

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 4882

COGNIZANT INDIVIDUAL: Paul Goranson (ORNL)

ECN TITLE: Modification to Seals on Spool Piece and End Piece for Vacuum Vessel R&D

CC/WP/Job: 1203-405 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
SE1203-001	1	WELD JOINT ASSEMBLY FOR REFERENCE ONLY
SE1203-002	1	SPOOL PIECE MACHINING
SE1203-003	1	END PIECE MACHINING
SE1203-004	1	SPOOL PIECE STOCK WELDMENT
SE1203-005	1	END PIECE STOCK WELDMENT
Continued on back.		

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

SE1203-001 Updated to show changes SE1203-002 Mating grooves changed, fillet weld removed, views updated, vent hole details added to sheet 3. SE1203-003 Mating grooves changed, views updated SE1203-004 Fillet weld removed, added note 7 SE1203-005 Fillet weld removed, added note 7. SE1203-006 Update sections SE1203-007 Update sections, remove fillet weld SE1203-008 Removed SE1203-0011 Added contour tolerance SE1203-0012 Removed SE1203-0015 Tolerances changed SE1203-0016 Changed dimensions SE1203-0017 Changed dimensions

REASON FOR CHANGE:

Vendor recommendation to relax contour tolerances and change the seal from a welded wire to a compliant seal material, resulting in looser tolerance requirements and less distortion in the seal plates. ECP-04-013 approved on July 30, 2004.

ENGINEERING CHANGE NOTICE APPROVALS : DATE:

COGNIZANT INDIVIDUAL MAKING CHANGE:

RESPONSIBLE LINE MANAGER:

ECN # 4882

CC/WP/Job: **AREA OR PROJECT: NCSX**

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