

PPPL ENGINEERING CHANGE NOTICE (ECN) ECN # 4933 Rev 1

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| COGNIZANT INDIVIDUAL: | Paul Goranson (ORNL) |
| ECN TITLE: Modification of Vacuum Vessel Subassembly (VVSA) Inner Support Bosses to Utilize Simplified Hangers | |
| CC/WP/Job: | 9450-1***-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: **1103**

| DRAWING(S) AFFECTED NUMBER: | NEW Revision | TITLE |
|-----------------------------|--------------|---|
| SE120-002 | 1 | Vacuum Vessel Subassembly (VVSA) |
| SE120-004 | 1 | Vacuum Vessel Period Inspection and Leak Check Assembly |
| SE122-018 | 1 | Vacuum Vessel Port 12 Flange Detail |
| SE122-019 | 1 | Vacuum Vessel Port 12 Seal Retainer |
| SE122-049 | 1 | Vacuum Vessel Port 4 Flange Detail |

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

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|-------------------|---|
| SE120-002 | Editorial change to BM |
| SE120-004, sht 1 | Editorial change to BM |
| SE120-004, sht 13 | Add find numbers for nut and washer. <i>(ECN Revision 1)</i> |
| SE120-004, sht 15 | Editorial change to callouts |
| SE120-004, sht 18 | Design change to inner weld bosses to accommodate new support interface, including change in location, thread size and orientation. |
| SE122-018 | Relax in tolerance |
| SE122-019 | Relax in tolerance |
| SE122-049 | Relax in tolerance |
| SE122-057 | Add missing dimension, relax tolerance |
| SE122-072 | Add missing true position callout, relax tolerance |
| SE122-104 | Add missing port dimension |
| SE122-105 | Change recess to full radius per contractor request |
| SE122-172 | Relax tolerances, add missing stock thickness |
| SE122-173 | Relax tolerances |

REASON FOR CHANGE:

To incorporate a design change to the supports which will streamline assembly and installation procedures for the VVSA, and incorporate editorial changes and requests by the contractor.

ENGINEERING CHANGE NOTICE APPROVALS: ECP-017

DATE: 11/04/2004

COGNIZANT INDIVIDUAL MAKING CHANGE: Paul Goranson

RESPONSIBLE LINE MANAGER: Larry Dudek

