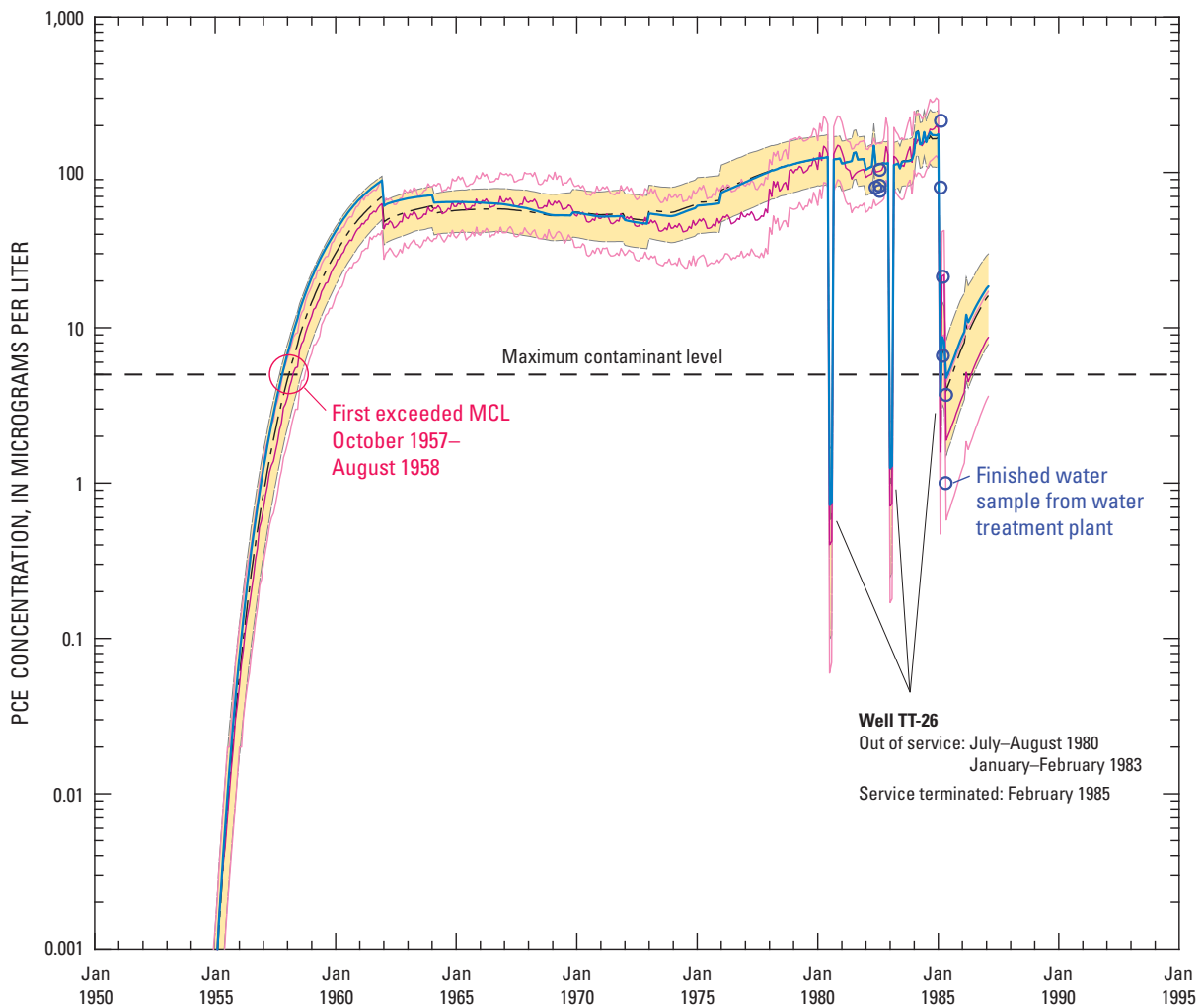


Figure I29


Concentrations of tetrachloroethylene (PCE) in finished water at the water treatment plant derived from scenario 1 (pumping uncertainty excluded) and scenario 2 (pumping uncertainty included) probabilistic analyses using Monte Carlo simulation, Tarawa Terrace, U.S. Marine Corps Base Camp Lejeune, North Carolina.

Reference: Maslia ML, Suárez-Soto RJ, Wang J, Aral MM, RE Faye, Sautner JB, and Valenzuela C. Analyses of Groundwater Flow, Contaminant Fate and Transport, and Distribution of Drinking Water at Tarawa Terrace and Vicinity, U.S. Marine Corps Base Camp Lejeune, North Carolina: Historical Reconstruction and Present-Day Conditions—Chapter I: Parameter sensitivity, uncertainty, and variability associated with model simulations of groundwater flow, contaminant fate and transport, and distribution of drinking water. Atlanta, GA: Agency for Toxic Substances and Disease Registry; 2008.

Disclaimer: The water-modeling analysis results presented herein are provided as a service to the public for informational purposes. All data, analyses, and computer-simulation results have been reviewed for accuracy and completeness based on available information and current modeling assumptions. The results however, may not reflect the actual exposure of specific individuals to contaminants in the water system. In addition, more updated information, if and when obtained, may change interpretations presented herein. For details pertaining to assumptions and limitations, the public should refer to the aforementioned reference listed above.



EXPLANATION

 **Calibrated concentration using MT3DMS model in a deterministic analysis (single-value output). First exceeded MCL November 1957. See Chapter A (Figure A18, Maslia et al. 2007) and Chapter F (Faye 2008)**

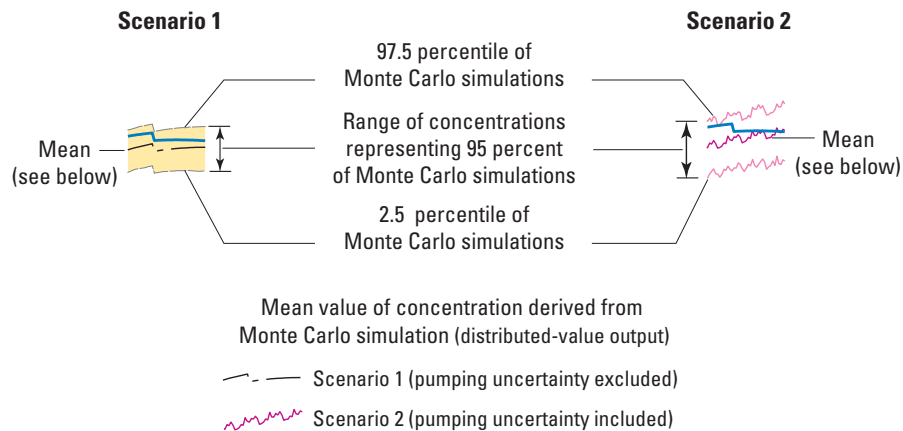


Figure I29. Concentrations of tetrachloroethylene in finished water at the water treatment plant derived from scenario 1 (pumping uncertainty excluded) and scenario 2 (pumping uncertainty included) probabilistic analyses using Monte Carlo simulation, Tarawa Terrace, U.S. Marine Corps Base Camp Lejeune, North Carolina. [See Appendix I5 for tabular listing; PCE, tetrachloroethylene; MCL, maximum contaminant level]