

2011 RETS/REMP Workshop Presentation Abstract

Ventilation System Testing at a US BWR

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Radiation Safety & Control Services, Inc. teamed with GEL Engineering, LLC to address an NRC violation regarding ventilation systems at an operating 2 unit boiling water reactor (BWR). Of particular interest was determination and consideration of the particle size distribution in the Units 1 and 2 Reactor Building Roof Exhaust Ventilation Systems in the modeling and calculation of transmission efficiency (line loss) in the sampling systems. Challenges included performing the testing and collecting data with the units at steady state full power operations with all elements of the ventilation and sampling systems remaining fully operational.

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