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70-687

APR 22 1983

Union Carbide Subsidiary B, Inc.  
 (Company B)  
 Sterling Forest Research Center  
 ATTN: Mr. J. J. McGovern  
 Business Manager, Radiochemicals  
 P.O. Box 324  
 Tuxedo, New York 10987

Gentlemen:

This is in regards to your November 4, 1982 and March 16, 1983 letters which transmitted the final consolidation and revisions to your Fundamental Nuclear Material Control Plan.

We have determined that the consolidated and revised FNMC Plan dated November 1, 1982 is acceptable and that the changes will not adversely affect the common defense and security nor the public health and safety. Accordingly, we are revising Sections 1.0 through 8.0 of Material and Plant Protection Amendment MPP-3 to your License No. SNM-639, effective immediately, as shown in the enclosure.

The enclosure reflects the revision of License Condition 2.1, the deletion of old Conditions 2.2, 2.4, 3.1, 3.4, 6.1 through 6.4 and 7.1, and the renumbering of conditions in Sections 2.0, 3.0 and 7.0. License Condition 5.1 has been added in order to grant an exemption to the inventory requirements found in 10 CFR 70.51(d) and 70.51(e)(2) regarding SNM contained in certain solid waste materials stored at your site. The provision for the exemption is as outlined in our letter dated January 13, 1983 and your consequent incorporation of the necessary revisions into Chapter 5.0 of the November 1, 1982 FNMC Plan. License Conditions 4.2 and 4.3 have been incorporated to reaffirm the previously approved exemptions from the referenced regulations cited in the respective conditions. The conditions were inadvertently omitted from the Materials and Plant Protection Amendment MPP-3 to your License No. SNM-639 when it was revised January 19, 1981.

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APR 22 1983

We have determined that the enclosures to your letters dated November 4, 1982 and March 16, 1983, contain information of a type specified in 10 CFR 2.790(d). Accordingly, pursuant to Section 2.790(d)(1), such information is deemed to be commercial or financial information within the meaning of 10 CFR 9.5(a)(4) and shall be subject to disclosure only in accordance with the provisions of 10 CFR 9.12.

Sincerely,

Original signed by Willard B. Brown

Willard B. Brown, Chief  
Fuel Facility Safeguards  
Licensing Branch  
Division of Safeguards, NMSS

Enclosure:

Revision of Sections 1.0 through  
8.0 of Materials Plant and Protection  
Amendment MPP-3

OFFICE	SGFF	SGFF	SGFF				
SURNAME	RJackson:ah	CNSmith	WBBrown				
DATE	4/22/83	4/22/83	4/22/83				

Enclosure

Revision 1 of Sections 1.0 Through 8.0 In Their  
Entirety to Materials and Plant Protection Amendment  
MPP-3 to License No. SNM-639, Docket No. 70-687

Effective APR 22 1983

CONDITIONS

1.0 FACILITY ORGANIZATION

Currently no license conditions under this section. The appropriate requirements have been incorporated into the approved plan.

2.0 FACILITY OPERATION

2.1 The licensee shall follow the Fundamental Nuclear Material Control Plan dated November 1, 1982; and as revised in accordance with the provisions of 10 CFR 70.32(c). Appendices A through F marked "DEMONSTRATION" are included for descriptive and clarification purposes and are not part of the FNMC Plan.

2.2 Operations involving special nuclear materials which are not described in the Plan identified in Condition 2.1 shall not be initiated until an appropriate safeguards plan has been approved by the Nuclear Regulatory Commission.

3.0 MEASUREMENTS

3.1 Measurements are not required on sealed PuBe sources, and those samples intended for analysis and testing which have been determined by other means to contain less than ten grams U-235 each.

3.2 Enrichment factors determined from plating solution materials can be applied to U-235 values for sealed targets for purposes of obtaining uranium values.

4.0 MEASUREMENT CONTROL

4.1 Notwithstanding the requirements in 10 CFR 70.57(b)(4) to provide sampling systematic errors and to conduct engineering tests on all material types, the licensee shall follow the Plan identified in License Condition 2.1.

4.2 Notwithstanding the requirements of 10 CFR 70.51(e)(4)(i) to calculate the associated limit of error of material unaccounted for (i.e. LEID), the LEID value need not be calculated if the Plant inventory difference (ID) is less than 300 grams of uranium or U-235.

Docket No. 70-687  
License No. SNM-639

Effective APR 22 1983

CONDITIONS (CONTINUED)

4.3 Notwithstanding the requirement in 10 CFR 70.57(b)(8)(ii) to have a replicate program for the determination of random errors, this replicate program is not required provided the Plant ID is less than 300 grams of uranium or U-235.

5.0 INVENTORY

5.1 Notwithstanding the requirements of 10 CFR 70.51(d) and 70.51(e)(2), the licensee is not required to inventory the SNM described in Section 5.0 of the plan identified in License Condition 2.1.

6.0 RECORDS AND REPORTS

Currently no license conditions under this section. The appropriate requirements have been incorporated into the approved plan.

7.0 INTERNAL CONTROL

7.1 Accurate records shall be established and maintained which provide on a daily basis knowledge of the identity, location, and quantity of all SNM within the plant in discrete items and containers.

8.0 MANAGEMENT

Currently no license conditions under this section. The appropriate requirements have been incorporated into the approved plan.