



Orano NCS GmbH, Margarete-von-Wrangell-Straße 7, D-63457 Hanau

U.S. Department of Transportation
PHMSA
attn. Rick Boyle

1200 New Jersey Ave, SE
Washington, D.C. 20590

USA

Orano NCS GmbH

Unsere Zeichen/ Nachricht vom 0007-SVK-2021-004
Our ref./ message dd.

Ihre Zeichen/ Nachricht vom
Your ref./ message dd.

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Datum 25.11.2021

BU-D – extension of validation (cert. USA/0412/AF-96, Rev. 17) to full content of German certificate

Dear Mr. Boyle,

the revalidation of the BU-D package (with cert. USA/0412/AF-96, Rev. 17) is currently limited to a U-235 enrichment of 5.0 weight percent or less, whereas the German certificate of approval D/4305/AF-96 allows uranium oxide contents with U-235 enrichments up to 10.0 weight percent.

We hereby request the lifting of this enrichment limitation, i.e. a validation of all contents in the German certificate. Since this change only impacts the criticality safety analysis of the package, we have attached a calculation report (0007-BBR-2021-001) that demonstrates safe subcriticality for contents with up to 10.0 weight percent enrichment (and the fissile mass limit of 650 g for these higher enrichments) even under pessimistic assumptions. The report also contains a full validation of the criticality calculation code for contents with this higher enrichment.

Since this change of the validation is needed for a project that our client Westinghouse has planned for May 2022, we would be very grateful if you could provide the validation in April 2022.

We are, of course, available for you in case you require more information or clarification on this topic.

Sincerely,

Maik Hennebach
Senior Manager

Yara van Wijk
Project Manager

Orano NCS GmbH

Attachment:
Calculation report 0007-BBR-2021-001, Rev. 0

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Bankverbindung: Société Générale Frankfurt (BLZ 512 108 00), Konto: 1095013031, SWIFT: SOGEDEFF, IBAN: DE 45 5121 0800 1095 0130 31
Aufträge werden auf Grundlage unserer Allgemeinen Geschäftsbedingungen übernommen. Diese stehen Ihnen auf Wunsch zur Verfügung.

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