

2p8

LYALL JOHNSON, CHIEF, LICENSING
BRANCH, DIV. OF LICENSING &
REGULATION, INAXC, WASHINGTON
25, D. C.

ROUTINE

JANUARY 7, 1959

MALLINCKRODT CHEMICAL WORKS
ST. LOUIS 7, MISSOURI

ATTENTION: W. M. LEADERS

EFFECTIVE DECEMBER 31, 1958, THE PROCEDURES DESCRIBED IN YOUR
TAX OF DECEMBER 29, 1958 ARE APPROVED FOR THE ONE-TIME ONLY
TRANSFER FROM ST. LOUIS TO LYNCHBURG, VIRGINIA, OF THE MATERIAL
DESCRIBED IN THE REFERENCED TAX. BEFORE FUTURE SUCH SHIPMENTS
MAY BE AUTHORIZED WE REQUIRE A JUSTIFICATION OF THESE PROCEDURES
ON THE BASIS OF ACCEPTED REFERENCES.

70-36

JCDelaney LRL
B-129 x-4593
1-7-59 9:00 a.m.

Dr Luke HEB

70 98
B-20

DDDDDB

~~TWA~~ INCOMING

1952 DEC 29 PM 2 27

MALLINCKRODT STL CLG

U S ATOMIC ENERGY COMMISSION

LYALL JOHNSON LICENSING DIVISION DECEMBER 29, 1958

COMMUNICATIONS SECTION
TWA 0.01

RE APPLICATION LETTER 31 OCTOBER AND 14 NOVEMBER FOR SHIPPING
CONTAINERS. SPECIAL REFERENCE TO 5 GALLON CONTAINER IN "55 SHORTY".
WE REQUEST TEMPORARY PERMISSION TO SHIP SINGLE LAYER LOAD, 12 DRUMS
MAXIMUM PER SHIPMENT, VIA LESS TRUCK LOAD FREIGHT ST LOUIS TO
LYNCHBURG, VIRGINIA BASED ON FOLLOWING CALCULATIONS-

ACTUAL TESTS SHOW 5 GALLON DRUM CAPACITY 50 POUNDS UO₂. ASSAY 4.2 PCT
U-235 AND 87 PERCENT U CONTENT. THIS EQUALS 0.848 KG U-235 PER 5 GALLON
DRUM. MOISTURE CONTENT BY KARL FISCHER TEST 0.2 PER CENT GIVING
H₂O RATIO 1.396. VOLUME OF BIRDCAGE DRUM 43 GALLONS EQUALS 3.748
CUBIC FEET. TABLES 5, 6 AND 7 OF TID-7016 INDICATE THAT REQUESTED
TRANSPORTATION ARRAY IS WELL WITHIN SPECIFIED LIMITS.

PLEASE WIRE OR PHONE APPROVAL AS SOON AS POSSIBLE.

MALLINCKRODT CHEMICAL WORKS ST LOUIS MO

W H LEADERS SPECIAL METALS DIV.

END PLS

RECD OK RB TNKS