

LEXINGTON SIGNAL DEPOT
LEXINGTON, KENTUCKY

AMC
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SIGDL-800

15 October 1958

SUBJECT: Film Badge Service

TO: Commanding Officer
Pine Bluff Arsenal
Arsenal, Arkansas
ATTENTION: CALAC-PB-SA

1. Reference is made to your message, CALAC-PB-SA, dated 082135Z.
2. Referenced films were rechecked and the following information is furnished:
 - a. Films were exposed while in holders which eliminates the possibility of exposure while in transit or in storage.
 - b. Exposure was to very low energy x-radiation or scatter. Films indicate that a very small beam or possibly a partially shielded beam caused the darkening.
 - c. As a result of the small beam, it is likely that the exposure was a local exposure and not whole body radiation. This could account for the large variation in the film and pocket dosimeter readings.
 - d. Pocket dosimeters are very energy dependent and the dosimeters normally used, IA-95's, are very inaccurate at the low energy indicated by the films. The average energy appears to be less than 20 KeV.
3. ~~Since~~ the event a satisfactory explanation cannot be found, these films are being retained at this depot. There is no possibility of the damages reported being caused during the processing of the films.
4. This depot would welcome a visit by a representative of your installation to view these films and discuss mutual problems.

FOR THE COMMANDER:

Copy furnished
TSG, DA, Wash, D.C.
X ATTN: MEDCE-GH

LEROY R. PETERSON
Major, SigC
C, Depot Maint Div

Washington National Record Center
Office of the Army Surgeon General
Record Group 112

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File: Over exposure Fourth U.S. Army