

NRC FORM 7 (6-2006) 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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to infocollect@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: 06/30/2009	
APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (See Instructions on Page 5)							
PART A. FOR NRC USE ONLY		PUBLIC OR NON-PUBLIC		DATE RECEIVED			
LICENSE NUMBER		DOCKET NUMBER		ADDITIONAL IDENTIFICATION NUMBERS			
XBP109				6/17/08			
PART B. TO BE COMPLETED FOR ALL 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.)							
1. NAME AND ADDRESS OF APPLICANT/LICENSEE J.L. Shepherd and Associates 1010 Arroyo Ave. San Fernando, CA 91340-1822				1a. NAME OF APPLICANT'S CONTACT J.L. Shepherd		1b. APPLICANT'S REFERENCE NUMBER MK5217	
				1c. PHONE NUMBER (818) 898-2361		1d. FAX NUMBER (818) 361-8095	
				1e. E-MAIL ADDRESS sales@jlshepherd.com info@...			
2. TYPE OF NRC LICENSE REQUESTED (Check One) <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <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"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) </div> <div> <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: XBP69 </div> </div>							
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE 6/1/08		5. LAST SHIPMENT DATE 6/1/12		6. PROPOSED EXPIRATION DATE 6/1/12	
PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED 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 N/A			8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) N/A			9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Centro Nacional de Investigaciones Cardiovasculares (CNIC) C/Melchor Fernandez Almagro, 3 Edificio CNIC 28059 MADRID	
7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED N/A			8a. INTERMEDIATE USE(S) N/A			9a. ULTIMATE END USE(S) Radiation of Biological Materials	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS 2 each Reviss RSL 6270 Special Form Cs-137 sources of ≤ 14.8 TBQ and two each DSK 2384 (JLS&A 6800) Special Form Cs-137 sources of ≤ 3.626 TBQ will be shipped. Shipment will be made in either of two modalities: Reviss 3750 B(U) package or two each QSA Global Model 702 B(U) packages, each of which would contain one				10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 36.86 TBQ Cs-137 in two each Special Form Reviss RSL 6270 sources of ≤ 14.8 TBQ each and two each DSK 2384 (JLS&A 6800) Spe-		10b. MAX ENRICHMENT OR WGT % N/A	
						10c. MAX ISOTOPE WGT (KG) 59 grams	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A							

NRC FORM 7

(6-2006)

10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER XEP109	DOCKET NUMBER	ADAMS ACCESSION NUMBER	FOR PUBLIC OR NON-PUBLIC
---------------------------------	---------------	------------------------	--------------------------

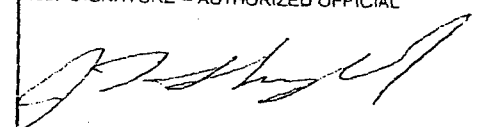
PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS

(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 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. INTERMEDIATE 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, OR RENEWALS

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 checked="" 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 J.L. Shepherd President/RSO	18b. SIGNATURE - AUTHORIZED OFFICIAL 	18c. DATE 4/25/08

NRC FORM 7

(6-2006)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER <u>XB7109</u>	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> OR <input type="checkbox"/> NON-PUBLIC
---------------------------------	---------------	------------------------	--

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

Page #1 Block 10.

each RLS 6270 and one DSK 2384.

These sources are transferred on-site from the shipping packages to the single shielded source rod in the Mark I Model 68A Category I Irradiator using transfer shields during which procedure the Cs-137 sources are completely shielded at all times and there is no significant radiation exposure to either the environment or JLS&A personnel.

Page #1 Block 10a.

cial Form sources of ≤ 3.626 TBQ each.

APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER XB P 109	DOCKET NUMBER	FORMS ACCESSION NUMBER	PUBLIC OR NON-PUBLIC
-----------------------------------	---------------	------------------------	----------------------

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

ADDENDUM # 1 from page #1

Box # 1b. MK5221

Box # 9. Centro De Investigacion Biomedica De La Universidad De Granada
Avenida del Conocimiento, s/n, 18100, Armilla, Granada.Box # 10. 2 each Reviss RSL 6270 Special Form Cs-137 sources of ≤ 13.6 TBQ and two each DSK 2384 (JLS&A 6800) Special Form Cs-137 sources of ≤ 3.40 TBQ will be shipped. Shipment will be made in either of two modalities: Reviss 3750 B(U) package or two each QSA Global Model 702 B(U) packages, each of which would contain one each RLS 6270 and one DSK 2384.

These sources are transferred on-site from the shipping packages to the single shielded source rod in the Mark I Model 68A Category I Irradiator using transfer shields during which procedure the Cs-137 sources are completely shielded at all times and there is no significant radiation exposure to either the environment or JLS&A personnel.

Box 10a. 34 TBQ Cs-137 in two each Special Form Reviss RSL 6270 sources of ≤ 13.6 TBQ each and two each DSK 2384 (JLS&A 6800) Special Form sources of ≤ 3.40 TBQ each.

Box 10c. 54.3 grams.

ADDENDUM # 2 from page #1

Box # 1b. MK5218

Box # 9. Instituto De Investigaciones Biomedicas Alberto Solis
C/ Arturo Duperier, 4 (28029-Madrid)Box # 10. 2 each Reviss RSL 6270 Special Form Cs-137 sources of ≤ 14.2 TBQ will be shipped. Shipment will be made in either of two modalities: Reviss 3750 B(U) package or two each QSA Global Model 702 B(U) packages, each of which would contain one each RSL 6270 and one DSK 2384.

These sources are transferred on-site from the shipping packages to the single shielded source rod in the Mark I Model 68A Category I Irradiator using transfer shields during which procedure the Cs-137 sources are completely shielded at all times and there is no significant radiation exposure to either the environment or JLS&A personnel.

Box # 10a. 28.4 TBQ Cs-137 in two each Special Form Reviss RSL 6270 sources of ≤ 14.2 TBQ each.

Box # 10c. 45.4 grams.

JL SHEPHERD & ASSOCIATES

1010 ARROYO AVE., SAN FERNANDO, CALIFORNIA 91340-1822

818-898-2361 FAX 818-361-8095

6/12/08

Received 6/17/08
XBP109

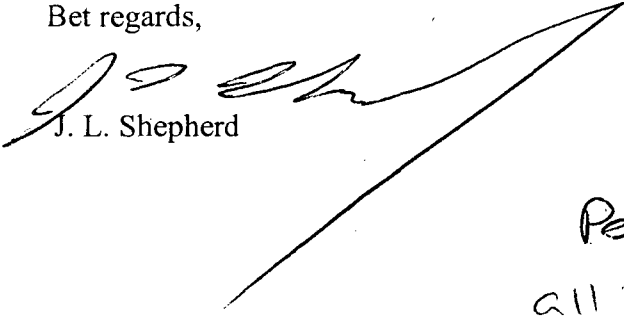
USNRC
Office of International Programs
Attn: Stephen Dembeck
Mail Stop 04E21
11555 Rockville Pike
Rockville, MD 10852

Dear Mr. Dembeck,

Per our conversation of last week we wish to amend our application for an Export License to ship to Spain (Reference application number XBP 109) to include two additional Mark I irradiators to be delivered to Licensees in Spain.

Attached are the completed revised forms and copies of the Licenses issued to entities in Spain. Please call if we may provide additional information.

Bet regards,


J. L. Shepherd

Per 6-18 Telecom, we must have
all 3 Spain addresses & Tbg
data on the license.

Diana Shepherd, VP

NRC FORM 7

(6-2006)

10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0027

EXPIRES: 06/30/2009

APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL

(See Instructions on Page 5)

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 Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@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.

PART A. FOR NRC USE ONLY		<input type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED 4/29/08
LICENSE NUMBER XBP 109	DOCKET NUMBER	ADAMS ACCESSION NUMBER	

PART B. TO BE COMPLETED FOR ALL 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.)

1. NAME AND ADDRESS OF APPLICANT/LICENSEE J.L. Shepherd and Associates 1010 Arroyo Ave. San Fernando, CA 91340-1822	1a. NAME OF APPLICANT'S CONTACT J.L. Shepherd	1b. APPLICANT'S REFERENCE NUMBER MK5217
	1c. PHONE NUMBER (818) 898-2361	1d. FAX NUMBER (818) 361-8095
	1e. E-MAIL ADDRESS sales@jlshepherd.com	
2. TYPE OF NRC LICENSE REQUESTED (Check One)		
<input checked="" type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: XBP69		
3. CONTRACT NUMBER(S)	4. FIRST SHIPMENT DATE 6/1/08	5. LAST SHIPMENT DATE 6/1/12
6. PROPOSED EXPIRATION DATE 6/1/12		

PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED 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 N/A	8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) N/A	9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) Centro Nacional de Investigaciones Cardiovasculares (CNIC) C/Melchor Fernandez Almagro, 3 Edificio CNIC 28059 MADRID	
7a. LIST FUNCTIONS PERFORMED/SERVICE PROVIDED N/A	8a. INTERMEDIATE USE(S) N/A	9a. ULTIMATE END USE(S) Radiation of Biological Materials	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS 2 each Reviss RSL 6270 Special Form Cs-137 sources of ≤ 14.8 TBQ and two each DSK 2384 (JLS&A 6800) Special Form Cs-137 sources of ≤ 3.626 TBQ will be shipped. Shipment will be made in either of two modalities: Reviss 3750 B(U) package or two each QSA Global Model 702 B(U) packages, each of which would contain one	10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 36.86 TBQ Cs-137 in two each Special Form Reviss RSL 6270 sources of ≤ 14.8 TBQ each and two each DSK 2384 (JLS&A 6800) Spe-	10b. MAX ENRICHMENT OR WGT % N/A	10c. MAX ISOTOPE WGT (KG) 59 grams
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) N/A			

NRC FORM 7
(6-2006)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)

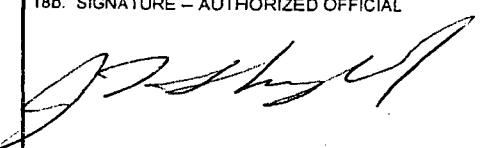
LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC <input type="checkbox"/> OR <input type="checkbox"/> NON-PUBLIC
----------------	---------------	------------------------	--

PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED 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 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. INTERMEDIATE 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, OR RENEWALS

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 checked="" 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 J.L. Shepherd President/RSO	18b. SIGNATURE - AUTHORIZED OFFICIAL 
18c. DATE 4/25/08	

NRC FORM 7
(6-2006)
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR NRC EXPORT/IMPORT
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER	DOCKET NUMBER	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
----------------	---------------	------------------------	---

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

Page #1 Block 10.

each RLS 6270 and one DSK 2384.

These sources are transferred on-site from the shipping packages to the single shielded source rod in the Mark I Model 68A Category I Irradiator using transfer shields during which procedure the Cs-137 sources are completely shielded at all times and there is no significant radiation exposure to either the environment or JLS&A personnel.

Page #1. Block 10a.

cial Form sources of $\leq 3.626\text{TBQ}$ each.