

Table B – ASBESTOS AIR CONCENTRATIONS AND RISKS

Excess Cancer Risks, Lifetime Exposure (70 years)²⁷	Air Level - fibers per milliliter, PCM equivalent f/mL (PCM)	Air standards, levels actually found, detection limits, etc.
		YOU MUST CONVERT STRUCTURES PER MILLILITER TO "PCM-EQUIVALENT" FIBERS PER MILLILITER BEFORE USING THIS CHART. Unless you have actual data, divide s/mL by around 2 to 4 to convert to "f/mL PCM"
1 per 100	0.04	EPA's Integrated Risk Information System (IRIS) cancer risk level
	0.0095 - 0.019	AHERA level of 70 structures per square millimeter, converted to PCM-equivalent fibers per milliliter. Over 2 cancers per 1000.
1 per 1,000	0.004	EPA's Integrated Risk Information System (IRIS) cancer risk level
	0.0011 - 0.0043	Region 2's detection limits, converted to PCM equivalents (25 to 50% of fibers estimated to be PCM equivalent). THE LOWEST LEVEL THEY COULD FIND. Up to 2 cancers per 1000.
	0.0024	Libby Superfund site, average inside homes resulting in Superfund designation. Approaching 1 cancer per 1000.
1 per 10,000	0.0004	EPA's Integrated Risk Information System (IRIS) cancer risk level²⁸
1 per 100,000	0.00004	EPA's Integrated Risk Information System (IRIS) cancer risk level
1 per 1,000,000	0.000004	EPA's Integrated Risk Information System (IRIS) cancer risk level.
	0.000003	inside air, Agency for Toxic Substances and Disease Registry, peer reviewed overall value. Less than 1 cancer per 1 million.
	0.000002	outside air, Agency for Toxic Substances and Disease Registry, peer reviewed overall value. Less than 1 cancer per 1 million.
0 cancers	0	AHERA safe level standard, 40 CFR §763, Appendix C - Asbestos Model Accreditation Plan
	0	Asbestos School Hazard Detection and Control Act safe level