

**Partial Responses to Requests for Information Items 1, 2, and 4
Senators Harry Reid and Dean Heller
Letter Dated October 29, 2015**

1. A list of all approved transportation packages for spent nuclear fuel and high-level nuclear waste, currently certified by the Commission under 10 CFR Part 71.

The following packages have been approved by the NRC for transport of spent nuclear fuel and high-level waste:

- NAC-LWT (Docket No. 71-9225)
- GA-4 (Docket No. 71-9226)
- 2000 (Docket No. 71-9228)
- NAC-STC (Docket No. 71-9235)
- TN-FSV (Docket No. 71-9253)
- NUHOMS[®] MP187 Multi-Purpose Cask (Docket No. 71-9255)
- HI-STAR 100 System (Docket No. 71-9261)
- UMS Universal Transport Cask Package (Docket No. 71-9270)
- FuelSolutions[™] TS125 Transportation Package (Docket No. 71-9276)
- TN-68 Transport Package (Docket No. 71-9293)
- NUHOMS[®]-MP197, NUHOMS[®]-MP197HB (Docket No. 71-9302)
- TN-40 (Docket No. 71-9313)
- HI-STAR 180 (Docket No. 71-9325)
- HI-STAR 60 (Docket No. 71-9336)
- BEA Research Reactor (BRR) Package (Docket No. 71-9341)
- TN-LC (Docket No. 71-9358)
- HI-STAR 180D (Docket No. 71-9367)
- M-140 (Docket No. 71-9793) (Naval Reactors)
- M-290 (Docket No. 71-9796) (Naval Reactors)

2. A physical description of each approved transportation package design, including the intended transportation mode, the design waste volume, and associated impact limiter

See Attachment 1. Note that the design waste volume for spent fuel contents is generally expressed as authorized contents (i.e., number of fuel assemblies) where possible.

4. The criteria used to determine the safety of each approved transportation package for certification.

The regulatory requirements applicable to spent fuel and high level waste transportation packages, which are contained in Title 10 of the *Code of Federal Regulations*, Part 71, establish three main safety criteria for package performance—maintaining package radiation dose rates and release of radioactive material below the maximum allowable limits, and ensuring the contents remain subcritical. NUREG-1617, “Standard Review Plan for Transportation Packages for Spent Nuclear Fuel” summarizes the requirements for package approval and describes the procedures used by NRC staff to determine if these requirements have been satisfied. Attachment 2 contains the regulatory criteria that NRC uses to determine the safety of a package for approval.

Enclosure