

# GENERAL ELECTRIC

GENERAL ELECTRIC COMPANY, NELA PARK, CLEVELAND, OHIO 44112  
Phone (216)

1350-1217  
LIGHTING  
BUSINESS  
GROUP

June 20, 1985

Materials Licensing Section  
U.S.N.R.C., Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Applicant	<i>July 19</i>
Check No.	<i>179255</i>
Amount	<i>\$120</i>
Type of Fee	<i>3B and</i>
Date Check Rec'd	<i>7/29/85</i>
Received By	<i>[Signature]</i>

*34-05605*

Re: Application for Amendment, License 34-00054-05

Dear Sir/Madam:

Please accept this as an application for amendment of our Byproduct Materials License No. 34-00054-05. Among other things, this license permits the possession and handling incident to distribution of lamps containing electron tubes which in turn contain exempt quantities of krypton-85. These lamps are then distributed by us as exempt items under another license (No. 34-00054-07E).

We would like to now begin manufacturing the lamps ourselves. We will be purchasing the electron tubes from the original manufacturer of these devices and incorporating them into our own lamps. This would be done at the Circleville Lamp Plant which is currently covered under this license.

The electron tubes will be loaded by two operators into magazines containing 20 tubes. These magazines will then be loaded onto the "basing" machine which will automatically load each tube into a lamp base and attach and crimp the wire leads. After a sealed lamp is attached to the base, each unit will be flashed to test its operation. Non-functioning lamps will be rejected for either repair or disposal. I have attached a sketch of the equipment.

The individual electron tubes would be received at the plant in boxes of 800 each, five of which would be shipped in a master overpack containing a total of 4,000 electron tubes. The largest quantity estimated to be at the plant at any one time, including electron tubes received from their manufacturer, lamps in process, in storage awaiting shipment, and potential scrap awaiting disposal is 1,000,000 tubes at < 25 nanocuries per tube, or a total of 25 millicuries.

Other aspects of our program at the plant will continue as described previously. All operators handling the electron tubes or the lamps after assembly will be made familiar with our "Safe Handling Procedures" for this product.

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REG3 LIC30  
34-00054-05 PDR

CONTROL NO. 7 9374

JUL 19 1985

RECEIVED  
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REGION III

I have enclosed a check for \$120.00 to cover the amendment fee. Should you have any questions regarding this application, please contact me at (216) 266-3349.



A. M. Zielinski  
LIGHTING RESEARCH & TECHNICAL  
SERVICES OPERATION  
Environmental Control  
Operation #1350

AMZ/kz  
1673K  
attach.

xc: M. Fabere #5456  
S. Rungwerth #5454  
J. Raterman #5454  
A. Kaplan #1350  
V. Weber #5424

