

TABLE XIV

ASBESTOS CONCENTRATION BY OPERATION*, 1969

Work practice	Environmental conditions	Average asbestos fiber level: Personal Samples Fibers/ml	Area Samples Fibers/ml	Area Samples Distanc from Sour
#1 Asbestos cement	High ceiling room. Louvre venting	2.4		.45
#2 Asbestos cement	Low ceiling room. Poor ventilation	2.6	-	-
#3 Asbestos cement	Access tunnel	6.1	-	-
#4 Asbestos cement	Power house. Low Ceiling, poor ventilation	3.9		2.5 3-5'
Cutting calcium silicate, block, pipe #1	Table and hand saws, in power house - open	1.2	-	-
Cutting calcium silicate, block & pipe #2	Same - in industrial building. Good ventilation.	4.1	-	-
Cutting calcium silicate block & pipe	Apartment house boiler room. No ventilation. Work 3"-18" from breathing zone.	11.5	-	-
Cutting calcium silicate block & pipe #4	Limited ventilation	9.4	1.6	3-4'
Spraying insulation	Turbines in power plant - very high ceiling, good ventilation.	47.7	19.5	3'
			28.0	6'

Fibers/ml $>5\mu$ in length

Notes:

1. Conditions usually variable: Cement mixed dry - applied wet; rapid changes in local ventilation; composition of material may vary; number of men on job may vary.
2. Average of counts (excluding spray insulation): ≥ 5 fibers/ml = 64.5%; 5-12 fibers/ml = 25.5%; >12 fibers/ml = 10.0%.
3. Information prepared by Reitze, Nicholson, and Holaday.(5)