

Chapter 7 Changes February 2024

Location	Text	Change
Throughout document	Double space after period	Single space after period
Throughout document	Inconsistent fonts	Changed body text to 11 pt Times New Roman
Throughout document		Changed date of document to 2/2024
Throughout document	Notes on equations	Reformatted notes to differentiate from body text and added equation number to help differentiate within long notes.
Throughout document	Greek letters	Replaced images of Greek letters with Word symbols
Throughout document	Equations	Replaced images of equations that were difficult to read
Throughout document	Equations	Replaced Word equations with images and added Alt Text
Throughout document	Equations	Renumbered equations to account for new Equation 1-16 and new Equation 1-17
Throughout document	Equations	Added parameter definitions below equations where missing
Throughout document	Equation 4-1 and afterward	Removed italicized equation parameters to be consistent with earlier equations
7.1-14	While this software does not address all of the scenarios described in this chapter, is known to have errors, and is no longer supported, it is still made available for historical purposes. ”	While this software does not address all of the scenarios described in this chapter, known errors have been corrected and a new version, TANKS 5.0, is now available.
7.1-15	Users of these programs are advised to understand the extent of agreement with AP-42 Chapter 7 calculation methodology and assume responsibility of the accuracy of the output as they have not been reviewed or approved by the EPA.	Users of these programs are advised to understand the extent of agreement with AP-42 Chapter 7 calculation methodology and assume responsibility for the accuracy of the output as they have not been reviewed or approved by the EPA.
7.1-21		Added Equation 1-16 for rectangular tanks and added Equation 1-17 for square tanks
7.1-29	Equation 1-39	Added notes related to rectangular tanks and square tanks
7.1-29	Equation 1-40	Added notes related to rectangular tanks and square tanks
7.1-49	Equation 3-21	Removed W_L because it is not used in the equation.

Table 7.1-1		Added definition of P_v (vapor pressure at average ambient temperature, psia)
Table 7.1-1		Moved variables beginning with ΔT_A from the first column to the second column to balance the table length
Table 7.1-3	Physical Properties Of Selected Petrochemicals	Physical Properties Of Selected Organic Chemicals
Table 7.1-3		Added information for Dibromoethane (1,2)
Table 7.1-3		Added information for Tetraethyllead
Table 7.1-3		Reorganized table so that the alternative name of the chemical is on the same row
Table 7.1-4	+ clingage	+ (0.01 in / 12 in./ft)
Table 7.1-4	h_{le} is evaluated per the applicable case above	$h_{le} = h_l$
Table 7.1-14	External Floating Roof Tanks: Typical Number Of Roof Legs, N_l^a	External Floating Roof Tanks: Typical Number Of Deck Legs, N_l^a