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C2Po1C-07: Spallation Neutron Source Purifier Replacement Project for the Central Helium Liquefier

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The Spallation Neutron Source (SNS) at Oak Ridge National Laboratory (ORNL) operates the Central Helium Liquefier (CHL) to provide 2K helium refrigeration to the superconducting radio frequency (SCRF) cavities in the linear accelerator (LINAC). To maintain the purity of the helium, the CHL operates a LN2 cooled, dual-bed purifier. This purifier was purchased as a refurbished unit during the construction of SNS about 20 years ago. The current operational issues with the existing purifier will be discussed. The procurement, fabrication status and commissioning plans will also be discussed.

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