CARBIDE AND CARBON CHEMICALS COMPANY

A DIVISION OF UNION CARBIDE AND CARBON CORPORATION P.0. Boy 8004

SOUTH CHARLESTON 3, W. VA.

August 22, 1956

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By-Products Branch Isotopes Division Atomic Energy Commission Oak Ridge, Tennessee

> Lester R. Roger IEB:JNM (1612) Attention: Reference:

Gentlemen:

Please find attached Form AEC-313b, in duplicate, which we neglected to forward to you with our recent application for the purchase of Cesium 137 source holder.

Very truly yours,

Somen

Works Purchasing Department

G. S. Givens/gh Encl. MMHR

Au ou the to kin of 8-8-56 R. J. # 222

1612 APPLICATION FOR BYPRODUCT MATERIAL LICENSE () Form approved. Form AEC-313b SUPPLEMENT BASEALED SOURCES MELICAGE If application is for byproduct-material to be used in or manufactured as a "sealed source" complete this supplement and attach to the application for byproduct material license. Applicant for use of sealed source should complete Section I. An applicant desiring: to manufacture a sealed source should complete Section II. If information has been submitted previously and there are no changes in the sealed source and/or device design or other changes in information submitted previously, details requested below may be omitted provided reference is made on line below to the application or other document on which this information appears: 21(ABM) SECTION I-USE (See instructions) 1. IF SEALED SOURCE OR DEVICE CONTAINING SEALED SOURCE IS MANUFACTURED COMMERCIALLY, GIVE FOLLOWING INFORMATION: A. Manufacturer or supplier of sealed source and/or device. The Ohmart Corporation. B. Make and model number of sealed source and/or device 100 mc each; (1) Model 200 m The Ohmart Corporation In Type LAB-230 in Model el SHRM source holder ELSHRH source holder mc C. Person who will hold legal title to sealed source Louis J. Rogers. 2. (a) NAME OF PERSON WHO WILL PERFORM NECESSARY PERIODIC LEAKAGE TESTS (6-month intervals for beta-gamma; 3-month period for alpha emitters. See instructions) Not applicable. A TYPE IT AND IN THE HERO TO PRECIDENT FRANCE OF PAINGATT MITCHING STATUTOR OF THE STATUTOR (b) IF ABOVE PERSON IS NOT THE SUPPLIER, MANUFACTURER, NOR A COMMERCIAL LABORATORY ROUTINELY OFFERING SUCH SERVICES, GIVE BRIEF STATE-MENT OF EXPERIENCE OR TRAINING OF SUCH PERSON IN TECHNIQUES TO BE EMPLOYED, A STATEMENT OF LEAK TESTING PROCEDURES INCLUDING EVIDENCE OF ITS EFFICACY AND INSTRUMENTATION TO BE USED: 10. GESCHER LASEL YO BE ATFIXED TO CONTAINER ANO/CR ROUCH CL DRUDCE (Draham range 5% for the drame IL EVIDENCE OF STABILITY OF SOUTCE CONTAINER MATERICE "O IR GADIATION FROM STPROME." AATTALA DISTURE CONTACTOR ANTERICE OF STABILITY OF SOUTCE CONTAINER 3. ARRANGEMENTS WHICH WILL PREVAIL FOR PERFORMING INITIAL RADIATION SURVEY (if appropriate), SERVICING MAINTENANCE, REPAIR, CONTROL, AND DISPOSAL, ETC., OF THE SOURCE: A three-man Radioactive Materials Committee assures that safe handling procedures are observed. A centralized safe storage area has been established. Procedures for return of materials have been established and already used with O. R. N. L. Safety holder to be permanently mounted against a steel vessel for a density measurement of vessel contents. Area posted and normally not frequented by HOATTA BY employees. Radiation survey meters used during installation to safeguard persons mounting the source and to check the area. 16. DESCRIBE CONSTRUCTION AND DEFRATION OF THE POSTFORING MECHANISM FOR BAINGING SUURCE 11/TO TOKT AND THET FOR THANK SECTION II—MANUFACTURE 4. IF SEALED SOURCE TO BE MANUFACTURED OR FABRICATED BY THE APPLICANT IS DESIGNED TO TRANSMIT ONLY GAMMA RAYS AND CONTAINS IN ELEMENTAL FORM (but not powders) COBALT 60, IRIDIUM 192, GOLD 198, TANTALUM 182, OR THULIUM 170, GIVE FOLLOWING INFORMATION AND DISREGARD QUESTIONS **5 THROUGH 12 ON THIS SUPPLEMENT:** (a) Quantity of byproduct material per source and model number (b) Leak testing procedure to be employed: IC DESCRIPTION FERMINES WHICH SERVE TO MINIMIZE (c) Attach annotated engineering drawing of source container and holder, if any s chiefday as well as trailed wheels life shoreal in installant (d) Describe label to be affixed to source container and/or source holder (or attach copy). See instructions): n. Describelabel to be applied to de ія. Набілітіой рідор'ше ор а риототрре осучсе ів аттіхсургі.

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TH REPLY REFER TO. IEB: JAN (1612)

Oak Ridge, Tennessee August 8, 1956

Tr. C. S. Givens Works Purchasing Department Carbide & Carbon Chemicals Company South Cherleston 3, Sect Virginia

Subject: APPLICATION FOR CESIDA 137

Dear Mr. Givenst

This is to acknowledge receipt of your letter of July 20, wherein you submitted an application on behalf of Mr. L. J. Rogers for a 600 millicurie Cesium 137 source.

It was noted that this encapsulated source was to be obtained from The Chmart Corporation in Cincinnati, Ohio, Mr. H. L. Cook of Chmart was contacted by telephone in an endeavor to expedite our consideration of this application as you requested. However, he was not familiar with this request and therefore could not provide us with the additional information we shall need to receive. We have enclosed three copies of our supplement, Application Form AEC-3138 and Items 1, 2 and 3 of two copies should be completed and returned to this office. We are particularly interested in the LAB drawing number of the encapsulated source and the model number of the source container. LAN-236 10001 CS SHNM

We shall be pleased to continue our review upon receipt of this additional information.

truly yours

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