PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5110

COGNIZANT INDIVIDUAL: Paul Goranson

ECN TITLE: VVSA Tube Clip Thickness

ASSOCIATED ECP: None

CC/WP/Job: 9450-1*-1203** **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: Brad Nelson Digitally signed by Brad Nelson DN: cn=Brad Nelson, c=US, o=ORNL, ou=FED, email=nelsonbe@ornl.gov Date: 2006.05.01 08:58:20 -04'00'
(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
SE120-005	**See RLM Comment**	**Vacuum Vessel Port Extension Weldment**
SE122-006	**See RLM Comment**	**Vacuum Vessel Port Extension Weldment**
SE122-007	**See RLM Comment**	**Vacuum Vessel Port 17 & 18 Weldment**

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

The drawings calls out 28 gauge material for the tube clip, nominally 0.015" thick, but anything within the tolerance rande of 0.01" and 0.02" is acceptable. The VVSA CSPEC calls out ASTM B443 for sheet metal, but does not address gauge under 0.018", so although the specification overlaps the acceptable thickness, it does not address 28 gauge.

The use of any gauge in the range of 0.01" and 0.02" is acceptable, provided it is Incoloy 625 alloy and is found to perform adequately.

RFD-12-004 approved this deviation.

REASON FOR CHANGE:

RFD-12-004 approved this change. It resulted from MTM reporting the inconsistencies between the CSPEC and ASTM B443.

ENGINEERING CHANGE PROPOSAL: N/A **DATE: 4/17/2006**

COGNIZANT INDIVIDUAL MAKING THE CHANGE: Paul Goranson

Validity unknown

Digitally signed by Paul Goranson
DN: cn=Paul Goranson, c=US
Date: 2006.05.01 08:45:23 -04'00'

RESONSIBLE LINE MANAGER: Brad Nelson

Digitally signed by Brad Nelson
DN: cn=Brad Nelson, c=US, o=ORNL, ou=FED, email=nelsonbe@ornl.gov
Date: 2006.05.01 08:58:35 -04'00'

RLM Comments: This ECN will NOT be immediately incorporated. Rather a stamp will be placed on this drawing as Rev 0-b to SE120-005 and Rev 0-a to SE122-006 and SE122-007 to indicate that this ECN is outstanding.