

**PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 5130**

<b>COGNIZANT INDIVIDUAL: Paul Goranson</b>	
<b>ECN TITLE: Heating and Cooling System Saddle Loop Design Modifications</b>	
<b>ASSOCIATED ECP: None</b>	
<b>CC/WP/Job: 9450-****-1203</b>	<b>AREA OR PROJECT: NCSX</b>

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:

<b>DRAWING(S) AFFECTED NUMBER:</b>	<b>NEW Revision</b>	<b>TITLE</b>
SE123-049	1	Vacuum Vessel Heating/Cooling Heating Cooling ASM Assembly
SE123-052	3	Vacuum Vessel Heating/Cooling Heating Cooling Grafoil Gasket Detail
SE123-053	3	Vacuum Vessel Heating/Cooling Heating Conductor Detail
SE123-054	3	Vacuum Vessel Heating/Cooling Heating Strap Detail
SE123-056	1	Vacuum Vessel Heating/Cooling Heating Tube Retainer Washer

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

- SE123-049 Update models and BM to remove Brazette Reducer fitting which will not be required
- SE123-052 Changed dimensions of gasket.
- SE123-053 Changed conductor design to accommodate single tracing hose.
- SE123-054 Changed strap material thickness and geometry to permit increase loading.
- SE123-056 Changed material to SS.

**REASON FOR CHANGE:**

To accommodate changes in tracing mount design resulting from R&D testing.

**ENGINEERING CHANGE PROPOSAL:** N/A                      **DATE:** 5/16/2006

**COGNIZANT INDIVIDUAL MAKING THE CHANGE:**

**RESONSIBLE LINE MANAGER:**

**RLM Comments:**

Changes have been incorporated into the drawings.



