

UNITED STATES
NUCLEAR REGULATORY COMMISSION

LICENSE AMENDMENT
FOR
SPECIAL NUCLEAR MATERIAL SAFEGUARDS

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974, and Title 10, Code of Federal Regulations, Chapter 1, Part 70, the following amendment to the special nuclear material license identified below is hereby issued, incorporating specific safeguards requirements for special nuclear material.

Licensee:

Name:	Union Carbide Subsidiary B., Inc. (Company B)	License No.:	SNM-639
		Safeguards Amendment:	SG-1
Address:	Sterling Forest Research Center P. O. Box 324 Tuxedo, New York 10987	Docket No.:	70-687
		Date Issued:	APR 11 1985

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; the page changes made thereto dated May 1, 1984; 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 FMMC 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.

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 an approved plan.

Amendment No. SG-1
Docket No. 70-687
License No. SNM-639

- 3 -

- 9.0 PHYSICAL PROTECTION REQUIREMENTS FOR SPECIAL NUCLEAR MATERIAL
OF MODERATE STRATEGIC SIGNIFICANCE
- 9.1 The licensee shall maintain and fully implement all provisions of
the Commission approved security plan titled, "Physical Security
Plan for the Union Carbide Corporation Facility at Tuxedo, New York,
Revisions 3 and 4," dated April 30, 1983, and May 19, 1983,
respectively; and as revised in accordance with the provisions of
10 CFR 70.32(e).

For the Nuclear Regulatory Commission

Willard B. Brown

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

Date of Amendment APR 12 1985