

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5059

COGNIZANT INDIVIDUAL:	
ECN TITLE: Updating Drawings	
ASSOCIATED ECP: None	
CC/WP/Job: 9450-1***-1403	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:

DRAWING(S) AFFECTED NUMBER:	NEW Revision	TITLE
SE141-048	2	Poloidal Break Shim Assembly Type A
SE141-058	2	Poloidal Break Shim Assembly Type B
SE141-114	6	Production Winding Form Type A
SE141-115	6	Production Winding Form Type B
SE141-137	1	MCWF Poloidal Break Bearing Plate Type C Casting
SE141-138	1	MCWF Poloidal Break Bearing Plate Type C Casting
SE141-139	0	MCWF Poloidal Break Bearing Plate Type B Casting
SE141-140	0	MCWF Poloidal Break Bearing Plate Type B Casting
SE141-141	0	MCWF Poloidal Break Bearing Plate Type A Casting
SE141-142	0	MCWF Poloidal Break Bearing Plate Type A Casting

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DESCRIPTION OF CHANGE: (State Drawing No., Zone/Group, or List Attachments)

- SE141-048 and SE141-058 – changed drawings to include the 0.060” – 0.090” chamfer.
- SE141-114 and SE141-115 – added cooling holes for poloidal break, revised tolerances on wing, etc., identical to changes made for the Type C Production Winding (SE141-116).
- SE141-137 and SE141-138 – deleted note referring to magnetic permeability.
- SE141-139 and SE141-140 added to reflect the bearing plate details for the Type B castings.
- SE141-141 and SE141-142 added to reflect the bearing plate details for the Type A castings.

REASON FOR CHANGE:

- SE141-048 and SE141-058 revised to reflect chamfer requirements for Type A and Type B castings similar to that for the Type C castings (SE141-078).
- SE141-114 and SE141-115 revised to make identical changes to cooling holes and tolerances as was done for Type C (SE141-116).
- SE141-137 and SE141-138 revised to delete the note relative to the magnetic permeability. This requirement be addressed in the CSPEC and is currently approved to 1.03 μ in RFD-14-011.
- SE141-139, SE141-140, SE141-141, and SE141-142 created to show the bearing plate details for the Type B and A castings, respectively.

ENGINEERING CHANGE PROPOSAL: NA **DATE:** 12/23/2005

COGNIZANT INDIVIDUAL MAKING THE CHANGE:

RESONSIBLE LINE MANAGER: