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AUG 14 1964

USAEC, BRIDMANTOWN, MARYLAND
ROBERT L. LAYFIELD
SOURCE & SPECIAL NUCLEAR MATERIALS BRANCH
DIVISION OF MATERIALS LICENSING

GENERAL ELECTRIC COMPANY
RESEARCH LABORATORY
RIVER AND VAN ANTWERP ROADS
SCHENECTADY, NEW YORK 12301

ATTENTION: MR. HOWARD H. FAWCETT
CONSULTING ENGINEER - SAFETY

IN ORDER TO CONTINUE OUR REVIEW OF APPLICATION DATED JULY 23, 1964, WE
REQUIRE THE FOLLOWING INFORMATION:

1. MAXIMUM AMOUNT OF EACH TYPE SPECIAL NUCLEAR MATERIAL ON HAND
AT ANY ONE TIME.
2. A MORE DETAILED DESCRIPTION OF THE CHEMICAL, PHYSICAL, METALLURGICAL
PROCESSES IN WHICH THE SPECIAL NUCLEAR MATERIAL WILL BE USED,
INDICATING THE FORM (PRIOR TO ALLOYING) AND MAXIMUM AMOUNT (GRAMS)
OF SPECIAL NUCLEAR MATERIAL INVOLVED IN ALLOYED SPECIMENS.
3. IF PLUTONIUM IS REQUESTED AT THIS TIME, DESCRIBE FACILITIES AND
EQUIPMENT SUCH AS HOOD OR DRY BOX IN WHICH PU WILL BE HANDLED AND
FREQUENCY AT WHICH SURVEYS WILL BE CONDUCTED.
4. THE MAXIMUM RADIATION INTENSITY (MR/HR) THAT IS EXPECTED FROM THE
IRRADIATED SPECIMENS AND AN EVALUATION OF THE INTEGRITY OF THE
SPECIMENS FOR ASSURING CONTAINMENT OF THE SPECIAL NUCLEAR MATERIAL.

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5. DESCRIPTION OF THE ANALYTICAL PROCEDURES AND EQUIPMENT INVOLVED
IN THE EVALUATION OF THE IRRADIATED SPECIMENS, INCLUDING TYPES
OF ANALYSES AND EQUIPMENT USED FOR SUCH ANALYSES, TRANSFER AND
STORAGE CONTAINERS, AND HANDLING EQUIPMENT.

REFERENCE: DML:RL 70-379

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