

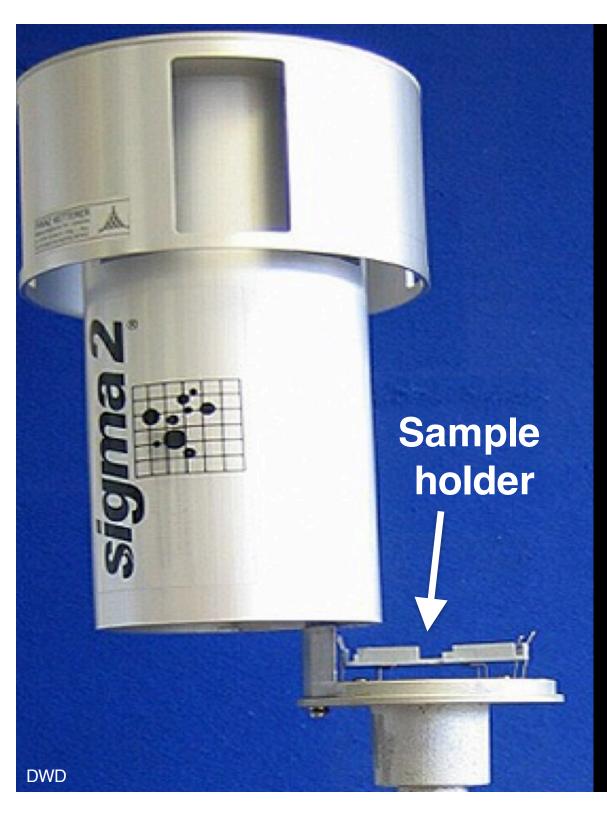
## Asbestos in Ambler Air?

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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

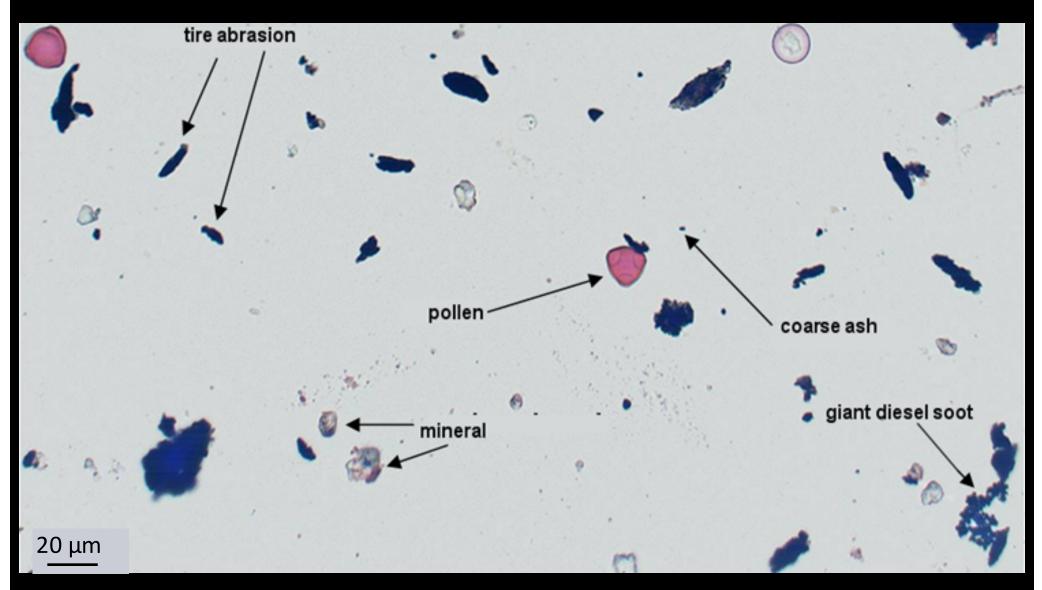
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## Samples studied by optical microscopy



#### Typical sample from a village



#### → particles can be distinguished based on their optical properties

#### **Various soil minerals**

10.00

200 µn

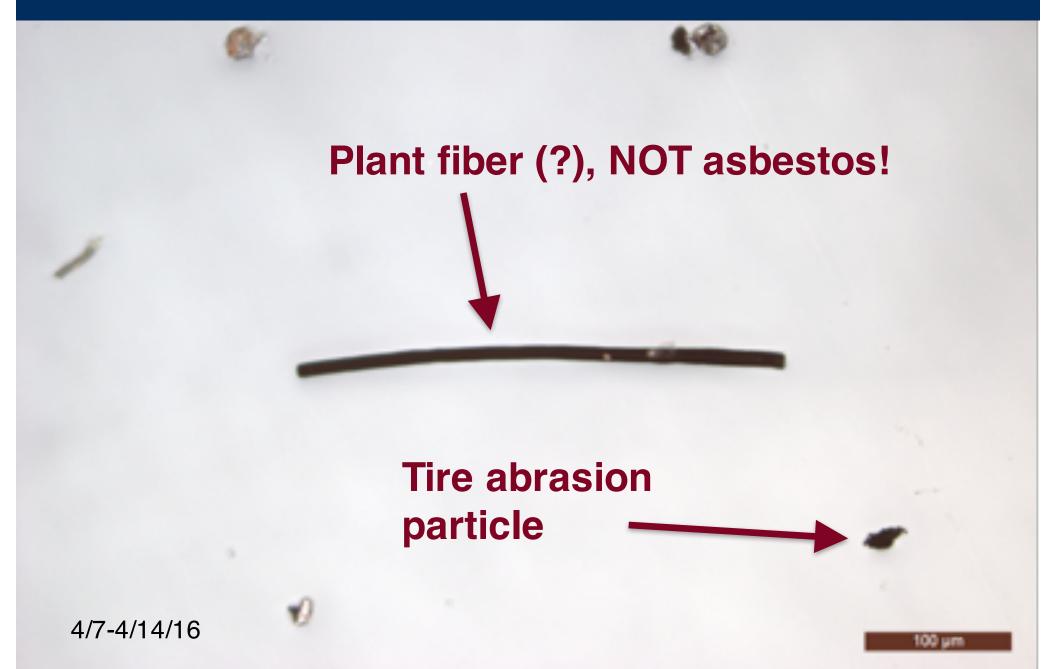
3/31-4/7/16

# 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 (?)