6.02

Subject: Wood preservatives for use in conjunction with potable water supplies

Purpose: Protection of public health requires attention to all chemicals which may come in contact with drinking water.

GUIDELINE

EPA research has indicated that the best chemical preservatives for use in conjunction with potable water are CCA and ACA. CCA stands for chromated copper arsenate. ACA stands for ammoniacal copper arsenite. The chromated copper arsenate comes in types A, B, and C. The types designate the percent of different compounds present in the CCA. Type A consists of 59.4 to 69.3 hexavalent chromium, 16 to 20.9% copper, and 14.7 to 19.7% arsenic as As_2O_5. Trade names for this compound include Greensalt and Langwood. Type B consists of 33 to 38% hexavalent chromium, 18 to 22% copper, and 42 to 48% arsenic as As_2O_5. Trade names are Boliden, Koppers CCA-B, and Osmose K-33. Type C consists of 44 to 50% hexavalent chromium, 17 to 21% copper, and 30 to 38% arsenic as As_2O_5. Trade names for this compound are Chrom-Ar-Cu, Wolman CA, and Wolmonac.

ACA consists of a minimum of 47.7% copper, and a minimum of 47.6% arsenic as As_2O_5. A trade name for this compound is Chemonoite.

Approved by: David W Lantz Date: 9-12-84