

ENCLOSURE 1

Corrective Action Status Update

BWXT Nuclear Operations Group - Lynchburg is providing a status update of the corrective actions resulting from the formal investigation of the unanalyzed process water line connection to the Recovery horizontal column system. Full compliance was achieved on 06/09/16 when the process water supply line was disconnected from the horizontal column system, making backflow incredible.

1. Review all Recovery facility water/chemical reagent/steam piping connections to fissile solution systems to ensure NCS controls are implemented per QWI 4.1.5, "Nuclear Criticality Safety Engineering Design Criteria & Guidelines" to prevent backflow of fissile solutions.

Status: Completed on 06/15/16. All connections were in compliance with QWI 4.1.5 requirements for backflow prevention.

2. A Quality Alert will be issued to emphasize the importance of maintaining a questioning-challenging attitude to identify unusual events or conditions and take appropriate actions to report/resolve the concern. The Quality Alert will include discussion of the discovery of the unanalyzed process water connection.

Status: Completed on 8/25/2016. A Quality Alert emphasizing the importance of maintaining a questioning attitude was issued.

3. Provide backflow prevention for the process water connection to the Primary and Raffinate Feed columns. Identify additional IROFS and Management Measures as necessary.

Date: 11/04/2016

4. QWI 5.1.12, "Change Management," and QWI 5.1.7, "Safety Evaluation Requests," will be revised to require that changes to a process or equipment must specifically identify ancillary systems (e.g., water, chemical reagents, steam, etc.) connected to the process or equipment being changed.

Date: 12/15/2016

5. Solution piping in Uranium Recovery and the Specialty Fuels Facility will be marked with the contents and direction of flow at the point of connection to a fissile solution processing system

Date: 12/31/2016

6. An Extent of Cause review will be conducted to review tasks involving ancillary systems (e.g., process water, nitric acid, HF acid, compressed air, steam, etc.) in our Uranium Recovery and Specialty Fuel Facility to verify these systems have documented accident scenarios as needed to meet the requirements of 10 CFR 70.

Date: 8/01/2017