

END-USE CERTIFICATE (EUC)
FOR PRESENTATION TO THE EXPORT CONTROL AUTHORITIES
OF THE FEDERAL REPUBLIC OF GERMANY

Section A – Parties

Consignee (name, address, contact details and website in block letters)

JÜLICHER ENTSORGUNGSGESELLSCHAFT FÜR NUKLEARANLAGEN mbH, WILHELM-JOHNEN-STRASSE, 52428, JÜLICH, GERMANY

End-user (name, address, contact details and website in block letters) if different from consignee

SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC, SAVANNAH RIVER SITE, AIKEN, SC 29808, USA

Supplier (name, address, contact details and website in block letters)

JÜLICHER ENTSORGUNGSGESELLSCHAFT FÜR NUKLEARANLAGEN mbH, WILHELM-JOHNEN-STRASSE, 52428, JÜLICH, GERMANY

Section B – Items

Description of items (goods, software or technology)

1. (U-Th) C_2 coated particles, irradiated, contains isotopes U-235, U-238, and Th-nat.
2. (U-Th) O_2 coated particles, irradiated, contains isotopes U-235, U-238, and Th-nat.

Quantity/Weight (not applicable in case of technology transfer)

1. Coated particles (U-Th) C_2 , 0.269 U-total (0.221 g U-235, 0.048 g U-238), 5.503 g Th-nat, total weight including coating ca. 8 g
2. Coated particles (U-Th) O_2 , 0.166 U-total (0.153 g U-235, 0.014 g U-238), 0.754 g Th-nat, total weight including coating ca. 2 g

Value (EUR) (for technology only if available)

Approximately 45 Euros (\$50 USD), disposal value

Section C – Final destination

Country and physical address

United States of America (Savannah River Site/Savannah River National Laboratory in Aiken, South Carolina)

Section D – End-use

Intended end-use of items (**section B**)

Experimental research on digestion of graphite under Work for Others No. WFO 13-021 and a pending contract for a similar work scope which will be directly between the United States Department of Energy and Jülicher Entsorgungsgesellschaft für Nuklearanlagen mbH

We (I) certify that the items (**section B**) and any replica thereof (in case of technology also goods derived from derived goods of the items) **will not be used**, in their entirety or in part, in connection with

- the development, production, handling, operation, maintenance, storage, detection, identification or dissemination of chemical, biological, radiological or nuclear weapons / other explosive devices or the development, production, maintenance or storage of missiles / other systems capable of delivering such weapons, or

- the development, production, handling, operation, maintenance or storage of cluster munitions or anti-personnel mines or
- human rights violations.

Yes No

The end-user is part of armed forces or internal security forces.

Yes No

The above-mentioned items and any replica thereof (in case of technology also goods derived from derived goods of the items) will be used for civil purposes only.

Yes No

Section E – Declaration of commitment with regard to goods and software

In accordance with the regulations of the Federal Republic of Germany which state that granting of an export license is dependent on the presentation of an EUC, we (I) certify that

- we (I) are (am) the final end-user of the items specified in **section B** and any replica thereof.
- we (I) will provide the Federal Office for Economic Affairs and Export Control (BAFA) of the Federal Republic of Germany with a delivery statement upon its request.
- the items and any replica thereof will only be used for the purpose specified in **section D**.
- the items and any replica thereof will remain in country

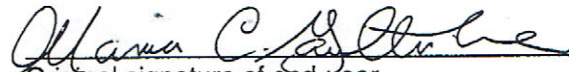
United States of America

or, consistent with the issued authorization, will only be re-exported (e.g. after incorporation) to country

Not Applicable

- we (I) will neither re-export the items nor export any replica thereof to other third countries without the prior consent of BAFA.
- we (I) certify not to re-export the items and any replica thereof to third countries without prior consent of the export control authority of our (my) country.
- the items and any replica thereof will not be re-exported/exported or otherwise nationally or internationally re-sold or transferred to a destination subject to UN, EU or OSCE embargo where that act would be in breach of the terms of that embargo.

Signed in Aiken, South Carolina,
On October 15, 2019


Original signature of end-user

MARIA C. GAUTHIER-LOVE
DIRECTOR, CONTRACTS



Company stamp/Official seal

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Section F – Declaration of commitment with regard to technology

In accordance with the regulations of the Federal Republic of Germany that granting of an export license is dependent on the presentation of an EUC, we (I) certify that

- we (I) are (am) the final end-user of the technology specified in **section B**.
- we (I) will provide the Federal Office for Economic Affairs and Export Control (BAFA) of the Federal Republic of Germany with a delivery statement upon its request.
- the technology will be treated strictly confidential.
- the technology and any replica thereof will only be used for the purpose specified in **section D**.
- we (I) shall neither pass on the technology or any replica thereof nor make knowledge available to parties other than specified in **section A**.

We (I) further certify that goods derived from derived goods of the technology specified in **section B** will

- only be used for the purpose specified in **section D**.
- remain in country

United States of America

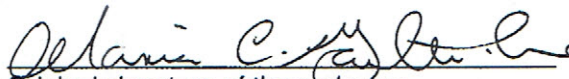
or, consistent with the issued authorization, will only be re-exported (e.g. after incorporation) to country

Not applicable

We (I) further certify that

- we (I) will neither re-export the technology nor export the derived goods or any replica thereof without prior consent of BAFA.
- we (I) will not re-export the technology nor export any replica thereof nor derived goods to third countries without prior consent of the export control authority of our (my) country.
- the technology, the derived goods or any replica thereof will not be re-exported/exported or otherwise nationally or internationally re-sold or transferred to a destination subject to UN, EU or OSCE embargo where that act would be in breach of the terms of that embargo.
- the derived goods will only be delivered to a third person/company on condition that it accepts the commitments of the above declaration as binding for itself and on condition that it is known to be trustworthy and reliable in the observance of such commitments.

Signed in Aiken, South Carolina,
On October 15, 2019


Original signature of the end-user

MARIA C. GAUTHIER-LOVE
DIRECTOR, CONTRACTS



Stamp/Official seal

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