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APR 06 1984

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JOHN S. KEMPER
VICE-PRESIDENT
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Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Docket Nos.: 50-352
50-353

Subject: Limerick Generating Station, Units 1&2
Severe Accident Risk Assessment (SARA)

References: (1) Letter from J. S. Kemper to
A. Schwencer dated March 13, 1984.
(2) Telecon among L. Hulman and J. Reid
(NRC), G. Kaiser (NUS), and
G. Daebeler, S. Gibbon, W. McElroy
and J. Phillabaum (PECO) on
March 22, 1984.
(3) NUREG-0974, Limerick Draft
Environmental Statement Supplement
No. 1.

File: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

Attached are draft SARA pages (Figures 1, 2, 4, 5, 6, 7, 8, 10 and 17) that will be included in SARA Supplement 3 which will be submitted on April 10, 1984 as stated in the reference (1) letter. Also attached is a table reflecting the summary of point estimate results developed as part of this revised analysis in a format consistent with the information presented on page N-4 of reference (3).

As agreed upon in the reference (2) conference call, this letter provides assurance that the SARA conclusions have not changed significantly.

Sincerely,

John S. Kemper

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cc: See Attached Service List

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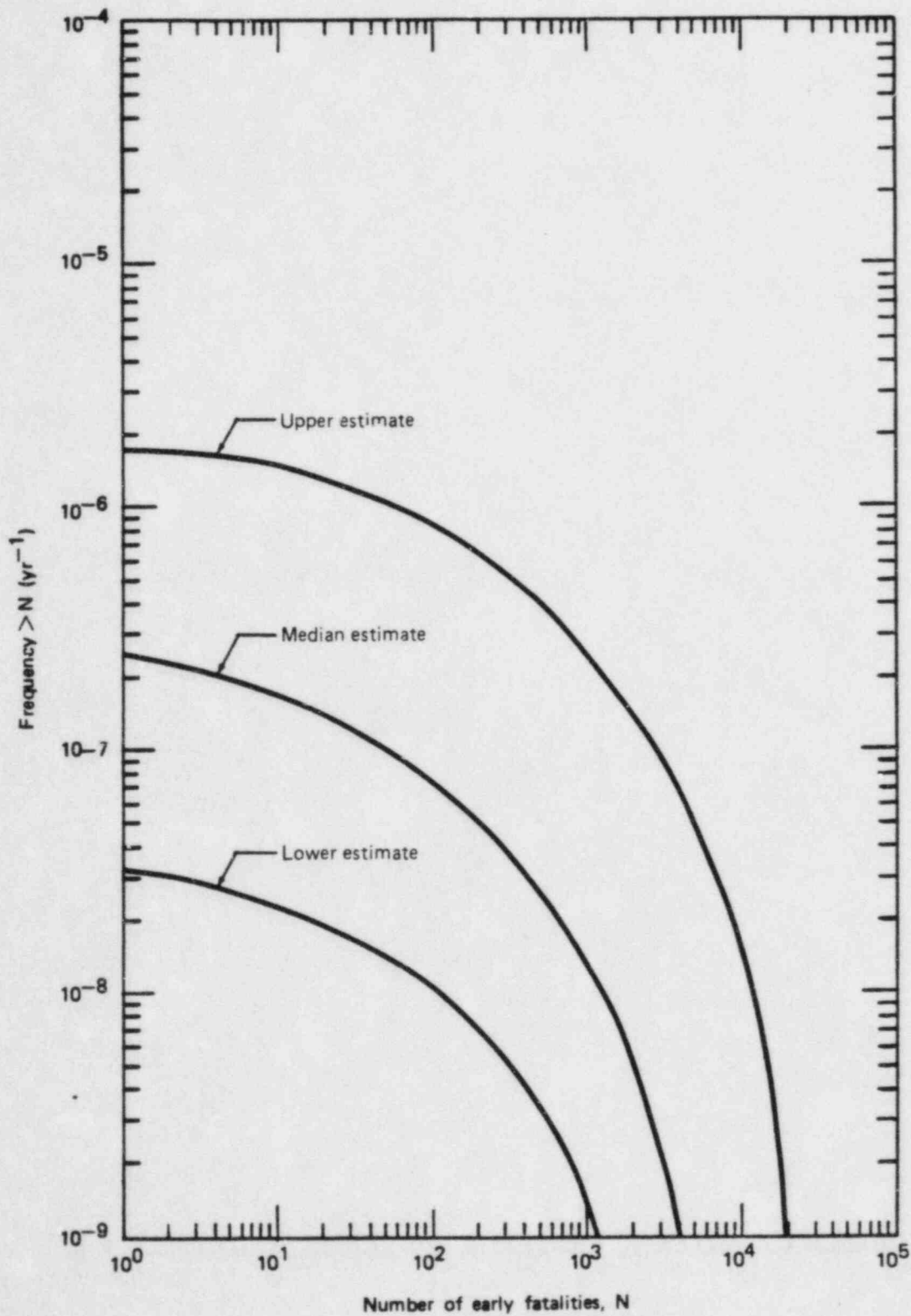


Figure 1. CCDFs for early fatalities from internal and external initiating events.
(Revised Figure 12-6 of LGS-SARA)

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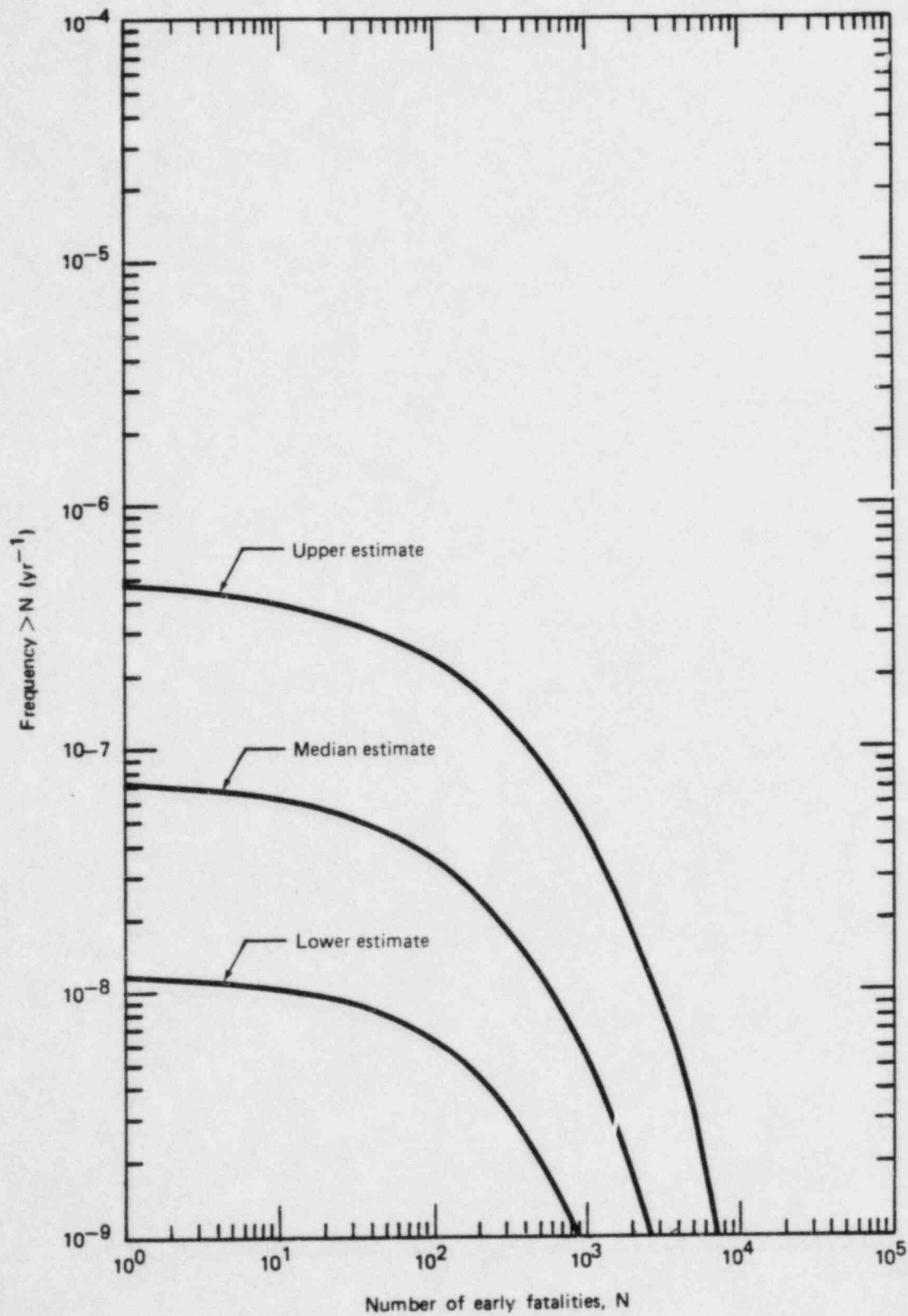


Figure 2. CCDFs for early fatalities from the internal initiating events of the LGS PRA.
(Revised Figure 12-7 of LGS-SARA)

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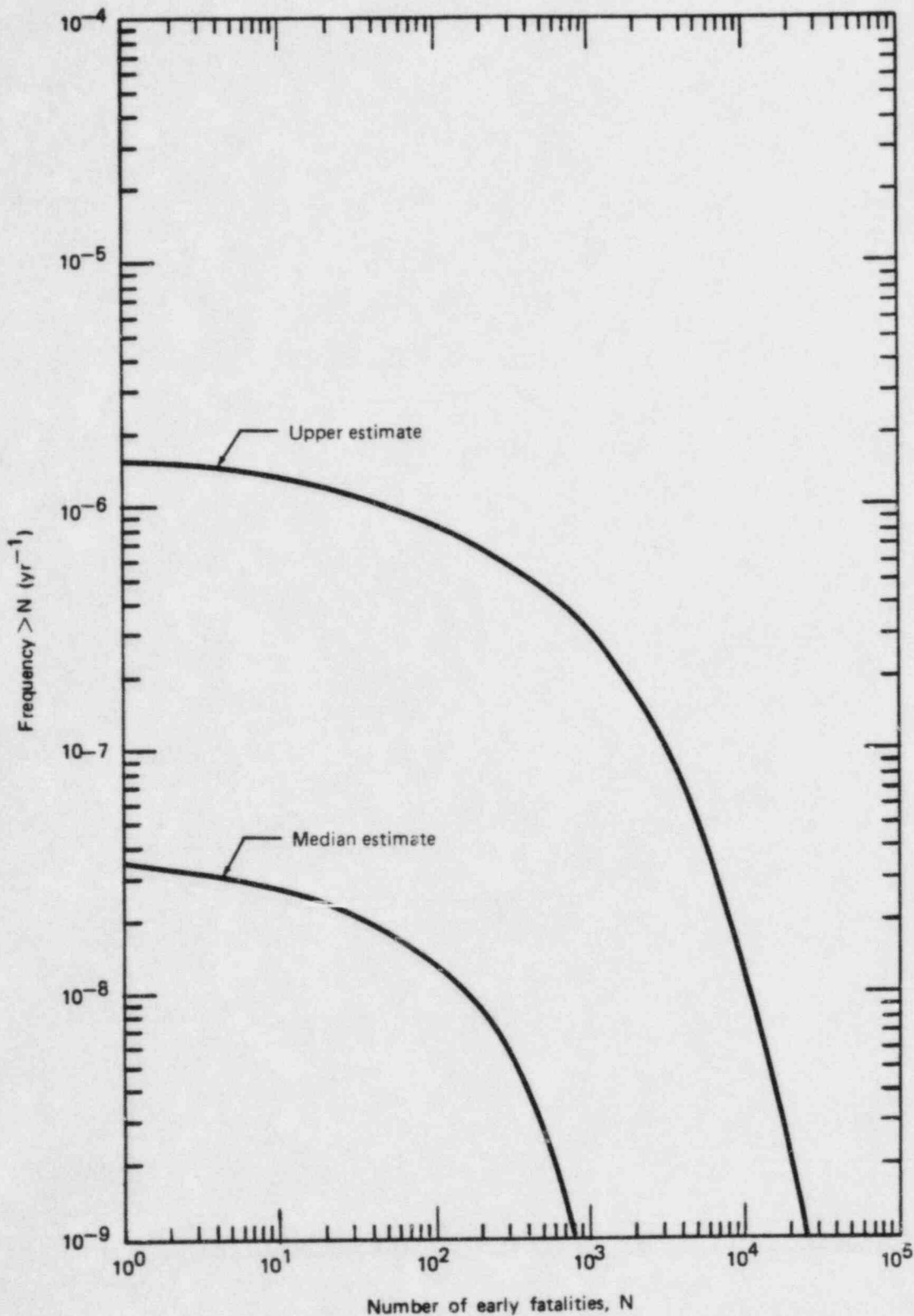


Figure 4. CCDFs for early fatalities from seismic initiating events.
(Revised Figure 12-9 of LGS-SARA)

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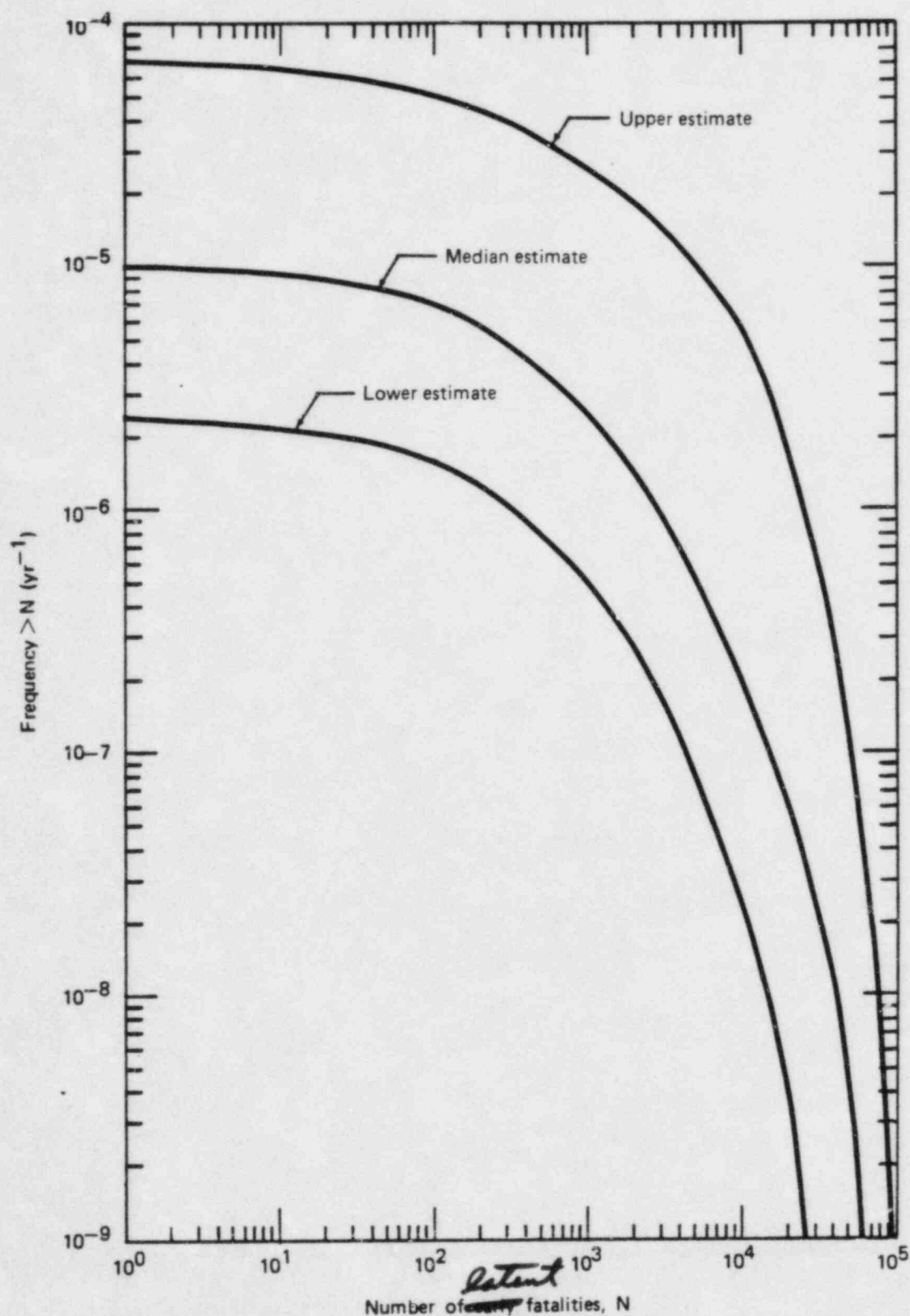


Figure 5. CCDFs for latent-cancer fatalities from internal, seismic, and fire initiating events.
(Revised Figure 12-10 of LGS-SARA)

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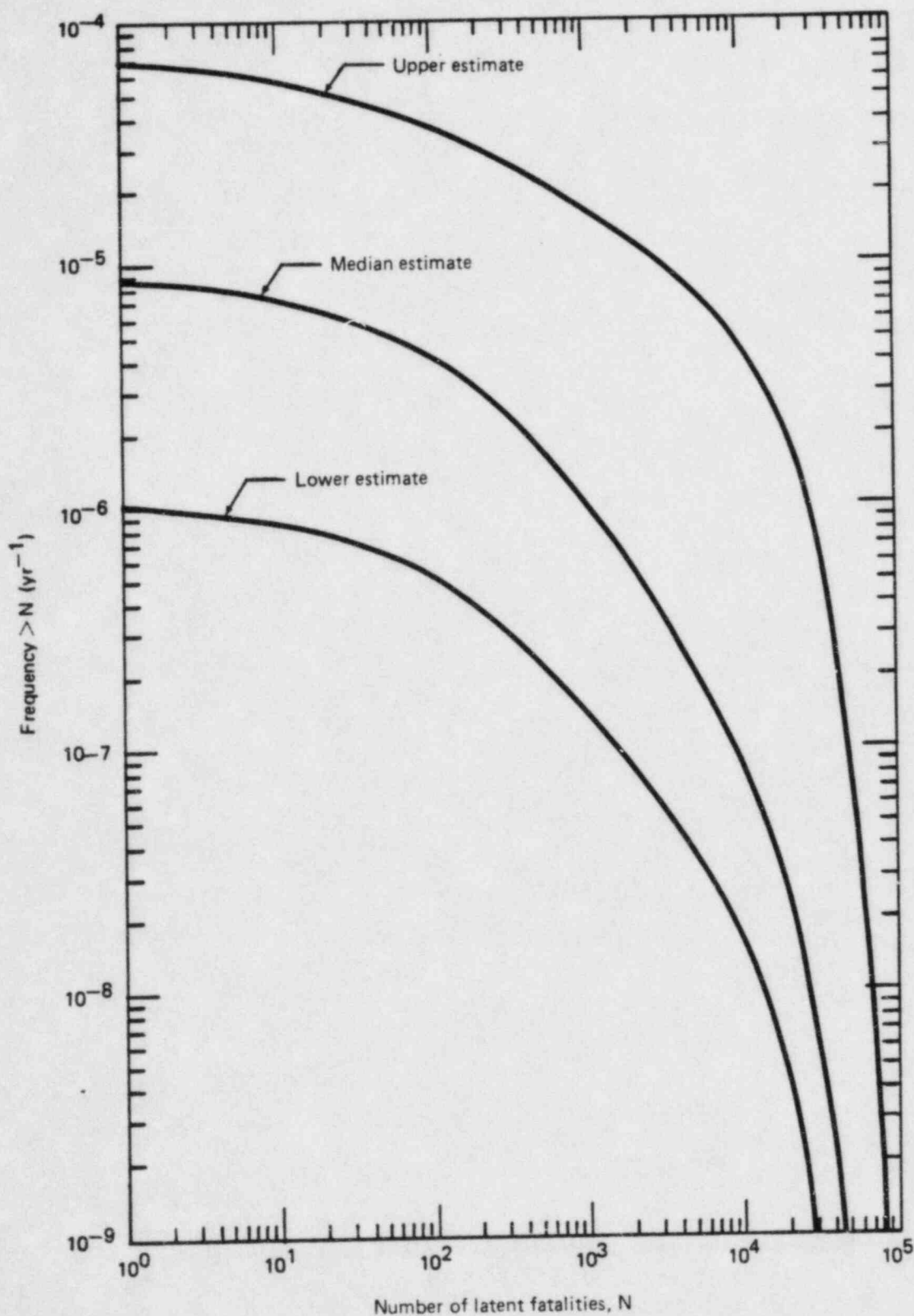


Figure 6. CCDFs for latent-cancer from internal initiating events.
(Revised Figure 12-11 of LGS-SARA)

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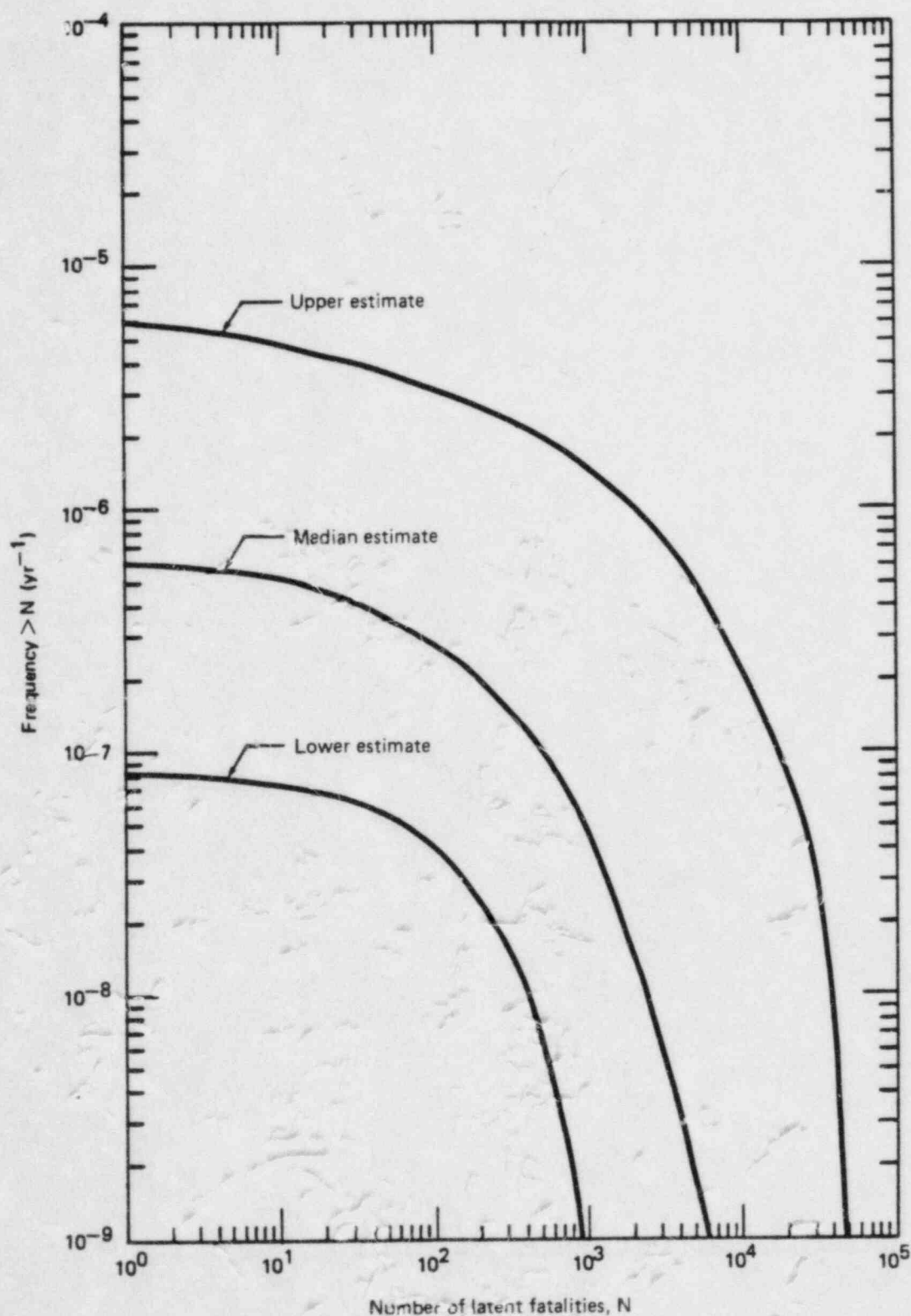


Figure 7. CCDFs for latent-cancer fatalities from fire initiating events.
(Revised Figure 12-12 of LGS-SARA)

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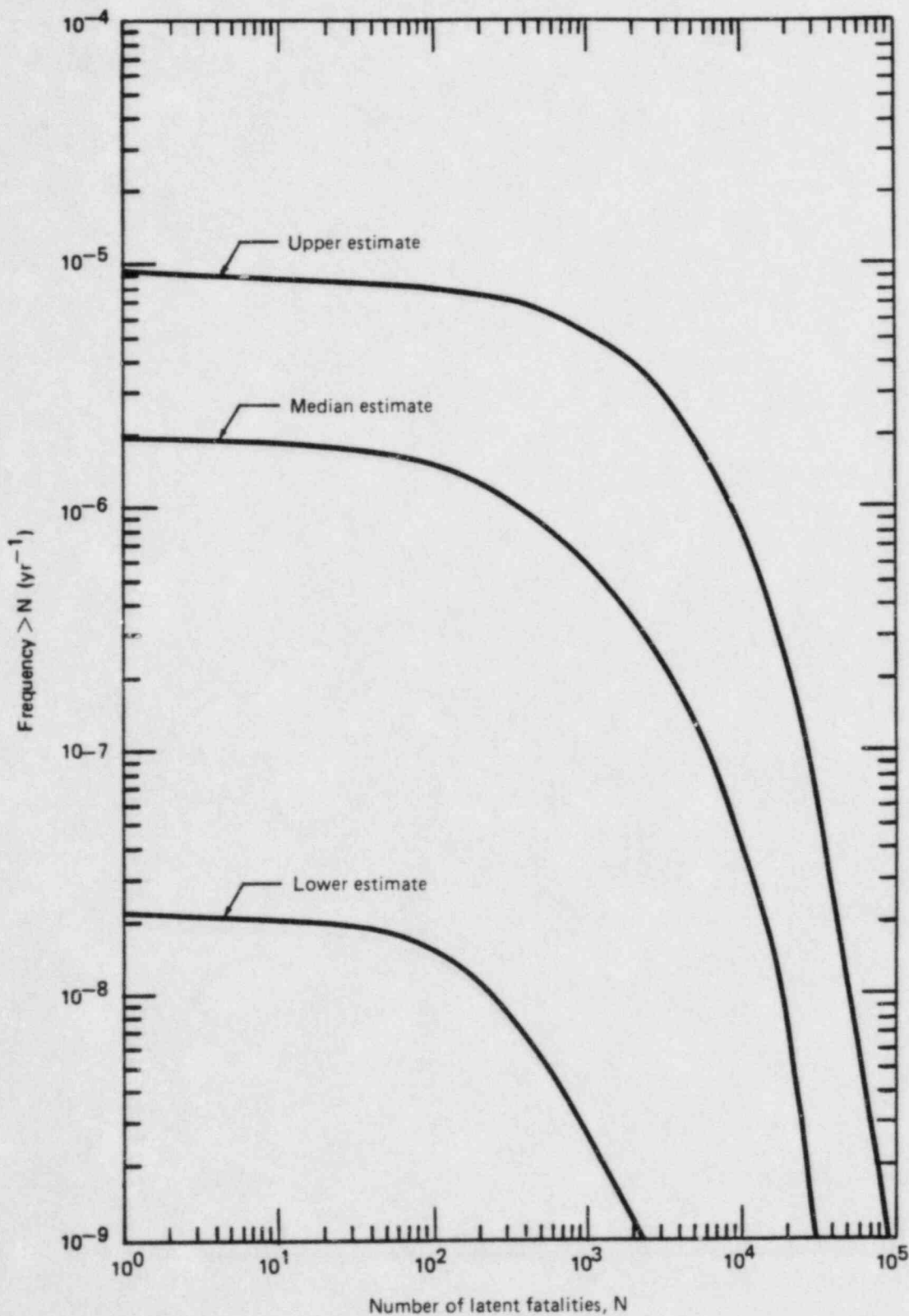


Figure 8. CCDFs for latent-cancer fatalities from seismic initiating events.
(Revised Figure 12-13 of LGS-SARA)

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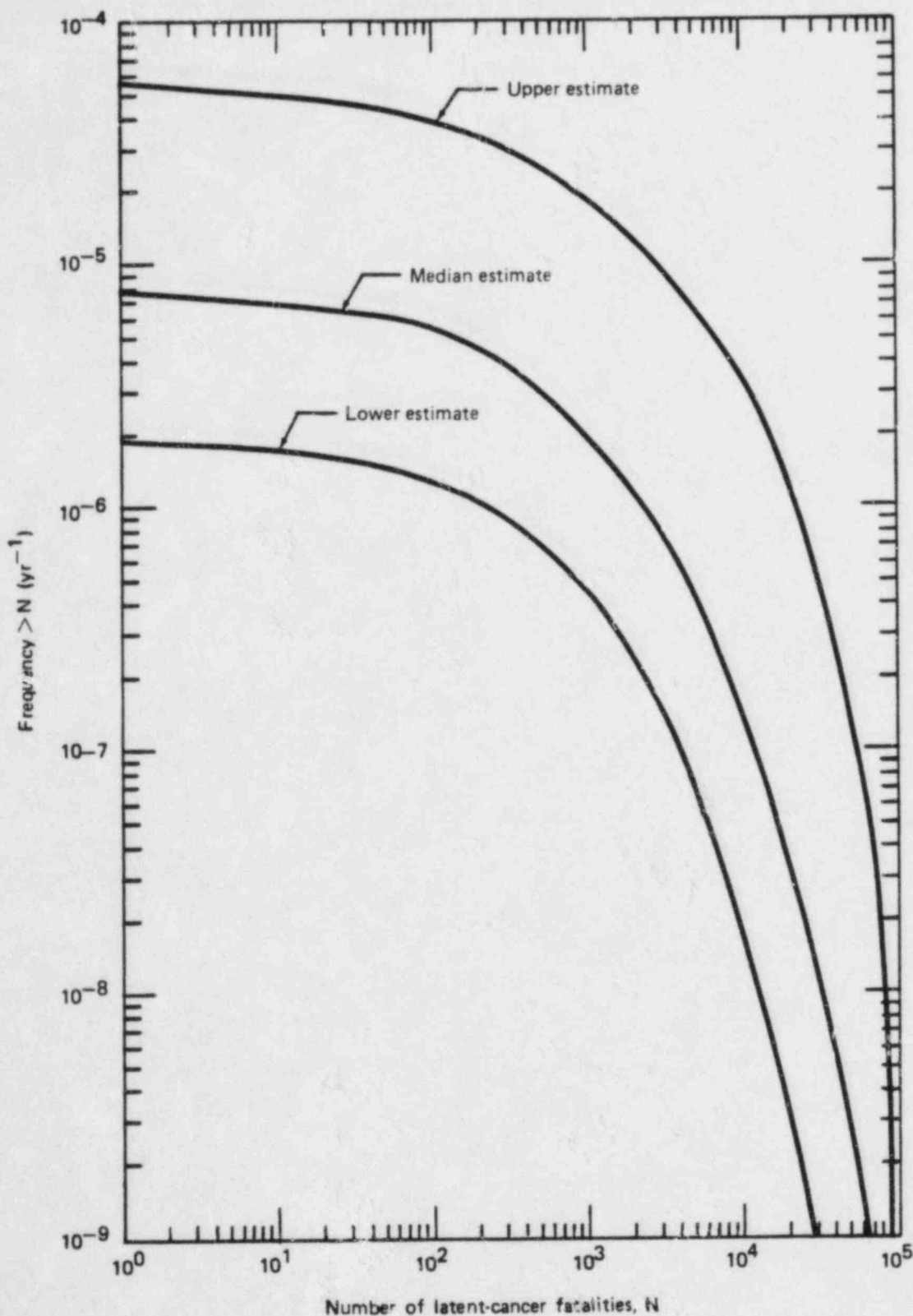


Figure 10. CCDFs for latent-cancer fatalities (excluding thyroid cancer), population to 50 miles, all initiating events.
(Revised Figure 12-15 LGS-SARA)

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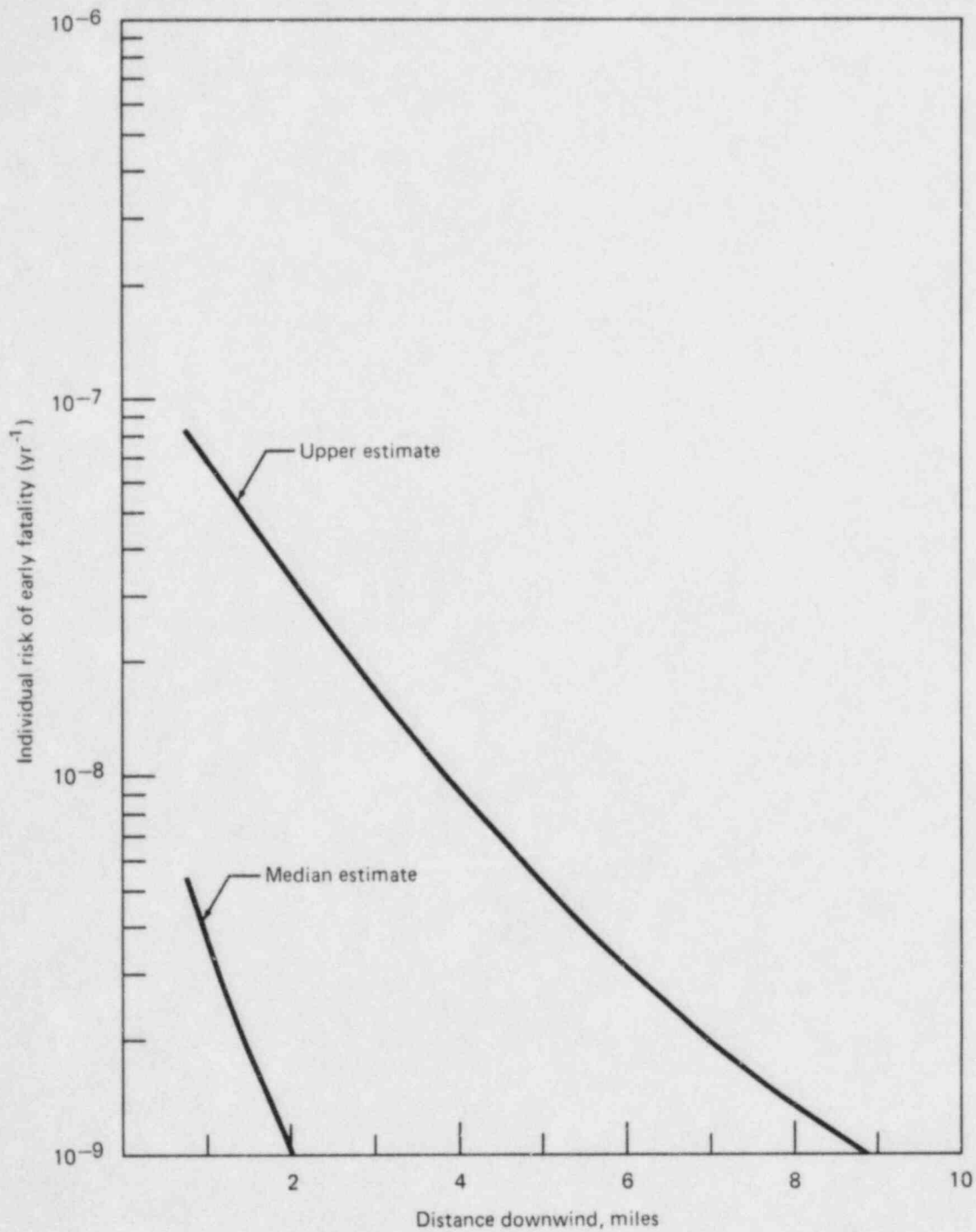


Figure 17 Individual risk of early fatality as a function of distance.
(Revised Figure 12-22 of LGS-SARA)

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Revision of Page N-4 of DES

Type of risk	Risk per reactor-year	
	Revised	Original
1. Early fatalities with supportive medical treatment (persons)	3.2-4	3.3-4
2. Latent cancer fatalities excluding thyroid (persons)		
50-mile (80-km) region	2.1-2	2.3-2
Entire region	3.3-2	3.0-2
3. Latent thyroid cancer fatalities (persons)		
50-mile (80-km) region	5.0-3	5.0-3
Entire region	6.4-3	6.3-3
4. Whole body person-rem		
50-mile (80-km) region	261	295
Entire region	444	510
5. Cost of offsite mitigation measures (1980 dollars)	1.6+4	2.1+4