

**PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # \_4903\_\_\_\_**

**COGNIZANT INDIVIDUAL:** Dave Williamson (ORNL)

**ECN TITLE:** Final Technical Configuration of the MCWF Production Coils.

**CC/WP/Job: 1411 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
SE141-101	1	Mod Coil Winding Form Assembly Type A
SE141-102	1	Mod Coil Winding Form Assembly Type B
SE141-103	1	Mod Coil Winding Form Assembly Type C
SE141-114	1	Production Winding Form Type A
SE141-115	1	Production Winding Form Type B
SE141-116	2	Production Winding Form Type C
Continued on back.		

**DESCRIPTION OF CHANGE:** (state drawing no.,zone/group, or list attachments)

The attached continuation page provides specific details of the changes:

**REASON FOR CHANGE:**

Reflects final negotiated technical scope. Changes include changes to the spherical seats, lead block, and other changes per ECP-015.

**ENGINEERING CHANGE NOTICE APPROVALS :** **DATE: Sept 17, 2004**

**COGNIZANT INDIVIDUAL MAKING CHANGE:**

**RESPONSIBLE LINE MANAGER:**

**COGNIZANT INDIVIDUAL:** Paul Goranson (ORNL)**ECN TITLE:** Modification to Seals on Spool Piece and End Piece For Vacuum Vessel R&D**CC/WP/Job:** **AREA OR PROJECT:** NCSX

The following describes the changes needed:

**SE141-101, All views updated to reflect changes to SE141-114**

**SE141-114, Sheet 2, Quad G4 - Removed spherical seats, revised tee relief, added dimensions**

**SE141-114, Sheet 2, Quad F7 - Added 45-deg x .03 chamfer at VPI groove edge**

**SE141-114, Sheet 3, Quad C4 - Revised hole in vessel support boss**

**SE141-114, Sheet 7, Quad C2 - Revised lead block protrusion dimensions**

**SE141-114, Sheet 9, Quad C7 - Revised dimension of cooling inlet/outlet hole**

**SE141-114, Sheet 10, Quad D3/D7 - Updated image**

**SE141-114, Sheet 11, Quad E3 - Removed Tables III, IV**

**SE141-102, All views updated to reflect changes to SE141-115**

**SE141-115, Sheet 2, Quad G4 - Removed spherical seats, revised tee relief, added dimensions**

**SE141-115, Sheet 2, Quad F7 - Added 45-deg x .03 chamfer at VPI groove edge**

**SE141-115, Sheet 3, Quad F4 - Added assembly fixture attachment boss**

**SE141-115, Sheet 7, Quad B4 - Revised lead block protrusion dimensions**

**SE141-115, Sheet 9, Quad F4 - Revised dimension of cooling inlet/outlet hole**

**SE141-115, Sheet 11, Quad D3/D7 - Updated image**

**SE141-115, Sheet 12, Quad E3 - Removed Tables III, IV**

**SE141-103, All views updated to reflect changes to SE141-116**

**SE141-116, Sheet 2, Quad G4 - Removed spherical seats, revised tee relief, added dimensions**

**SE141-116, Sheet 2, Quad F7 - Added 45-deg x .03 chamfer at VPI groove edge**

**SE141-116, Sheet 11, Quad D3/D7 - Updated image**

**SE141-116, Sheet 12, Quad E3 - Removed Tables III, IV**