1 turn - 1 op control light
then back ½ Turn

8-20-75 AIR SAMPLING Tube

Normally sample open face
Closed face - only if necessary. Especially important for asbestos
- cassette - for general dust only
Sample canister - do not reuse
Absorbent pad
Membrane filter - handle with tweezers
Seal filter tightly
Label cassette - B-1, B-2, etc.
(B - for Mt. Braddock)
Send a blank non-used cassette with each set of samples - Label this blank - BL
Asbestos cassette - pre-assembled

Attach cassette to person being tested
- facing down - as close to the breathing zone as possible
- watch for clothing dust

Calibration of pump (sampler)
- Set for highest flow rate possible
- Check flow rate frequently
- Read at center of ball with sampler in vertical position

Dennis

FOS-00-0000002095

2240

PLAINTIFF'S EXHIBIT
FOS-756

TLV = Threshold limit values

	OSHA	ACGIH
SILICA QUARTZ	30 MG/M³ / % SiO_2 + 2	30 MG/M³ / % SiO_2 + 3
TLV varies:		
0%	15.0 MG/M³	10.0 MG/M³
1%	10.0 "	7.5
100%	0.3 "	0.3
TRIDYMITE, CRISTOBALITE	½ OF QUARTZ	½ OF QUARTZ
NUISANCE DUST	15 MG/M³	10 MG/M³
ASBESTOS – PRESENT	5 FIB/CC – TIME WEIGHTED AVERAGE	5 FIB/ML –
	10 FIB/CC CEILING LIMIT	—
ASBESTOS – 7-1-76	2 FIB/CC	
	10 FIB/CC	

Nuisance dust — short for 10 mg/m³, as std. will probably change

Asbestos — 2 kinds of sample needed to determine time-weighted average & maximum exposure (ceiling)

Analysis of job is the most critical — not a typical sample

FOS-00-0000002096

All limits are established on 8-hr work day.

Asbestos sample — can load filter so heavily that fibers can't be counted. Test for max of 4 hrs if asbestos concentration is heavy.

General room sample — especially important to determine % dust at certain distance from points of known asbestos or dust. Watch for drafts or fans. Make notes on sample sheet.

Silica & nuisance dusts are determined by gravimetric analysis. Contamination of filter is very critical.

UM filters are designed for low moisture pickup, & humidity doesn't significant affect sample.

Need blank sample only on silica samples. Same blank OK for several days.

2242

~~Samples for~~

Sample cassettes must be sent to Bozic

FOS-00-0000002097

for weighing prior to testing - dust samples only. Not for asbestos samples. Number cassettes & send sample sheets to Boyle with them.