



EM Environmental Management

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DOE Packaging Certification Program

**Safety Evaluation Report for
Request to Renew Certificate of Compliance 9519 for the
Model SAFESHIELD 2999A Package**

Docket No. 17-16-9519

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5/4/17

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This Safety Evaluation Report (SER) documents the U.S. Department of Energy (DOE) Packaging Certification Program (PCP) technical review of the memorandum submitted by the Los Alamos Field Office (LAFO) requesting renewal of DOE Certificate of Compliance (CoC) Number 9519 for the Model SAFESHIELD 2999A package.

Summary

By memorandum ^[1] dated April 5, 2017, LAFO only requested renewal of DOE CoC 9519 for the Model SAFESHIELD 2999A package. No CoC changes were requested and the safety analysis report for packaging (SARP) was not changed. All original SARP analyses for the currently approved package are still valid, except for the Table 6 contents: Irradiated low-melting point (LMP) metal accelerator targets.

Evaluation

The Table 6 contents were removed from the CoC as authorized contents on June 1, 2015, based on the memorandum (i.e., letter amendment) issued by the DOE Packaging Certification Program Manager in response to a discovery by PCP staff of a SARP inadequacy with respect to the material compatibility, containment, and shielding evaluations of these contents under hypothetical accident conditions.^[2]

Based on the information provided in the SARP, except as noted above, PCP staff concludes that the Model No. SAFESHIELD 2999A package continues to meet the requirements of 10 CFR Part 71.

Conditions of Approval

The certificate was changed from Revision 3 to Revision 4.

"Irradiated LMP metal accelerator targets" was removed from the certificate as authorized contents; consequently, Section 5(b)(1)(vi) and Table 6 were removed from the certificate and Section 5(b)(2) was revised to implement this change.

Condition 10 was added to authorize use of CoC Revision 3 until 6/30/2017. Note that the contents of Table 6, Irradiated LMP metal accelerator targets, are not authorized.

Conditions 11 and 12 were added to clarify the use of DOE certificates.

Section 5(d) of the certificate was added to include the April 5, 2017, request for renewal.

All other conditions of the certificate remain the same.

Conclusion

DOE CoC No. 9519 has been revised as specified above. Based on the statements and representations in the application (memorandum and SARP), except as noted with respect to the Irradiated LMP metal accelerator targets, PCP staff finds the package to meet the requirements of 10 CFR Part 71.

References

- [1] *Request for Renewal of Certificate of Compliance for SAFESHIELD 2999A*, Memorandum from Kimberly Davis Lebak to James Shuler, April 5, 2017.
- [2] *Immediate Revision of DOE Certificate of Compliance Number 9519, Revision 3 for Model SAFESHIELD 2999A Packaging to Remove Contents Type VI*, Memorandum from James Shuler to John Krepps, June 1, 2015.