



E ***M*** **Environmental Management**

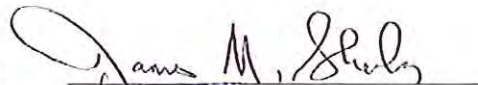
safety ❖ performance ❖ cleanup ❖ closure

DOE Packaging Certification Program

**Safety Evaluation Report for
Request to Revise and Renew DOE Certificate of
Compliance 9225 Based on the Consolidated SARP and
Previously Approved Certificate Amendments for the Model
NAC-LWT**

Docket No. 16-41-9225

Prepared by:

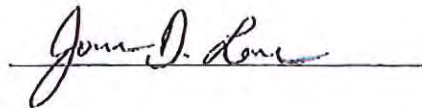


Date:

2/27/2017

James M. Shuler
Manager, Packaging Certification Program
Office of Packaging and Transportation

Approved by:



Date:

02/27/2017

Joanne D. Lorence
Headquarters Certifying Official
Director
Office of Packaging and Transportation

SER for Request to Revise and Renew DOE Certificate of Compliance 9225 Based on the Consolidated SARP and Previously Approved Certificate Amendments for the Model NAC-LWT
Docket 16-41-9225

This Safety Evaluation Report (SER) documents the U.S. Department of Energy (DOE) Packaging Certification Program (PCP) technical review of the application submitted by NAC International, Inc. (NAC) requesting authorization to revise and renew DOE Certificate of Compliance (CoC) Number 9225, based on the consolidated Safety Analysis Report for Packaging (SARP) and previously approved certificate amendments.

Evaluation

By letter ^[1] dated August 30, 2016, NAC International requested DOE to revise and renew DOE CoC 9225, for the Model NAC-LWT package. NAC submitted a consolidated SARP, Revision 3^[2], in support of this request. The applicant consolidated SARP Revisions 12A, 12B and 12C, which are the safety basis documents for Revisions 10 and 11 of the CoC that address the Commonwealth Edison Uranium Solidification Project (CEUSP) contents. The applicant also requested DOE to amend the CoC to authorize use of CEUSP Canister Spacers, Serial Numbers -07 through -46 and Basket Assemblies 315-391-161-01, -02, and -03. These packaging components did not conform to their respective CoC drawings: 315-40-163 (Rev 0) and 315-40-161 (Rev 2); however, use of these components was authorized by DOE ^[3, 4] after reviewing the significance of component nonconformance and concluding that they did not affect the ability of the package to meet the requirements of 10 CFR Part 71. There are no other changes to the package in SARP Revision 3.

PCP staff performed by a chapter-by-chapter review of SARP Revision 3 and confirmed that SARP Revision 12A, 12B and 12C for the CEUSP content amendment were properly and accurately implemented.

The applicant will remove any obsolete information in the next revision of the SARP for any contents not authorized by the DOE CoC (e.g., TPBARS).

Condition of Approval

- This certificate authorizes use of CEUSP Canister Spacers, Serial Numbers -07 through -046 and Basket Assemblies 315-391-161-01, -02, and -03.
- All other conditions of CoC Number 9225 remain the same.

Conclusion

Based on the statements and representations in the request dated August 30, 2016, PCP staff concludes that the package continues to meet the requirements of 10 CFR Part 71.

SER for Request to Revise and Renew DOE Certificate of Compliance 9225 Based on the Consolidated SARP and Previously Approved Certificate Amendments for the Model NAC-LWT
Docket 16-41-9225

References

- [1] *Submittal of NAC-LWT of DOE SARP Revision 3*, Letter# ED20160058, Letter to Shuler, August 30, 2016
- [2] *NAC-LWT Safety Analysis Report for Packaging*, Revision 3, May 2016, NAC, International
- [3] Letter, James Shuler to Anthony Patko (NAC International), Docket 15-04-9225, December 2, 2014
- [4] Letter, Frank Marcinowski to Wren Fowler (NAC International), Docket 16-10-9225, February 2, 2016