

AUG 10 1970

Jack R. Roeder, Chief
Materials Inspection & Enforcement Branch
Division of Compliance, Headquarters

COMPLIANCE INQUIRY MEMORANDUM - UNION CARBIDE CORPORATION
UNION CARBIDE OLEFINS COMPANY DIVISION, SOUTH CHARLESTON, WEST VIRGINIA
LICENSE NO. 47-260-2 - LEAKING SOURCE

By letter dated July 22, 1970, R. V. Sealey, Union Carbide Corporation, South Charleston, West Virginia reported that a wipe test of a Nuclear Chicago, 450 mc, Model RR-138 sealed source revealed 0.0085 uCi of contamination. No contamination to personnel or surrounding areas resulted. The leaking source would be disposed of by Chem-Nuclear Service, Inc., Columbia, South Carolina.

On August 5, 1970, Paul R. Guinn, Region II, contacted Sealey by telephone and learned that Chem-Nuclear Services removed the leaking source from the licensee's facility on July 27, 1970. Sealey said the leaking source was a 450 mc Cs-137 source which, at the time it was leak tested on July 13, 1970, was being held in storage. Several months ago the source had been used at the South Charleston, West Virginia plant in a liquid level gauge.

Original Signed by.
J. T. Sutherland

Jack T. Sutherland
Senior Radiation Specialist

CO:II:PRG

OFFICE ▶	CO:II <i>PRG</i>	CO:II <i>JTS</i>				
SURNAME ▶	PRGuinn/gbc	JTSutherland				
DATE ▶	8/10/70	8/10/70				

*Guthrie and
Dutton W.*

UNION CARBIDE CORPORATION

CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, W. VA. 25303

July 22, 1970

Director
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Sir:

In accordance with our A.E.C. By-Product Material License 47-00260-02, Item 15, Paragraph C, we are reporting to you concerning a leak wipe test exceeding 0.005 μc on a sealed Cs-137 source.

The source in question is a Nuclear Chicago 450 mc, Model RR-138 sealed source. This source was received January 1, 1962. Leak wipe tests indicated the presence of 0.0085 microcuries on the top of the source holder. Wipe tests were made on all objects in the vicinity and the rest of the source holder; all wipes indicated less than 0.003 microcuries. The source holder was potted in epoxy and removed from service to our storage area. Chem-Nuclear Services, Inc., of Columbia, South Carolina, has been contracted for disposal of this source.

If any further information concerning this source is needed, please contact me.

Sincerely yours,



Measurement Development & Technology
CHEMICALS AND PLASTICS

RVSealey/ut

cc: Director, Region II, U.S.A.E.C.
Atlanta, Georgia