

NCSX PRELIMINARY DESIGN PART I - DESCRIPTION

<b>WBS Number: 613</b>	<b>Title: Vacuum Water</b>
<b>Originator: L. Dudek</b>	
<b>Description:</b> Provide cooling water supply for vacuum pumping system	
<p>This WBS element consists of the effort to provide a cooling water loop to reject heat produced by the vacuum vessel vacuum pumping system. The system used on PBX-M will be reused where practical. The cooling loop will be connected to the HVAC water system. This WBS will Provide a small &lt; 20 gpm cooling water loop to reject heat produced by the vacuum vessel and neutral beam vacuum pumping systems. The existing HVAC chilled water system will be used as the ultimate heat sink. This system is required to operate 24 hours/day 365 days/year.</p>	
<u>Description of Existing Equipment/Facilities to be Reused:</u>	
NONE	
<u>Description of Major Modifications Required to Existing Equipment/Facilities:</u>	
Cut into the existing HVAC chilled water system located in the NE corner of the CS basement.	