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Shortly after enactment of the regulations on July 7, 1972, Union Carbide Corporation and Montello, Inc. joined in carrying out a series of drillsite monitoring tests, in accordance with OSHA prescribed methods. Locations were selected to be representative of all drillsites. In fact, one of them was intentionally totally enclosed, in order to duplicate the worst possible conditions foreseeable. In addition, dumping rates far in excess of those typical in actual practice were maintained, (as high as 3,000 pounds per hour, or six times the upper norm). The highest peak value of any test was 1.9 fibers per CC, (less than one fifth of the regulated ceiling concentration). The highest time weighted average measured was 0.4 fibers per CC, (less than one tenth of the current TWA regulation and less than one fourth of the much lower TWA planned for July 1, 1976).

Subsequent field monitoring tests have continued to result in similar readings. A brief recap follows:

TEST LOCATION	TEST SITE	CEILING CONCENTRATION FIBERS/cc	TIME-WEIGHTED AVERAGE FIBERS/cc
Texas Panhandle	Drilling Rig	1.0 0.5	0.4 0.3
Central Oklahoma	Drilling Rig	1.9 0.4	0.4 0.3
South Louisiana	Drilling Rig	1.4 0.6	0.3 0.3
Near Houston Texas	Drilling Rig	1.8 0.4	0.4 0.3
Canadian Texas	Drilling Rig	1.8 0.7 0.3	0.4
Vicinity Oklahoma	Drilling Rig	0.1 0.1 0.2 0.5 0.6 0.5 0.2 0.0	0.2