

MCDONNELL *Aircraft Corporation*
Lambert Saint Louis MUNICIPAL AIRPORT • BOX 516, ST. LOUIS 66, MO.

9 September 1959
Ref: AEC-551-1088

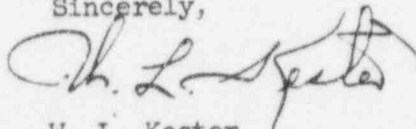
Isotope Division
United States Atomic Energy Commission
Washington 25, D. C.

Gentlemen:

McDonnell Aircraft Corporation presently possesses
Byproduct Material License #24-2261-3. We wish to have
this license modified in order that we may acquire an NRC
Equipment Corporation Model 0714 Meteorological Densitometer.
This device contains 0.4 curie of tritium (Hydrogen-3). It
will be used at our St. Louis address and at the Wallops
Island Test Range.

Should you wish any further information, do not hesitate
to contact me.

Sincerely,



W. L. Kester
Associate Scientist



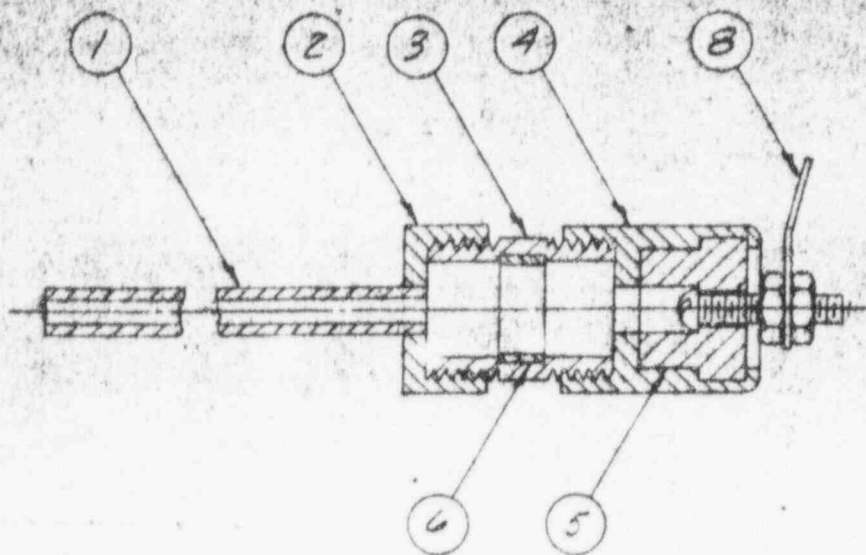
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1939 146

20th Anniversary

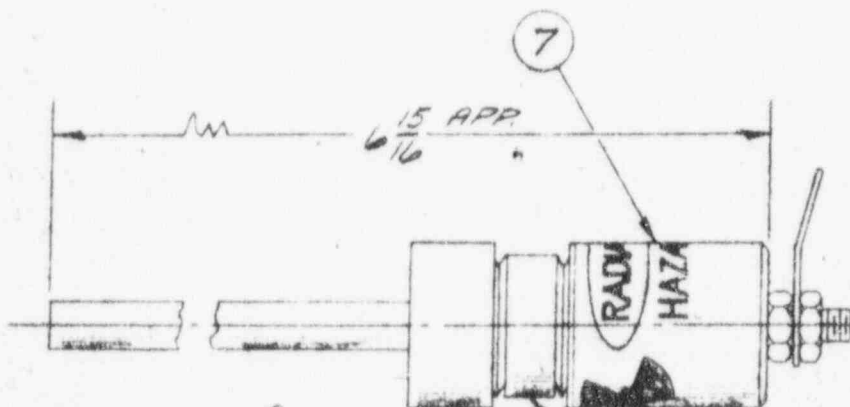
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1959

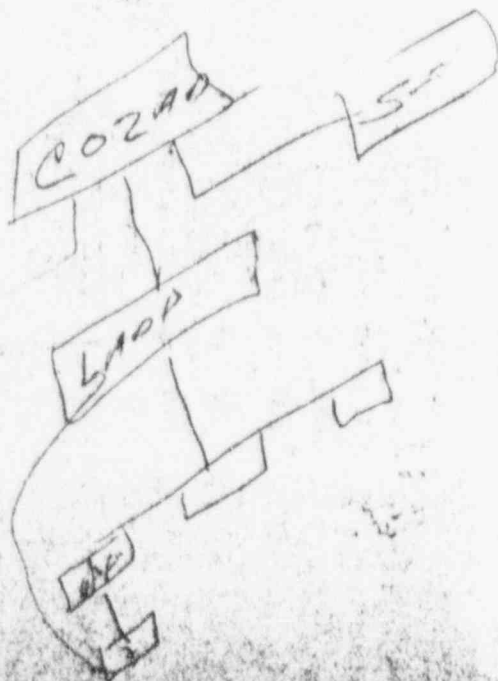


NOTES:

- 1- SOURCE IS RESEARCH TYPE TT-1
- 2- SOURCE 1
- 3- THREADS VACUUM T COVERS 7
- 4- RADIOACT ION CHAM INSTRUM
- 5- PRECAUT. SHEET CA INSIDE OI
- 6- TOTAL ACT SURFACE,



HOLD DOWN CLAMP APPLIED HERE.



V6 1092/U

PARTS LIST

ITEM	DESCRIPTION	REQ'D
1	COPPER TUBE - 1/8 I.D.	1
2	TOP CAP - BRASS NICKEL PLATE	1
3	BODY - BRASS NICKEL PLATE	1
4	BOTTOM CAP - BRASS NICKEL PLATE	1
5	INSULATOR - TEFLON	1
6	SOURCE - TRITIUM FOIL PLAQUE	1
7	RADIOACTIVITY LABEL	1
8	SOLDER LUG	1

AT 0.4 SQ. IN. OF A RADIATION
OR TRITIUM FOIL PLAQUE,

IN GROOVE INSIDE ION CHAMBER
ED WITH GYPTAL VARNISH FOR
TNESS. HOLD DOWN CLAMP
E SEALS.

LABEL AFFIXED TO OUTSIDE OF
AND ON OUTER COVER OF

RE) NOTES IN INSTRUCTION
NS AGAINST TAMPERING WITH
IS PART AND OVERHEATING (100°C MAX.)
Y OF SOURCE APPROX. 400 MILLICURIES.
ITY OF SOURCE APPROX. 40 MILLICURIES.

ALT.	CHANGE	DATE	APP'D BY

"This drawing an" design, including all new and patentable features separately or collectively disclosed and included therein, are the property of the NRC Equipment Corp., and are not to be copied or used, directly or indirectly, by anyone whatsoever without the written consent of said corporation. This drawing is loaned subject to return to said corporation upon their demand."

NRC Equipment Corp.

NRC EQUIPMENT CORP.

OUTLINE

HIGH ALT. DENSITOMETER ION CHAMBER

SCALE: 1 X	DATE	ENGINEERING	PRODUCTION
BY: SY			
CHK BY: VFL	12/78		
TR. BY			
USED ON: CH. BY			

IS PRINT. BRASS ALL SHARP EDGES.
IE NOTED. TOLERANCES TO BE AS FOLLOWS:
DIMENSIONS 1/16
NSIONS AS NOTED
R"