

<i>NCSX RFD Part I</i>	Number: 12-012	RFD Description: NCSX VVSA Thermal Cycle
Initiator: Doug McCorkle		Organization: Major Tool and Machine
List of Impacted Documents: (Specification, MIT/QA Plan, SOW, drawing, etc.) NCSX-CSPEC-121-02-06		
Cost Impact: (If none, so state) NONE		
Schedule Impact: (If none, so state: NONE		
Quality Impact: (If none, so state): NONE		
State Requirement Deviation is Requested For: (Specification, MIT/QA Plan, SOW, drawing, etc.) NCSX-CSPEC-121-02 Sections 3.2.1 and 4.2.1		
<p>Full Description of the Deviation Requested: (Use continuation pages, e-mails, letter, sketches, etc. as needed and include amplifying information as appropriate to support deviation request.)</p> <p>DEVIATION for the first VVSA (per conversation with PPPL/ORNL preauthorizing these changes):</p> <p>Request minimum thermal cycle temperature for the first 120° segment increased to 100C instead of "room temperature" to reduce time for the insulated vessel to reach minimum temperature before ramping back up thereby to providing relief to Major Tool's cost of thermally cycling the vessel.</p> <p>Request reducing the thermal cycle requirement for the first 120° segment from three cycles to two cycles to provide relief to Major Tool's cost of thermally cycling the vessel.</p> <p>Request reducing the total hold time at temperature for the first 120° segment from 48 hours to 40 hours to provide relief to Major Tool's cost of thermally cycling the vessel.</p>		
Attachments: N/A		
Initiator Signature: <u>Doug McCorkle</u> Date: <u>14Feb2006</u>		

<i>NCSX RFD Part III</i>	Number: 12-012	RFD Description: NCSX VVSA Thermal Cycle
RLM: Brad Nelson		Organization: ORNL
Impact on Interfaces with Other WBS Elements/Items: (If none, so state): <i>NONE</i>		
<p>RLM Recommendation:</p> <p><input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve</p> <p>Additional remarks: <u><i>This deviation only applies to the first 120° VVSA segment.</i></u> PPPL judged that the technical benefit of completing the testing as specified was far less than the technical risk to the Project of having MTM complete the testing in the manner that the testing was being done. PPPL provided verbal guidance on Friday, February 12th, that stopping after two cycles and 40 hours was acceptable.</p> <p>Discussions underway to determine path forward on remaining two 120° VVSA segments.</p> <p>Does this Change Impact Material Already Procured or Parts/Assemblies Already Assembled/Manufactured using this Material: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If “Yes”, what is the recommended disposition of this material/part/assembly? Use first 120° VVSA segment as is pending resolution of NCR’s related to the thermal cycle.</p>		
<p>RLM Signature: _____</p>		
<p>Project Disposition:</p> <p><input type="checkbox"/> Approved. No ECP required. _____ NCSX Systems Engineering Support Manager</p> <p><input type="checkbox"/> Approved. ECP - assigned and processed.</p> <p><input type="checkbox"/> Not Approved. Reason(s) for disapproval:</p>		