



William M.
Nelson/US-Corporate/3M/US

03/07/2007 12:57 PM

To Dale L. Bacon/US-Corporate/3M/US@3M-Corporate
Dan E. Gahlon/US-Corporate/3M/US@3M-Corporate
Fred J. Palensky/US-Corporate/3M/US@3M-Corporate
Gary A. Hohenstein/US-Corporate/3M/US@3M-Corporate
George H. Millet/DY-Dyneon/3M/US@3M-Corporate
James B. Stake/US-Corporate/3M/US@3M-Corporate
Jay V. Ihlenfeld/US-Corporate/3M/US@3M-Corporate
Jeffrey K. Rageth/US-Corporate/3M/US@3M-Corporate
John R. Allison/LA-Legal/3M/US@3M-Corporate
Katherine E. Reed/US-Corporate/3M/US@3M-Corporate
Larry A. Wendling/US-Corporate/3M/US@3M-Corporate
Larry R. Zobel/US-Corporate/3M/US@3M-Corporate
Michael A. Santoro/US-Corporate/3M/US@3M-Corporate
Michael J. Falco/US-Corporate/3M/US@3M-Corporate
Peter M. Koelsch/US-Corporate/3M/US@3M-Corporate
Richard F. Ziegler/US-Corporate/3M/US@3M-Corporate
Thomas A Boardman/LA-Legal/3M/US@3M-Corporate
Thomas J.
DiPasquale/US-Corporate/3M/US@3M-Corporate
Thomas Geier/US-Corporate/3M/US@3M-Corporate
cc Mark A. Fenner/US-Corporate/3M/US@3M-Corporate
Stephen B. Sanchez/US-Corporate/3M/US

bcc

Subject Pioneer Press, Star Tribune and Link to MPR story

FYI...

3M says chemical in water harmless

Company says new tests find no threat to Washington, Dakota county residents

**BY BOB SHAW
Pioneer Press**

3M Co. has a message for Washington and Dakota counties: Stop worrying about your water.

The most extensive tests undertaken on a chemical recently found in drinking water in those areas show that trace amounts are harmless to humans, company officials said Tuesday.

"This reassures me tremendously," said Dr. Larry Zobel, 3M's corporate medical director.

The tests examined the effect of PFBA, or perfluorobutanoic acid, a chemical used to make photographic film that is believed to have leaked into groundwater from sites in Woodbury and Lake Elmo.

The study found that PFBA causes enlarged livers and lowered cholesterol in rats when the test animals were exposed to extremely high doses for 28 days.

But scientists gave the rats less and less of the compound to determine the threshold level that did not cause harm — and found it to be 420,000 times higher than the level of PFBA in the drinking water of Woodbury, the biggest city where it has been detected.

Zobel said a person would have to drink 500,000 glasses of water per day to reach the threshold indicated by the tests.

The company released the test results Tuesday afternoon. Earlier in the day, officials assured members of the Minnesota House Environment and Natural Resources Finance Committee that

**Exhibit
2137**

State of Minnesota v. 3M Co.,
Court File No. 27-CV-10-28862

3MA01645741

2137.0001

PFBA posed no harm — and fielded questions from lawmakers.

"If you had a daughter living in St. Paul Park, would you tell her to use an (activated carbon) filter or tap water?" Rep. Denny McNamara, R-Hastings, asked a panel of 3M executives.

"I have absolutely no concern about the public drinking water," said Dr. Katherine Reed, 3M vice president for environmental, health and safety operations.

Some lawmakers were not reassured — and verbally sparred with executives of the Maplewood-based company.

"Why not do what's right and put (affected residents) on bottled water or on filtration systems?" asked Rep. Karla Bigham, DFL-Cottage Grove.

Countered Reed: "The truth is, the water is safe to drink now."

Bigham is a co-sponsor of a bill that would cut the level of PFBA considered acceptable for Minnesota drinking water from its current 1 part per billion (ppb) limit in half, to 0.5 ppb.

"If the Department of Health is not going to protect, in my opinion, residents, then we should do something," Bigham said. "This is not OK. The sit-and-wait approach is not OK."

Bingham said some areas, such as St. Paul Park and Cottage Grove, had levels twice as high as the 1 ppb guideline — which she called twice as dangerous.

Shouldn't it be 3M's responsibility, she asked, to provide residents with bottled water?

John Linc Stine, director of the Health Department's Environmental Health Division, said the concentration guideline was misleading: A 1 ppb level of PFBA is considered acceptable over a lifetime of drinking it, he said — but twice the amount might well be acceptable as well.

"This is not making me feel better," Bigham said. "No level is acceptable, in my opinion."

Rep. Marsha Swails, DFL-Woodbury, said a woman in her district wanted to install a filter to remove the PFBA from her well water and was told it would cost \$1,000 — which she could not afford.

"What do I tell my constituents?" Swails asked.

"It's probably not the best way to spend your money," Stine responded.

Concerns over 3M chemicals in groundwater began in 2004, when two kinds of chemicals called PFCs, or perfluorochemicals, were detected in Oakdale and Lake Elmo. Those PFCs were used in making Teflon and Scotchgard stain repellent; PFBA is a member of the same group of chemicals.

3M said the chemicals weren't harmful. But the U.S. Environmental Protection Agency said some PFCs are "likely carcinogens" in high doses in laboratory animals.

3M paid \$2.5 million for a filter system for Oakdale city water and subsidized the cost of extending city water to some homes in Lake Elmo.

The discovery of PFBA was announced in January. Not much is known about the chemical, but it is believed to be less harmful than other PFCs because it doesn't accumulate in the body as quickly.

3M had conducted a five-day study of PFBA on rats before the chemical was found in groundwater. That study had similar results as those released Tuesday; a more thorough, 90-day study will begin in April, Zobel said.

State officials have never said PFBA was harmless, but they have said it poses no immediate health threat. The longer-term effects of PFBA and other PFCs are being studied by 3M and the EPA.

Bob Shaw can be reached at bshaw@pioneerpress.com or 651-228-5433.

3M duo quizzed on water concerns

Executives met with legislators in a hearing over concerns about chemicals found in private, public wells in the east metro region.

By Tom Meersman, Star Tribune

Rep. Karla Bigham was clearly frustrated after hearing contrasting opinions about the danger posed by 3M chemicals in east metro drinking water. Why shouldn't the company provide bottled water or filtering systems to affected residents until more is known, the Cottage Grove DFLer asked two 3M executives at a legislative hearing Tuesday.

"The water is safe to drink as it currently exists, and supplying an alternative supply, I believe, sends the wrong message," said 3M medical director and vice president Dr. Larry Zobel.

Zobel and another 3M executive came to the Capitol to confront the rising concerns over the three chemicals, formerly manufactured by the company and detected in private and public wells.

The three chemicals have been found alone or in combination in the groundwater of several communities, especially near dumps that 3M used to dispose of them between 1956 and 1974.

The state Health Department recently lowered its recommended maximum level of two 3M chemicals, legislators have introduced several bills to tighten regulation and the attorney general is considering legal action related to the pollution. But two 3M vice presidents told legislators that residents have no need to worry about the levels of three perfluorochemicals in their water.

"We do know, based on science, that there are no health effects from PFBA, PFOA or PFOS at levels found in the environment," said Katherine Reed, 3M vice president for environmental, health and safety operations.

Reed said that little is known about PFBA, but that 3M workers exposed for years to the other compounds have shown no adverse health problems related to the chemicals. When asked if she would drink tap water in cities where the chemicals

have been detected, Reed said that she would, and that she has "absolutely no concerns" about the water.

State health officials did not agree that exposure to the chemicals, even at relatively low levels, was free of risk.

"It's too soon to tell what the health risks associated with these chemicals are," said John Linc Stine, environmental health division director for the Minnesota Department of Health.

The department last week revised the maximum concentrations that it considers to be protective for PFOA and PFOS which have been detected in Oakdale and Lake Elmo. Another substance, PFBA, was detected in January in city wells of Woodbury, Cottage Grove, Hastings, St. Paul Park, Newport and South St. Paul. The PFBA concentrations were slightly above or below the Health Department's guideline of 1 part per billion.

Rep. Denny McNamara, R-Hastings, said he was encouraged that 3M testified at the hearing and that Reed pledged to take responsibility for groundwater problems if they prove to be more serious.

Last week, Minnesota Attorney General Lori Swanson sent letters to the commissioners of the Health Department and the Pollution Control Agency, asking for data about the history of the chemicals, their characteristics, health risks and cleanup plans. In an interview, Swanson called the effort a "fact-finding attempt to evaluate whether additional legal action may be appropriate."

3M's Reed said that although the company does not believe the chemicals pose any health risk at current levels in the environment, 3M is sponsoring more laboratory research and environmental studies, and is conducting additional groundwater monitoring and investigations of potential sources of the pollution.

The company stopped making the chemicals in 2002, which were used for decades in a variety of products such as nonstick cookware, stain-resistant fabrics, films and firefighting foams.

Tom Meersman • 612-673-7388 • meersman@startribune.com

©2007 Star Tribune. All rights reserved.

MPR Link:

<http://minnesota.publicradio.org/display/web/2007/03/06/3mchemicals/>

Bill.

William M. Nelson
3M Corporate Communications

3MA01645744

2137.0004

Building 225-1-South -15
St. Paul, MN 55144
Tel: 651-733-6516
Fax: 651-737-2901 E-mail: wnelson1@mmm.com

3MA01645745

2137.0005