



OHIO BUILDING ENVIRONMENT REPORT

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Glimmer of Hope in Banning Asbestos Federal deal in works

DAVID WHITNEY; McClatchy Newspapers

Published: June 13th, 2007 01:00 AM

WASHINGTON – A deal is near on legislation banning the use of asbestos, a fibrous mineral often used in brake linings, gaskets, cement products and even yarns and threads imported into the country despite its deadly health risks.

**“It’s shocking to me that it has taken six years,
and the deaths of several close friends”**

Sen. Patty Murray, D-Wash., a leading advocate of the ban, and Sen. Johnny Isakson, R-Ga., said Tuesday that they are within a week or two of wrapping up a compromise that also would authorize \$50 million in research to combat the health effects that have killed as many as 231,000 people since 1980 and could claim at least that many more by 2040.



The measure has a long road ahead: It must be approved by the Senate Environment and Public Works Committee, then be approved by the full Senate. Then the House of Representatives would have to take up the issue.

But for Murray, Tuesday’s committee hearing where the deal was announced was a milestone. It was the first time in the six years she has been pressing for the ban that it had reached the full committee, and the first time passage seems within reach. “It’s shocking to me that it has taken six years, and the deaths of several close friends,” Murray said afterward.

The panel’s chairwoman, Sen. Barbara Boxer, D-Calif., joined Murray in introducing the ban bill earlier this year. Some of the research money also could go toward identifying the health risks of breathing in naturally occurring asbestos, a major concern in places like El Dorado County, Calif., where the mineral can be sent airborne by construction equipment and travel on unpaved roads. Boxer said that despite the well-established health threats of asbestos, worldwide use of it is increasing.

“World production of asbestos actually increased in 2005, from 2.36 million metric tons in 2004 to 2.4 million metric tons in 2005,” she said. And while the last U.S. mine closed in 2002, Boxer said 2,530 metric tons were imported into

(continued on page 3)

Course Description	Cleveland	Columbus	Cincinnati	Canton	Toledo
Asbestos Worker Initial – 4 Days \$499	June 25-28 Sept. 18-21	July 24-27 Nov. 27-30			
Asbestos Contractor/ Supervisor Initial – 5 Days \$599	July 16-20 August 20-24 Oct. 29-Nov. 2	June 11-15 August 6-10 October 8-12 Dec. 10-14			
Asbestos Building Inspector/ Management Planner Initial – 5 Days \$799 <i>Inspector \$410, MP \$389</i>	June 4-8 July 30-Aug. 3 October 1-5 December 3-7	July 9-13 Sept. 10-14 Nov. 5-9			
Asbestos Project Designer Initial – 3 Days \$699	May 30 – June 1	August 21-23			
Asbestos O&M (OSHA Class III) Initial-2 Days Ref-1/2 Day \$279 \$95	July 24-25 July 13 Ref. Sept. 27-28 Nov. 28-29 Nov. 9 Ref	August 30-31 August 30 Ref			
Asbestos OSHA Class II Worker: Roofing, Flooring, Siding Initial-1 Day \$155	July 24 September 27 November 28	August 30			
Asbestos Worker Refresher – 1 Day \$129	June 11 August 7 October 9 December 11	June 29 September 7 October 30			
Asbestos Contractor Supervisor Refresher 1 Day \$149	July 10 August 8 September 11 October 10 November 6 December 12	June 27 July 31 September 5 October 2 October 31 December 4	July 17 August 15 September 19 October 17 November 13 December 19	September 25 November 19	August 28 October 23
Asbestos Inspector/ Management Planner Refresher – 1 Day \$149 <i>Inspector \$85, MP \$64</i>	July 11 August 9 September 12 October 11 November 7 December 13	June 28 August 1 September 6 October 3 November 11 December 5	July 18 August 16 September 20 October 18 November 14 December 20	September 26 November 20	August 29 October 24
Asbestos Project Designer Refresher – 1 Day \$189	July 12 September 13 November 8	August 2 October 4 December 6	August 17		



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From the President



Wayne Ingram

Greetings fellow BECO members! As we enjoy our various summer diversions I would like to take a moment to look forward to the 2007 Annual BECO fall Conference on October 24th and 25th. It is shaping up to be a great conference as we finalize topics and speakers. Our membership has become increasingly aware of the growing

difficulty to maintain compliance with new and ever-evolving environmental, health and safety regulations. Some of the topics that are scheduled for the conference are:

Jerrold's Law has taken effect, what is the next step? Concerns from membership involve the immediate and long term implications of achieving and maintaining compliance. You can visit the BECO web site for a downloadable version of HB 203.

The Ohio EPA Voluntary Action Plan program updates and information. See the following for more info: <http://www.epa.state.oh.us/derr/volunt.html>.

The ever-illusive definition of "friable" asbestos at the state and local level as it pertains to demolition, renovation and disposal. Please visit the BECO web site for handouts presented at the NEO BECO luncheon.

Other topics under discussion include current electrical code changes, the methamphetamine scourge continues, legionella – a growing problem and an update on the EPA alternative method.

I am also pleased to announce the Board's decision to offer current BECO members the opportunity to display company information/tradeshaw displays at a substantial discount over previous years. This is a great opportunity to get your word out to guests and members alike. Likewise I am requesting that all members consider extending invitations to favorite vendors to display at the conference as well. Contact Dave or Kim Corey for more information.

The Board is still interested in hearing any last minute suggestions as we finalize the conference line up. Feel free to e-mail your comments to wingram@tsitraining.com or you can call me at (440) 942-1200. Enjoy the rest of your summer and I hope to see you this fall!

Wayne Ingram, President
BECO

Glimmer of Hope

(continued from page 1)

the country in 2005, along with 90,000 metric tons of products containing it. About 40 countries ban asbestos. There are alternative products already on the market in the United States to those still containing it. But asbestos still is used by some of the 16 or so plants that produce chlorine. Under the compromise Murray and Isakson are finalizing, those manufacturers would be given a waiver for up to three years to retool. "We've got it about worked out," Isakson said. The legacy of the widespread use of asbestos remains.

David Weissman, director of the respiratory disease studies division at the National Institute for Occupational Safety and Health, said deaths from mesothelioma – just one of the health problems associated with asbestos – still are increasing. This is largely the result of the long lag time between exposure and onset of the disease, he said.

Another witness, environmental consultant Barry Castleman, said consumers are unwittingly exposed to asbestos because of government policy. "Given the abject lack of Occupational Safety and Health Administration enforcement of asbestos product labeling requirements, there is a real concern that some imported asbestos products are not even labeled with the required health warnings," he said.

But it's not just asbestos in manufactured products that raise concerns. It also occurs naturally in underground seams more common in the vicinity of earthquake fault lines, making California a problematic area.

Melanie Marty, chief of the California Environmental Protection Agency's air toxicology and epidemiology branch, said 1.4 percent of the land surface in the state has asbestos in the soil. It's been impossible to determine the health impacts because of imprecise reporting.

The legislation calls for 10 regional research and treatment centers around the country, which could improve the collection of information to better differentiate between environmental and occupational exposure. Another component of the bill is a campaign to better inform the public about asbestos and the health risks.

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EPA Study Looks for Better Asbestos Removal Technology

May 15, 2007

The Environmental Protection Agency today announced the release of a draft report that evaluates an alternative demolition process for buildings containing asbestos. Scientists and engineers from EPA's National Risk Management Research Laboratory and the Dallas regional office compared the current process of demolishing a dilapidated, asbestos-containing structure with a new method called the Alternative Asbestos Control Method or AACM.

The first demonstration project was successfully completed in Fort Chaffee, Arkansas. Preliminary findings show the AACM procedures to be protective for cleanup of many asbestos-containing buildings.

Two similar buildings containing similar types and quantities of asbestos were demolished in April 2006. One demolition utilized the alternative method, and one utilized the standard National Emissions Standards for Hazardous Air Pollutants (NESHAP) method. As the buildings were demolished, environmental emissions were monitored to determine if the alternative protected the environment as well as the NESHAP method.

The current NESHAP process involves removal of some asbestos materials prior to demolition of a structure. This process can be time-consuming and expensive. After demolition, the removed asbestos and the demolished structure are both disposed of in approved landfills.



Environmental Protection Agency in Washington, DC

Similarly, the alternative method removes some friable (capable of becoming airborne) asbestos materials, but some asbestos-containing materials are allowed to remain. The structure is then wetted with amended water to control asbestos fiber release prior to and during demolition. Demolition debris and several inches of affected soil from the AACM process are disposed of as asbestos-containing debris at an approved landfill.

Data from the evaluation

demonstrated lower than expected levels of asbestos and reduced potential for worker exposure. The cost and time savings for the first study were also found to be significant.

A select panel of experts has released the draft report for public comment and for peer review. The public is invited to review the draft report at <http://www.epa.gov/region06/6xa/asbestos.htm>. Comments are due by June 11, 2007.

For more information on this pilot project, go to <http://www.epa.gov/region06/6xa/asbestos.htm>.

Alternative Asbestos Control Method Update

By Doug Schafer, TSI



EPA hosted the External Peer Review Workshop of EPA's Draft Final Report "Comparison of the Alternative Asbestos Control Method and the

NESHAP Method for Demolition of Asbestos-Containing Buildings" on June 20 – 21 in Cincinnati, Ohio. The draft final report discussed the research effort comparing the use of the NESHAP process with the AACM process on two architecturally similar asbestos-containing buildings at the Fort Chaffee Redevelopment Authority near Fort Smith, AR.

The final product of this peer review will be a peer review summary report. The report will include the individual reviewer's pre-meeting written comments as an appendix, but will present a consensus opinion of the panel and key recommendations for the report, which will be addressed by the Agency. The goal of the report is to convey the independent scientific judgment of the reviewers on the technical merits of the research, the scientific defensibility of the results, and the reasonableness of the analysis and conclusions.

The final report for the comparison report addressing the testing at Fort Chaffee (AACM Project #1) is scheduled to be released September, 2007. EPA has scheduled AACM Project #2 for July, 2007.

GAO report: Asbestos Monitoring Dip Post-Katrina

Associated Press — June 28, 2007 7:54 AM ET

NEW ORLEANS (AP) — A new congressional report says the Environmental Protection Agency potentially exposed scores of residents, volunteers and workers to asbestos fibers by not doing more to monitor the contaminant in the cleanup after Hurricane Katrina.

The report, issued by the Government Accountability Office, said that although asbestos air data has not

found potential problems, those results might not be an accurate picture of the risk because of gaps in monitoring and scalebacks in monitoring once demolitions began.

After Katrina hit in August 2005, environmentalists and health experts complained that officials were downplaying the risks of gutting and demolishing homes and the threat from heavy metals and gasoline dumped on

the lawns, school yards and parks by flood waters.

The report, issued this week, comes as the EPA faces renewed criticism of its assurances about the safety of the air near the fallen World Trade Center following the September eleven terrorist attacks.

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Asbestos to Delay Razing of Pattengill Demolition costs for old Lansing school may grow by \$2M

Nicole Geary, Lansing State Journal

Newly discovered asbestos inside Lansing's former Pattengill Middle School will delay its razing by a year and add about \$2 million more to the demolition cost than planned. As a result, other city schools projects, including roof repairs and boiler replacements, likely will be postponed, officials said.

The 87-year-old building, vacated when students moved to the new school in January, was slated to be razed this summer using \$500,000 in funds remaining from the 2003 bond issue. However, contractors found large amounts of asbestos-containing materials — including in more than 200,000 square feet of plaster walls — during a required pre-demolition survey this spring.

Now the school district must complete a full asbestos removal process — quoted to cost an additional \$2.35 million — before Pattengill can be torn down. While school officials insist the asbestos had posed no risk to staff and children, inhaling asbestos fibers can cause serious health issues, such as lung cancer, if the fibers are disturbed and dispersed into the air.

In insulation, tiles

Asbestos was identified in 78 distinct materials in the building, including in insulation and floor tiles. Several parents said they don't believe their kids faced any real health risks while attending Pattengill, but one parent said she's surprised that leaders didn't properly plan

for the asbestos work in advance. "It's just frustrating because that money could be earmarked for other things," Pattengill mom Chris Allen said. "There are so many things that Lansing needs."

Brian Ralph, the district's chief operations officer who was hired last summer, said construction managers knew of some existing asbestos at the school during planning for the 2003 bond question, and allocated funds using the "best information available to them at the time. They referred to a school-specific asbestos management plan that didn't indicate Pattengill contained much of the material, particularly in the walls and roof. In retrospect, "You should really go beyond the stage of estimating and do some destructive testing," Ralph said.

For now, it appears there's enough unused and contingency money from the \$67.5 million bond issue to make up the difference. However, the final price tag for abatement and razing will almost certainly eat up \$2.5 million to \$3 million previously expected to be available for other building projects. The list includes big-ticket school maintenance, such as replacing roofs and boilers that otherwise must be covered by the district's general fund coffers or delayed indefinitely.

One project — a \$320,000 partial roof replacement at Everett High School — might have to be squeezed into this summer's \$2 million capital projects budget because the roof is leaking in areas recently remodeled under the bond project.

The setback also means Eastern High School, which is connected to the old Pattengill, won't get a new boiler, entrance and other renovations anytime soon. School board members had to suspend a contract with an architectural firm designing those improvements along with Pattengill's demolition plan.

The district still is waiting for the bill,

but Ralph estimates it will owe GMB Architects & Engineers about \$80,000 for work completed since the contract was awarded in January. "This just shoots the cost of doing business way up," said school board President Guillermo Lopez, dismayed when the board received the news. But "we can't just tear the building down. We're trying to be more proactive."

That's why officials are first seeking a second survey and recommendation from another asbestos testing company, with results expected soon. They realized there wouldn't be enough time to raze Pattengill before school resumes and want to be armed with more information before deciding how to proceed.

Costs for both building inspections and reports will reach about \$11,500, Ralph said.

Removal regulated

State asbestos inspector Chad Rogers said federal regulations require complete abatement before demolition if a building contains more than 160 square feet of friable asbestos, or those materials with a greater chance of releasing airborne fibers.

What's next

Lansing schools' leaders are waiting for results and recommendations from a second asbestos survey at the former Pattengill Middle School. They'll use the information to determine how best to remove asbestos from the building before razing it, which must wait until summer 2008.

Chief Operations Officer Brian Ralph said the district isn't yet considering other options, such as selling the 87-year-old structure near Eastern High School and Sparrow Hospital or leaving it standing.

"Pattengill will be demolished," Ralph said. "It's a question of how much it will cost and when."

NE Ohio Regional Meeting May 17, 2007

by James Prarat, Past President

The NE Ohio Regional meetings continue to be successful, with 22 attendees in May. The speaker was Bert Mechenbier of the Lake County General Health District (LCGHD — local EPA air agency under the EPA Northeast District Office). Bert has jurisdiction over only Lake and Geauga counties, but his District has proven to be very aggressive and proactive with regards to regulatory enforcement, promulgating information and guidance to people and companies within his District, and in accomplishing all that with innovation and clarification that is lacking in other Districts throughout the state.

In May, Bert talked about "Solid Waste Issues and New Demolition Guidelines". He admitted that interpretation and enforcement of the regulations are not consistent from District to District throughout Ohio. That's a problem that frustrates all of us, and Bert stated that the EPA statewide has regular meetings

to attempt to rectify that issue, but that progress is slow at best, and nobody is yet satisfied with the inconsistencies and differing interpretations coming from various EPA offices around the state. It was clear at the May meeting that LCGHD is strongly enforcing some regulatory components that are being enforced little, if at all, in other EPA Districts. If anybody is involved with a building demolition in LCGHD, they had better make sure that the following items are properly disposed of properly: mercury-containing devices, lamps (most contain hazardous materials), batteries, solvents (oils, gas, thinners, paints, etc.), tires, unsecured furnishings, freon, and PCB's. What's happening in LCGHD is very likely the precursor to what will be happening statewide in the near future.

Bert will be more than happy to answer any questions and to provide very informative printed material upon request. He can be contacted at 440-350-2543. BECO will also keep abreast of what's happening in, and coming out of LCGHD, and you can look forward to more articles in this newsletter with information that is needed by our members.

LEAD EXPERTS

Lead Hazard Abatement Training Schedule

2007

Type, Length and Pricing	Location	Course Month / Dates					
Worker Initial – 32 Hour \$595 Per Trainee	Toledo	Jan 22 – 25	Aug 6 – 9				
	Cleveland	Mar 26 – 29	Sept 17 – 20				
Worker Refresher – 8 Hour \$195 Per Trainee	Toledo	Jan 18	May 17	Sep 13			
	Cleveland	Feb 22	Apr 19	Jun 14	Aug 16	Oct 11	Dec 13
	Columbus	Mar 22	Jul 26	Nov 20			
Contractor Initial – 40 Hour \$795 Per Trainee	Toledo	May 7 – 11	Nov 5 – 9				
	Cleveland	Feb 12 – 16	Apr 23 – 27	Jun 18 – 22	Aug 27 – 31	Oct 22 – 26	Dec 3 – 7
	Columbus	Mar 12 – 16					
Contractor Refresher – 8 Hour \$195 Per Trainee	Toledo	Jan 18	May 17	Sep 13			
	Cleveland	Feb 22	Apr 19	Jun 14	Aug 16	Oct 11	Dec 13
	Columbus	Mar 22	Jul 26	Nov 20			
Inspector Initial – 24 Hour \$475 Per Trainee	Toledo	Mar 5 – 7	Aug 20 – 22				
	Cleveland	Feb 5 – 7	Apr 2 – 4	Jul 30 – Aug 1	Sept 24 – 26	Dec 17 – 19	
	Columbus	Jan 8 – 10	Jun 4 – 6				
Inspector Refresher – 8 Hour \$195 Per Trainee	Toledo	Jan 17	May 16	Sep 12			
	Cleveland	Feb 21	Apr 18	Jun 13	Aug 15	Oct 10	Dec 12
	Columbus	Mar 21	Jul 25	Nov 19			
Risk Assessor Initial – 16 Hour \$320 Per Trainee	Toledo	Mar 8 – 9	Aug 23 – 24				
	Cleveland	Feb 8 – 9	Apr 5 – 6	Aug 2 – 3	Sept 27 – 28		
	Columbus	Jan 11 – 12	Jun 7 – 8				
Risk Assessor Refresher – 8 Hr \$195 Per Trainee	Toledo	Jan 17	May 16	Sep 12			
	Cleveland	Feb 21	Apr 18	Jun 13	Aug 15	Oct 10	Dec 12
	Columbus	Mar 21	Jul 25	Nov 19			
Lead Renovator – 8 Hour \$195 Per Trainee	Toledo	Feb 27	May 15	Oct 4	Nov 15		
	Cleveland	Jan 30	Apr 12	Aug 14			
	Columbus	Mar 20	Jul 24	Dec 11			

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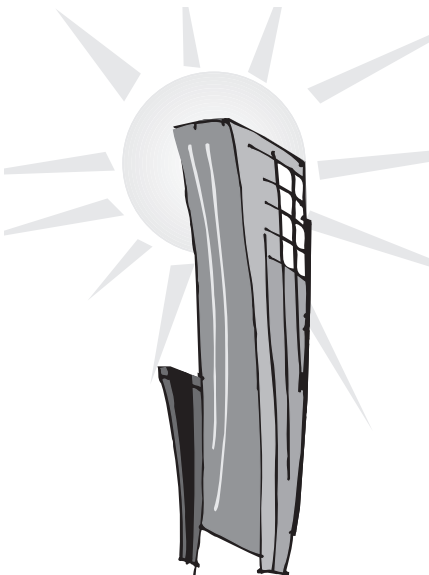
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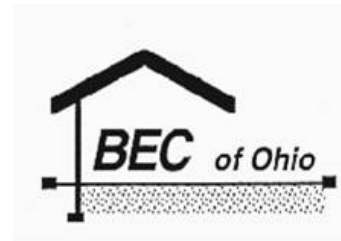
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Yes, I want a booth at Conference. Enclosed is my \$75 booth fee.

B E C O

WE NEED YOUR IDEAS!

BECO needs to secure one more topic/speaker for the October 24-25, 2007 Annual Conference - we want to hear your ideas.



Please list in the space below a topic idea and/or speaker name that you feel would contribute greatly to this year's conference and fax or mail this form ASAP to the BECO Office. Thank you.

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Topic: _____

Speaker Name: _____

Contact Information: _____
