| Jul Bul   |   | 0.0   | GKET                                     | .0M                                  | 40-                                   | 4851  |
|---|---|---|--|--------------------------------------|---------------------------------------|---|
| FORM AEC-BOCKETED   | FI.   |   |  |                                      |                                       | FORM APPROVED<br>OF BUDGET NO. 38-R0                  |
| For seditions USALL<br>reconsolete.<br>6-<br>SEP18196<br>SEP18196   | APPEICATION FOR   | ATOMIC ENERG  | Y COMMIS                                 | SSION                                | ENCE                                  | Bile, Copy  |
| THE THE PARTY AND A PARTY AND | application for<br>ilations in Title 10, Code of<br>preceive, possess, use, trai<br>envices described.  | of Federal Regulat<br>nsfer, deliver or ir                | ions, Chap<br>nport into                 | ter 1, Pa<br>the Uni                 | art 40, ap<br>ted State               | plication is hereby<br>s, source materia              |
| 1. (Check on the  | Ş/  | 2. NAME OF APPLICA  | ANT                                      | CONTRACTOR OF THE OWNER OF THE OWNER | A REAL PROPERTY OF THE REAL PROPERTY. |   |
| <ul> <li>(a) New license</li> <li>(b) Amendment to License No.</li> </ul>   |   | B PRINCIPAL BUSIN   | inghouse                                 |                                      | ie corp<br>(Lam                       | p Division) —   |
| C (c) Renewal of License No. SET 467  |   | Bloomfield, New Jersey                                    |  |                                      |                                       |   |
| 📋 (d) Previous Lic  | ense No.  |   | 1. | ew Jer                               | sey                                   |   |
| 4. STATE THE ADDRESS(ES   | ) AT WHICH SOURCE MATERIA   | AL WILL BE POSSESSE                                       | D R USED                                 |                                      |                                       |   |
| Bloomfiel   | d, Now Jersey   |   |  |                                      |                                       |   |
| 5 BUSINESS OR OCCUPAT   | 6 (A) IF APPLICANT IS AN INDIVIDUAL. STATE  |   |  | TE                                   | (b) AGE                               |   |
|   | b Hanufacture<br>R which source material w  |   |  |                                      |                                       | -   |
| known as<br>of Mercur   | e material is Thoriu<br>a Getter. This Gett<br>y lamps. This Gette  | ter is a source<br>er contains 66)                        | e of Emis<br>5 Thorium                   | sion i<br>Ocide                      | n the E<br>。                          | lectrodes   |
| 8. STATE THE TYPE OR T<br>POSSESS, USE, OR TRAI<br>(a) TYPE   | YPES, CHEMICAL FORM OR F<br>NSFER UNDER THE LICENSE<br>(b) CHEMICAL FORM  | (c) PHYSICAL  |  |                                      | (d) MAX                               | PROPOSE TO RECEN<br>IMUM AMOUNT A<br>E TIME (in pound |
| NATURAL URANIUM   |   |   |  |                                      |                                       |   |
| URANIUM DEPLETED IN<br>THE U-235 ISOTOPE  |   |   |  |                                      |                                       |   |
| (e) MAXIMUM TOTAL O   | Thorium Oxide (Th (<br>UANTITY OF SOURCE MATERIA<br>150 Lbs. Th O <sub>2</sub>  | 0) Powder (:<br>L'You will have on                        | 1005 Th (                                | D2)                                  | 0.60 I                                | bs. in proces   |
| BE USED INDICATING T<br>A THOROUGH EVALUAT  | AL PHYSICAL METALLURGICAL<br>HE MAXIMUM AMOUNT OF SOU<br>ION OF THE POTENTIAL RADIAT<br>of Th O <sub>2</sub> is applied<br>ist and radiation is | to each of two  | electro                                  | les by                               | of THOSE P<br>metal a                 | pplicator.  |
| 10 DESCRIBE THE MINIM<br>PLICANT'S SUPERVISE<br>APPLICANT IS AN IND   | UM TECHNICAL QUALIFICATION<br>RY PERSONNEL INCLUDING PE<br>IVIDUAL).  | NS INCLUDING TRAINI<br>RSON RESPONSIBLE F                 | NG AND EXP<br>OR RADIATIC                | ERIENCE<br>IN SAFETY                 | THAT WILL                             | BE REQUIRED OF  |
| All perso<br>with use   | onnel involved are i<br>of material involve   | nstracted in s<br>d and Standard                          | afety re<br>Practic                      | quireme<br>es Proc                   | ents con<br>Dedures.                  |   |
| AND RELATE THE USE<br>AND RELATED INSTRU-<br>radiation detection instrum<br>strument).  | MENT AND FACILITIES WHICH W<br>OF THE EQUIPMENT AND FACILI<br>(MENTS (including film badges, down<br>nents should include the instrument co     | meters, counters, air samp<br>naracteristics such as type | of radiation det                         | survey equi<br>ected, wind           | pment as app<br>ow thickness,         | sopriate. The description<br>and the range(s) of each |
| tests, a  | iation Monitoring:<br>nd Air sampling.  |   |  |                                      |                                       |   |
| (b) METHOD, FREQUE<br>EQUIPMENT (for file   | NCY, AND STANDARDS USED II<br>n badges, specify method of calibratit  | ag and processing, of name                                | Bubbons ).                               | TED IN (#)                           | ABOVE IN                              | CLUDING AIR SAMPL                                     |
|   |   | See attach  | ment                                     |                                      |                                       |   |
| 9303240194 9  | 21103   | da na mba da          |  |                                      |                                       | 4583  |

FORM AEC-2

(3-64) Previous editions are obsolete.

## UNITED STATES ATOMIC ENERGY COMMISSION

## APPLICATION FOR SOURCE MATERIAL LICENSE

Pursuant to the regulations in Title 10, Code of Federal Regulations, Chapter 1, Part 40, application is hereby made for a license to receive, possess, use, transfer, deliver or import into the United States, source material for the activity or activities described.

| 1. (Check one)  |   | Westinghouse Fleets   | ie Corporation  |  |  |  |
|---|---|---|---|--|--|--|
| (b) Amendment   | to License No.  | PRINCIPAL BUSINESS ADDRESS  | (Lamp livision)   |  |  |  |
| K (c) Renewal of  | License No. SBT LC7   |   |   |  |  |  |
| (d) Previous Li   | cense No.   | Bloomfield, New Jersey  |   |  |  |  |
|   | S) AT WHICH SOURCE MATERIAL   | WILL BE POSSESSED OR USED   |   |  |  |  |
| Elocafiel   | ld, New Jersey  |   |   |  |  |  |
| 5. BUSINESS OR OCCUPATION   |   | (a) IF APPLICANT IS AN INDIVIDUAL. ST<br>CITIZENSHIP  | ATE (b) AGE   |  |  |  |
| Light Bulb Hamafacture  |   | No.   |   |  |  |  |
|   | OR WHICH SOURCE MATERIAL WILL   | Oxide incorporated in a cl  |   |  |  |  |
| of Hereu  | ry lamps. This Getter   | r is a source of Maission i<br>contains 665 Thorium Oxide   | 5. e  |  |  |  |
| (a) TYPE  | (b) CHEMICAL FORM   | (c) PHYSICAL FORM (Including % U or Th.)  | (d) MAXIMUM AMOUNT A<br>ANY ONE TIME (in pound  |  |  |  |
| NATURAL URANIUM   |   |   |   |  |  |  |
| URANIUM DEPLETED IN<br>THE U-235 ISOTOPE  |   |   |   |  |  |  |
| THORIUM (ISOTOPE)   | Thorina Cride (Th 6,  |   | 0.6) lbs. in proces   |  |  |  |
| (e) MAXIMUM TOTAL   | 150 Lbs. Th 02  | YOU WILL HAVE ON HAND AT ANY TIME   | (in pounds)   |  |  |  |
| 10 DESCRIBE THE MINIA<br>PLICANT'S SUPERVIS<br>APPLICANT IS AN INC  | USE AND FURNICAL QUALIFICATIONS<br>ORY PERSONNEL INCLUDING PERS<br>DIVIDUAL).                                   | each of two electrodes by<br>roduced. "Not a radiation<br>including training and experience<br>on responsible for radiation safet   | THAT WILL BE REQUIRED OF<br>Y PROGRAM IOR OF APPLICANT  |  |  |  |
| with use  | of material involved  | tracted in safety recuirem<br>and Standard Fractices Pro  | cedures,  |  |  |  |
| AND RELATE THE USE<br>AND RELATED INSTR<br>radiation detection instru<br>strument).<br>Area Red<br>tests, 1 | int in sampling.  | BE USED TO PROTECT HEALTH AND MINI<br>ES TO THE OPERATIONS LISTED IN ITEM 9<br>ters, counters, sir sampling, and other survey equ<br>acteristics such as type of radiation detected, wini<br>the Bota Carra Sarrey solo | alpment as appropriate. The descripti<br>dow thickness, and the range(s) of eac<br>or, Garface Sarcar |  |  |  |
| (A) METHOD FREQUE   | The second se | A TRACTING INFTENDED TO DETER IN (  |   |  |  |  |
| EQUIPMENT (for fi   | ENCY, AND STANDARDS USED IN C<br>im badges, specify method of calibrating a                                     | ind processing, or manic support y.   | ) ABOVE, INCLUDING AIR SAMPI  |  |  |  |
| EQUIPMENT (for fi   | ENCY, AND STANDARDS USED IN C<br>im badges, specify method of calibrating a                                     | Sec attacizent  | ) ABOVE, INCLUDING AIR SAMP   |  |  |  |