



COPY

Suppl.

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON 25, D. C.

8/31/61

IN REPLY REFER TO

W. R. Grace & Company
Research Division
Washington Research Center
Clarksville, Maryland

DLR:DAN
Docket No. 70-456

Attention: Mr. W. P. Gage, Vice President

SUBJECT: NOTICE OF LICENSE EXPIRATION

Gentlemen:

Notice is given that Special Nuclear Material License Number SNM-417 expires on October 31, 1961.

If you desire to continue your program using special nuclear material(s), an application for renewal of the license should be filed with this office. It is to your advantage to file such an application at least thirty (30) days before the expiration date of your existing license. The application should be submitted in letter form in quadruplicate. Your program will then be covered by your existing license until action is taken on your application for license renewal. (Title 10, Code of Federal Regulations, Part 70, Section 70.33(b)). If an application is received less than 30 days prior to the expiration date of your license and cannot be processed before your existing license expires, this could result in your possessing special nuclear material without a valid license.

If you do not wish to renew your license, please complete the enclosed form "Certification of Status of Special Nuclear Material Activities Under United States Atomic Energy Commission Special Nuclear Material License Number SNM-417", and return it to this office.

If you have obtained an amendment which has extended the expiration date of the above license or if a new license has been issued which supersedes the above license, please disregard this notice.

This notice of your license expiration is sent for your convenience and it should not be interpreted that similar notices will be sent in the future. The responsibility for timely submission of an application for license renewal remains with the licensee.

Distribution:

- Compl.,
- Doc. Room
- Formal
- Suppl. *←*
- L&R reading
- S&SNM reading

Very truly yours,

DLR:ED -----

APPROVED -----

jed

4/21 Donald A. Nussbaumer, Chief
Source and Special Nuclear Materials Branch
Division of Licensing and Regulation

COPY

A/11

EXPERT SYSTEM LICENSE EVALUATION
EVALUATION REPORT FOR LICENSE SNM-00840

Licensee: WR GRACE AND COMPANY

Site of operation: CLARKSVILLE, MD. (WASHINGTON RESEARCH CENTER)

This report is generated from a previous expert system evaluation done for this license number.

The final ranking for SITE CONTAMINATION is: 2267

DESCRIPTION OF ACTIVITY OR FACILITY: FABRICATION OR MANUFACT

--Type and form of materials licensed--

Material--

--Form--

U-235>500 GMS

Loose material

--For evaluation purposes, amounts of the following materials were obtained--

Material--

--Form--

--Amount--

--Unit--

U-235

LOOSE

201000.00

gr

See comments on the 25 Gms of Pu-239

Rank of the license based on the loose materials licensed: 3127

1. License was for loose materials, or materials handled loose
2. There was one identifiable site with this license.
3. High likelihood that activity could have generated significant contamination. Rank=rank*1.5

Reviewer's comments concerning potential CONTAMINATION
GENERALLY PROCESSES USED IN FUEL FABRICATION HAVE A GREAT POTENTIAL
FOR CONTAMINATION AND PREVIOUS INSPECTIONS SHOWED CONTAMINATION WAS
PRESENT.

4. There was some decon of facility or site at CLOSEOUT
Rank=0.9*rank
5. There was inconclusive evidence of releases to the environment
or there was evidence of limited release. Rank=1.2*rank
6. Information insufficient to judge frequency of turnover for
operation Rank not changed
7. There was significant use of glove boxes, hoods, or protective
clothing. Change in rank depends on subsequent questions.
8. Contaminated material was probably appropriately disposed of
Rank not changed.
9. There was limited use of contaminated waste material in the
operation. Rank=rank*1.2.
10. Contaminated waste material was probably appropriately disposed
of. No change in rank
11. There was some documentation of materials disposition, but not
complete. Rank=rank*0.9
12. There was no information in file indicating burial or dumping
by licensee. Rank not changed
13. There were no verifiable intermediate decontamination efforts.
No change in rank

A/10

14. There WAS a closeout survey for this license. Change in rank depends on the quality of survey.
15. The closeout survey was conducted in the period 1970-1980
Rank=rank*.85
16. There was some check for alpha contamination, but not thorough.
Rank=0.85*rank

CATEGORY FOR POTENTIAL SITE CONTAMINATION:
HIGHEST PRIORITY-Category 1A

| The final ranking for SITE CONTAMINATION is: 2267 |

Reviewer's comments concerning license SNM-00840

The license (issued Dec., 64 and terminated Dec., 73) covered the fabrication of nuclear fuel. This license did permit the use of 25 grams of Pu-239 which the licensee did receive but removed from the facility without opening as described in an April, 73, memo to the file. Therefore the plutonium was not entered as a material for the evaluation. Although a closeout inspection and survey were conducted in late 73, the results should be reviewed for compliance with present standards. It appears they may have taken a few smears for removable alpha on the closeout survey.

EXPERT SYSTEM EVALUATION WAS BASED ON THE
INVENTORY RECORD IN JOB 0327, BOX 02

Docket 70-00456

Licensee: WR GRACE AND COMPANY

Address: CLARKSVILLE MARYLAND

Zip: 21029

State of operation: MD

Site used: CLARKSVILLE, MD. (WASHINGTON RESEARCH CENTER)

Disposition information present: LICENSEE LETTER STATING DISPOSITION

Contents of letter:

9-19-73: ALL SNM REMOVED, CONTAM EQUIP TRANS TO OTHER LICENSES OR

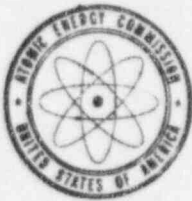
Two closeout surveys were conducted for this license by NRC and the licensee

There is an NRC inspection report in this license file

This license was listed as expired on 12/17/73

Remarks:

JOB NUMBER: 0327 BOX NUMBER: 02



UNITED STATES
ATOMIC ENERGY COMMISSION

IN REPLY REFER TO:

LAR:JCD
70-456

OCT 18 1960

10/18/60

W. R. Grace & Co.
Research Division
Washington Research Center
Clarksville, Maryland

Attention: Mr. W. P. Gage
Vice President

Gentlemen:

Enclosed is Special Nuclear Material License SEM-417.

Very truly yours,

J. C. Delaney
Chief, Nuclear Materials Branch
Division of Licensing and Regulation

Enclosures:

1. SEM-417
2. Part 20
3. Part 20, effect. Jan., 1961

Distribution:

- L.D. Mackay, FIN-CRCC, w/encl. 1
- D. George, NRC, w/encl. 1
- S.R. Gustavson, L&R, w/encl. 1
- H. Steele, L&R, w/encl. 1
- ✓ compl., w/encl. 1 & cy 10/4/60 appl.

NYOO COMPLIANCE DIVISION
OCT 20 1960
RECEIVED

A/12

~~9501090220~~ IP

UNITED STATES
ATOMIC ENERGY COMMISSION

SPECIAL NUCLEAR MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954 and Title 10, Code of Federal Regulations, Chapter 1, Part 70, "Special Nuclear Material Regulations," a license is hereby issued authorizing the licensee to receive and possess the special nuclear material designated below; to use such special nuclear material for the purpose(s) and at the place(s) designated below; and to 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 70.32(a) of said regulations, and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission now or hereafter in effect and to any conditions specified below.

Licensee

1. Name **W. E. Grace & Co.**
2. Address **Research Division
Washington Research Center
Clarksville, Maryland**

3. License No.
SRM-417

4. Expiration Date
October 31, 1961

5. Docket No.
70-456

6. Special Nuclear Material
**Uranium enriched in the U-235
isotope.**

7. Maximum quantity of special nuclear material which licensee may possess at any one time under this license
250 grams contained U-235.

8. Authorized use **For use in accordance with the procedures as described in the licensee's application dated October 4, 1960.**

9. Quantity of special nuclear material allocated to licensee pursuant to Section 70.31(b) of said part
None

CONDITIONS

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

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance _____

U. S. GOVERNMENT **J. C. Dalany**
Division of Licensing and Regulation

9501090222 / P