARING PLATE DETAIL
SE141-138	2	TYPE-C LONG BEARING PLATE DETAIL
SE141-139	1	TYPE-B SHORT BEARING PLATE DETAIL
SE141-140	1	TYPE-B LONG BEARING PLATE DETAIL
SE141-141	1	TYPE-A SHORT BEARING PLATE DETAIL
SE141-142	1	TYPE-A LONG BEARING PLATE DETAIL
SE141-114	7	PRODUCTION WINDING FORM TYPE-A
<b>Continued on Back</b>		

<p><b>DESCRIPTION OF CHANGE:</b> (State Drawing No., Zone/Group, or List Attachments)</p> <p>SE141-137 thru -142:                  Material changed from 316 SS to STELLALLOY, the casting material. Ref RFD-14-016.</p> <p>SE141-114, SHEET 9:                  Thermocouple hole diam changed to .63 for all but last 1-in of depth, which remains at .25-in.                  Ref RFD-14-017.</p>
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**REASON FOR CHANGE:**

SE141-137 thru -142:  
Improve magnetic permeability.

SE141-114, SHEET 9:  
Improve machining technique.

**ENGINEERING CHANGE PROPOSAL: NONE**

**DATE: 3/31/06**

**COGNIZANT INDIVIDUAL MAKING THE CHANGE: D. Williamson**

**RESONSIBLE LINE MANAGER: B. Nelson**