

ATSDR resources related to Libby, Montana, and the vermiculite sites

ATSDR website

For current information about ATSDR's projects related to Libby, Montana and the vermiculite sites, visit the agency website at www.atsdr.cdc.gov or www.atsdr.cdc.gov/asbestos.

ATSDR projects and publications

● Libby, Montana ● Vermiculite sites ● Libby-related asbestos projects

- \$8 million Libby amphibole health risk initiative
A fact sheet is available at www.atsdr.cdc.gov/sites/libby_montana/index.html.
- Medical screening – Libby community
Peipins LA, Lewin M, Campolucci S, Lybarger JA, Miller A, Middleton D, et al. 2003. *Radiographic abnormalities and exposure to asbestos-contaminated vermiculite in the community of Libby, Montana, USA*. Environ Health Perspect 2003;111(14):1753-9. Available at www.ehponline.org/docs/2003/6346/abstract.html.
- Mortality study – Libby community
ATSDR (Agency for Toxic Substances and Disease Registry). 2000. *Health consultation: mortality from asbestos in Libby, Montana*. Atlanta: US Department of Health and Human Services. Available at www.atsdr.cdc.gov/HAC/pha/libby/lib_toc.html.

ATSDR (Agency for Toxic Substances and Disease Registry). 2002. *Health consultation: mortality in Libby, Montana (1979-1998)*. Atlanta: US Department of Health and Human Services. Overview available at www.atsdr.cdc.gov/asbestos/sites/libby_montana/mortality_review.html.
- Mortality study – former workers at Libby (National Institute for Occupational Safety and Health)
Sullivan PA. 2007. *Vermiculite, respiratory disease, and asbestos exposure in Libby, Montana: Update of a cohort mortality study*. Environ Health Perspect 115:579–585. Available at www.ehponline.org/members/2007/9481/9481.html.
- Tremolite Asbestos Registry (TAR)
Information about the TAR is available at the agency website (www.atsdr.cdc.gov)
The current direct link is www.atsdr.cdc.gov/tar/index.html, however this may change in the future as the website is updated.
- High resolution computed tomography (HRCT) study
The current direct link is www.atsdr.cdc.gov/Asbestos/sites/libby_montana/ct_prelim.html, however this may change in the future as the website is updated.

Muravov OI, Kaye WE., Lewin M, Berkowitz Z, Lybarger JA, Campolucci SS, Parker JE. 2005. *The usefulness of computed tomography in detecting asbestos-related pleural abnormalities in people who had indeterminate chest radiographs: the Libby, MT, experience*. Int. J. Hyg. Environ. Health. 2005;208:87-99. Available at www.sciencedirect.com/science/journal/14384639.

- Exposure evaluations at 28 vermiculite sites in 21 states
Site-specific reports are available at www.atsdr.cdc.gov/asbestos/sites/national_map/. The Summary Report for this project will be available on the agency website (www.atsdr.cdc.gov).
- Health statistics reviews for communities around nearly 100 vermiculite sites in 25 states
Horton, K, Bove F, Kapil V. 2008. *Select mortality and cancer incidence among residents in various U.S. communities that received asbestos-contaminated vermiculite ore from Libby, Montana*. *Inhalation Toxicology*. 20:767–775. Abstract available at www.ncbi.nlm.nih.gov/pubmed/18569099.

Some health statistics reviews also are available in site-specific documents available at www.atsdr.cdc.gov/asbestos/sites/national_map/.
- Disease progression study at the Marysville, OH vermiculite site
Rohs AM, Lockey JE, Dunning KK, Shukla R, Fan H, Hilbert T, Borton E, Wiot J, Meyer C, Shipley RT, Lemasters GK, Kapil V. 2008. *Low Level Fiber Induced Radiographic Changes Caused by Libby Vermiculite: A 25 Year Follow-up Study*. *Am J Respir Crit Care Med*. 177:630-637. Abstract available at <http://ajrccm.atsjournals.org/cgi/content/abstract/177/6/630>.
- Assessment of the prevalence of asbestos-related conditions in former workers and household contacts at 6 vermiculite sites
Ongoing project – agency report forthcoming.
- Assessment of the prevalence of asbestos-related conditions in a community cohort at the Minneapolis, MN vermiculite site
Ongoing project – report forthcoming. Background information on the Minneapolis, MN site and community cohort is available at www.health.state.mn.us/divs/eh/hazardous/sites/hennepin/western/index.html.
- Pilot mesothelioma surveillance in 3 states
Ongoing project at ATSDR within the Division of Health Studies.
- Tremolite Asbestos Toxicological Profile
ATSDR’s Toxicological Profile for Asbestos (September 2001), contains a special section on tremolite asbestos in Appendix F. The full document is available at www.atsdr.cdc.gov/toxprofiles/tp61.html.
- Professional education and general education tools
ATSDR developed several online asbestos-related educational tools that incorporate information about Libby, Montana, and the vermiculite sites:
 - *Case Studies in Environmental Medicine: Asbestos Toxicity* is an online, self-study tool for health care providers. Continuing medical education credits, continuing nursing education units, and continuing education units are offered in support of this training. It is available at www.atsdr.cdc.gov/asbestos/medical_community/case_studies/.
 - ATSDR also developed online seminars describing the health effects of exposure to asbestos. A Grand Rounds seminar is available for physicians and other health care providers. A seminar for the general public also is available. The seminars can be accessed at www.atsdr.cdc.gov/csem/asbestos/cover2.html using the links at the top of the web page labeled *Grand Rounds* and *Community*.

Note: For manual entry of the Internet addresses listed, insert an underscore (“_”) where spaces appear.