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FOR APPROVAL OF

| NAME | APPROVED | DATE |
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| GM Dalen | GMD | |
| JF Honstead | JFH | 11/14/67 |
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PNL-9375

November 13, 1967

REPOSITORY PNL
COLLECTION I-131 Atmosphere
BOX No. J Soldat
FOLDER N/A

AIR MAIL

Mr. H. B. Piper
Nuclear Safety Information Center
Oak Ridge National Laboratory
P. O. Box Y
Oak Ridge, Tennessee 37830

Dear Mr. Piper:

I have reviewed the draft of material which you prepared for inclusion in your forthcoming article in Nuclear Safety. In general, I believe you have put the incident in proper perspective. It is unfortunate that my report, written to describe a method of evaluation, should have been so erroneously interpreted.

At your request, I have determined that the child referred to in my paper is indeed alive and attending a local school. As you aptly stated, the insignificant radiation dose of 35 mrem (estimated to have been the maximum received by the thyroid of any individual as a result of the radioiodine release) had no continuing interest as far as radiation effects studies are concerned. In fact, if I were to move from Richland, Washington to say Denver, Colorado, the gain of 5000 feet in altitude would result in an increased annual radiation dose from cosmic radiation of about this same amount (30-40 mrem per year).

I would appreciate a revision of the quotation on Page 9 principally because I am not a medical doctor and cannot make authoritative statements about a person's health. Perhaps reference to a letter would carry more weight than reference to a telephone conversation. The following substitution is therefore suggested:

> . . . In a letter received from Mr. J. K. Soldat[17], author of the document in question, it was stated "that the child referred to in my paper is indeed alive." . . .

I also suggest the addition of a few words on Page 7 as indicated on a copy of your draft enclosed. I suggest rounding off the

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AEC-RL RICHLAND, WASH

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background radiation data to 30% and 120 mrem. (Page 8)

Incidentally, the subject report HW-SA-3338 was given orally to the Health Physics Society annual meeting held in Cincinnati, Ohio on June 18, 1964. It appeared in Health Physics, Volume 11, pp 1009-1015 (1965), which is given world-wide distribution.

I hope this information is sufficient for your purposes and if you have any further questions, please don't hesitate to phone me.

Sincerely yours,

ORIGINAL SIGNED BY
J. K. SOLDAT

J. K. Soldat, C.H.P.
Senior Development Engineer
Environmental Studies Section
ENVIRONMENTAL HEALTH DEPARTMENT

JKS/hew

Enclosure

bcc: GM Dalen
JF Honstead
AR Keene
IC Nelson
Central Files
JKS/LB

CENTRAL FILES

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AEC-RL RICHLAND, WASH.