

Why we do what we do

Professionals preoccupied with the language of technology and regulations.

What should be one of the central themes in our activities: the prevention of human suffering.

We must understand, at a purely human level, the true value of that for which we work and fight, and the cost of failure. (thanks Steve Levine)

Who is this guy ?

- Infectious disease specialist for MIOSHA
- Certified Industrial Hygienist
- Dad two daughters



Monitoring

- Sampling Strategy and Protocol (Section II chapter 1, OSHA Technical Manual)
- As part of the walkthrough the IH will identify :
- Processes/operations being run
- Tasks performed
- Materials used/materials employees are exposed to
- Work practices used
- Exposure controls in place and how effective they appear to be

Sampling



Sampling for respirable silica

- Collect respirable dust samples using a clean 10 mm nylon Dorr-Oliver[®] cyclone and a pre-weighed PVC filter at a flow rate of 1.7 L/min for a maximum sampling time of 480 minutes.
- Blasting samples are collected outside of the hood.
- You can use other size selective samplers if they have the same cut rates and collection efficiencies.
- Respirable dust is

Size selective sampling

Aerodynamic diameter, μm (unit density sphere)	Percent passing size selector
2.0	90
2.5	75
3.5	50
5.0	25
10	0
Although the criteria in Table 1 were written to meet the Dorr-Oliver performance specifications, any technology that meets this size selective sampling criteria can be used.	