HUMAN-ERROR DRIVEN SEQUENCE REDUCTIONS

- Modified draft report to reflect the NEI commitments
- Reduced the absolute value of the dependencies among human error probabilities (HEPs) due to the NEI commitments
- Lowered frequency of loss of inventory events due to NEI commitments
- Improved the estimate of the severe weather recovery conditional probability based on reinterpretation of the data on loss of offsite power recovery

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HEAVY LOAD SEQUENCE REDUCTIONS

- Worked with statisticians to improve the statistical analysis of the data, and ended up using a log-normal mean rather than an arithmetic mean
- Found and used U.S. Navy data from the 1990s
- Used the human error data from the Waste Isolation Pilot Plant (WIPP) for calculating the rigging failure frequency

COMPARISON OF RISK RESULTS
JUNE 1999 VS. FEBRUARY 2000

	1999	2000
LOSP - PLANT/GRID CENTERED	1.3×10^{-6}	3.0×10^{-8}
LOSP - WEATHER	1.4×10^{-6}	1.3×10^{-7}
FIRE	8.6×10^{-7}	4.5×10^{-8}
LOSS OF POOL COOLING	1.5×10^{-7}	1.4×10^{-8}
LOSS OF INVENTORY	2.9×10^{-6}	3.1×10^{-9}
SEISMIC	2.0×10^{-6}	$< 3.0 \times 10^{-6}$
HEAVY LOADS	2.5×10^{-6}	2.0×10^{-7}

COMPARISON OF RISK RESULTS
JUNE 1999 VS. FEBRUARY 2000
(Cont.)

	1999	2000
AIRCRAFT	4.0×10^{-8}	2.9×10^{-9}
TORNADOES	5.6×10^{-7}	$< 1.0 \times 10^{-9}$
TOTAL	1.2×10^{-5}	$< 3.4 \times 10^{-6}$