

11/7/83 Letter to D. G. Eisenhower from J. F. Quirk
re: GESSAR-II Fire and Flood External Event Analysis
(81 pages)

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PDR FOIA
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2.5 Quantification of Fire-Induced Accident Sequences

Table 2.5-1 presents the core damage contribution for each critical location. The total fire contribution to core damage frequency was found to be 7.5×10^{-8} /yr which is 1.6 % of the total internal event core damage frequency (4.7×10^{-6}).

2.6 Release-Frequency Analysis

contribution to plant risk was calculated by summing over all release categories. The calculated fire-induced contribution to plant risk was 2.6×10^{-7} which is 1.6 percent of the internal event plant risk.