

L&R:IB:FCD (53655)

JG 29 1963

Monsanto Chemical Company
8201 Idaho Avenue
St. Louis 11, Missouri

Attention: Mr. E. R. Billen

Gentlemen:

This refers to your letter dated August 14, 1963, regarding amendment to Byproduct Material License Number 24-1113-13.

In order to continue review of your request to install, relocate, maintain, and repair the Ohmart Corporation Model ASR-3 source holders containing byproduct material, we will need to have in triplicate the following information.

1. Clarification of both the maintenance and repair operations, including what part or parts of the source holders will be maintained and repaired.
2. The individuals who will perform each operation named in your letter and the person or persons who will supervise each operation, together with the training and experience of these individuals with radiation.
3. The procedures to be followed during each operation.
4. The radiation instrumentation and personnel dosimetry to be used during each operation.

Upon receipt of this information, we will resume review of the request made in your letter.

Sincerely yours,

bcc: Compliance, Region III

Robert E. Brinkman

Isotopes Branch

Division of Licensing and Regulation

AP205

OFFICE ▶	L&R:IB	L&R:IB			
SURNAME ▶	PCDavis:bjb	REBrinkman			
DATE ▶	8/28/63	8/28/63			

Form AEC-818 (Rev. 9-58)

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MONSANTO CHEMICAL COMPANY

CARONDELET PLANT
8201 IDAHO AVENUE
ST. LOUIS 11, MISSOURI
September 17, 1963

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

Gentlemen:

This letter is in concern of our request for amendment of our by-product material license #24-1113-13 (A65) as requested by letter to you 8/14/63. Two amendments were sought.

- 1) Permission to install, relocate, maintain and repair the devices we presently have and,
- 2) Authority to operate one additional gauge identical to those already operated.

In your reply to our request you raised several questions concerning our intent and qualifications. To answer these questions we can only define our intent when we mention "installation, relocation, maintenance and repair."

Installation

When we receive our 5th gauge unit, and perhaps subsequent units we may order, we desire to be allowed to uncrate and bolt the unit into its pipeline position, under direct supervision by either myself or Mr. Henderson (those specified as responsible in our present license). Subsequent to this we would do all wiring, initial calibration and startup of the unit. If final inspection is required by other licensed AEC personnel, such as employed by the Ohmart Corp., this is entirely satisfactory.

Relocation

Here we wish to be granted authority to take a unit from its present location or application and move it to another location within our plant. We do not anticipate doing this, but in our type operation we desire this flexibility.

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ACKNOWLEDGED

DUPLICATED
OF COMPLIANCE

Maintenance

Our intentions here are probably within the restrictions of our present license with one exception. We in no way desire the privilege of tampering with the sealed source. Maintenance is meant to apply only to the electronic end of the unit and perhaps in extreme conditions removal of the unit from the pipeline for cleanout purposes.

Repair

Repair to us means the same as maintenance. Again we emphasize that we wish only to troubleshoot and repair the electronic end of the units.

The units we have are pipeline units; by this we mean they are a 3" diameter, Z shaped section of pipe, lead shielded with CS-137 encapsulated inside. The source being completely sealed and shielded affords maximum protection for personnel involved in its handling. There is no opening or closing devices on the units. Radiation is directed down the center section of the Z shaped pipe. High radiation levels do exist within the pipe itself, but barring destruction of the unit this area is inaccessible.

We have in our plant an instrument engineer, N.L. Marsh, who has worked with both Ohmart and Accurray radioactive devices in the past through Monsanto. He has had briefing by qualified employees of these companies on the installation and general handling precautions of such devices. Both myself and Mr. Henderson have been briefed by qualified Ohmart personnel in this regard since obtaining our units.

We have the highest respect for our units. We are aware of the potential hazard they represent. Areas of installation are posted; our personnel are all informed as to the normal precautions and emergency procedures to follow. We do, however, feel that we are qualified and capable of performing the work requested by the amendment. As stated in our original letter, the restrictions placed on us by our present license wording is an inconvenience to us which seems unnecessary. If there is a possibility of removing these restrictions via an amendment we are most anxious to receive such action. Your cooperation is appreciated.

Yours very truly,

MONSANTO CHEMICAL COMPANY



E. R. Billen

Engineering Superintendent