

70-687

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CASE FILE

MEMORANDUM FOR: James R. Miller, Assistant Director
for Reactor Safeguards
Office of Nuclear Reactor Regulation

FROM: James A. Powers, Acting Assistant
Director for Licensing
Division of Safeguards

SUBJECT: REQUEST FOR AMENDMENT TO SPECIAL NUCLEAR MATERIALS
LICENSE NO. SNM 639

Reference is made to the enclosed Union Carbide Corporation letter to the Division of Fuel Cycle and Material Safety. Union Carbide is currently licensed to operate a non-power reactor under 10 CFR Part 50 as well as to possess under 10 CFR Part 70 a quantity of unirradiated and irradiated high enriched uranium target material less than the threshold requiring physical protection under 10 CFR Part 73. Approval of the increase in possession limit for the irradiated HEU above the threshold quantities of 10 CFR Part 73 (as requested by Union Carbide) requires an NRC evaluation of physical protection to be afforded to this material. The material in question meets the exemption criterion of 10 CFR 73.6 for irradiated material. It is to be protected by the same measures as the spent fuel resulting from operation of the reactor. While we recognize that review of the measures for the irradiated target material remains our responsibility, it is requested that you accomplish one single NRC review encompassing the irradiated HEU target material as well as the reactor and its fuel.

LS/

James A. Powers, Acting Assistant
Director for Licensing
Division of Safeguards

Enclosure:
As stated

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DATE >	4/7/78	4/7/78	4/7/78	4/10/78		