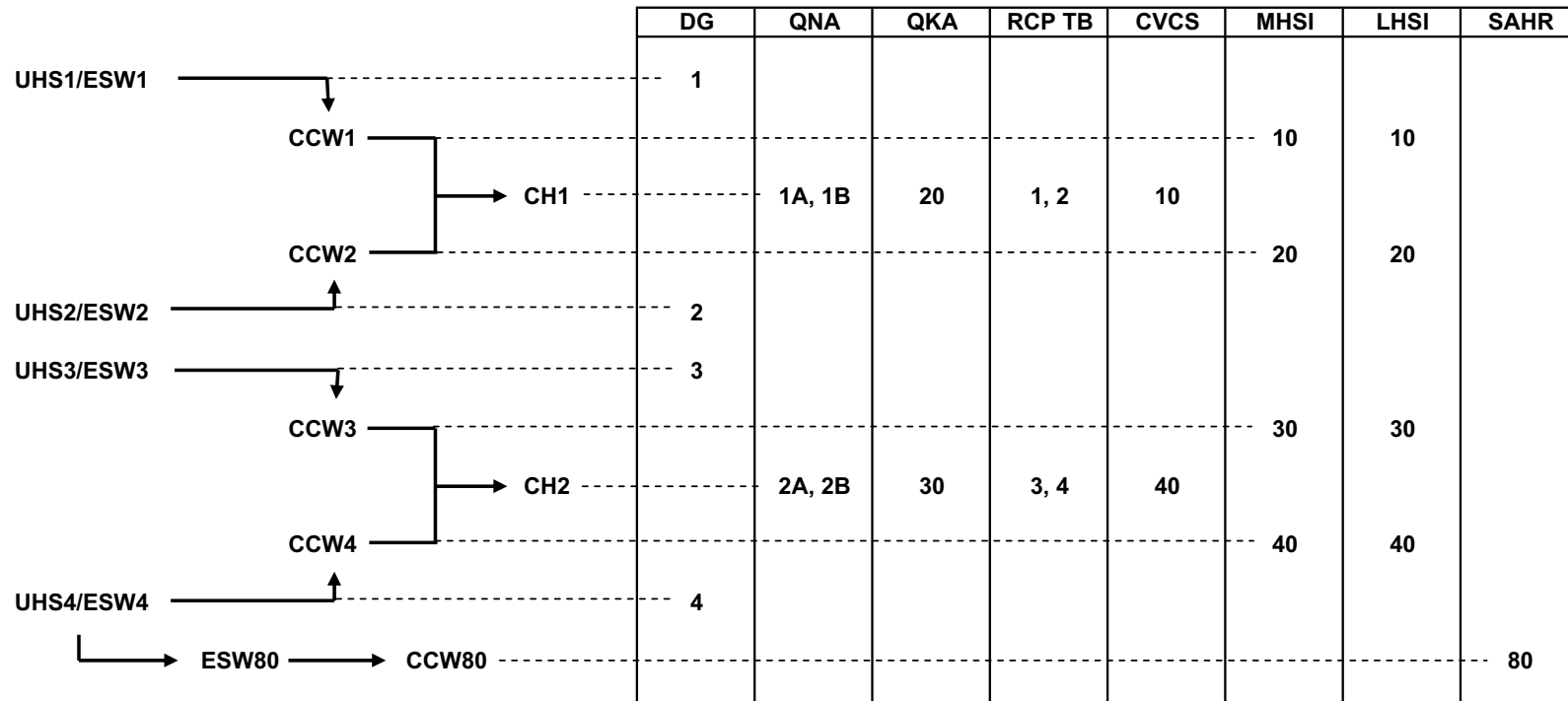
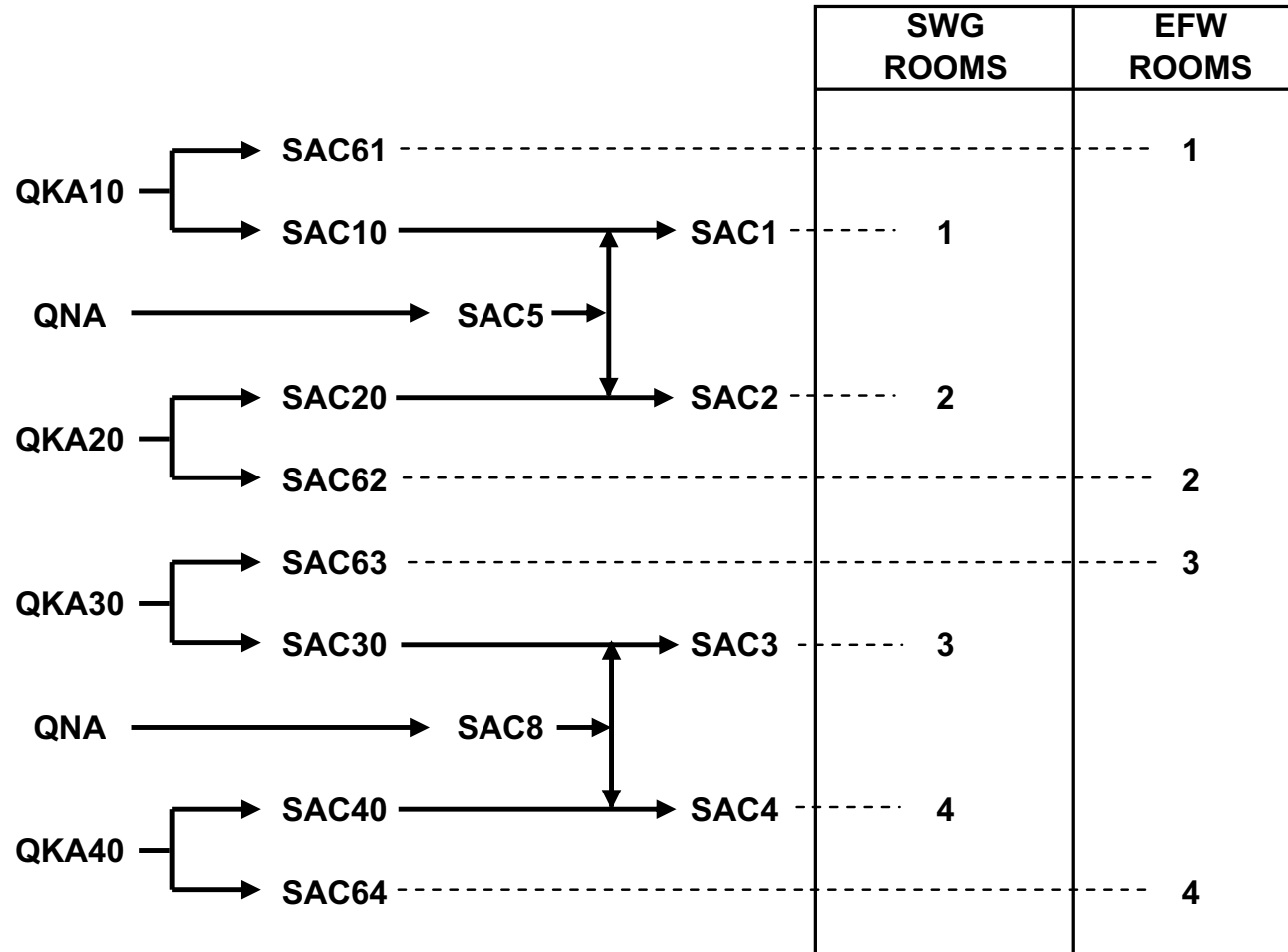


Figure 19.1-1—Cooling Water Dependencies Modeled in the U.S. EPR PRA



EPR6000 T2

Figure 19.1-2—Ventilation Dependencies Modeled in the U.S. EPR PRA



EPR6005 T2

Figure 19.1-3—Selected Dependencies on Electric Power Modeled in the U.S. EPR PRA

		RCP Seals								MSRIV				PSRV			PDSV		CCW Switchover	
		RCP1		RCP2		RCP3		RCP4		1	2	3	4	1	2	3	1	4	CH1	CH2
		L	N	L	N	L	N	L	N											
Electrical Buses	1E 480V	31BRA								■	■	■	■	■					■	
		32BRA								■	■	■	■	■		■			■	
		33BRA								■	■	■	■	■		■				■
		34BRA								■	■	■	■	■		■				■
	Non 1E 480V	31BRB	■														■	■		
		32BRB			■	■														
		33BRB					■	■												
		34BRB							■	■							■	■		
	1E 24V	BRW10 /BUW11								■	■	■	■							
		BRW32 /BUW33								■	■	■	■							
		BRW52 /BUW53								■	■	■	■							
		BRW70 /BUW71								■	■	■	■							
	1E 24V	BRW12 /BUW13																	■	
		BRW32 /BUW31																	■	
		BRW52 /BUW51																		■
		BRW72 /BUW73																		■

Note: The non 1E buses in the table are backed by 12-hour batteries; the 1E buses in the table are backed by 2-hr batteries.

EPR6010 T2

Figure 19.1-4—U.S. EPR Initiating Events Contributions - Level 1 Internal Event

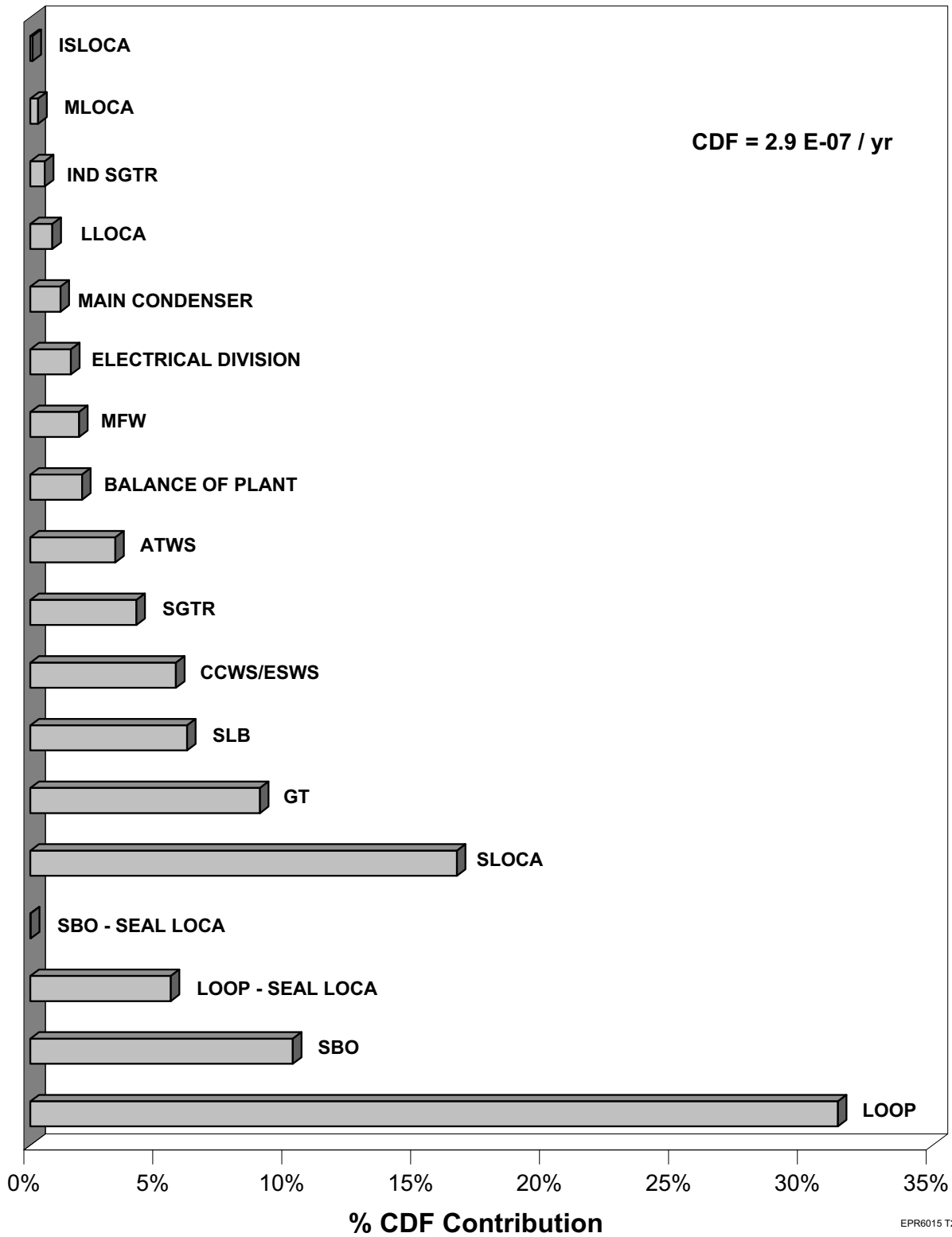
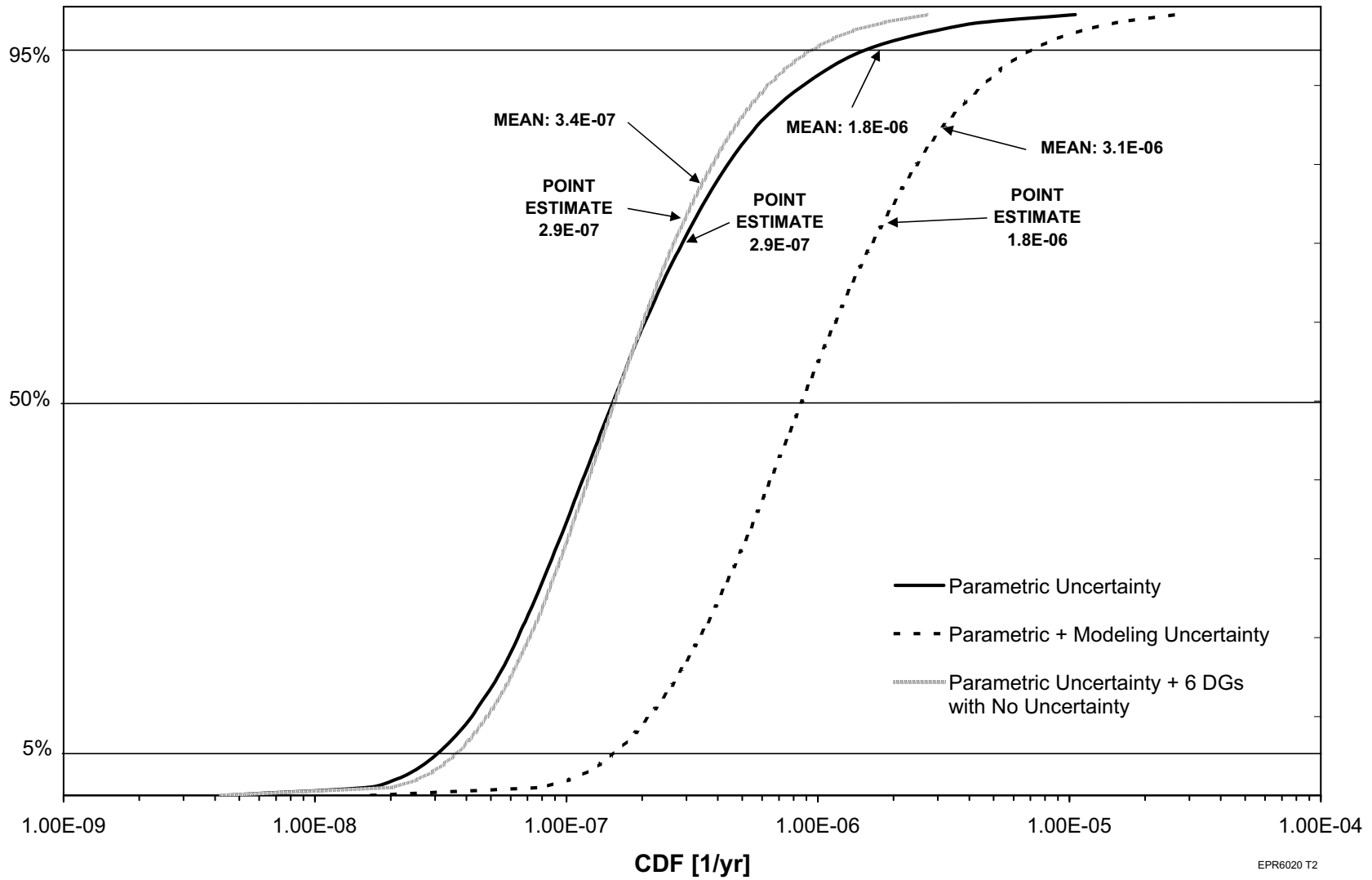
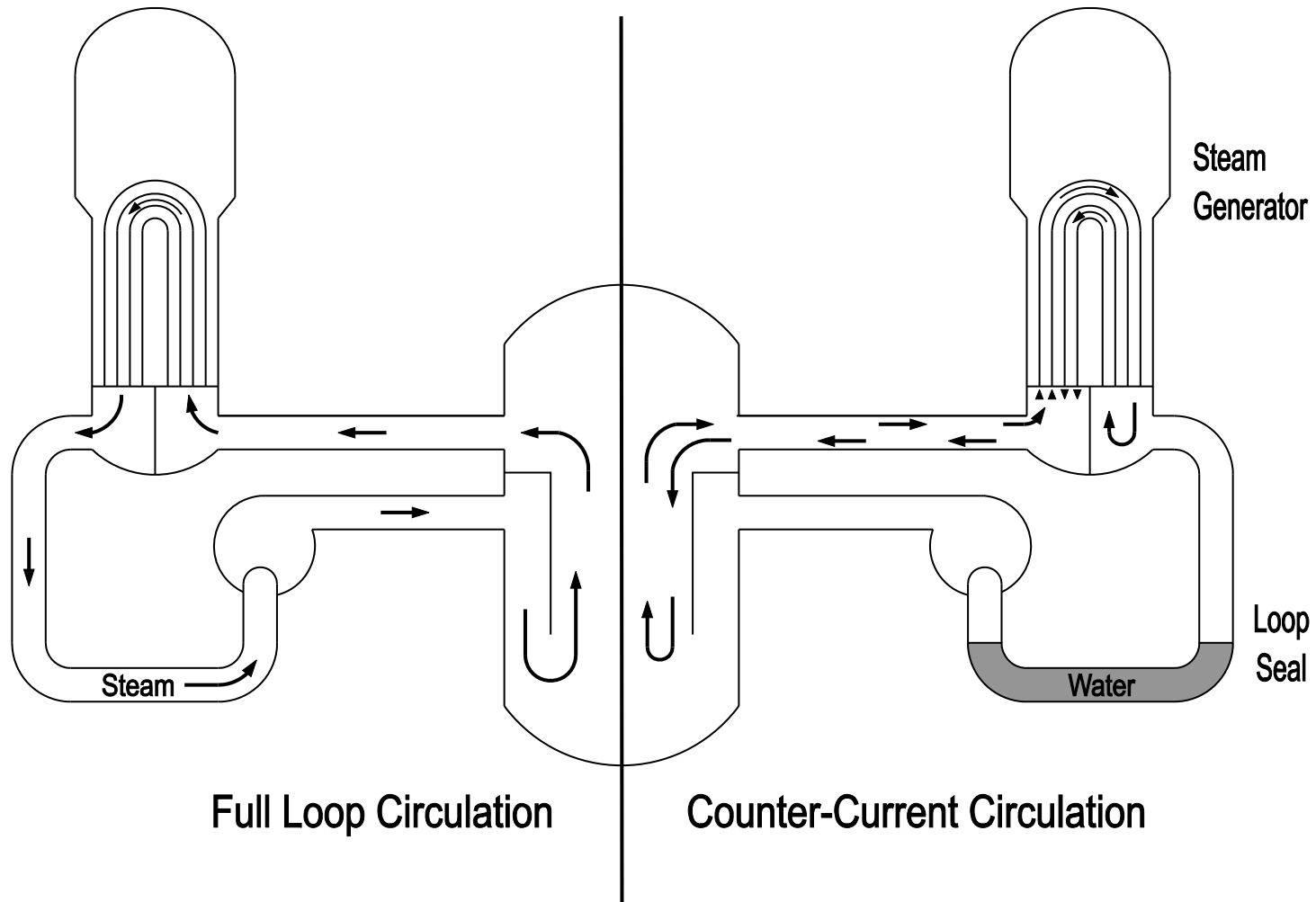


Figure 19.1-5—U.S. EPR Level 1 Internal Events Uncertainty Analysis Results – Cumulative Distributions for Internal Events CDF



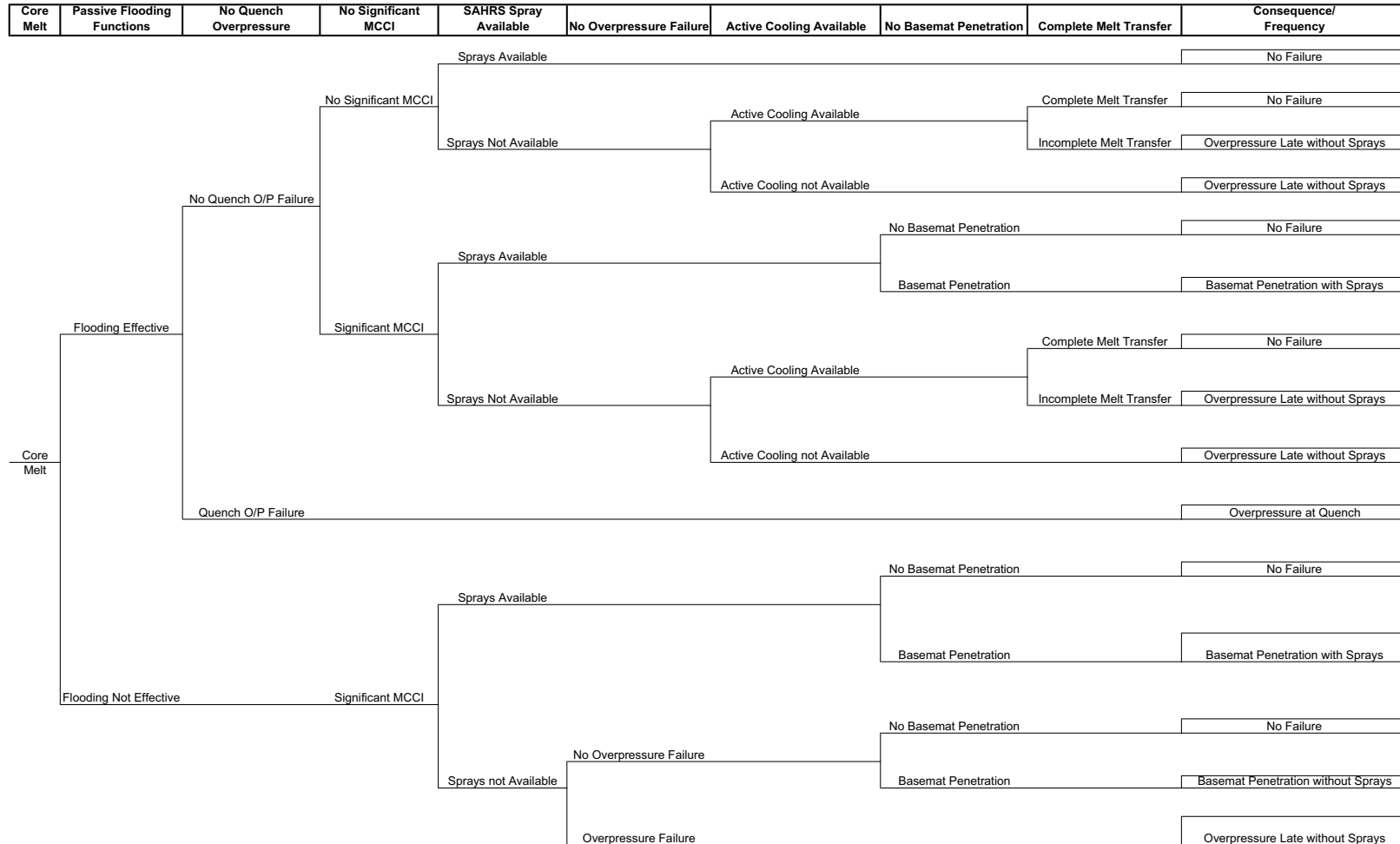
EPR6020 T2

Figure 19.1-6—Natural Circulation Flowpaths in the Primary System



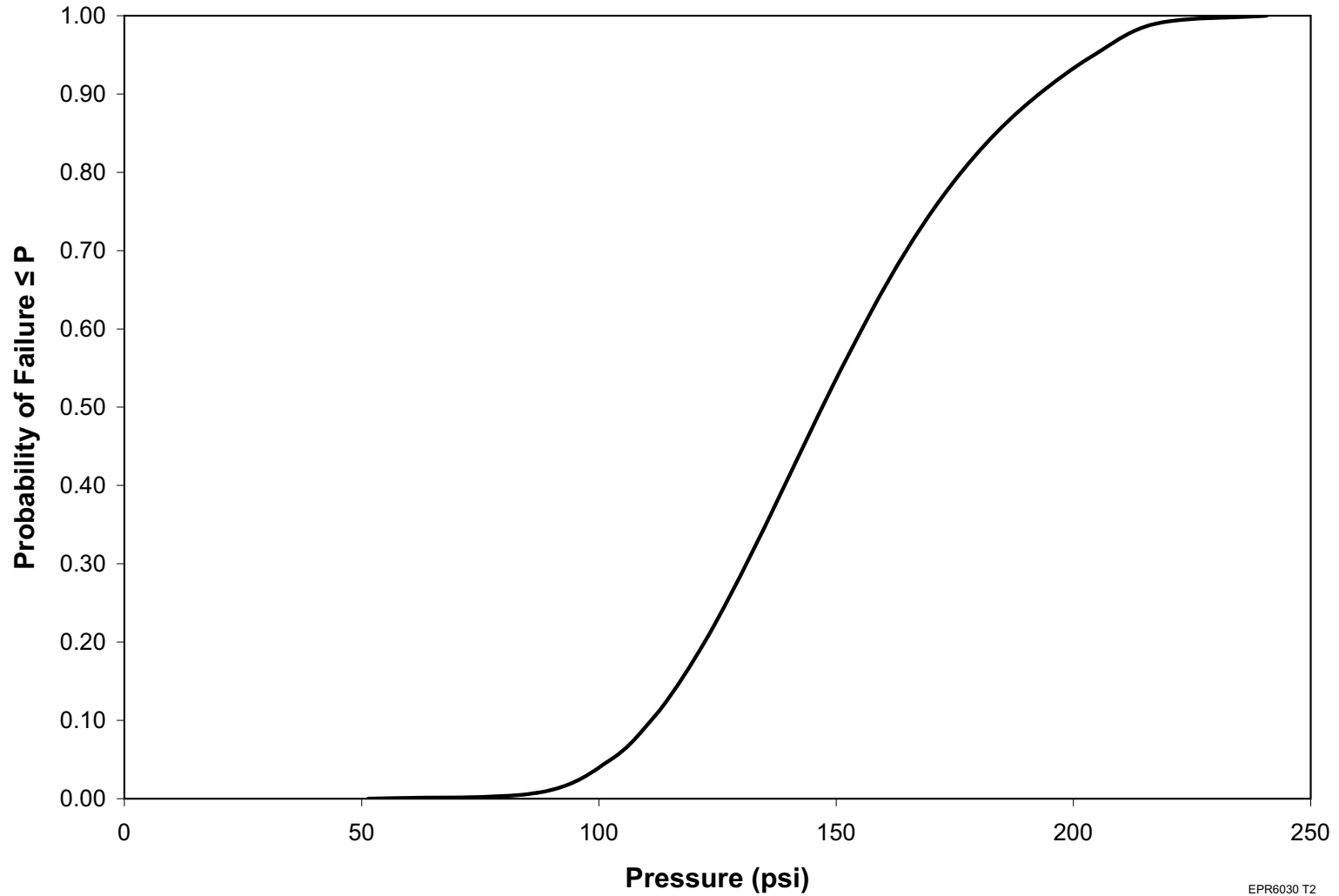
EPR6025 T2

Figure 19.1-7—Decomposition Event Tree for Long Term Challenges



EPR6027 T2

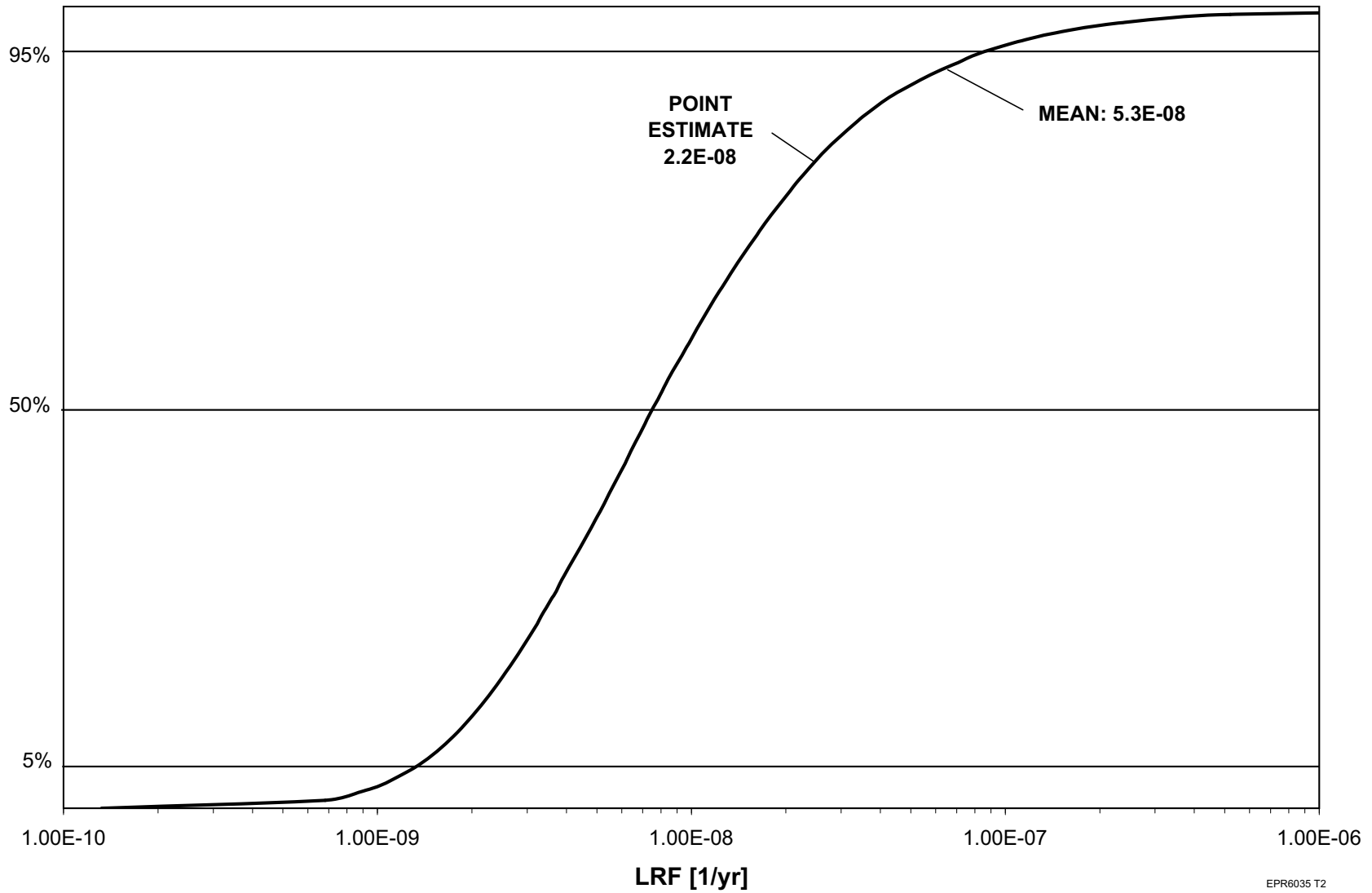
Figure 19.1-8—Composite Containment Fragility Curve at 170°C



EPR6030 T2

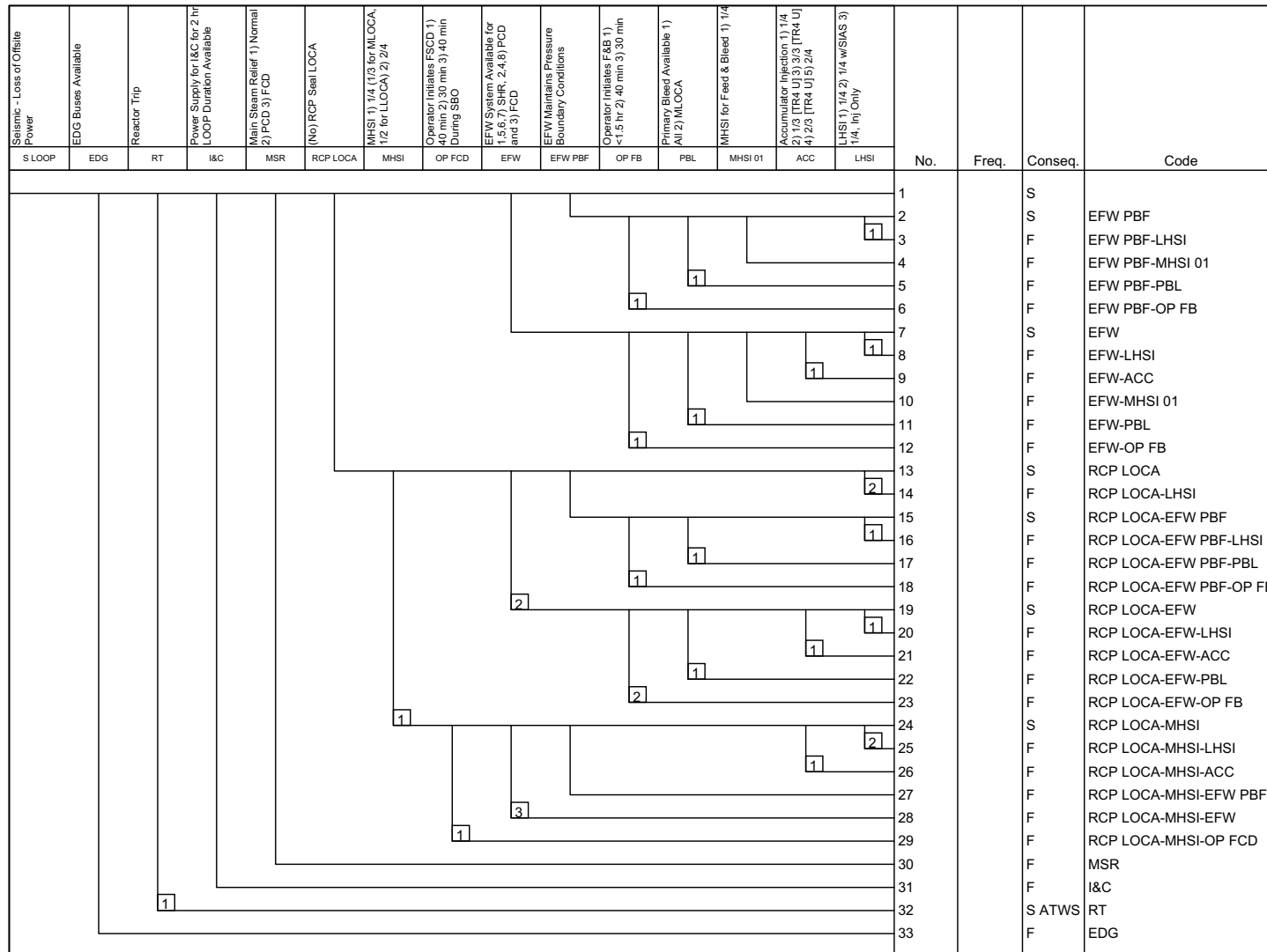


Figure 19.1-9—Level 2 Internal Events Uncertainty Analysis Results -Cumulative Distribution Function for LRF



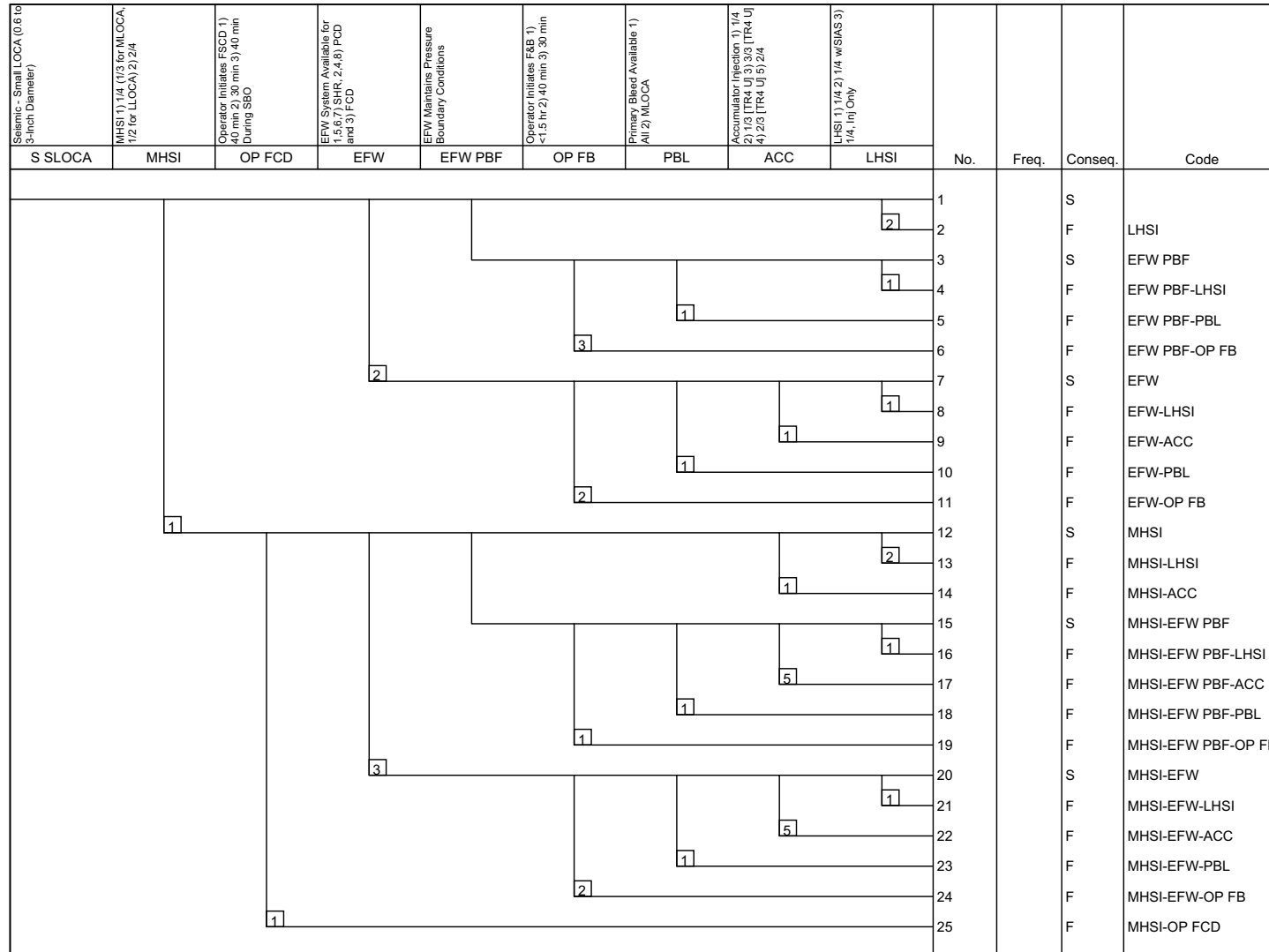
EPR6035 T2

Figure 19.1-10—Event Tree for Seismic Loss of Offsite Power (S LOOP)



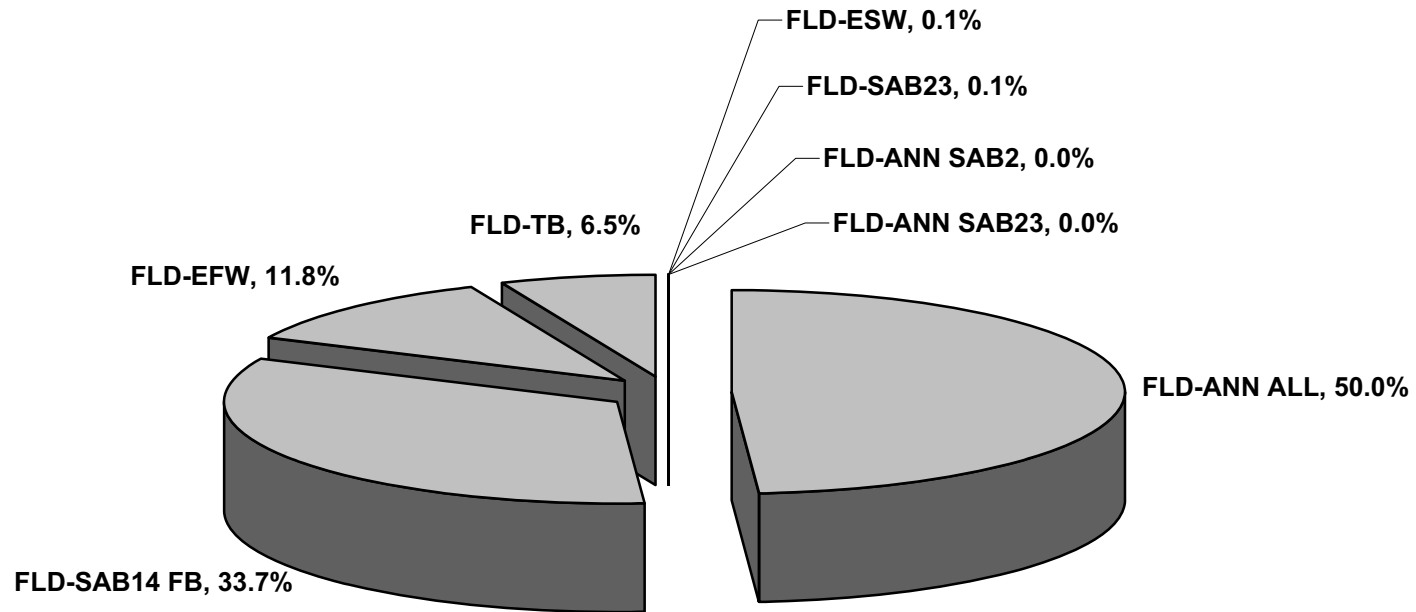
EPR6045 T2

Figure 19.1-11—Event Tree for Seismic Small LOCA (S SLOCA)



EPR6050 T2

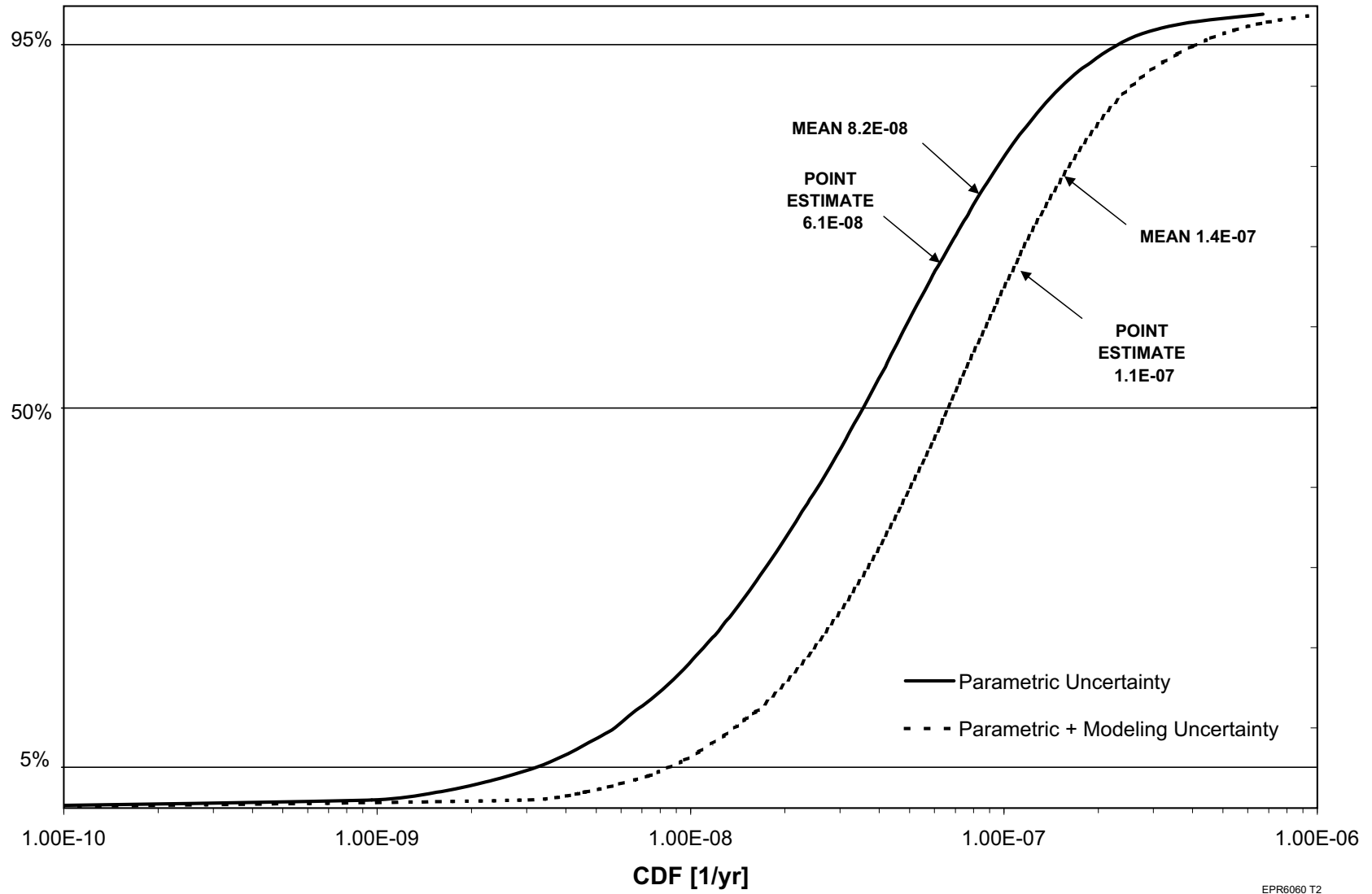
Figure 19.1-12—U.S. EPR Initiating Event Contributions – Level 1 Flooding



Flood CDF: 6.1E-08/yr

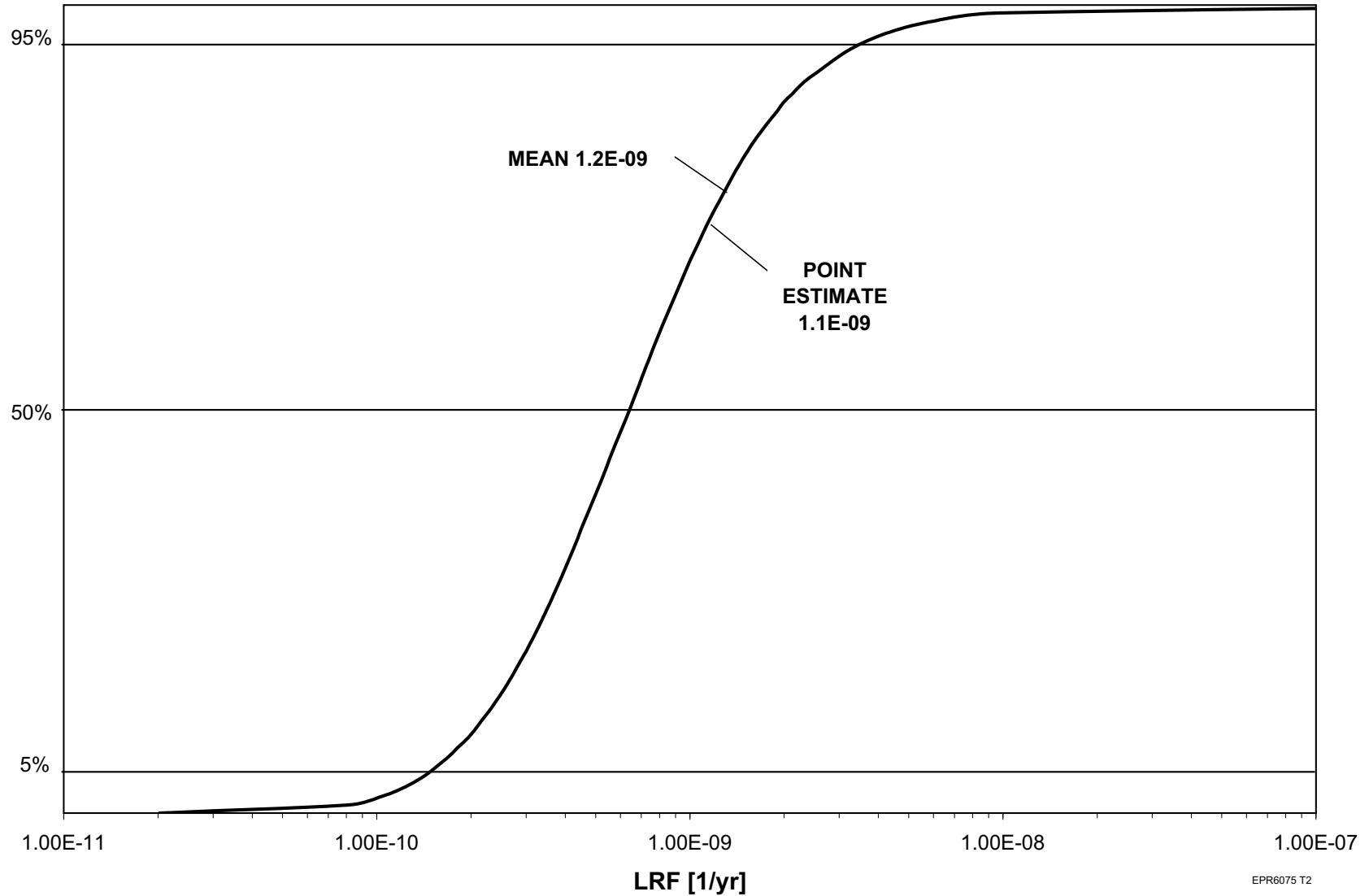
EPR6055 T2

Figure 19.1-13—U.S. EPR Level 1 Internal Flooding Events Uncertainty Analysis Results - -Cumulative Distribution for Flood Events CDF



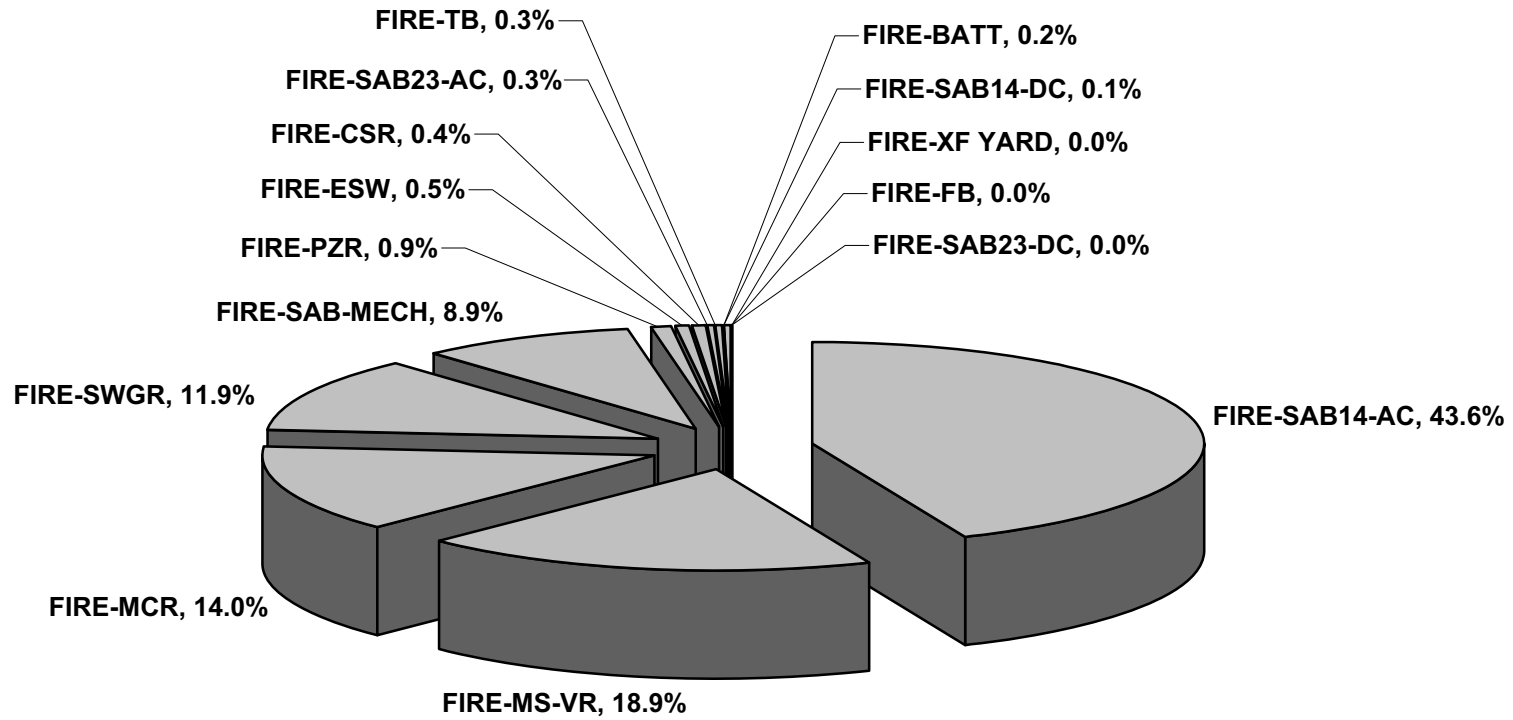
EPR6060 T2

Figure 19.1-14—U.S. EPR Level 2 Flooding Events Uncertainty Analysis Results – Cumulative Distribution Function for LRF



EPR6075 T2

Figure 19.1-15—U.S. EPR Initiating Event Contributions – Level 1 Fire



Fire CDF: 1.8E-07/yr

EPR6065 T2

**Figure 19.1-16—Cross-section of Safeguard Building 4 Illustrating the PRA Fire Areas**

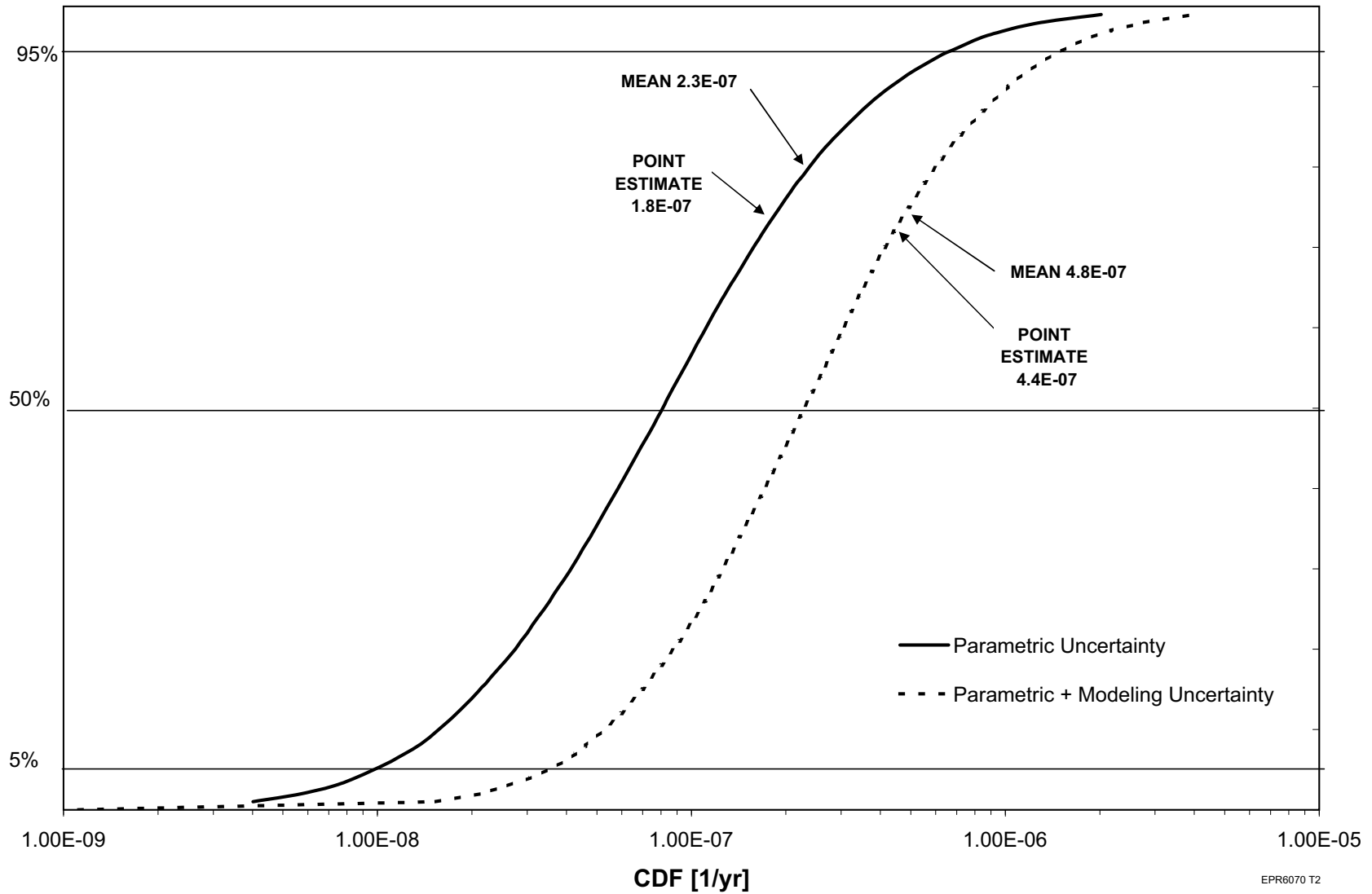
**Official Use Only - Security Sensitive Information - Withhold under 10 CFR 2.390**



**Figure 19.1-17—Cross-section of Safeguard Building 2 Illustrating the PRA Fire Areas**

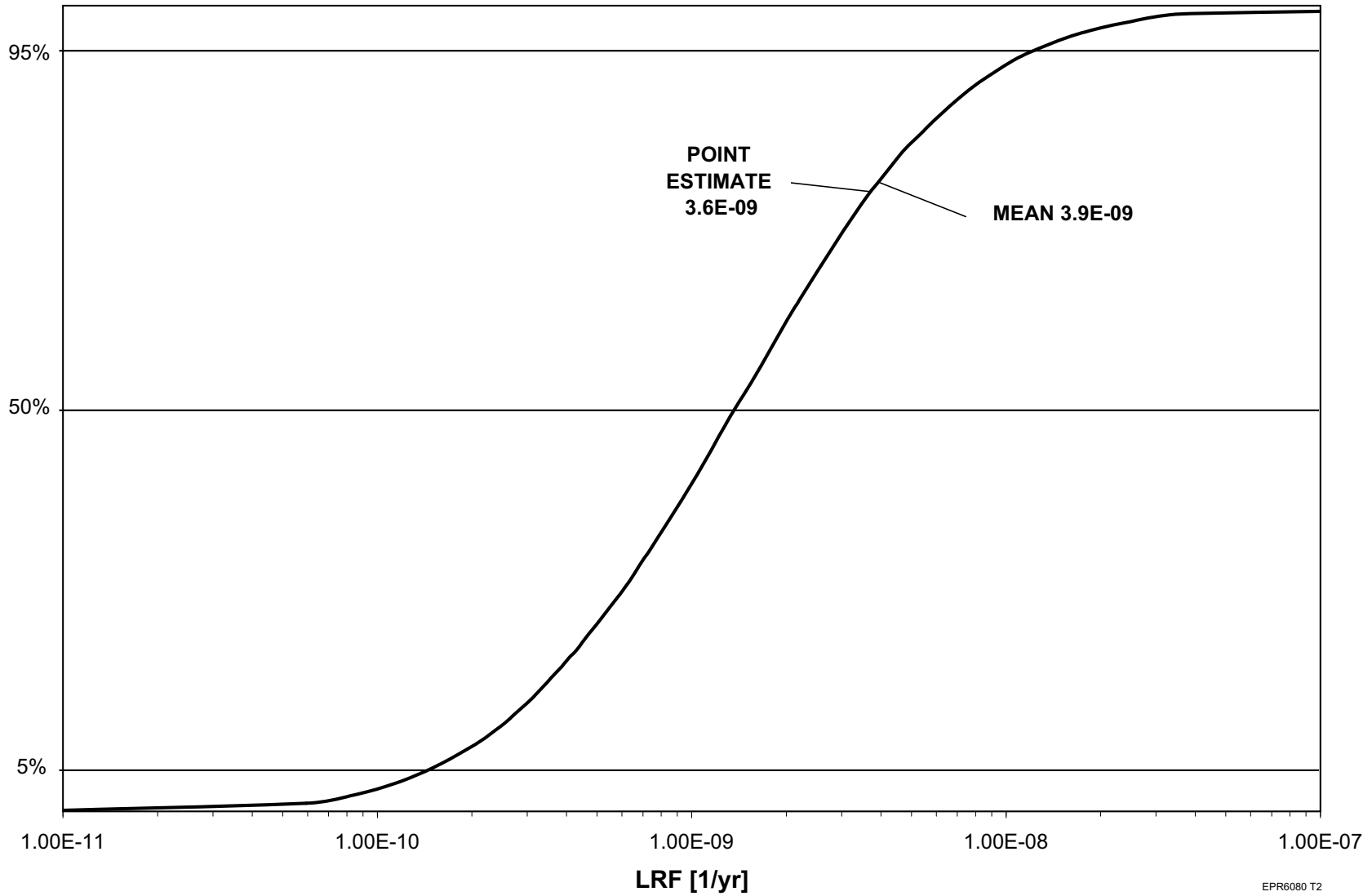
**Official Use Only - Security Sensitive Information - Withhold under 10 CFR 2.390**

Figure 19.1-18—U.S. EPR Level 1 Internal Fire Events Uncertainty Analysis Results



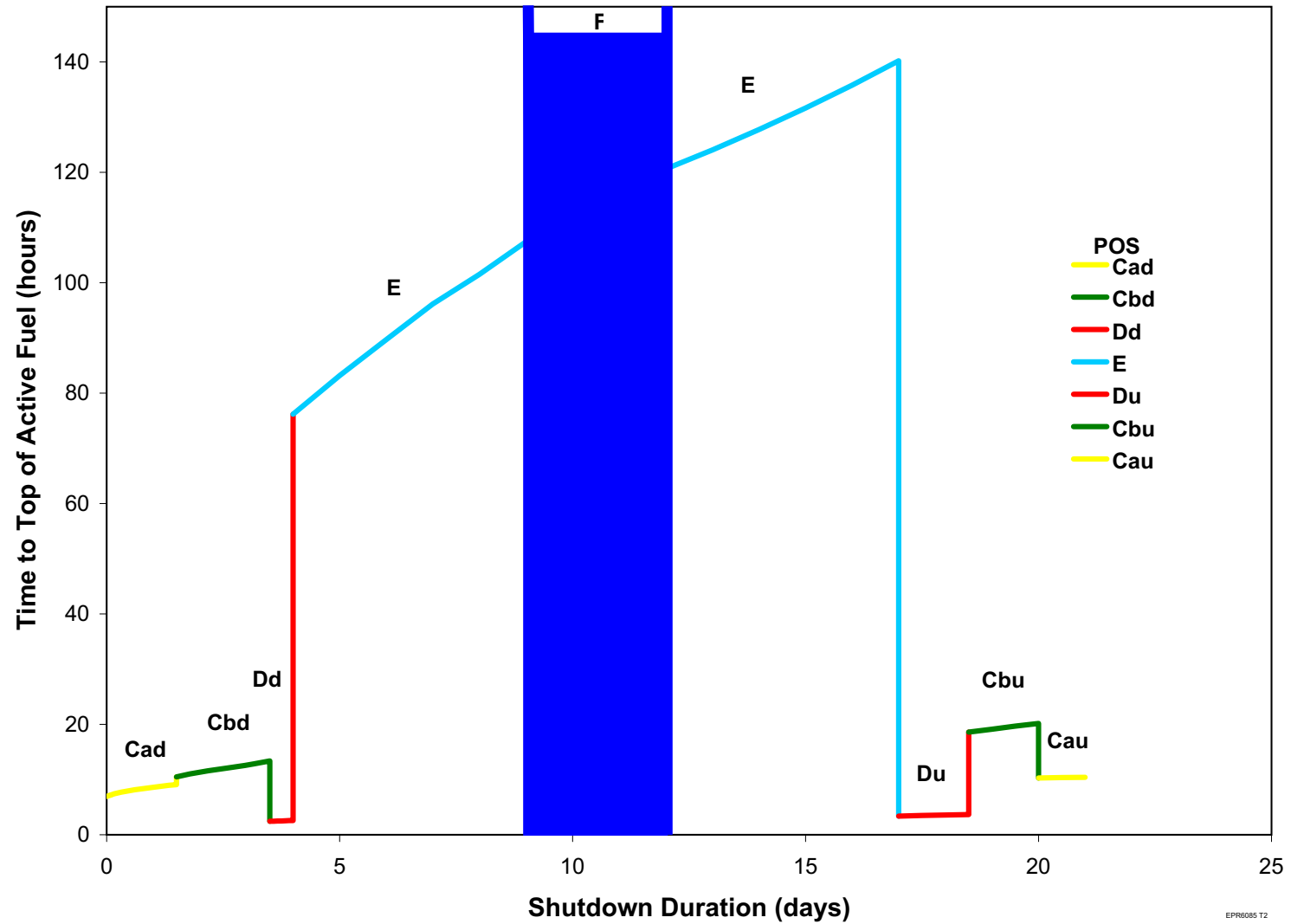
EPR6070 T2

Figure 19.1-19—U.S. EPR Level 2 Fire Events Uncertainty Analysis Results – Cumulative Distribution Function for LRF



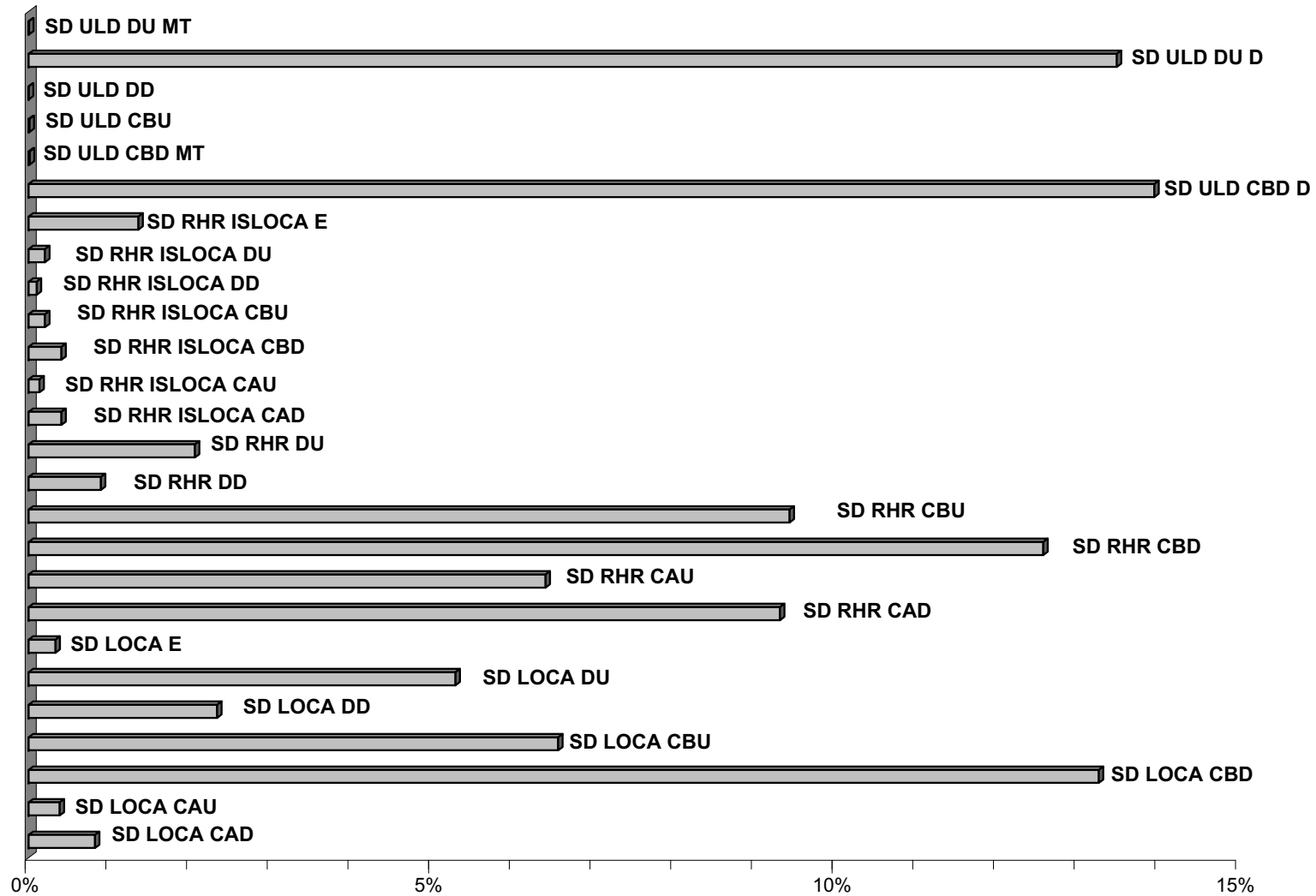
EPR6080 T2

Figure 19.1-20—Time to TAF –Level 1 Shutdown



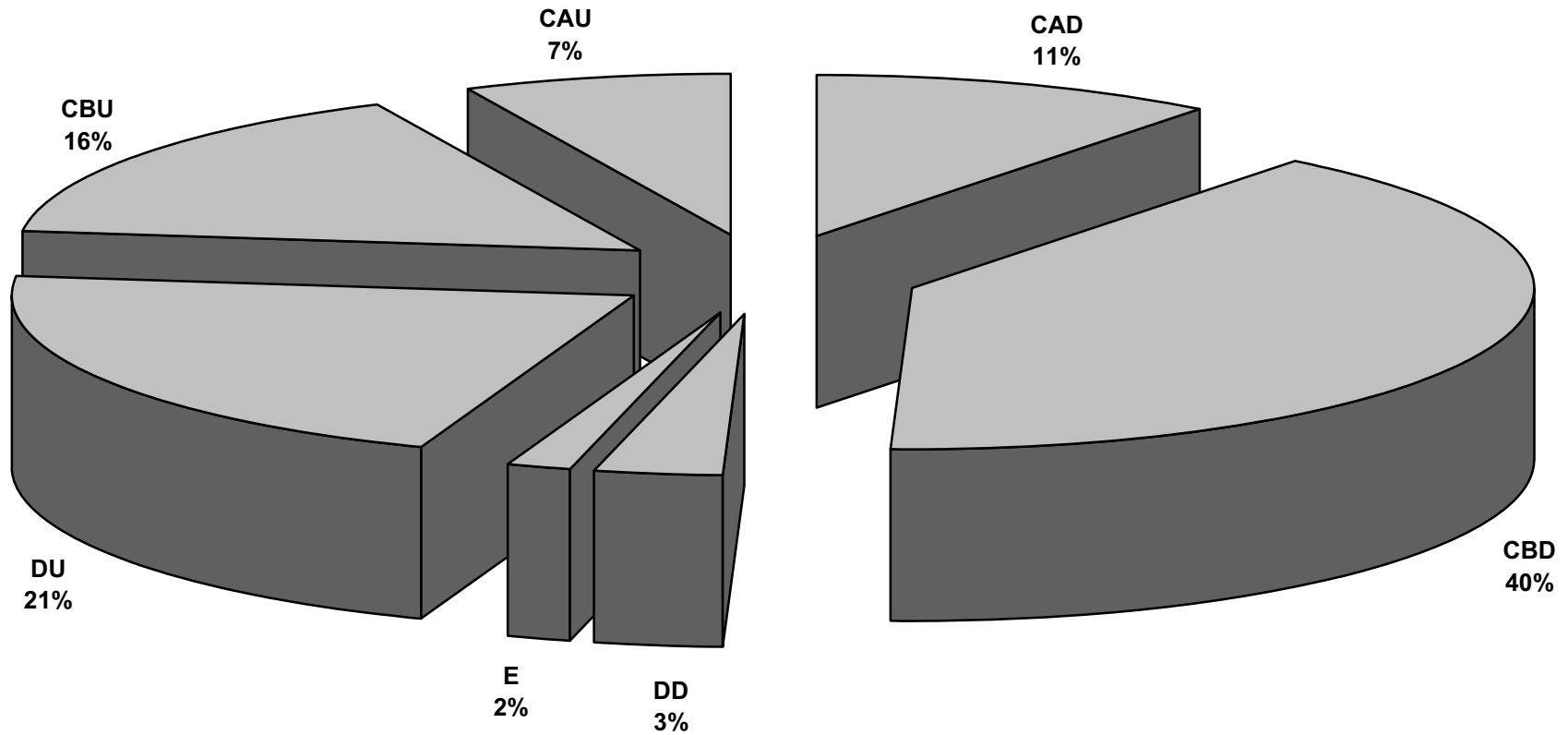
EPR6085 T2

Figure 19.1-21—U.S. EPR Initiating Event Contributions – Level 1 Shutdown



EPR6090 T2

Figure 19.1-22—U.S. EPR Shutdown State Contribution – Level 1 Shutdown



Shutdown CDF = 5.8 E-08

EPR6095 T2

Figure 19.1-23—U.S. EPR Level 1 Shutdown Events Uncertainty Analysis Results – Cumulative Distribution for Low Power and Shutdown CDF

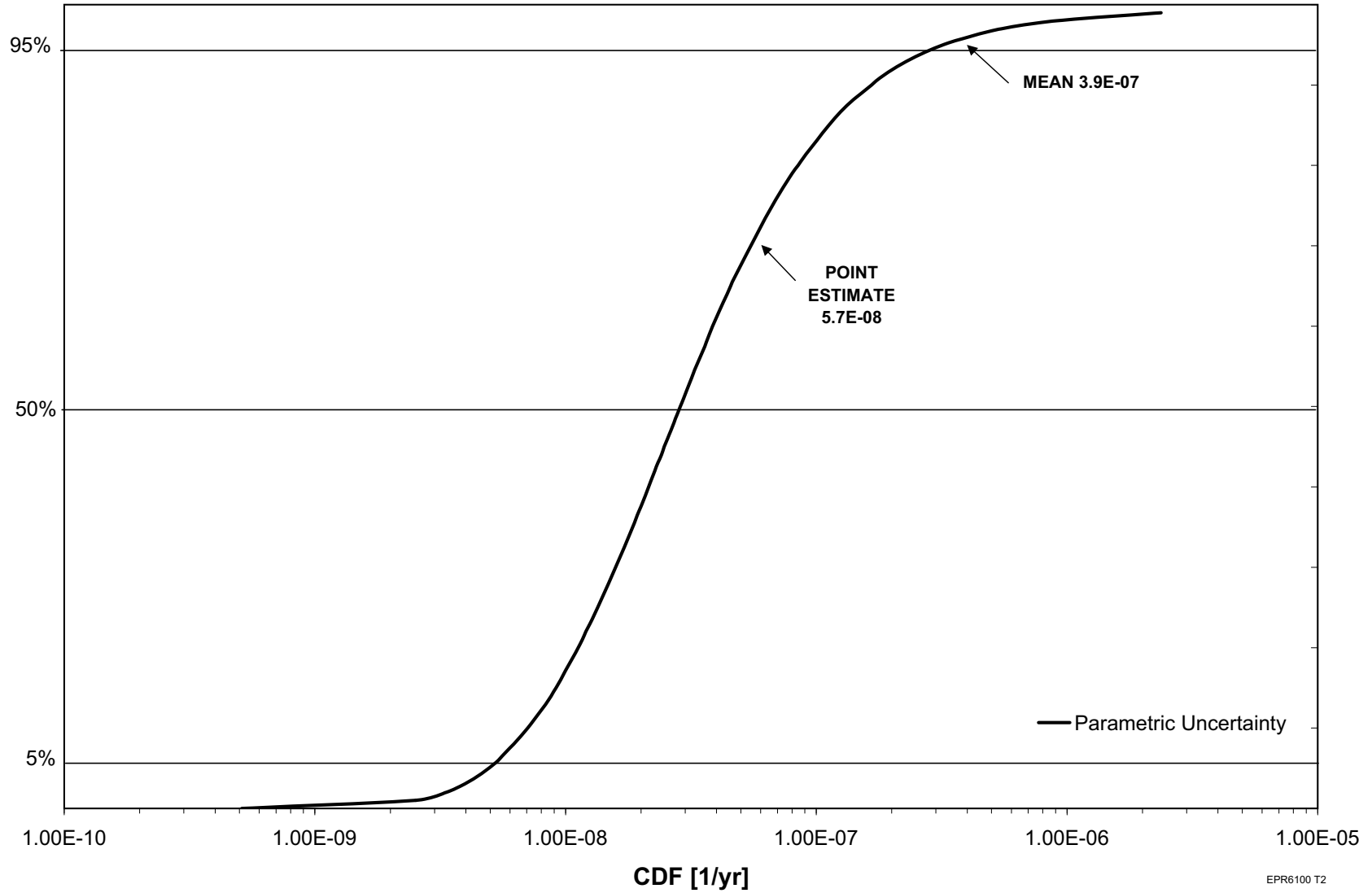
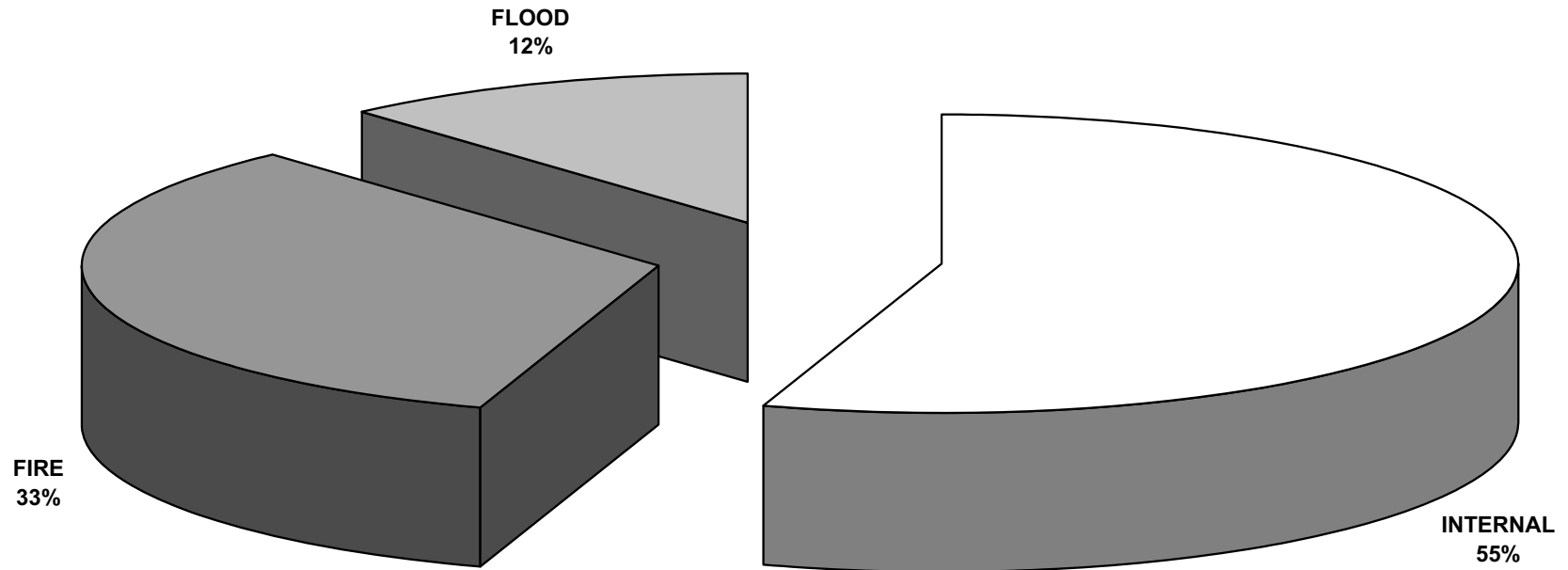


Figure 19.1-24—Figure 19.1-24—U.S. EPR Level 1 Initiating Event Contributions to Total CDF at Power

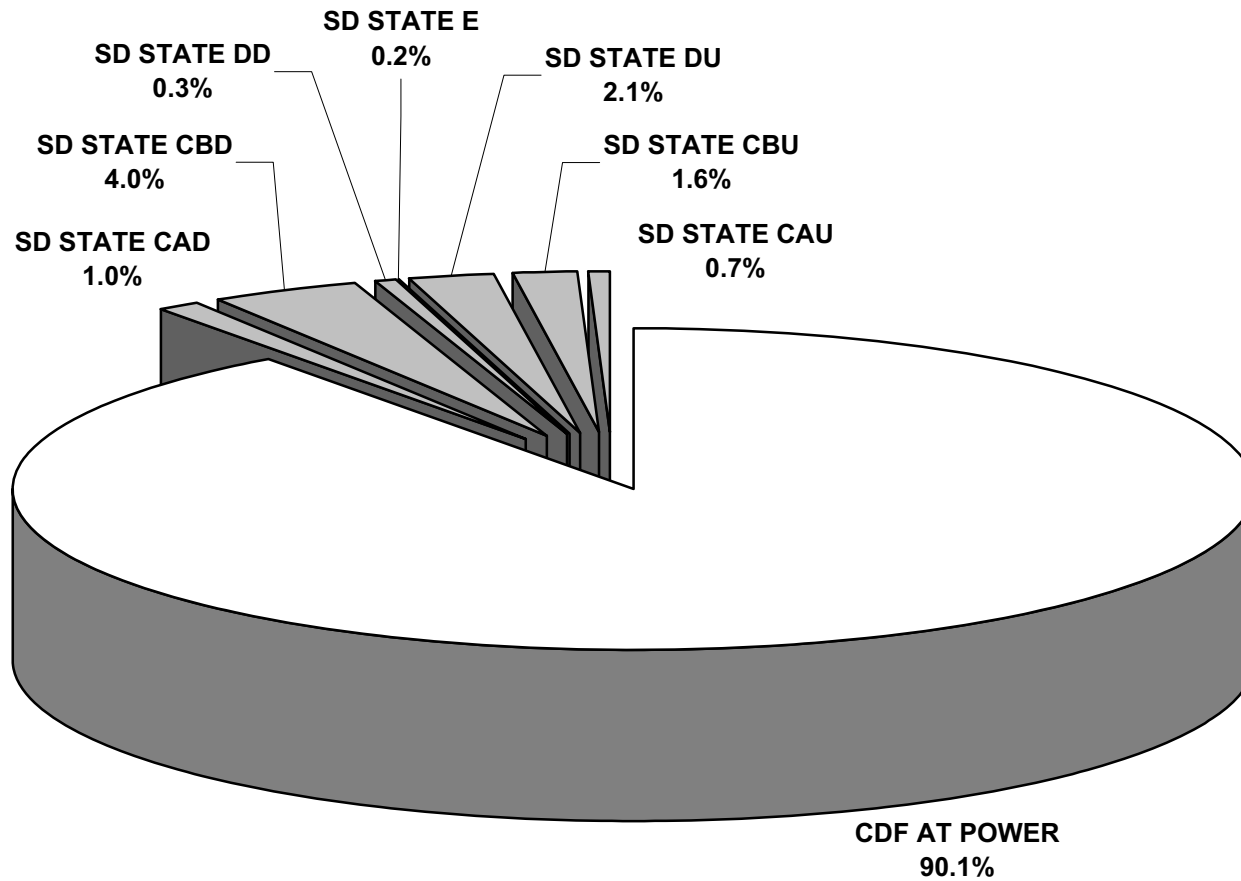


AT POWER TOTAL CDF = 5.3 E-07 / yr

EPR6105 T2



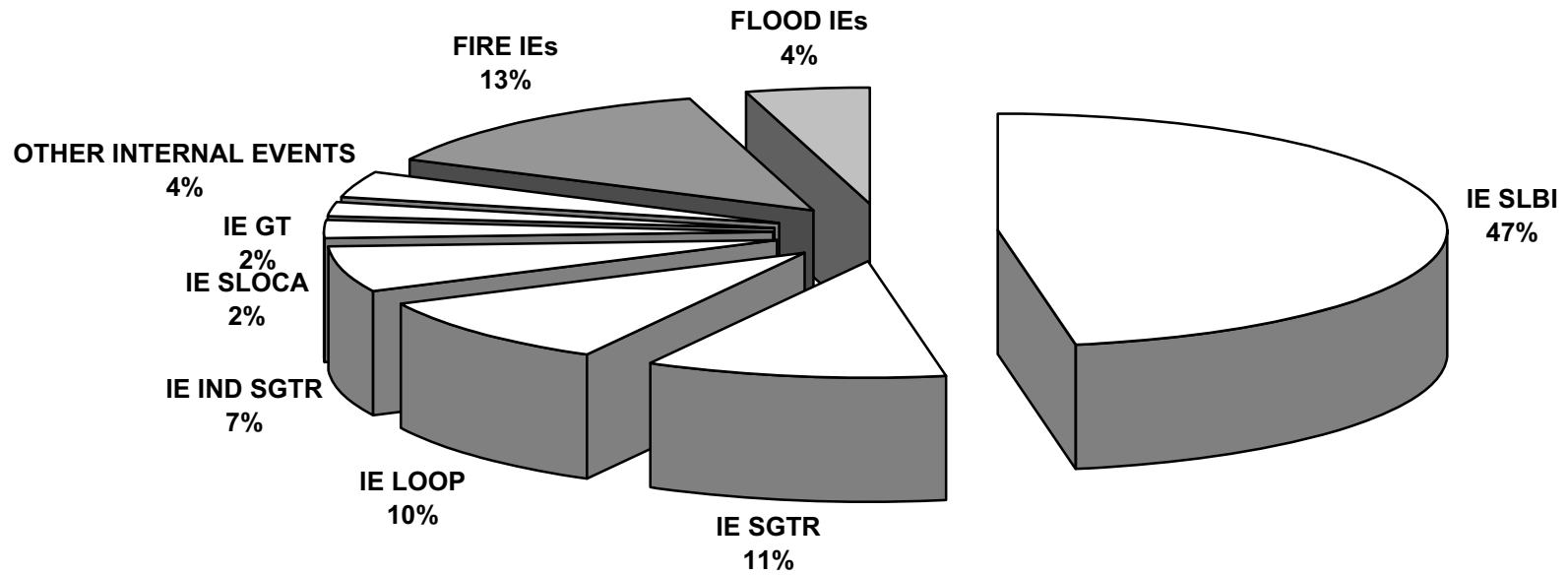
Figure 19.1-25—U.S. EPR POS Contributions to Total CDF



Total CDF = 5.8 E-07/yr

EPR6110 T2

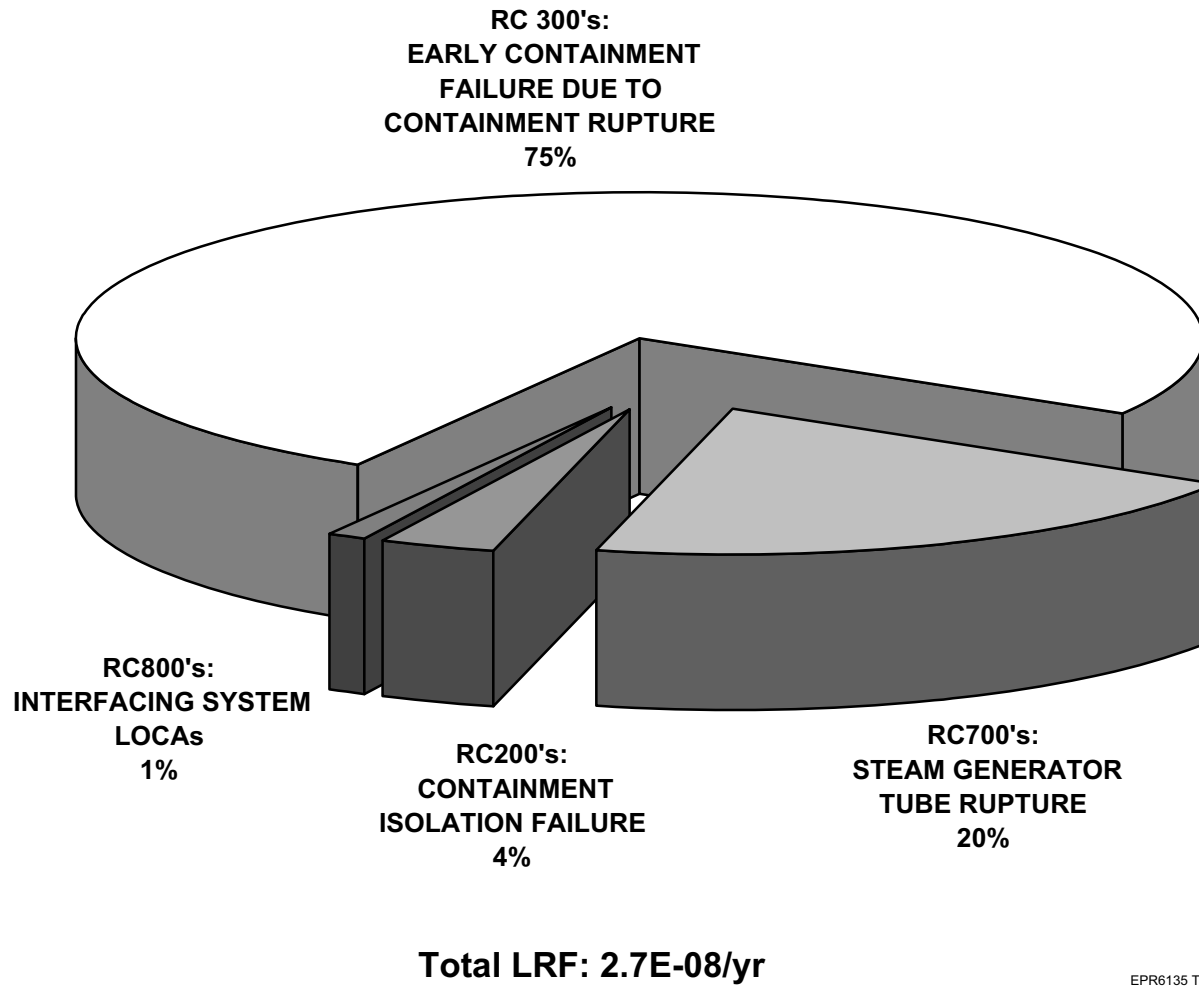
Figure 19.1-26—U.S. EPR Level 2 Initiating Event Contribution to Total LRF



Total LRF: 2.7E-08/yr

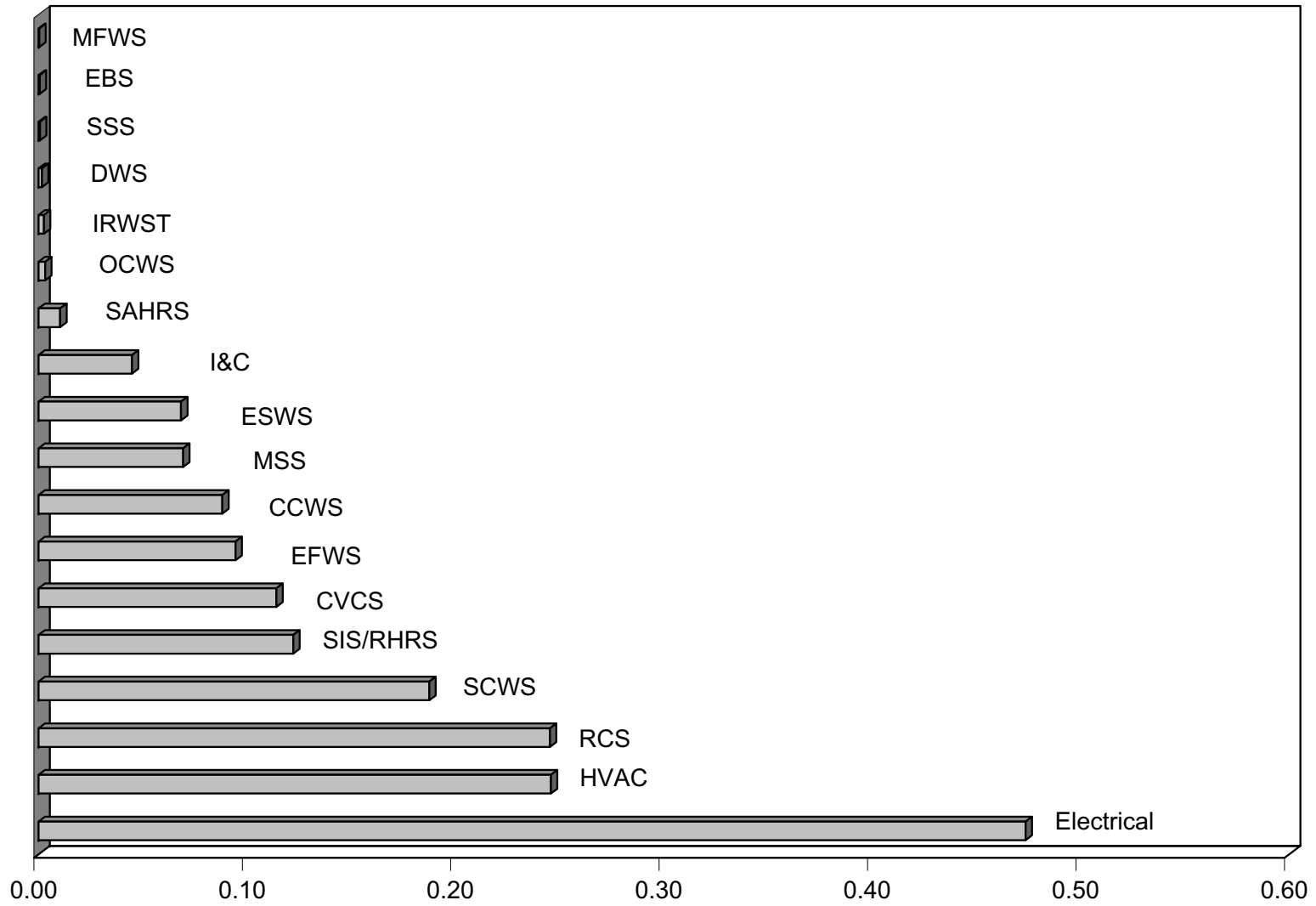
EPR6130 T2

Figure 19.1-27—U.S. EPR Level 2 Release Category Contribution to Total LRF



EPR6135 T2

Figure 19.1-28—U.S. EPR System Ranked by Importance (FV) – Level 1 Total



EPR6115 T2

Figure 19.1-29— U.S. EPR Level 1 Internal Events Total Uncertainty Analysis Results – Cumulative Distribution for All Internal, Fire and Flood Events CDF

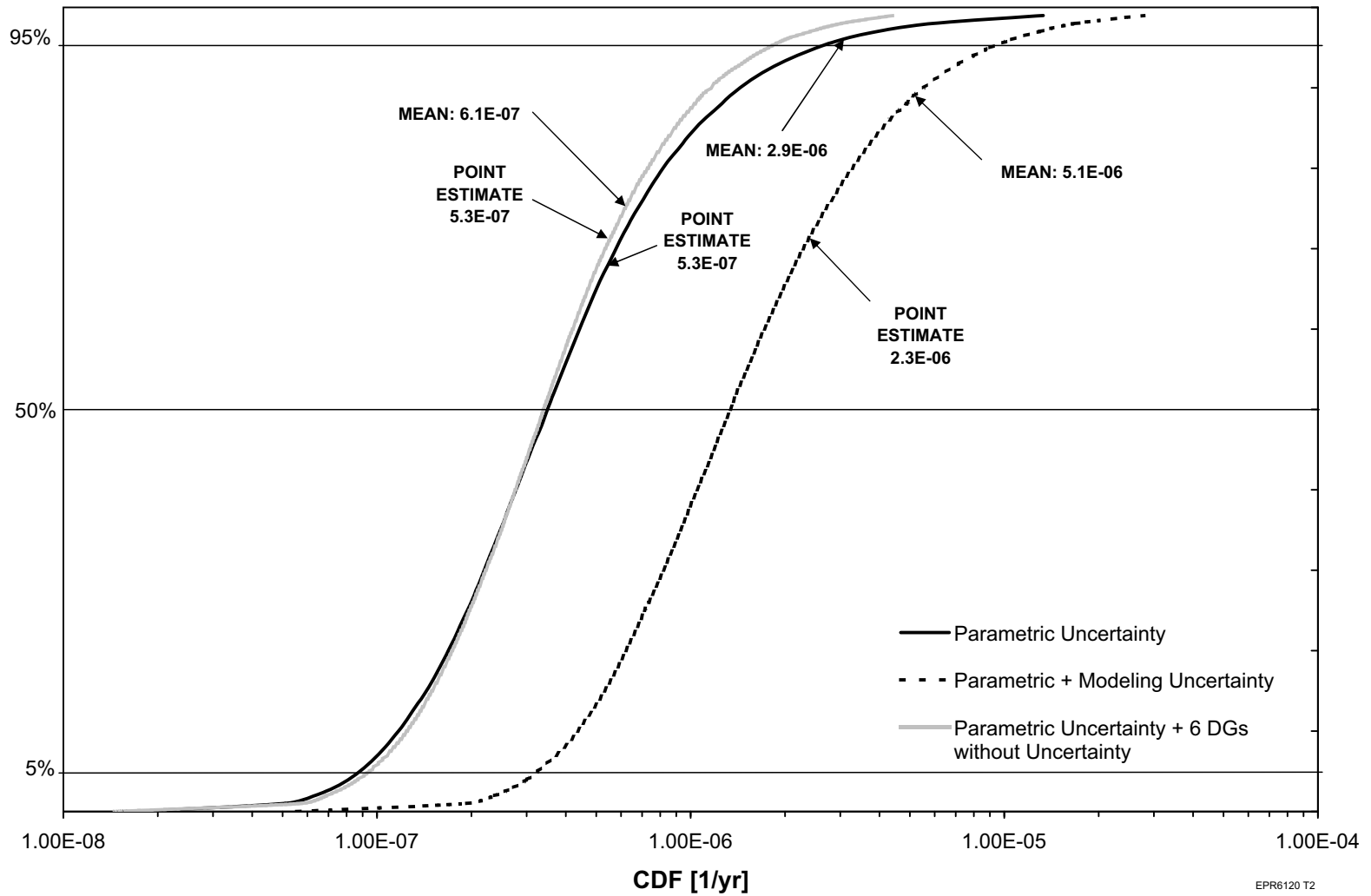


Figure 19.1-30—U.S. EPR Level 2 Internal Events Total Uncertainty Analysis Results – Cumulative Distribution for All Internal, Fire and Flood Events LRF

