

DKT- 030-38438
LICENSE- NEW
INST. Code- 24002

SHARP
Sharp Electronics Corporation
Sharp Plaza
Mahwah, NJ 07495

March 30, 2011

Licensing Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

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Application For Materials License NRC Form 313

Please find attached two copies of our Application For Materials License NRC Form 313 along with support information.

Sharp recently learned that there were very slight traces of radioactivity in the small amount of Krypton 85 gas in our projector replacement lamps (bulbs) stored in our warehouses in Rancho Cucamonga, CA and Romeoville, IL. Therefore we have prepared an application for the above License.

We submitted State required Licenses for storage and distribution in Illinois on October 28, 2010 and California on March 21, 2011. Sharp always strives to be compliant with all State and Federal Regulations and would be grateful to the NRC for expediting this License request so we can meet our obligations.

MAIL CONTROL #
574888

Since we could not discern the Application Fee for our products, we ask that the NRC bill us at the required amount. Please feel free to contact me if you need any further information at 201-760-3897 or at Alex.Pellerito@SharpUSA.com.

Sincerely,

A handwritten signature in black ink, appearing to be 'APJ', written in a cursive style.

Alexander Pellerito, Jr.
Associate General Counsel – Trade Relations

(3-2009)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy 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, (3150-0120), 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.

APPLICATION FOR MATERIALS LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
612 E. LAMAR BOULEVARD, SUITE 400
ARLINGTON, TX 76011-4125

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

<p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input checked="" type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____</p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>SHARP ELECTRONICS CORP. 1 SHARP PLAZA MAHWAH, NJ 07495</p>
<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>ILLINOIS - 1300 MAPLEVILLE DRIVE ROMEOVILLE, IL 60446 CALIFORNIA - 9050 HERMOSA AVE. RAYCHO CUCAMONYA, CA 91730</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>ALEXANDER PELLENZO, JR.</p> <p>TELEPHONE NUMBER</p> <p>201-760-3897</p>

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>		
<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>	<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>		
<p>9. FACILITIES AND EQUIPMENT.</p>	<p>10. RADIATION SAFETY PROGRAM.</p>		
<p>11. WASTE MANAGEMENT.</p>	<p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <table border="1"> <tr> <td>FEE CATEGORY</td> <td>AMOUNT ENCLOSED \$</td> </tr> </table>	FEE CATEGORY	AMOUNT ENCLOSED \$
FEE CATEGORY	AMOUNT ENCLOSED \$		

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

<p>CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE</p> <p>ALEXANDER PELLENZO, JR.</p>	<p>SIGNATURE</p> 	<p>DATE</p> <p>3/29/2011</p>
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FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

Additional Answers to NRC Form 313 License Application for Sharp Electronics Corp.

Question #5 – Radioactive Material

The products at issue are Lamps (light bulbs) for Projectors that contain an electron tube filled with only a trace amount of the gas Krypton-85 (Kr-85). Each electron tube has approximately 0.54 mCi of Kr-85.

The outer envelope of the electron tube consists of quartz glass, which is fused to close each end to form a cylinder approximately 52 mm long, and 10.5 mm in diameter. The electron tube will not operate if the seal is imperfect or the glass envelope is cracked or otherwise compromised.

The number of lamps stored at either facility in Illinois or California is not expected to exceed 25,000 units at any one time, therefore the maximum amount of Kr-85 to be possessed at any time in both facilities combined will be approximately 27,000 mCi.

Question #6 – Purpose for which licensed material will be used

The lamp is commonly used in commercial projectors because of its high light output, long life, and ability for use within a confined environment.

Question #7 – Individual responsible for radiation safety program and their training experience

The Radiation Officer is Wayne Myrick. His training is attached as Supplement A. He has served in this capacity for Sharp since the 1990's.

Question #8 – Training for individuals working in or frequenting restricted areas

All individuals working in and around the areas where the lamps are stored have received the necessary training to ensure that safety procedures are followed. Everyone was provided with the Safety Manual and given a training seminar on proper handling and safety procedures.

Question #9 – Facilities and Equipment

Supplement B contains the schematics of the warehouses storing the lamps and the areas the lamps are stored. No special equipment other than a designated waste disposal unit is present because of the extremely low radioactivity level of the Kr-85 lamps and the trace quantities of the gas.

Question #10 – Radiation Safety Program

Please see Supplement C for the Radiation Manual.

Question #11 – Waste Management

Please see Supplement C for the Radiation Manual which contains a section on Waste Management.