



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
631 PARK AVENUE
KING OF PRUSSIA, PENNSYLVANIA 19406

Docket Nos. 50-54
70-687

AUG 21 1978

Union Carbide Corporation
ATTN: Mr. James J. McGovern
Production Manager, Radiochemicals
P. O. Box 324
Tuxedo, New York 10987

Gentlemen:

Subject: Combined Inspection 50-54/78-02; 70-687/78-01

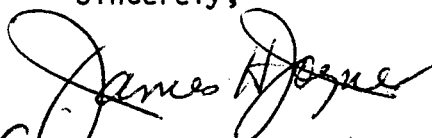
This refers to your letter dated August 9, 1978, in response to our letter dated July 13, 1978.

Thank you for informing us of the corrective and preventive actions documented in your letter. These actions will be examined during a subsequent inspection of your licensed program.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter and the referenced letter will be placed in the Public Document Room.

Your cooperation with us is appreciated.

Sincerely,


for Walter G. Martin, Chief
Safeguards Branch

cc: D. B. Hdzgraf, Nucleonics Manager
J. W. Paradiso, Reactor Supervisor
C. Konnerth, Health Physicist
R. Bollinger, Vice President, Medical Products Division



UNION CARBIDE CORPORATION

P.O. BOX 324, TUXEDO, NEW YORK 10987

TELEPHONE: 914-351-2131

CORPORATE
RESEARCH LABORATORY

August 9, 1978

U.S. Nuclear Regulatory Commission
Region 1
631 Park Ave.
King of Prussia, PA 19406

Att: Walter G. Martin
Chief, Safeguards Branch

Ref: (a) USNRC ltr
Docket 50-54, 70-687
Dated: 13 July 1978

The referenced letter reported 2 items of apparent non-compliance under our license SNM-639 which were noted in your inspections 50-54/78-02 and 70-687/78-01 of June 6-9. Corrective actions have been or will be taken as follows:

Item 1 noted that the required training specified in Sec. 1.3 of the UCFNMC plan were not carried out fully and training records had not been maintained.

A training manual has been assembled in order to facilitate personnel training in safety, safeguards and accountability when handling special nuclear material. Training of all personnel shall be completed by Dec. 31, 1978 and a standing record of all training shall be maintained.

Item 2 noted that an audit, as required in Section 8.2.1 of the UCFNMC plan, was not conducted. Although an audit had not been conducted within the required 12 month period prior to this inspection we did locate records of an audit which was conducted on 5/5/77. This audit is more recent than the 8/17/76 audit referred to in your inspection report. I have enclosed copies of the audit reports from this last audit.

An auditor will be designated by the Nuclear Safeguards Committee and an audit shall be completed by Oct. 3, 1978.

Please be advised that the duties of Dr. D.C. Freeman have been assumed by R. Bollinger, V.P., Medical Products Division. Please remove Dr. Freeman from the distribution list on future correspondence. Thank you for your cooperation.

Very truly yours,



J.J. McGovern, Manager
Radiochemical Production

JJMcG:ao

Enclosures:

Three copies of audits.

cc: D.B. Holzgraf, Nucleonics Manager
J.W. Paradiso, Reactor Supervisor
C. Konnerth, Health Physicist
R. Bollinger, Vice President, Medical Products Division



INTERNAL CORRESPONDENCE

STERLING FOREST RESEARCH CENTER

P. O. BOX 324, TUXEDO, NEW YORK 10987

(Name) Mr. A. K. Thornton

Date May 18, 1977

Division

Originating Dept.

Location

Answering letter date

Copy to Mr. K. D. George
Mr. J. J. McGovern
Mr. H. W. Nass
Mr. J. C. Perhauch

Subject

Dear Al:

I noted the following deviations from the SNM Measurement Program during my most recent audit (May 5th). The numbers following each finding refer to the corresponding section in the original submittal to NRC.

There is no cooperation calibration program of sealed target tubes between the Sterling Forest Activation Analysis Laboratory and ORNL (see 4.2.1.2).

An ORNL analysis is not being performed on natural U standards (see 4.2.3.3). This is an annual calibration requirement.

NOTE that these findings were originally directed to H. Nass. Harold felt, however, that these items were not in his area of responsibility. Please clarify this. Thank you.

L. C. Thelin

L. C. Thelin

LCT:js



INTERNAL CORRESPONDENCE

PERLING FOREST RESEARCH CENTER

P. O. BOX 324, TUXEDO, NEW YORK 10987

Name) Mr. J. C. Perhauch

Date May 18, 1977

Division

Originating Dept.

Answering letter date

Copy to
Mr. K. D. George
Mr. J. J. McGovern
Mr. H. W. Nass
Mr. C. J. Konnerth

Subject

Dear Joe:

No deviations from the SNM Measurement Program were noted during my most recent audit (May 5th).



L. C. Thelin

LCT:js



INTERNAL CORRESPONDENCE

BERLING FOREST RESEARCH CENTER

P. O. BOX 324, TUXEDO, NEW YORK 10987

(Name)
Address
Location

Mr. H. W. Nass

Date

May 18, 1977

Originating Dept.

Answering letter date

Copy to

Mr. K. D. George
Mr. C. J. Konnerth
Mr. J. J. McGovern
Mr. J. C. Perhauch

Subject

Dear Harold:

I noted the following deviation from the submitted SNM Measurement Program during my most recent audit (May 5th).

A waste drum calibration has not been performed for uranium weights which span the entire range of possible weights in any drum (0-15 grams). To date, the program has included a calibration at 3.5 grams, but none above this value.

An NRC inspector (4/21/77) noted that 40% of all barrels shipped contained more than 7 grams (twice the working standard quantity). He suggested that two more standards be made up to include the middle and upper range of barrel weights.

The inspector also suggested that we make sure all standards in the measurement program are traceable to the national measurement system. Samples may be brought from NRC for our analysis at the next inspection. Also, the inspector did not note any other particular problems with the program but noted that there would be a closer look when applicable federal regulations go into effect.

Again, I would appreciate that you send a follow-up letter to Cliff Konnerth concerning these items.

L. C. Thelin

LCT:js