

**PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5073**

<b>COGNIZANT INDIVIDUAL:</b>	Michael Kalish
<b>ECN TITLE:</b>	<b>TF Coil Wedge Structure Update</b>
<b>ASSOCIATED ECP:</b>	None
<b>CC/WP/Job:</b>	<b>9450 1*** 1361</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>
SE131-085	1	TF Coil Nose Casting Machining

<p><b>DESCRIPTION OF CHANGE:</b> (State Drawing No., Zone/Group, or List Attachments)</p> <p>Modify per attached drawing:</p> <p>Sheet 1- Note 2 added referring to either the weldment or casting specification dependant on method of fabrication</p> <p>Sheet 1 Zone E5 and B6 - Datum A removed</p> <p>Sheets 1 &amp; 2 - Title changed to "Wedge Structure Detail"</p> <p>Sheet 2: Circled areas indicate where references to Datum A and Datum B are removed</p> <p>Sheet 2 Zone E11 – Note added to allow radiuses on pockets if wedge is manufactured from a weldment</p> <p>Sheet 2 Zone H10 - .50 inch dimension no longer reference dimension</p> <p>Sheet 2 Zone C12 – Note added to reference assembly drawing for final machine tolerances</p> <p>Sheet 2 Zone A8 – Note added to allow excess material on surface to be machined away in final assembly</p>
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**REASON FOR CHANGE:**

Option added to manufacture wedge as weldment instead of casting. Option added to allow vendor to adhere wedges to assembly and machine wedge surface as final operation. Opportunity for cost savings and improved assembly technique.

**ENGINEERING CHANGE PROPOSAL: N/A      DATE: 2/2/06**

**COGNIZANT INDIVIDUAL MAKING THE CHANGE:**

**RESPONSIBLE LINE MANAGER:**