

RHTG # 88,922

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DOCUMENT NO. IA 369

COPY NO. 2 OF 3 SERIES A

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September 13, 1957

File  
Lockland Area Branch Office

D. R. Smith, Reactor Engineer, Technical  
Branch, Lockland Area Branch Office

This document consists of 1 pages

MEETING ON HTRE #2 - INSERT 2 HAZARDS(a) Copy No. 2 of 3 copies, Series A

A meeting was held between D. R. Smith, LABO and A. J. Nelson, P. Griffiths, and N. F. Islitzer, IDO, to reaffirm the understanding received from IDO regarding their review of APEX 319 HTRE #2 - Insert 2 - Hazards Report.

During the discussion the following points were brought out:

1. IDO considers that APEX 319 is as satisfactory an evaluation of the thyroid dose as presently known techniques permit. However, they feel that an experimental confirmation of the calculations should be made during the early low power operation of Insert 2.
2. IDO considers the present procedures adequate for the operational control of HTRE #2 - Insert 2, providing the release rate is 100 curies per hour or below.
3. IDO has suggested that a more complete evaluation of the masking of field alpha radiation by the normal release rates be made. In particular, an evaluation should be made as to what percent of a normal accident could be detected on the monitoring instrumentation. Further, based on the above analysis, a comparison of calculated dose rates in the field from a detectable failure and from the normal release rate should be made.

If the above recommendations are taken into consideration, it was felt that the operating plan could be liberalized sufficiently to allow the performance of an adequate test program.

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