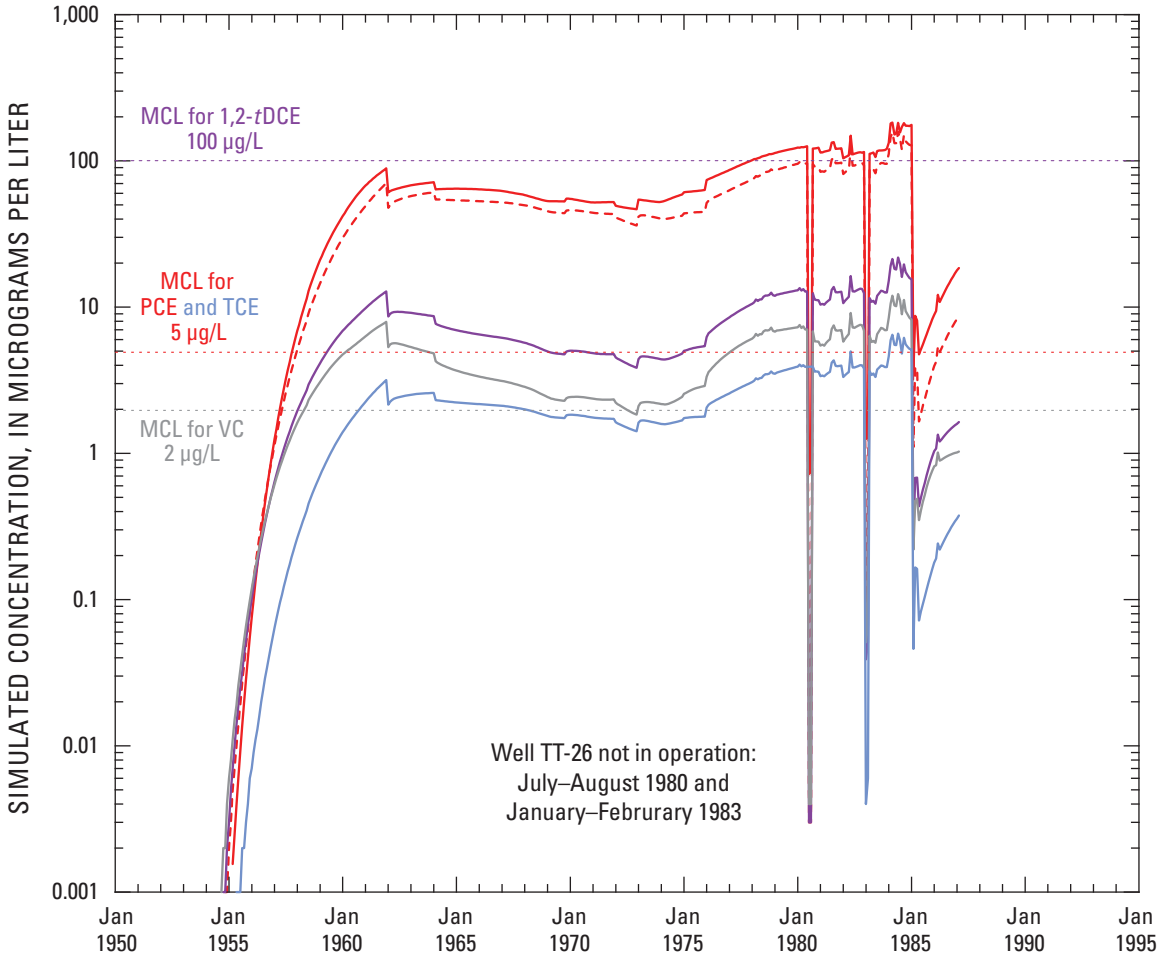
Simulated concentration of tetrachloroethylene (PCE) and degradation by-products, trichloroethylene (TCE), *trans*-1,2-dichloroethylene (1,2-*t*DCE), and vinyl chloride (VC), in finished water at Tarawa Terrace Water Treatment Plant, U.S. Marine Corps Base Camp Lejeune, North Carolina



Contaminant	Model
PCE	MT3DMS
PCE	TechFlowMP
1,2-*t*DCE	TechFlowMP
VC	TechFlowMP
TCE	TechFlowMP

MCL = maximum contaminant level

Notes:
1. Simulation of PCE from MT3DMS model described in Chapter F (Faye, in press 2007)
2. Simulation of PCE and degradation by-products TCE, 1,2-*t*DCE, and VC from TechFlowMP model described in Chapter G (Jang and Aral, in press 2007)

Notes:

Based on data, information, and simulation, the Tarawa Terrace water treatment plant began operations during January 1952 and was closed during March 1987.
Effective dates for MCLs are as follows: VC and TCE, January 9, 1989; PCE and 1,2-tDCE, July 6, 1992 (40 CFR, Section 141.60, Effective Dates, July 1, 2002, ed.).

Reference:

Maslia ML, Sautner JB, Faye RE, Suárez-Soto RJ, Aral MM, Grayman WM, Jang W, Wang J, Bove FJ, Ruckart PZ, Valenzuela C, Green JW Jr, Krueger AL. 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—Excecutive Summary. Atlanta, GA: Agency for Toxic Substances and Disease Registry; 2007.