

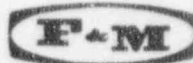
*Table file in S.S.
file 203*

3172

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F & M SCIENTIFIC CORPORATION

Starr Road and Route 41, Avondale, Pa., U.S.A.



215 Colony 6-2281 TWX 215-293-3634

SEALED SOURCE FILES

November 4, 1963

Mr. Bell
Isotopes Branch
Division of Licensing
and Regulation
U. S. Atomic Energy Commission
Washington 25, D. C.

Dear Mr. Bell:

I write concerning the telephone conversation we had some two weeks ago when we discussed a license application sent in by Dr. E. Emery of Monsanto Chemical Company, St. Louis, Missouri. During this conversation, I confirmed that detectors containing only 200 millicuries of tritium were being manufactured and distributed by F & M and Dr. Emery's license application for 250 millicuries was an error.

Dr. Emery has not, as yet, placed an order for a radioactive detector with us. If he had, he would have received a form letter from us supplying the correct information for his license application. Part of this form letter, together with a letter explaining the situation, have been sent to Dr. Emery and copies are enclosed.

I hope this will clarify the situation from your aspect and suggest that you contact us if further information is required.

Very truly yours,

J. Peters

J. Peters
Research Chemist

JP:dm

Encl.



9504210008 950410
PDR RC *
SSD PDR

This was discussed with F&M on 11-2-63. Letter already issued. JPS

SEALED SOURCE FILES

Dr. Emery

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October 29, 1963

2. Self-explanatory.
3. Leave blank (If you are applying for an amendment, list your present license number).
4. Indicate the name of a supervisor. We suggest you list more than one person, so that the operation of the cell is not dependent on the presence of one individual. It is not necessary to list everyone in the organization who might use the apparatus.
5. If there is a Radiation Protection Officer in your organization, give his name. Otherwise, list the name of the supervisor as under #4.

6a. Complete as follows:

Tritium

Hydrogen 3

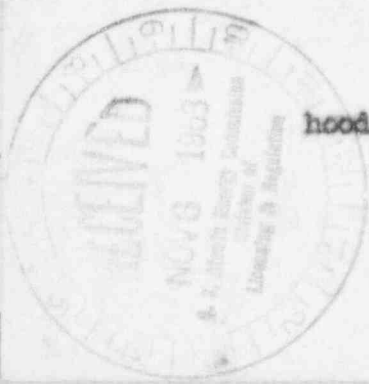
Model No.
⑥ —
① —
activity
② ✓

6b. Depending on the cell you ordered, this should read either "F & M Electron Capture Detector Model No. 2-2837 containing U.S. Radium Lab 508-1 foil", or "F & M Micro Cross Section Detector Model 2-2830 containing U.S. Radium Lab 508-1 foil". We suggest that you request permission to hold an amount of tritium sufficient to cover at least two cells. This will give you the opportunity to order additional detector cells without any amendment to the license. To obtain this extended license, the following sentence should also be listed under 6b: "A maximum of two cells, each containing 200 millicuries of tritium to be possessed at any one time."

7. List the instrument on order with us. For example, F & M Model 400-3M for laboratory analysis.

8. List college Physics courses and similar information indicating the knowledge of the individuals. The minimum requirement would be expressed by the following sentence: "Instruction Manual with manufacturer's recommendations. The cell user is to read the Safety Section of the Manual." In general, the approval of your application is obtained sooner if greater experience is indicated in this section.

9. Self-explanatory.
10. State the following: "None required with this instrument."
11. State the following: "None required with this instrument."
12. State the following: "None required with this instrument."
13. Indicate that the effluent gas will be piped into a fume hood at temperatures above 150°C.



SEALED SOURCE FILES

Dr. Emery

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October 29, 1963

14. State the following: "Follow manufacturer's recommendations."

15. State the following: "Return to supplier, F & M Scientific Corporation, Avondale, Pennsylvania."

16. Self-explanatory.

We hope that the above comments will be of value to you in obtaining an ABC license for your particular circumstances. Please do not hesitate to contact us for further information.

Very truly yours,

Egon T. Ruf
Sales Office Manager

ETR:evtb

Encl.

CC: Ronald Galli-
Technical Representative
P. O. Box 36
St. Louis 41, Missouri

SEALED SOURCE FILES

October 30, 1963

Dr. Edward Emery
Hemanto Chemical Company
2011 Kosciusko Street
St. Louis 77, Missouri

Dear Dr. Emery:

The AEC has informed us of your recent application for a license to acquire our radiation detectors, specifically the electron capture and micro cross section. In this application, you made some slight errors in the model number of the detector and also the strength of the radiation included. For this reason, I am forwarding to you the enclosed form letter which should give you the necessary information to reapply for your license. Please note that our detectors contain 200 millicuries of Tritium instead of the 250 you requested in your application. The only reason we became involved in this is because the AEC thought we were offering detectors other than those we had mentioned to them.

If we may be of any further service to you in regard to obtaining your AEC license for our detectors, please do not hesitate to contact us further.

Very truly yours,

Glenn C. Ritter
Sales Department

GCR:evtb

Encl.

CC: Ronald D. Galli
P. O. Box 36
St. Louis 41, Missouri
WYdown 4-0900

