

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5134

COGNIZANT INDIVIDUAL: Paul Goranson

ECN TITLE: Update of Drawing to Capture “Stamps”

ASSOCIATED ECP: None

CC/WP/Job: 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
SE121-014	2	Vacuum Vessel Spacer Weldment

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

This change incorporates the following “stamps” on this drawing per PPPL-PROC-007 (Part D). The following notes should be added to this drawing and the “stamps” removed:

- **RFD-12-002R1/ECN-4972 approved substitution of Schedule 10 for Schedule 40 piping - this is applicable to all three (3) VVSAs.**
- **ECN-5082 eliminated weld relief originally requested by MTM since the subsequently elected to pursue other means of leak detection. Grooves no longer required – this is applicable to all three (3) VVSAs.**
- **RFD-12-015/ECN-5114 approved leaving excess stock on the face to provide additional flexibility for final setup. Accordingly, the 6.5” height and 1.0” thickness reference dimensions are only considered as suggestions - this is applicable to all three (3) VVSAs.**
- **RFD-12-022 approved MTM advised that two flanges of one spacer needs to be re-made (the originals were cut wrong and had to be scrapped). MTM advises that they must replace the originally purchased flanges with new flanges that are 2” stock thick for VVSA #3 spacer. The replacement plate of Inconel is 2” thick. NCSX requests that MTM machine the new replacement flanges per SE121-014 using 1.25” vs. the original thickness of 1.00”. With this change, the overall face to face distance will be 7” vs. the original 6.5”.**

REASON FOR CHANGE:

PPPL Procedure PROC-007 limits the number of “stamps” on a drawing to 3 => after that a formal revision is required. RFD-12-022 would have been the 4th “stamp.”

ENGINEERING CHANGE PROPOSAL: N/A **DATE:** 5/30/2006

COGNIZANT INDIVIDUAL MAKING THE CHANGE: Paul Goranson

RESONSIBLE LINE MANAGER: Brad Nelson

