

NRC FORM 7 (11-2012) 10 CFR 110		 U. S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.		EXPIRES: (11/30/2015)	
APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) <i>(See Instructions on Pages 4 and 5)</i>							
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED <div style="text-align: right; font-size: 1.2em;">MAR 04 2013 JC</div>			
LICENSE NUMBER <div style="font-size: 1.2em;">XCOM 1265</div>		DOCKET NUMBER <div style="font-size: 1.2em;">11006090</div>		ADAMS ACCESSION NUMBER			
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
1. NAME AND ADDRESS OF APPLICANT/LICENSEE Materion Brush Inc. 14710 W. Portage River South Rd. Elmore, OH 43416		1a. NAME OF APPLICANT'S CONTACT Robyn Sautter 1c. PHONE NUMBER <div style="text-align: center;">(419) 862-4127</div> 1e. E-MAIL ADDRESS robyn.sautter@materion.com		1b. APPLICANT'S REFERENCE NUMBER 381497 1d. FAX NUMBER <div style="text-align: center;">(419) 862-4174</div>			
2. TYPE OF ACTION REQUESTED <i>(Check One)</i>							
<input checked="" type="checkbox"/> EXPORT (Parts B, C, E)		<input type="checkbox"/> IMPORT (Parts B, D, E)		<input type="checkbox"/> AMENDMENT/RENEWAL Current License Number:		<input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number:	
3. CONTRACT NUMBER(S) 309 696		4. FIRST SHIPMENT DATE 10/01/2013		5. LAST SHIPMENT DATE 06/27/2014		6. PROPOSED EXPIRATION DATE 06/26/2015	
PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, OR RENEWALS (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)							
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Materion Brush Ltd. Unit 4 Ely Road, Theale Commercial Estate Theale, Reading, Berkshire England RG7 4BQ See Page 3 for additional party		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) Areva TA 13593 Aix-en-Provence France 13593		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) CEA Cadarache 13 108 Saint-Paul-lez-Durance France 13108			
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Materion Subsidiary		8a. INTERMEDIATE USE(S) Contractor to refurbish RJH Reactor		9a. ULTIMATE END USE(S) Responsible for RJH Reactor			
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Minor reactor components listed in Appendix A to Part 110, Item 9. Beryllium Reflector Elements		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) N/A		10b. MAX ENRICHMENT OR WGT % N/A		10c. MAX ISOTOPE WGT (KG) N/A	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A							

MAR 04 2013 JC

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(11-2012)
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U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER XCOM 1265	DOCKET NUMBER 11006090	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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PART D. TO BE COMPLETED FOR IMPORT LICENSES, AMENDMENTS, OR RENEWALS

(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)

12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE U. S. CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR CONSENT REQUEST(S)

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
18. CERTIFICATION: I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.	
18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Robyn L. Sautter	18b. SIGNATURE - AUTHORIZED OFFICIAL 
18c. DATE 01/18/13	

NRC FORM 7

(11-2012)
10 CFR 110

U. S. NUCLEAR REGULATORY COMMISSION

**APPLICATION FOR NRC EXPORT OR IMPORT
LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (Continued)**

LICENSE NUMBER XC0M1265	DOCKET NUMBER 11006090	ADAMS ACCESSION NUMBER	<input checked="checked" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Additional Contacts for Technical Questions

Block 1a: San Seckel

Block 1c: 419-862-4214

Block 1e: san.seckel@materion.com

Block 1a: Chris Dorn

Block 1c: 216-383-4047

Block 1e: chris.dorn@materion.com

Additional Party to the Export

Block 7:

Acal BFi France

4, allée du Cantal

ZI La Petite Montagne Sud

Lisses, France 91018

Block 7a: Materion Sales Agent

Block 10: The Be components will be provided as beryllium reflector assemblies for use in the Reactor Jules Horowitz (RJH), located in France. Their function is to reflect the core neutrons and to support experimental devices.

Block 17:

1. A copy of the purchase order is attached - Confidential Information.
2. A copy of the customer supplied end use statement is attached.

MAR 04 2013

JC

PURCHASE ORDER N° 309 696 (placed by Email)

Date : December 18. 2012

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SUPPLIER : MATERION BRUSH LTD – Attention : Natasha LONIE / Patricia MURPHY

BILL TO : Acal BFi France SAS - 4 Allée du Cantal - ZI de la Petite Montagne Sud – CE1834 91018
EVRY CEDEX – France

SHIP TO : Acal BFi France SAS - 4 Allée du Cantal - ZI de la Petite Montagne Sud - CE1834 - 91018
EVRY CEDEX – France

SHIP VIA : To be confirmed

DOCUMENTS : As defined in this order

DO NOT INSURE : We have an open insurance

LABELLING : As defined in this order

DELIVERY TIME : estimated leadtime of 18 months

Further to your quote 20096338 issued on 08/30/2012 and modified on 12/03/12, and with reference to your pricing spreadsheet, we confirm you our order for :

- All parts listed (items 1 to 24)
- The following firm additional items :
 - o Machining of non-simplified features
 - o Documentation
 - o Additional packaging

TOTAL OF THE ORDER :

The decision about the **optional items** will be confirmed **before end November. 2013.**

Please refer to the following pages for all order conditions.

Prices FCA Elmore, OHIO, USA.

End-use/end-user statement to be transmitted separately.

Please send your acknowledgment of order.

Thank you and best regards,

XCOM1265

MAR 04 2013

JC

Joëlle MOREAU
Sales Department
Metals and Materials Division
Tel 33.1 60 79 89 38
Fax 33. 1 60 79 89 03

Marie-Joëlle PORET
Sales Manager

Vincent COURT
Managing Director
Acal BFi France SAS

PURCHASE ORDER N° 309 696 (placed by Email)

Date : December 18. 2012

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ORDER CONDITIONS :

1) Applicable documents

AREVA DOCUMENTS	Corresponding ACAL BFI France DOCUMENTS transmitted to Materion Brush
TA-644132 ind B NP (purchasing specification)	"MJ-RJH-technical spec-2012-Rev1.doc" and "TA-644132B-drawings-oct12.pdf"
TA-629796 ind C (management specification)	"RJH-Quality management-dec 2012.doc"
TA-560363E	TA-560363E.pdf (drawings transmitted to Materion Brush in August 2012)
TA-166906 Ind.F (quality specification)	"RJH-doc-requested-dec 12.xls"
FT 92 (French Institute INRS Be data sheet)	
Materion Brush M-10 MSDS	
Acal BFI France payment milestones on RJH planning	"RJH milestones – order version – dec 2012.xls"

A final version of the "RJH milestones – order version – dec 2012.xls" file will be confirmed at the kick-off meeting (T0 + 1 month) based on the manufacturing planning that Materion Brush will confirm.

The Areva management and quality specifications (in French) are very detailed documents and the corresponding documents transmitted at this stage to Materion Brush are a summary of the Areva requirements. Along the project, further details of the information / documents required by Acal BFI France will be transmitted to Materion Brush.

2) Notes on your quotation spreadsheet

The notes 1 to 10 of your quotation spreadsheet apply for this order.

Concerning note 7 / progress payments, the new progress payments as shown in document " RJH milestones-order version-dec12 " attached with this order, apply.

Concerning note 8 / optional item 25, the following additional point applies : if item 25 is ordered but finally not needed, Materion Brush will offer a buy back credit of 85 % if the material is kept in billet form instead of slices (as per Pat Murphy's confirmation by mail on December 11. 2012)

3) Technical specifications

The drawings to refer to are those of file "TA-644132B-drawings-oct12.pdf". (same drawings as those submitted in August 2012 in file "TA-560363E"). The final profiles of the elements will be confirmed by Acal BFI France at T0 + 8 months (T0 being the date of order acknowledgement) for 50% of the parts, and at T0+ 10 months for the remaining parts. If the "Avant SAD" profiles are not finally confirmed at T0+10 months and need to be machined later separately, item 27 of your quote will apply (as per note 9 of your quote).

The parts will have to be manufactured according to the specification "MJ_RJH_technical spec-2012-Rev1.doc", previously validated by Materion Brush.

PURCHASE ORDER N° 309 696 (placed by Email)

Date : December 18. 2012

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All the samples taken to characterize the products at their various fabrication stages as defined in this specification must be kept 10 years after the final part delivery.

Concerning packaging, the Materion Brush proposal, in line with the above specification is to use big crates for the shipment, containing several internal plastic crates. The internal plastic crates will have the Areva requested labels. The external crates will have the Materion Brush standard labels. The internal crates will be filled with foam, with cutouts for placing each beryllium element (packed individually in sealed bags).

4) Quality management - Documentation

Please refer to documents "RJH-Quality management-dec 2012" and "RJH-doc-requested-dec 12" which provide a description of the Areva quality management expectations and the list of all the documents to be supplied over time.

Along the project, Materion Brush will provide information to Acal BFi France to allow them to build the fabrication file in French which is required by customer. The Areva management and quality specification (in French) are very detailed documents and the documents transmitted with this order to Materion Brush are a summary of the Areva requirements. Along the project, further details of the information / documents required by Acal BFi France from Materion Brush will be transmitted to Materion Brush.

Please note that Acal BFi France will typically need 2 weeks to translate and integrate the Materion Brush information into the formal documents to be supplied along the project to Areva.

5) Penalties (as per Larry Ryczek's confirmation by mail on December 10. 2012)

Materion Brush has a 30 day extension delay, then a penalty could apply at 0.1/1000 per day on the delayed part, limited to 5% of the delayed part value.

6) Warranty terms (as per Larry Ryczek's mail of November 11. 2012)

1. Materion Brush offer their standard warranty for the goods manufactured.
2. Materion Brush agree to extend that warranty to 365 days versus 60 days, measured from the date of shipment from their plant.
3. That date of acceptance is the day it is shipped from the Elmore Ohio facility. This assumes source inspection is done at the Elmore Ohio facility. This also constitutes title transfer of the parts shipped.
4. Materion Brush agrees to be responsible for any shipping damage that is done to the parts due to inadequate packaging. Materion Brush agrees, if requested, for each shipment, to travel to the storage facility and witness the opening of the packages and verify no shipping damage has occurred to parts delivered to the designated storage facility. Once this inspection has occurred, all future liability for damage to the parts in storage after shipment will not be the responsibility of Materion Brush.
5. The intent for this modification to the standard Materion Brush warranty is to support the storage of the parts over the length of this contract before they are intended to be assembled into the next level assembly. Materion Brush agrees to negotiate in good faith an extension to the warranty date for each part number as the project is executed.

PURCHASE ORDER N° 309 696 (placed by Email)

Date : December 18. 2012

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7) Confidentiality

It is imperatively required that the parties involved in this order (manufacturer, subcontractors...) never divulgate that they work on the AREVA order for the Be elements for the Reactor Jules Horowitz, and never publish any fabrication data nor drawings nor inspection results, by any kind of support (paper, website, pictures, models...). For any information divulgation about this project, a written agreement must be obtained from Areva.

This confidentiality clause must be respected during 10 years after termination of this order.

8) Acceptance conditions

There are different delivery milestones along the order manufacturing period, as shown in the attached file "RJH milestones-order version-dec12". The nature of the items to be delivered can be :

- documentation
- powder characterization files including the inspection results required by the order technical specification
- mechanical test result files including the elements required by the order technical specification
- beryllium parts together with their full characterization file as required by the order technical specification

For each item other than Be parts, the item acceptance will be confirmed to Materion Brush within 3 weeks after delivery (due to the Areva's validation time).

For each lot of Be parts, there will be a review of the full characterization file relative to each lot before shipment. A source inspection meeting will be organized by Materion Brush for each lot of Be elements ; Acal BFi France and Areva will be invited to this meeting with a 30 day notice at least.

The shipment acceptance will be confirmed by writing to Materion Brush, within 3 weeks max. from the submission of the full Be part characterization file (this submission would take place during the source inspection meeting at Materion Brush if Acal BFi France came to assist to this meeting ; if not, it would be sent to Acal BFi France).

After shipment, at arrival on site (Atmostat in France), an inspection meeting will be organized on site, with the presence of Areva, Acal BFi France and possibly a person from Materion Brush in order to witness the opening of the packages and to verify no shipping damage has occurred to parts delivered to the designated storage site. **The onsite acceptance of the Be parts** will be confirmed by Acal BFi France in writing to Materion Brush 3 weeks max. after the onsite inspection meeting (due to Areva's validation time).

9) Payment terms

Each invoice (advanced payments as per the attached file "RJH milestones-order version-dec12") will be sent by Materion Brush to Acal BFi France after receiving the formal acceptance on each deliverable (documents or tests).

End of document

- - - -



Brush Beryllium & Composites

14710 W Portage River South Rd
Elmore, OH 43416
USA

Customer End-Use Statement

Purchase Order Number	309 696
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Description & Quantity of Materion Brush Product(s)
Items 1 to 24 (machined Be reflector elements) and additional machining, documentation and packaging costs as per your quotation 200 963 38

Country of Ultimate Destination	France
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Foreign End User Name	CEA CADARACHE
Contact	
Address	13 108 Saint-Paul-lez-Durance
City/Country	FRANCE
Postal Code	13 108
Telephone	
Fax	
E-Mail	

Foreign Consignee Name (if different than end user)	AREVA TA
Contact	Jean-Louis GOMEZ
Address	13593 Aix-en-Provence
City/Country	FRANCE
Postal Code	13593
Telephone	
Fax	
E-Mail	



Brush Beryllium & Composites

14710 W Portage River South Rd
Elmore, OH 43416
USA

Foreign Intermediate Name (if different than end user)	Acal BFi France
Contact	Vincent COURTY
Address	4, allée du Cantal - ZI La Petite Montagne Sud
City/Country	LISSES - FRANCE
Postal Code	91018
Telephone	
Fax	
E-Mail	mamarie-ajoelle.poret@acalbfi.fr

US Freight Forwarder and/or Consignor	
Contact	
Address	
City/Country	
Postal Code	
Telephone	
Fax	
E-Mail	

**What does the End User Company manufacture, or what type of service do they provide?
(Please be specific)**

CEA Cadarache is one of the 10 research centres of the French "Commissariat à l'Energie Atomique et aux Energies Alternatives". The CEA Cadarache activities are R&D activities mainly on civil nuclear energy (fusion and fission) and on new alternative energy technologies.



Brush Beryllium & Composites

14710 W Portage River South Rd
Elmore, OH 43416
USA

**What is the purpose/end use for which this product/material will be used? Or, how will the information obtained by this product be used?
(Please be specific)**

The Be parts to be delivered are components of the experimental nuclear Reactor Jules Horowitz (RJH) ; their function is to reflect the core neutrons and to support experimental devices.

The RJH is a research tool for studying the materials and nuclear fuel to be used in civil nuclear reactors in the future. It is also one of the main radio-isotope producers for medical use, by providing 25 to 50% of the European consumption.

Any additional information? Please provide any necessary additional information, including web pages from your company/end user company.

We the undersigned, certify that we will not divert, transship, or re-export the above mentioned products in contravention to US export laws and regulations and/or without obtaining requisite re-export licenses. We also certify that (a) the products will not be used, directly or indirectly, in any application involving missile technology, nuclear proliferation and chemical and biological weapons proliferation; and (b) the information we have provided is true and correct to the best of our knowledge.

Authorized Signature for Contact Person

Date: December 18.2012

Title: Managing Director, Acal BFi France

Company: Acal BFi France

Thank you for your time and effort taken with this end use information. It will greatly assist our export compliance efforts.

Please feel free to call me at 419-862-4127, or email me at robyn.sautter@materion.com should you have any questions or comments.

Regards,

**Robyn L. Sautter
Materion Brush Inc.**