

Radhakrishnan, Krish

From: Gilsenan, Michael
Sent: Monday, April 01, 2002 12:39 PM
To: Radhakrishnan, Krish; Theodorellys, Penny
Cc: Avaltroni, Robert; Chapin, Diana 001; Subasic, Rosemarie
Subject: FW: Strawman benchmarks for a couple of probable indoor COCs

-----Original Message-----

From: Rodenbeck, Sven [mailto:svr1@cdc.gov]
Sent: Monday, March 25, 2002 12:54 PM
To: 'Maddaloni.Mark@epamail.epa.gov'; grevatt.peter@epamail.epa.gov;
smith.terry@epamail.epa.gov; Rodenbeck, Sven; rlc07@health.state.ny.us;
kcarlino@health.nyc.gov; DeVoney, Danielle;
laposta.dore@epamail.epa.gov; david.ippolito@osha.gov;
dan.crane@osha.gov; njeffery@health.nyc.gov
Subject: RE: Strawman benchmarks for a couple of probable indoor COCs

Hello Everyone!!

Attached below is the Asbestos Action Levels developed by the DHHS, EPA, OSHA Environmental Assessment Working Group. This Action Levels were approved by all agencies that participate on the Working Group. Therefore, I would propose that we use them for asbestos in air.

Sven

-----Original Message-----

From: Maddaloni.Mark@epamail.epa.gov
[mailto:Maddaloni.Mark@epamail.epa.gov]
Sent: Monday, March 25, 2002 11:29 AM
To: grevatt.peter@epamail.epa.gov; smith.terry@epamail.epa.gov;
svr1@cdc.gov; rlc07@health.state.ny.us; kcarlino@health.nyc.gov;
dld7@cdc.gov; laposta.dore@epamail.epa.gov; david.ippolito@osha.gov;
dan.crane@osha.gov; njeffery@health.nyc.gov
Subject: Strawman benchmarks for a couple of probable indoor COCs

I was hoping to have a more formalized package to distribute this morning, but this somewhat crude approach will have to suffice. Listed below is the paradigm and I've taken a shot a filling in asbestos and lead for both settled dust and indoor air. Enjoy.

Tier	Screening Value	Action
I	> E-04 (1 yr) or HQ = 10	aggressive cleaning (professional?) - if readings persist take additional action to reduce exposure
II	background or E-04 (30 yr)/HQ =1 to E-04 (1 yr)/HQ = 10	maintain recommended (i.e., diligent wet/HEPA) cleaning methods - consider additional monitoring

III	< background or E-04 (30 yr)/HQ = 1	no further action
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Asbestos (settled dust)

Tier	Screening Value	Action
I	> 10,000 fibers/cm ² (TEM AHERA counting rules)	aggressive cleaning (professional?) - if readings persist take additional action to reduce exposure
II	1,000 (or background) - 10,000 f/cm ²	maintain recommended (i.e., diligent wet/HEPA) cleaning methods - consider additional monitoring
III	< background or 1,000 f/cm ² (whichever is greater)	no further action

Asbestos (indoor air)

Tier	Screening Value	Action
I	> .028 f/cc (E-04 x 1 yr) PCM/PCME measurement	aggressive cleaning (professional?) - if readings persist take additional action to reduce exposure
II	.0004 (or background) - .028 f/cc	maintain recommended (i.e., diligent wet/HEPA) cleaning methods - consider additional monitoring
III	< background or .0004 f/cc (whichever is greater)	no further action

Lead (settled dust)

Tier	Screening Value	Action
I	> 40 ug/ft ² or 1,200 ppm	aggressive cleaning (professional?) - if readings persist take additional action to reduce exposure
II	400 - 1,200 ppm	maintain recommended (i.e., diligent wet/HEPA) cleaning methods - consider additional monitoring
III	< 40 ug/ft or 400 ppm	no further action

Lead (indoor air)

Tier	Screening Value	Action
I	> 1.5 ug/m ³ (NAAQS)	aggressive cleaning (professional?) - if readings persist take additional action to reduce exposure
II	background - 1.5 ug/m ³	maintain recommended (i.e., diligent wet/HEPA) cleaning methods - consider additional monitoring
III	< background	no further action



Final WTC Asbestos
Action Level...