


NRC FORM 7 (2012) 10 CFR 110		U. S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB NO. 3150-0027		EXPIRES (11-30-2015)	
				Estimated burden per response to comply with this mandatory collection request is 30 minutes. This estimate is believed to ensure that the appropriate regulatory, regulatory, and policy considerations are met. Send comments regarding burden estimate or this collection of information, including suggestions for reducing burden, to Washington Headquarters Office of Management and Budget, Paperwork Project Director (0304-0188), Washington, DC 20503. It is requested that you not respond to this collection of information unless it displays a currently valid OMB control number. The OMB may not approve collection of information if it is not required to respond to the information collection.			
APPLICATION FOR NRC EXPORT OR IMPORT LICENSE, AMENDMENT, RENEWAL, OR CONSENT REQUEST(S) (See Instructions on Pages 4 and 5)							
PART A. FOR NRC USE ONLY		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC		DATE RECEIVED SEP 01 2015 SF			
LICENSE NUMBER XCOM1297		DOCKET NUMBER 11006212		ADAMS ACCESSION NUMBER ML15245A239			
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 NDA Technologies Incorporated Suite 253, PMB A80 9550 S. Eastern Ave. Las Vegas, NV 89123		1a. NAME OF APPLICANT'S CONTACT Luther Welsh, Jr.		1b. APPLICANT'S REFERENCE NUMBER NDA150831			
		1c. PHONE NUMBER 5095549927		1d. FAX NUMBER 4082736707			
		1e. E-MAIL ADDRESS Luke.Welsh@gmail.com					
2. TYPE OF ACTION REQUESTED (Check One)							
<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) 2015CJNF/NDA0011		4. FIRST SHIPMENT DATE 31 Oct 2015		5. LAST SHIPMENT DATE 31 Dec 2015		6. PROPOSED EXPIRATION DATE 31 Dec 2020	
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 See Page 3		8. NAME(S), ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) None		9. NAME(S), ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) China Jianzhong Nuclear Fuel Co. Ltd. (CJNF) No. 1 Yingbin Rd, Yibin Xian, Yibin City, Sichuan PR China 64400 Mr LIU Wenyu +86 831 7028 534 cjnfluwenyu@163.com			
1a. FUNCTION(S) PERFORMED SERVICE(S) PROVIDED See Page 3		2a. INTERMEDIATE USE(S) None		3a. ULTIMATE END USE(S) 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 Standard components (see Page 4) for equipment described in paragraph (b)(3)(iii) of Appendix O of CFR Part 110. Contract value \$. Please treat as confidential				10a. MAX TOTAL VOLUME ELEMENT WGT (KG) OR TOTAL ACTIVITY (TBq) None		10b. MAX ENRICHMENT OR WGT % None	
				10c. MAX ISOTOPE WGT (KG) None			
11. FOREIGN OBLIGATIONS, BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME None							

NRC FORM 7
10-2012
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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 XCOM1297	DOCKET NUMBER 11006212	ADAMS ACCESSION NUMBER ML5245A239	<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 and 4 first and then attach additional sheets, if necessary.)

12 NAME(S), ADDRESS(ES), OFFICE(S), 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)
102 NRC EXPORT LICENSE NUMBER(S) (Accession #)	103 LICENSE NUMBER(S), EXPIRATION DATE(S)	104 LICENSE NUMBER(S), EXPIRATION DATE(S)
	105 INTERMEDIATE USE(S)	106 ULTIMATE END USE(S)
15 DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	109 MAX TOTAL VOLUME ELEMENT ACTING AS OR TOTAL ACTIVITY(ies)	108 MAX ENRICHMENT OR ACTIVITY
		107 MAX ISOTOPE ACTIVITY
16 FOREIGN DELIBERATIONS 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.	
101 PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL Luther Welsh, Jr. President	100 SIGNATURE OF AUTHORIZED OFFICIAL 
103 DATE 31 Aug 2015	

NRC FORM 7

U. S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER XCOM1297	DOCKET NUMBER 11006212	ADAMS ACCESSION NUMBER ML5245A239	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicant's block numbers from page 1 and/or page 2 for each entry)

BLOCK 7

(a) Mr. Craig DeVITO
Surbore Inc.
250 Nagareda Drive
Gilroy, CA 95020
<http://www.surbore.com/>

(b) Mr. Philip PARKHURST
Proteus Inc.
20 Senlac Hills Drive
PO Box 747
Chagrin Falls, Ohio 44022
<http://proteus-pp.com/>

(c) Dr. Thomas GUETTINGER
UniWest
122 South 4th Avenue
Pasco, WA 99301
<http://www.uniwest.com/>

(d) Mr. Fritz ARLBERG
Micro Design Labs LLC
2942 N 24th Street, Suite #114-479
Phoenix, AZ 85016
<http://microdesignlabs.com/>

BLOCK 7a

- (a) Machine Shop (mechanical conveyor components)
- (b) Gamma radiation detectors (measure low enriched U235)
- (c) Eddy Current equipment (verify uniformity inside commercial fuel rod)
- (d) Gamma detector electronics

BLOCK 9a

Nondestructive inspection of manufacturing defects in commercial nuclear fuel rods. Components are unsuitable for MOX fuel because gamma detectors would saturate. This equipment is not part of the process control for the manufacturing of production fuel rods; it merely inspects the finished product.

Components were specifically designed for inspection of commercial fuel rods.

Components are NDA's standard "off the shelf" parts which are manufactured upon demand.

NDA supplied like components which are installed on the passive rod scanner at the Areva NP factory in Richland, WA, USA.

Rec'd SEP 01 2015

NRC FORM 7
11/2012
10-000-010

U. S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER XCOM1297	COUNTRY NUMBER 11006212	ADAMS ACCESSION NUMBER ML19245A239	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicant's block numbers from page 1 and/or page 2 for each entry)

BLOCK 10

Equipment is a co-operative effort between NDA and CJNF.

NDA (USA) to supply some of the rod conveyor mechanical components (e.g. pulleys), gamma radiation detectors and electronics (verify low enriched U235 content), densitometer gamma radiation detector (e.g. measure rod lengths and gaps between U235 pellets), uniformity test equipment (identify broken U235 pellets inside rod), PC software, and consulting.

CJNF (China) to supply small radioactive sources (Cs137), scanner framework (extruded aluminum skeleton), sensors (e.g. proximity switches), densitometer housing, pneumatic controls, motors, power supplies, material handling system, and PLC software.

ADDITIONAL INFORMATION

Some NDA components use sub-components manufactured overseas, including:

1. (China) Photo Multiplier Tubes (PMTs) for gamma detectors
2. (China) Tungsten shields for gamma detectors
3. (China optional) Printed Circuit Boards (PCBs) for electronics
4. (Ukraine, China optional) Cesium Iodide (CsI) scintillation crystals for gamma detectors

The UniWest equipment is model US454, US454a, or equivalent.

See http://www.uniwest.com/US-454A_US-454-P4.aspx

UniWest exports to China and throughout the world.

Proteus exports to China and throughout the world.

URGENCY

The components are for a passive rod scanner for CJNF's Factory 8 Line 2. This line must go into production in early 2016 to make fuel for Chinese power reactors coming on line. Assembly, testing, and qualification are time consuming. The mechanical parts are needed urgently, followed by the gamma radiation detectors.