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## **SNS Facility Report**

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### **Abstract**

The Spallation Neutron Source at Oak Ridge National Laboratory continues to develop rapidly. During 2011 the accelerator set a new standard for pulsed neutron sources, operating at 1MW operation with 94.4% reliability from Oct-Dec 2011. The mercury target has now been changed four times. Radiation damage continues to be the determining factor for target lifetime for all but one target, with cavitation damage remaining a concern. Development is underway with the goal of extending target life to two changes per year at 2 MW. The final instrument from the SING-I project (HYSPEC) has started commissioning. Four further instruments from SING-II will come into operation in 2012-2014, bringing the total to 19.