

2020

WALTHAM COMPASS CORPORATION

Manufacturers of Precision Instruments

609 MAIN STREET

WALTHAM, MASSACHUSETTS 02154

Please refer to
Executive Office
50 EAST 42 STREET
NEW YORK, N.Y. 10017
Telephone: (212) 633-7339

August 7, 1968

U.S. Atomic Energy Commission
Washington, D.C. 20545

Attention: Isotopes Branch, Division of Materials Licensing

Dear Sirs:

Reference is made to our letter of July 24, 1968, which accompanied our application for Byproduct Material License for Promethium 147.

In carefully rechecking such application we observe the following errors therein and would thank you to consider this communication as correcting the same:

1(a) should read: Waltham Compass Corporation, 609 Main Street, Waltham, Massachusetts 02154

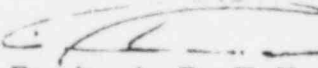
1(b) should read: Waltham Compass Corporation and Fred Marcell d/b/a Waltham Compass Company, 609 Main Street, Waltham, Massachusetts 02154

We are pleased to forward herewith correspondence between our firm and Mr. Murray M. Bolton, Jr., which speaks for itself and which, it is thought, your agency might desire to keep on file.

Should anything further be required of us in connection with the application pending before your agency, please so advise us.

Very truly yours,

WALTHAM COMPASS CORPORATION


Benjamin D. Pollack
Clerk

Enclosure

DUPLICATED
FOR DIV. OF COMPLIANCE

2020

MURRAY M. BOLTON, JR.
Analytical and Radiochemist
20-B - 23B
77 MASSACHUSETTS AVENUE
CAMBRIDGE, MASS. 02139
TELEPHONE UN 4-6900 - EXT. 2360

July 30, 1968

Executive Office
Waltham Compass Corporation
50 East 42nd Street
New York, New York 10017

Dear Sir:

In reply to Mr. Pollack's letter dated July 25, 1968, I agree to act as your Radiological Safety Officer under the terms stated in the attached letter.

As your Radiological Safety Officer, I feel that it is necessary that I be informed of all purchases and shipments of radioactive material. It would also be prudent if I spend a minimum of four hours each month at the Waltham facility inspecting and reviewing operating procedures.

In reference to the government contract for 16,000 compasses which you are presently negotiating, I wish to point out a very restrictive and unrealistic test requirement specified in MIL-C-006235B (DM), section 4.6.9-Radiation Level which states, "Evidence of the radiation level in excess of background radiation shall constitute failure of this test."

Commercially available Promethium-147 has trace amounts of a contaminant. Oak Ridge laboratories, one of the major suppliers of Promethium-147 reports the contaminant as Americium-241. This nuclide has a 60 kev gamma which most certainly will give a contact radiation reading in excess of background. In fact, I measured a sample compass supplied by 3M and in the possession of Mr. Marcell and found the radiation levels at the crystal facets to be in excess of 2 milliroentgens per hour.

I suggest that the above requirements be modified and be consistent with A.E.C. regulations Title 10 Part 30.15 which states "The levels of radiation from hands and dials containing Promethium-147 will not exceed, when measured through 50 mgs per square centimeter of absorber, 0.1 millirads per hour at 10 centimeters from any surface".

I am pleased to be associated with Waltham Compass Corporation. If you have any questions, please call me at Area Code 617 864-6900 extension 2180 or 2360.

Yours truly,

Murray M. Bolton, Jr.
Murray M. Bolton, Jr.

MMB/ob

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WALTHAM COMPASS CORPORATION

Manufacturer of Precision Instruments

609 MAIN STREET

WALTHAM, MASSACHUSETTS 02154

Please reply to
Executive Office:
501 7th Street
NEW YORK, N. Y. 10017
Telephone: (212) OX 7-392

(If no answer,
please call OX 7-3676)

July 25, 1968

Mr. M. Bolton
Occupational Medical Service
Room 20B-238
Massachusetts Institute of Technology
Cambridge, Massachusetts

Dear Mr. Bolton:


This letter confirms subject matter of telephone conversations had between us, which we are pleased to state culminated in your being retained as our Radiological Safety Officer for operations including the use and application of Promethium 147 to be handled and applied at our manufacturing facility at No. 609 Main Street, Waltham, Mass.

Our agreement as to your compensation is that you shall be paid a fee of \$100.00 per day, plus any and all out of pocket disbursements for or in connection with your services and advice to us. We would appreciate your confirming this arrangement for our records.

We trust that our relationship will be of long duration and mutually rewarding.

Very truly yours,

WALTHAM COMPASS CORPORATION


Benjamin D. Pollack
Clerk