

SAFETY EVALUATION REPORT

Docket No. 72-1007
Model No. VSC-24 Storage System
Certificate of Compliance No. 1007
Amendment No. 6

SUMMARY

By application dated June 30, 2005, and as supplemented October 12, 2005, BNG Fuel Solutions Corporation (formerly BNFL Fuel Solutions Corporation) submitted an amendment to the U.S. Nuclear Regulatory Commission (NRC) to revise Certificate of Compliance No. 1007 for the Model No. VSC-24 Ventilated Storage System. The application was made in accordance with Title 10 Code of Federal Regulations (CFR) Part 72 requesting changes to the Technical Specifications (TS) requirements related to periodic monitoring during storage operation. The license amendment request eliminates TS that require daily temperature measurement of the cask. The daily temperature measurement is not required because the daily visual inspection of the cask inlet and outlet vent screens required by TS provides the capability to determine when corrective action needs to be taken to maintain safe storage conditions in accordance with the requirements of Title 10 Code of Federal Regulations (CFR) 72.122(h)(4). In addition, the amendment updates editorial changes associated with the company name change.

The staff has reviewed the application, as supplemented. Based on the statements and representation in the application, as supplemented, the staff concludes that the VSC-24 Spent Fuel Storage System meets the requirements of 10 CFR Part 72.

GENERAL INFORMATION

The applicant's request to amend the Certificate of Compliance proposes to change TS requirements related to periodic monitoring during storage operations. Specifically, the application requests daily temperature monitoring requirements be eliminated because the daily visual inspection of the cask inlet and outlet vent screens required by TS 1.3.1 provides the capability to determine when corrective action needs to be taken to maintain safe storage conditions in accordance with the requirements of 10 CFR 72.122(h)(4). TS 1.2.3 will also be revised to correspond with TS 1.3.1 by revising the method of thermal performance evaluation to allow for daily temperature surveillance once the cask has reached thermal equilibrium.

THERMAL EVALUATION

The applicant requested approval to eliminate TS 1.3.4. This TS requires daily temperature monitoring of the casks. The applicant stated that this elimination is acceptable because daily temperature measurements are not required since TS 1.3.1 requires daily visual inspection of the cask inlet and outlet vent screens. The applicant further stated that TS 1.3.1 provides the capability to determine when corrective action needs to be taken to maintain safe storage conditions in accordance with the requirements of 10 CFR 72.122(h)(4).

The staff reviewed the proposed TS elimination and found that TS 1.3.1 does provide the capability to determine when corrective action needs to be taken to maintain safe storage conditions in accordance with the requirements of 10 CFR 72.122(h)(4).

CONDITIONS FOR CASK USE - OPERATING CONTROLS AND LIMITS OR TECHNICAL SPECIFICATION

The changes to the certificate and its technical specification proposed by this amendment to the VSC-24 Ventilated Storage System:

1. TS TOC - Revised to remove deleted sections.
2. TS 1.2.3 - Revised TS to specify method of thermal performance verification.
3. TS 1.3.4 - Deleted.
4. TS Table 3 - Deleted TS 1.3.4 from summary of surveillance requirements.
5. TS Appendix B - Deleted B.1.3.4.

The staff has reviewed these changes and finds them to be acceptable.

CONCLUSION

The Certificate of Compliance is revised to include the new amendment and the Technical Specifications have been updated to include the new monitoring requirements.

Issued with Certificate of Compliance No. 1007, Amendment No. 6
on June 15, 2006