

Daniel Forsyth
German Package Design GNS-16
71-3044
Questions

1. Provide specific material information on the Uranium-Aluminum alloy fuel.

NRC staff could not find in the application information on the material composition of the fuel plate "meat." Alloy density, uranium and aluminum content, and/or atom density is required to confirm criticality analysis.

This information is necessary to verify compliance with 10 CFR 71.33

2. Provide more detailed drawings and description on the contents of the spent-fuel canister.

The length of the fuel canister is significantly greater than the length of the internal components. The only information on the canister contents included in the application is a single exploded diagram with the overall length specified as 810.5 mm. The total length of the contents listed in section 4.3 of WTI/84/06 E ("Safety Analysis of the Type B(U)F Package Transport Cask GNS 16") is 637 mm. More information is needed to demonstrate that the effective spacing between the fissile contents and outer surface of the package will not change by more than 5 percent.

This information is necessary to verify compliance with 10 CFR 71.55