

UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON 25, D. C.

SOURCE MATERIAL LICENSE

License No. C-2210

Dated: DEC 11 1954

McDonnell Aircraft Corporation
Post Office Box 516
St. Louis 3, Missouri

Attention: Mr. T. A. Fletcher
Senior Buyer

Gentlemen:

Pursuant to the Atomic Energy Act of 1954 and Section 40.21 of the Code of Federal Regulations, Title 10 - Atomic Energy, Chapter 1, Part 40 - Control of Source Material, you are hereby licensed to receive possession of and title to ~~two thousand~~ (2,000) pounds of refined source material during the term of this license for use in the production of aircraft parts.

This license pertains to your plant at Robertson, Missouri, only.

You are further licensed to transfer and deliver possession of and title to refined source material to any person licensed by the Atomic Energy Commission, within the limits of his license.

As a condition of issuance of this license, you are required to maintain records of your inventories, receipts and transfers of refined source material.

This license is subject to all the provisions of the Atomic Energy Act of 1954 now or hereafter in effect and to all valid rules and regulations of the U. S. Atomic Energy Commission. Except as herein provided, it is subject also to the provisions of the Commission's proposed regulations published in the Federal Register July 16, 1955, Title 10, Code of Federal Regulations, Part 20, entitled "Standards for Protection Against Radiation" until such time as said proposed regulations or revisions thereof shall become effective regulations of the Commission. Notwithstanding Section 20.24(f) of said standards, labeling shall not be required for laboratory containers such as beakers, flasks and test tubes, used transiently in laboratory procedures during presence of the user.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954.

This license shall expire January 1, 1958.

FOR THE ATOMIC ENERGY COMMISSION

uranium-thorium alloys

cc: INS, w/cy applic & ltr fm McDonnell 12/11/56

Document Room
Docket Officer

Lyall Johnson
Chief, Licensing Branch
Division of Civilian Application

Enclosure: 10 CFR 20

9702270396 970106
PDR FOIA
NEITZEL96-314 PDR

ATTACHMENT A
PAGE 1 of 1 PAGES

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

Licensee		3. License No. STB-49
1. Name	McDonnell Douglas Corp.	4. Expiration Date February 28, 1975
2. Address	P. O. Box 516 St. Louis, Missouri 63166	5. Docket No. 40-29
6. Source Material Thorium	7. Maximum quantity of source material which licensee may possess at any one time under this license 500 pounds	

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)

For use in accordance with the procedures described in the licensee's application dated January 16, 1970.

9. Authorized Place of Use: The licensee's Municipal Airport facility,
St. Louis, Missouri.

SD
2/16/70

For the U. S. ATOMIC ENERGY COMMISSION

L. F. Harmon

Date of issuance FEB 17 1970

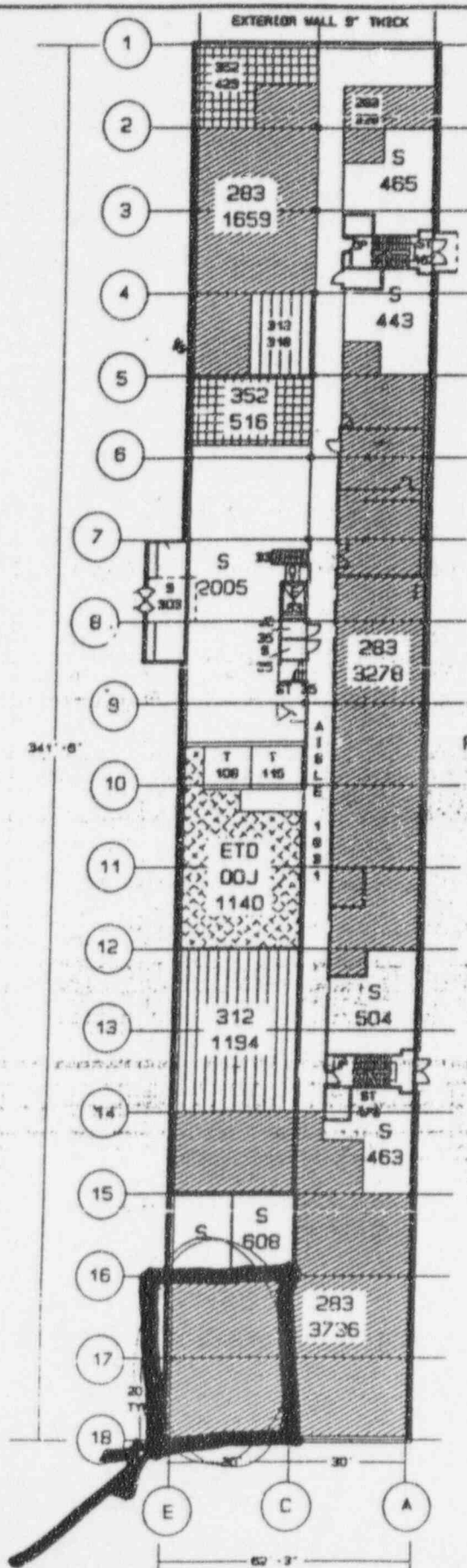
Don F. Harmon

U. S. GOVERNMENT PRINTING OFFICE: 1962 O-632965

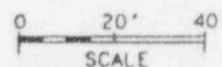
Division of Materials Licensing



326



FLOOR PLAN



OCCUPIED - JUN 56



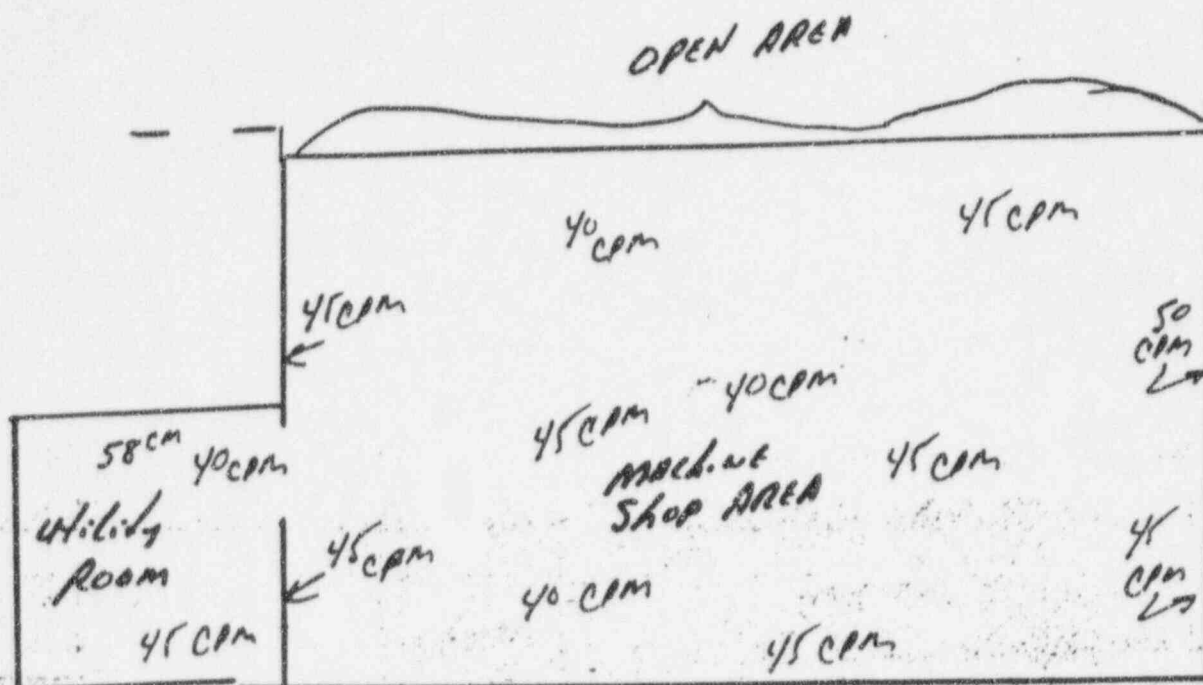
AREA	SQ FT	McDONNELL DOUGL	
UTILITY	7391	BLDG 32	OFFICE BLDG
DSF	12598		
NET	19989		

Building 32



ATTACHMENT C
PAGE 1 of 8 PAGES

DECK
BENCHES, ETC.



Tops of Light Fixtures = 45 cpm
AIR DUCTS = 42 cpm

Date of radiation survey- 9/14/93

Survey Instrument- Victoreen 190, w/10cm² pancake probe

Calibration date- 1/22/92

Serial No. 699

NRC Tag No. 042444

Background reading- 40-50 counts/minute (cpm) (beta-gamma)

Note- All direct radiation readings include background and all surveys conducted outside the buildings were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings outside the buildings are in units of microroentgens/hour ($\mu\text{R/h}$) and include background (7-15 $\mu\text{R/h}$).

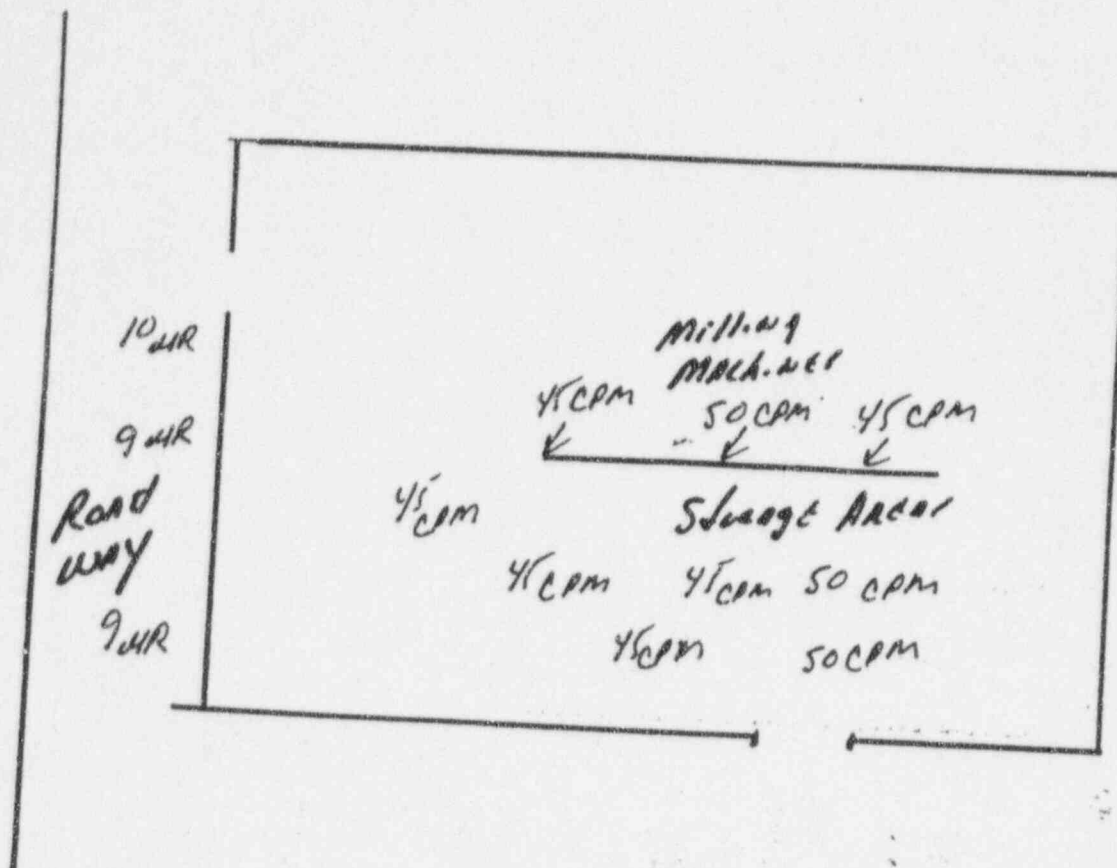
Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo.
Department of Health

Attachment C- Building 32, Robertson, Mo.

Building 27, Level 1

ATTACHMENT C
PAGE 3 of 8 PAGES

ATTACHMENT C
PAGE 3 of 8 PAGES



Date of radiation survey- 9/14/93

Survey Instrument- Victoreen 190, w/10cm² pancake probe

Calibration date- 1/22/92

Serial No. 699

NRC Tag No. 042444

Background reading- 40-50 counts/minute (cpm) (beta + gamma)

Note- All direct radiation readings include background and all surveys

conducted outside the buildings were supplemented with a Ludlum microR meter,

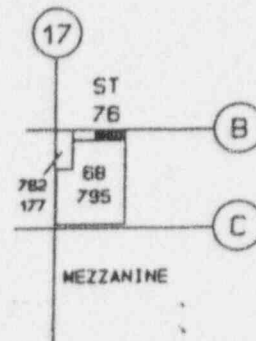
NRC Tag No. 011021, calibrated on 5/8/93. All readings outside the buildings

are in units of microroentgens/hour (μ R/h) and include background (7-15 μ R/h).

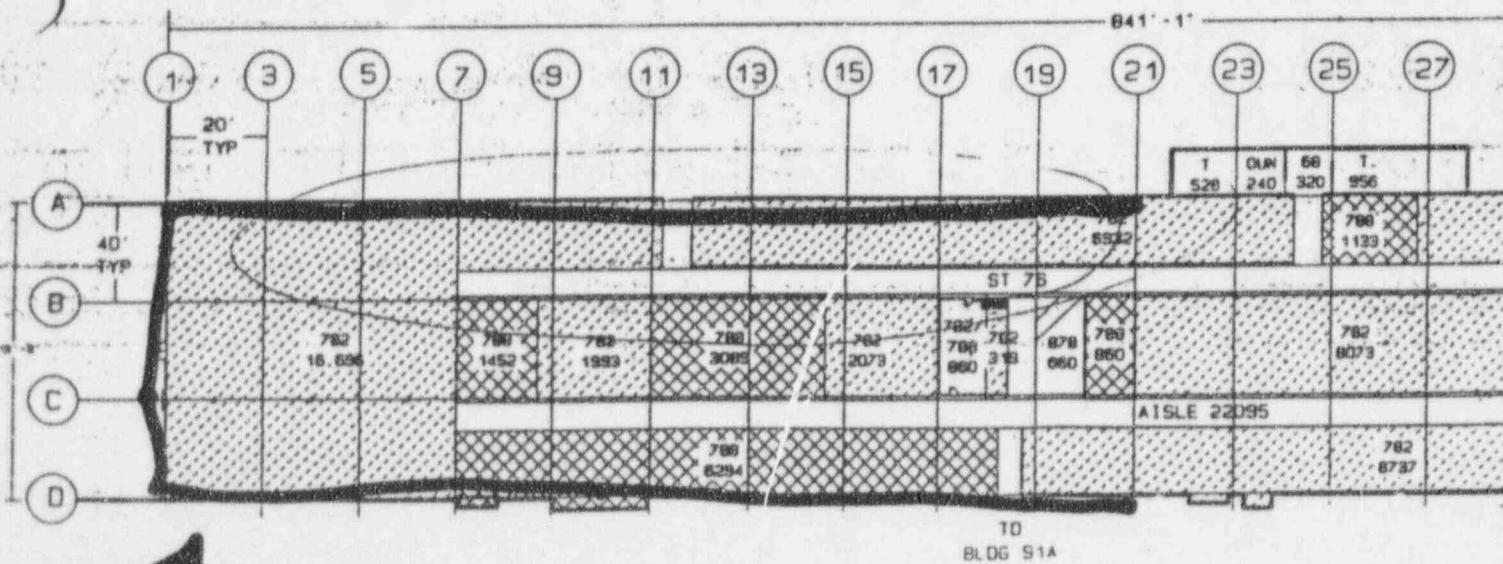
Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo.
Department of Health

Attachment C- Building 27, Level 1, St. Louis, Mo.

Handwritten signature: David G. Wiedeman



LEVEL 2	
AREA	SO F
UTILITY	76
OSF	972
NET	1,048
GROSS	1,061



FLOOR PLAN

Building 91

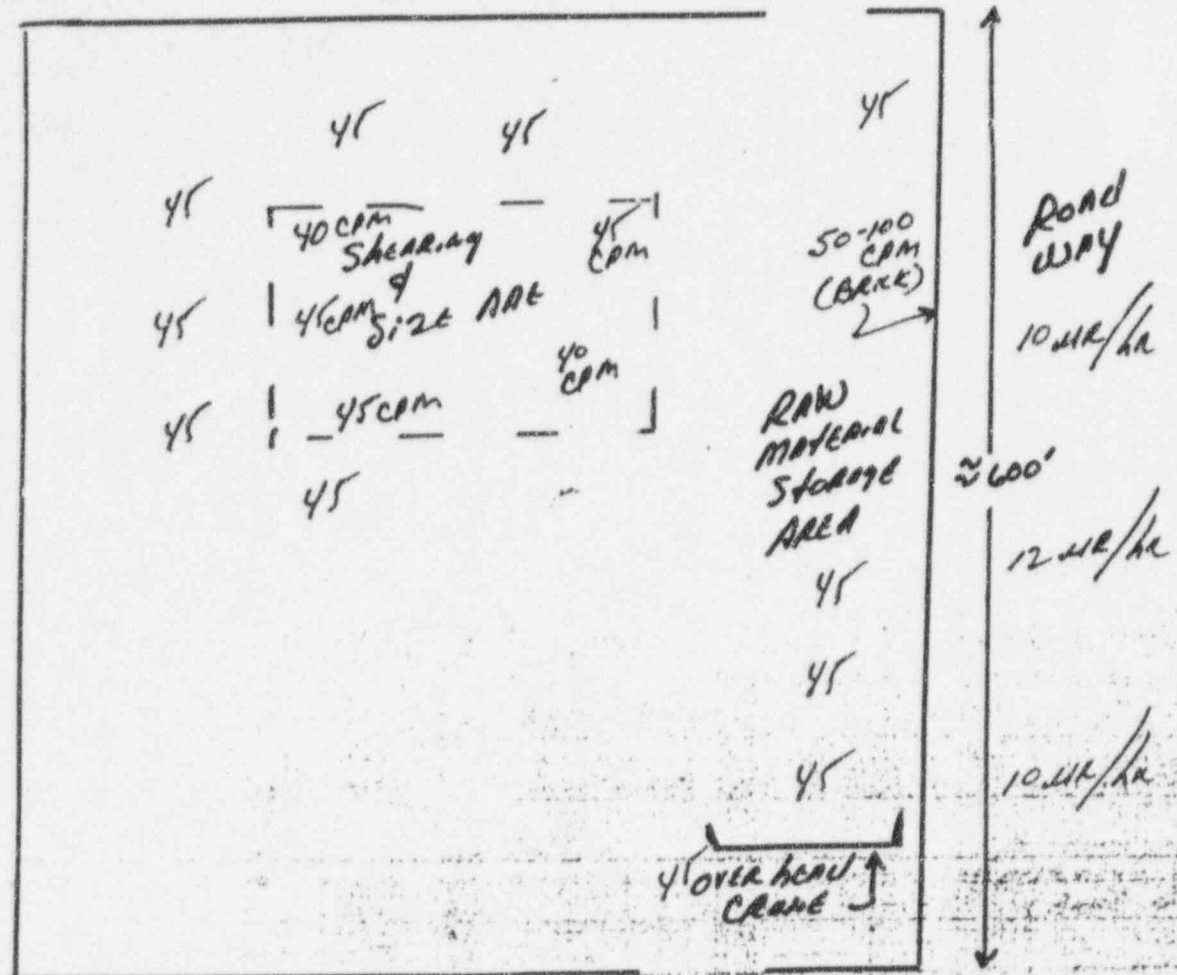


ATTACHMENT C

PAGE 5 of 8 PAGES



LEVEL 1	
AREA	SO F
UTILITY	23,653



Date of radiation survey- 9/14/93

Survey Instrument- Victoreen 190, w/10cm² pancake probe

Calibration date- 1/22/92

Serial No. 699

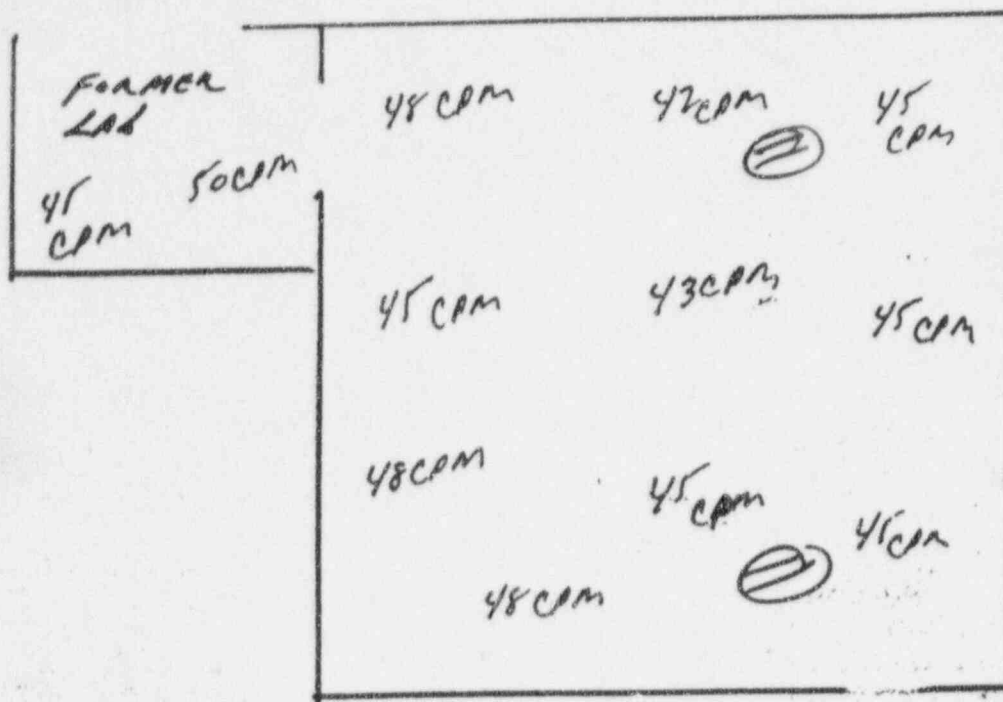
NRC Tag No. 042444

Background reading- 40-50 counts/minute (cpm) {beta + gamma}

Note- All direct radiation readings include background and all surveys conducted outside the buildings were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings outside the buildings are in units of microroentgens/hour (μ R/h) and include background (7-15 μ R/h).

Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo.
Department of Health

Attachment C- Building 91, St. Charles, Mo.



⊗ Air ducts = 42 cpm

Date of radiation survey- 9/14/93

Survey Instrument- Victoreen 190, w/10cm² pancake probe

Calibration date- 1/22/92

Serial No. 699

NRC Tag No. 042444

Background reading- 40-50 counts/minute (cpm) {beta + gamma}

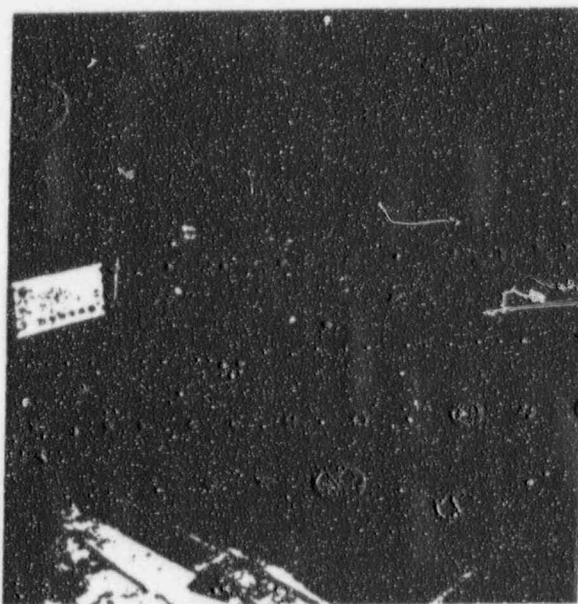
Note- All direct radiation readings include background and all surveys conducted outside the buildings were supplemented with a Ludlum microR meter, NRC Tag No. 011021, calibrated on 5/8/93. All readings outside the buildings are in units of microrcentgens/hour (μ R/h) and include background (7-15 μ R/h).

Survey by: D. G. Wiedeman, NRC with the assistance from G. McNutt, Mo.
Department of Health

Attachment C- Building 102, St. Louis, Mo.

Photograph of magnesium-thorium sheets in Bunker No. 35 at Tyson Research Center

September 14, 1993



3,000 cpm alpha
(Eberline Alpha meter)

2.5 millirad/hour on contact
1.5 millirad/hour @ 12"
(Victoreen 190)

Note: Original photograph can be located in Report No. 99990003/93-028(DRSS)
NRC Region III



Monsanto

C O M P A N Y

800 N. Lindbergh Boulevard
St. Louis, Missouri 63166

June 24, 1965

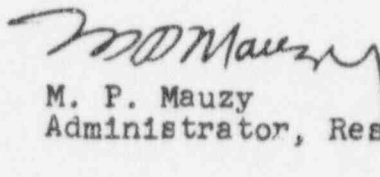
Mr. Richard E. Cunningham
Chief, Isotopes Branch
Division of Materials Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Gentlemen:

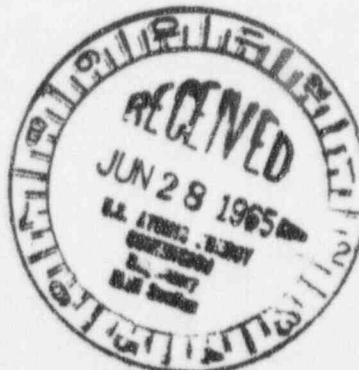
Re: License No. 24-1113-15(D65) Renewal

Attached is completed Form AEC-313 "Application for Byproduct Material License" for Byproduct material Cesium 137, which we wish to renew. We regret that the above mentioned license was left to expire; however, due to the illness of Mr. L. C. Weger to whom your letter of May 27, 1965 was addressed, your notice was just recently brought to our attention. If any further information is required please do not hesitate to contact us.

Sincerely,


M. P. Mauzy
Administrator, Research Center

Att.



A/290

4702120345

- 69260