

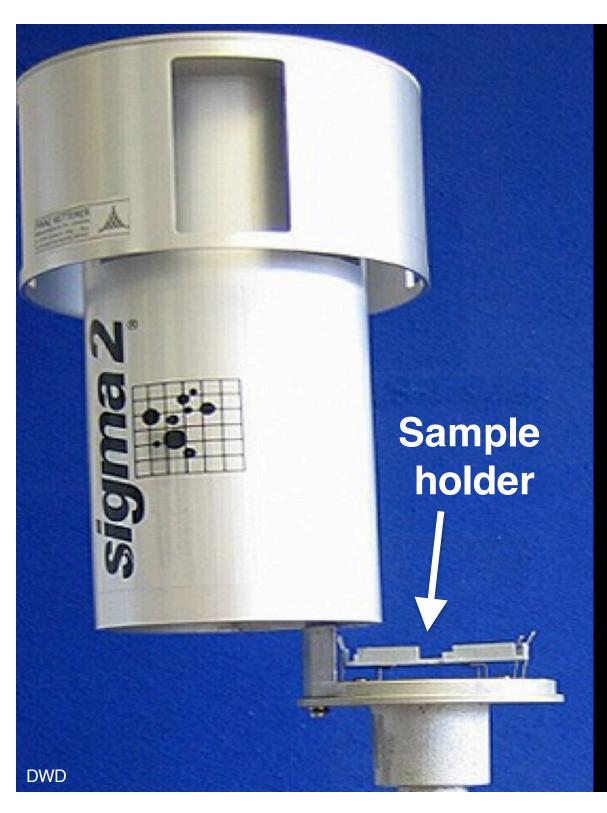
Asbestos in Ambler Air?

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Sigma-2 Passive Sampler

German sampler, accredited by DIN for ambient air monitoring (does not require power)



Typical exposure time: 1 week

Sampler shown in "open" position, i.e. when sample holder is exchanged

Sample holder

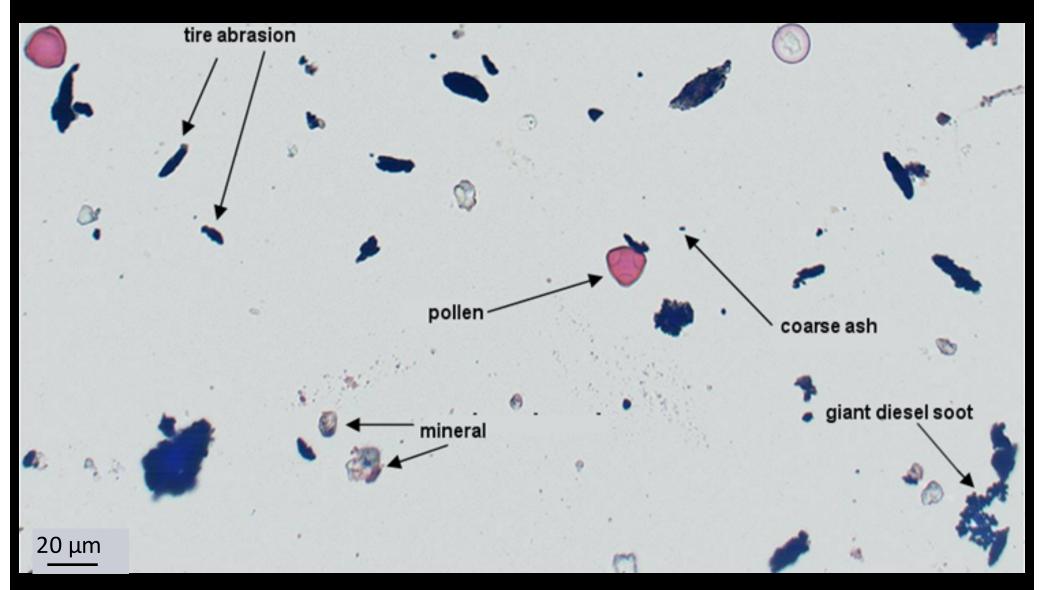
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Samples studied by optical microscopy



Typical sample from a village



→ particles can be distinguished based on their optical properties

Various soil minerals

10.00

200 µn

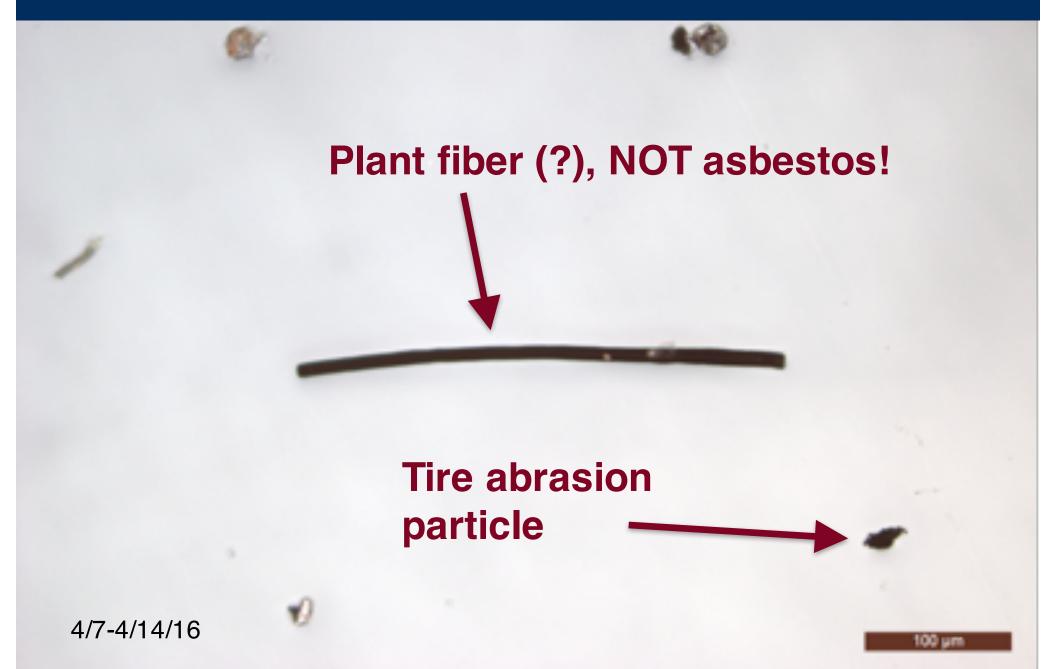
3/31-4/7/16

Soil minerals and plant fiber (?)

Probably a plant fiber, NOT asbestos!







Various soil minerals and organic fibers



Next picture

Various soil minerals and organic fibers

4/7-4/14/16

Probably a Feldspar crystal

Probably a Quartz crystal

4/7-4/14/16



Preliminary results (5 weeks of sampling)

- no asbestos detected
- lots of soil minerals
- tire abrasion particles
- plant fibers
- dog hair (?)