



BWX Technologies, Inc.

October 20, 2015  
15-140

ATTN: Document Control Desk  
Director, Office of Nuclear Material Safety & Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

Reference: License SNM-42, Docket 70-27

Subject: 60-Day Written Report for Event Notification Number 51411

Dear Sir or Madam:

Enclosed please find BWXT, Nuclear Operations Group - Lynchburg, Inc. (BWXT NOG-L) 60-Day Written Report for Event Notification Number 51411. The event notification was reported under 10 CFR 70, Appendix A, (b)(2) – Loss or degradation of items relied on for safety (IROFS) that results in failure to meet the performance requirement of § 70.61.

On September 19, 2015, NOG-L reported the IROFS of operator control of mass of moderator appeared to be lost for a moderation controlled glovebox. The scenario documented in the ISA did not demonstrate the performance requirements of 10 CFR 70.61 were maintained. The magnitude of the potential upset was such that only one IROFS (operator control of U235 mass) remained. Subsequently, the extent of condition review found a similar condition in a second moderation controlled glovebox in the same process area. This situation was reported as an addendum to Event Notification Number 51411 on September 24, 2015.

The enclosed report provides our assessment of the actual and potential safety significance of the event. The report also includes the complete results of the extent of condition review, the root causes identified by our investigation, and the related corrective actions.

If you have questions or require additional information, please contact Chris Terry, Manager of Licensing and Safety Analysis, at [cterry@babcock.com](mailto:cterry@babcock.com) or 434-522-5202.

Sincerely,

B. Joel Burch  
Vice President and General Manager  
BWXT Nuclear Operations Group, Inc. – Lynchburg

Enclosure

cc: NRC, Region II  
NRC, Resident Inspector  
NRC, M. Baker

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# Enclosure