

The Budd Company
Instruments Division
Post Office Box 245
Phoenixville, Pennsylvania

Attention: Dr. John H. Buck

Gentlemen:

Reference is made to Budd Company Drawing No. D-50321 through D-50324 describing the Head Assembly for the Series 50 radiography projectors.

The referenced drawing indicates that the minimum lead shielding provided in these projectors is approximately 5.5 inches, and further, that the minimum distance from the source storage position to any exterior surface is approximately 6.5 inches. These figures indicate that 40 curies of Cobalt-60, as listed in Budd Company publication No. NS-2000 for the Model 51, would produce surface radiation levels in excess of the limit of 200 mr/hr.

It will be necessary that radiation profiles of the Series 50 projectors be submitted in order that the Commission may be able to determine the maximum quantity of Cobalt-60 to be used in that equipment.

Very truly yours,

William C. Miller
Senior Licensing Reviewer
Isotopes Branch
Division of Licensing and
Regulation

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