

AEC, GERMANTOWN, MARYLAND
 DONALD A. NUSSBAUMER, CHIEF
 SOURCE & SPECIAL NUCLEAR MATERIALS BR.
 DIVISION OF LICENSING AND REGULATION

ROUTINE COLLECT

JANUARY 18, 1962

ENGELHARD INDUSTRIES, INC.
 D. E. MAKEPEACE DIVISION
 PINE & DUNHAM STREETS
 ATTLEBORO, MASSACHUSETTS
 ATTENTION: MR. H. M. WEISS

PURSUANT TO 10 CFR 71 YOU ARE HEREBY AUTHORIZED UNDER LICENSE SNM-185 TO
 SHIP AT ONE TIME UP TO 7.6 KG U-235 IN ACCORDANCE WITH THE CONDITIONS
 AND PROCEDURES DESCRIBED IN YOUR APPLICATION DATED DECEMBER 20, 1961.
 ALTHOUGH THE FOLLOWING CONSIDERATIONS WERE NOT A FACTOR IN OUR REVIEW OF
 THE PROCEDURES, PLEASE NOTE REGARDING YOUR STATEMENT THAT THE TOTAL
 FRACTIONAL SOLID ANGLE IS LESS THAN 0.05 WHICH IS SAFE FOR A K OF GREATER
 THAN 0.80, THAT WHEN K EXCEEDS 0.80, DIRECT EXPERIMENTAL DATA OR VALUES
 REDUCED DIRECTLY FROM SUCH DATA SHOULD BE USED INSTEAD OF SOLID ANGLE
 CALCULATIONS. FURTHER, IN APPLYING SOLID ANGLE CRITERIA THE TOTAL SOLID
 ANGLE SUBTENDED BY ALL CONTAINERS ON A CENTRAL CONTAINER MUST BE CONSIDERED
 RATHER THAN ONLY THE INTERACTION SOLID ANGLE BETWEEN THE CENTRAL UNIT AND ONE
 ADJACENT UNIT. REFERENCE LR:JCD DOCKET 70-139

Distribution:

H. J. McAlduff, Jr., CROO
 D. George, NMM
 H. Steele, LR
 Compliance, w/cy 12/20/61 appl.
 Formal
 Doc. Rm. St. Health
 Suppl. Nussbaumer
 Br. & Div. rfs
 Delaney/jc
 4:00 p.m.
 4593

C-177 OFFICE ▶	LR	LR				
SURNAME ▶	<i>Delaney</i>	<i>Nussbaumer</i>				
DATE ▶	1/18/62	1/18/62				