

NRC FORM 7 (8-2011) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027 EXPIRES: 08/31/2012 <small>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.</small>	
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="font-size: 1.2em;">6-27-12</div>	
LICENSE NUMBER <div style="font-size: 1.2em;">XMAT 424</div>		DOCKET NUMBER <div style="font-size: 1.2em;">11006032</div>		ADAMS ACCESSION NUMBER <div style="font-size: 1.2em;">ML12180A4L9</div>	
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS, OR CONSENT REQUESTS <i>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</i>					
1. NAME AND ADDRESS OF APPLICANT/LICENSEE GrafTech International Holdings Inc. 12900 Snow Road Parma, OH 44130 USA		1a. NAME OF APPLICANT'S CONTACT Eric W. Petersen		1b. APPLICANT'S REFERENCE NUMBER GTINRC001	
		1c. PHONE NUMBER (216) 676-2384		1d. FAX NUMBER (216) 676-2276	
		1e. E-MAIL ADDRESS eric.petersen@graftech.com			
2. TYPE OF ACTION REQUESTED <i>(Check One)</i> <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> EXPORT (Parts B, C, E) </div> <div> <input type="checkbox"/> IMPORT (Parts B, D, E) </div> <div> <input type="checkbox"/> AMENDMENT/RENEWAL Current License Number: </div> <div> <input type="checkbox"/> CONSENT REQUEST (Parts B, C) Current License Number: </div> </div>					
3. CONTRACT NUMBER(S) To be determined		4. FIRST SHIPMENT DATE Upon NRC license approval		5. LAST SHIPMENT DATE 5 years after approval date	
6. PROPOSED EXPIRATION DATE 5 years after approval date					
PART C. TO BE COMPLETED FOR EXPORT LICENSES, AMENDMENTS, RENEWALS OR CONSENTS <i>(If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)</i>					
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT Please see page 3.		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S)		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Shanghai Institute of Applied Physics Chinese Academy of Sciences 2019 Jia Luo Road Jiading District Shanghai 201800 P.R. China Telephone: +86 21 39194867 Contact Person: Mr. Huo Xia	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED Please see page 3.		8a. INTERMEDIATE USE(S)		9a. ULTIMATE END USE(S) Please see page 3.	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT Material: Nuclear grade graphite Possible max. quantity (for 5 year project): US\$ Possible max. quantity (for 5 year project): 40,000 kg Additional information: Please see page 3.		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)		10b. MAX ENRICHMENT OR WGT %	
		10c. MAX ISOTOPE WGT (KG)			
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)					

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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 XMA 424	DOCKET NUMBER 11006032	ADAMS ACCESSION NUMBER ML21804429	<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 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 Eric W. Petersen, Global Trade Compliance Manager	18b. SIGNATURE - AUTHORIZED OFFICIAL 
18c. DATE 6-26-12	

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

LICENSE NUMBER

XMAT424

DOCKET NUMBER

11006032

ADAMS ACCESSION NUMBER

ML12180A429



PUBLIC

OR



NON-PUBLIC

ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

Block 7: Other suppliers involved with this application would all be related parties. Other possible supplier locations would be as follows:

#1

GrafTech International Holdings Inc.
791 Santa Fe Pike
Columbia, TN 38401
USA

#2

GrafTech International Holdings Inc.
101 N. Philippi Pike
Anmoore, WV USA 26323
USA

Block 7a.: Parties (2) noted in Block 7 could potentially produce and export (along with applicant noted in Block 1 of this application) the nuclear grade graphite noted in this application.

Block 9a: The ultimate consignee plans to test various types of graphite material in a Molten Salt type nuclear reactor. The initial stages of this project will be to test various types of graphite for this eventual application. This program is in the testing and validation stage, with plans to scale up this technology to the demonstration scale.

Block 10a.: Initially, the applicant intends to export limited quantities (less than 1,000 kg) of nuclear grade graphite to the ultimate consignee until such time that the ultimate consignee's needs increase. The total maximum quantity and value noted in this application (40,000 kg) is based upon the total, projected potential demand for this business opportunity.

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