

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MF:M:JMB
(55624)

JUN 25 1975

Mobil Research and Development
Corporation
ATTN: Louis Deane Rollmann, Ph.D.
Senior Research Chemist
Research Department
Central Research Division
P.O. Box 1024
Princeton, New Jersey 08540

Gentlemen:

This refers to your application dated April 1, 1975, and letter dated June 13, 1975, requesting that a byproduct material license be issued to the Mobil Research and Development Corporation. We find that before completing our review of your request, the following additional information is needed.

1. A description of the facilities and equipment where radioactive material will be used including a description of the areas assigned for receipt, storage, preparation and measurement of radioactive materials. Simple diagrams and sketches can be used to supply some of this information.
2. A description of your waste disposal procedures including limitations for disposal of liquid and solid waste, and your procedures for waste storage and packaging prior to pickup by the designated disposal service.
3. A statement describing the responsibilities of the designated radiation safety officer, Lester Levin. This is of particular importance in view of the fact that the designated user on the application lists no formal training with radioactive material and only one month on-the-job training using exempt quantities of radioactive material.

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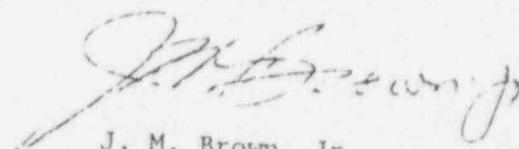
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4. The method and standards used for calibrating your survey instrument. As I pointed out in my telephone conversation with Dr. Rollmann, periodic checks of survey instruments with small check sources should be supplemented with periodic calibration of the instrument. If the survey meter calibrations are to be performed by a service company, the name, address, and license number of the service company should be specified.
5. A description of the criteria and procedures for performing bioassays. If a commercial bioassay service is to be used, provide the name and address of the firm. Bioassays are normally required when individuals work with millicurie quantities of hydrogen-3, depending on the chemical form, the procedures followed, and the equipment used. The applicant should present evidence that the need for bioassays has been thoroughly considered and that his proposed bioassay program is appropriate for his intended use of radioactive material.

We will continue our review of your application promptly upon receipt of the requested information. Please reference Control No. 55624 in your reply.

Sincerely,



J. M. Brown, Jr.
Materials Branch
Division of Materials and Fuel
Cycle Facility Licensing

Enclosures:
10 CFR Parts 19, 20 and
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