



DOW CHEMICAL U.S.A.

1270

MIDLAND, MICHIGAN 48640

May 5, 1972

Mr. Nathan Bassin
Materials Branch
Division of Materials Licensing
United States Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. Bassin:

The latest revision of our operating procedures is enclosed.

Our actions to comply are numbered to correspond with the comments in your letter of April 26, 1972.

1. The van will be placarded using the required placard described in §174.553 of D.O.T. regulations. Point 7 in the operating procedure instructs radiographers to placard the van before traveling to the job site.
2. A maximum radiation level of 2 mrem/hr at contact with the van is specified in Point 8. While D.O.T. regulations would permit a higher limit, 2 mrem/hr is easily attainable and is the same figure specified for storage and overnight stops. It is used to minimize the number of different numbers cited in the operating procedures.
3. Point 12 describes the proper signs to be posted at the 100 and 5 mrem/hr isodose lines, in accordance with §20.203 of AEC regulations. A barrier and proper signs at the 2 mrem/hr isodose line will be used when job conditions warrant.
4. A survey meter check of the guide tube after each exposure is specified in Point 23 and on the Survey Check Form at 6.b.

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AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY



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Mr. Bassin

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5. Point 24 specifies locking of the projector after each exposure before moving it or setting up for the next exposure.

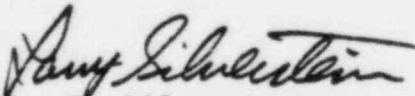
6. Signs bearing the radiation symbol and "Caution - Radioactive Material," as specified in §20.303(a) and (e), will be used on the van or other temporary storage sites. Radiographers are instructed to use these signs at B.1.a. and B.2.d. in the operating procedure.

7. Point 3, a through f, describes the inspections to be made each time the projector is taken out of its storage cabinet for use. These inspections will be performed at the beginning of each day the source is used, but not daily when the source is idle.

8. Access to restricted, radiation and high radiation areas is controlled by placing signs and rope barriers as described in Point 12 and by visual observation and patrolling of farthest barrier, as described in Point 22.

Radiographic personnel will be provided with copies of the enclosed operating and emergency procedures, if they are satisfactory in their present form.

Sincerely,



L. G. Silverstein
Chemical Biology Research
1701 Building
A/C 517 636 4676

LGS:sjl/enclosures

cc: H. R. Field, Welding Engineering Department