70-687

Regulatory

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UNION CARBIDE

UNION CARBIDE CORPORATION

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

TELEPHONE: 914-351-2131

CORPORATE
RESEARCH LABORATORY

October 17, 1974

OCT 21 1974
U.S. ATOMIC ENERGY COMMISSION
Regulatory
Mail Section

U.S. Atomic Energy Commission
Materials & Plant Protection Branch
Directorate of Licensing
Washington, D.C. 20545

Attention: Mr. C. N. Smith

Dear Sir:

Enclosed please find Section C & F "Measurements, Statistical Controls and Inventory" of the Fundamental Materials Controls and Nuclear Material Safeguards Procedures for our Sterling Forest Laboratory.

These sections have been arranged in accordance with your outline "Guidance in Preparing Material Control and Accounting Plans," and, as requested, are being submitted as a single document. Section 4 of this enclosure is the same as Section B of our partial FMC submittal of 10/4/74. It has been repeated herein for continuity.

As a result of our most recent evaluation of inventory procedures for accuracy, one basic change has been made to our method of assay of irradiation targets. To date these targets have been assayed by weighing. In the future we intend to assay by radiometric analysis. We consider it proper to incorporate this change into the FMC at this time. Therefore, the following changes should be made to the FMC:

a. Section B., par. 1, line 4.
   delete: "determined by weighing."
   add: "measured by γ-counting"

b. Section E., par. 3, line 2.
   delete: "weighing"
   add: "γ-counting"

c. Section E., par. 4, line 2.
   delete: "weighing and"

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OCT 29 1974
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Thank you again for your consideration.

Very truly yours,

UNION CARBIDE CORPORATION
STERLING FOREST LABORATORY

J. J. McGovern
Manager, Radiochemical Production

2122

JJMcG:eb
end

SNM MEASUREMENTS, STATISTICAL CONTROLS AND INVENTORY

(Sections C and F of SFRC FMC)

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APPENDIX C

APPENDIX D

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OCT 9 1974

Union Carbide Corporation
Sterling Forest Research Laboratory
ATTN: Mr. Dean Hotzgraf, Manager
Nuclear Operations
P. O. Box 324
Tuxedo, New York 10987

Gentlemen:

This is in response to your letter, dated October 3, 1974, which discusses the submission of your fundamental material controls and your material control and accounting plan, and to our conversation of October 8, 1974.

Confirming our conversation of October 8, we expect to receive the plan required by 10 CFR 70.51(g) by October 16, 1974, rather than by the date specified in your letter.

Sincerely,

R. G. Page, Chief
Materials and Plant Protection
Branch
Directorate of Licensing

OFFICE ➤	L:MPP	L:MPP				
SURNAME ➤	CNSmith:lft x7231	RGPage				
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