



NUCLEAR CONSULTANTS CORPORATION

BOX 6172, LAMBERT FIELD • ST. LOUIS, MISSOURI 63145 • 314 PERching 9-8927

LABORATORIES IN ST. LOUIS,
LOS ANGELES AND CLEVELAND
OFFICES IN MAJOR CITIES

July 30, 1965

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

Dear Sir:

The problem of overexposures for total body and/or extremities for the following listed personnel were thoroughly discussed with your inspector, Mr. D. Foster, during his recent inspection of our facility.

Since both film badges and pocket dosimeter records are kept on all personnel we are listing both measurements for total exposures. It might be noted that the dosimeter records indicate a somewhat lower exposure than the film badges, but the film badge record is considered to be our official record.

1) [REDACTED] - (3/22 to 6/21/65)

Total body - Film badge = 3.638 rem
Dosimeter = 3.115 rem

Extremities - 13.352 rem (This does not include four badges which were damaged and, therefore, could not be evaluated).

This individual's dosage was mainly because of production techniques and working habits which involved the radionuclides: I-131, Hg-197, and Hg-203.

2) [REDACTED] - (3/22 to 6/21/65)

Total body - Film badge = 4.529 rem
Dosimeter = 4.450 rem

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2) [REDACTED] . . . (Cont.)

This individual's dosage was mainly because of working habits. This exposure involved: I-131, Hg-197, Hg-203, Mo-99 and Tc99m. Physical removal from the lab area to a low level area has been effected, pending retraining of work habits.

3) [REDACTED] (3/22 to 6/21/65)

Total body - Film badge = 3.642 rem
Dosimeter = 3.250 rem

Extremeties - 18.400 rem (This does not include two badges which were damaged).

This individual's dosage was because of production techniques during the development of a new product involving Mo-99 and Tc99m (Technekow).

4) [REDACTED] - (3/22 to 6/21/65)

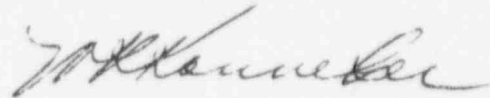
Total body - Film badge = 3.042 rem
Dosimeter = 2.510 rem

This individual's dosage was because of poor work habits in the packaging for shipment of our catalog items which involved primarily: I-131, Hg-197, Hg-203, Tc99m, and P-32.

More adequate shielding and remote handling equipment is already in actual use or planned for immediate installation. An extensive study of work habits of individuals and production techniques is being undertaken from which additional control of radiation exposure will be effected.

Very truly yours,

NUCLEAR CONSULTANTS CORP.


W. R. Konneker, Ph.D.
President

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