

Interoffice Correspondence

3M

Woodbury Twp

Subject: Residence Well Water Sampling  
Woodbury Township and Cottage  
Grove Village

cc: W. M. Bennett/L. Anderson - 220-9W  
A. C. Boyden - 21-2W  
J. A. Brown - 27-2  
J. C. Juettner - 42-1W  
C. E. Kiester - 42-2W  
R. O. Laine - 220-12E  
W. H. Pahl - 21-2W  
H. S. Parkinson - 42-2W  
C. P. Pesek - 220-14E  
H. W. Rehfeld - 21-2W  
R. H. Tucker - 220-12E  
J. Verstraete/W. Jensen - 220-9W  
H. T. Weber - 220-13W  
H. J. Wessel - 42-2W

October 18, 1966

TO: D. R. GUTHRIE - EXECUTIVE - 220-14E


FROM: J. T. LING - WATER & SANITARY ENG. - 42-2W

The 18 well water samples collected in the vicinity of the 3M Woodbury Dump Site were analyzed. Due to the improved sensitivity of our new laboratory techniques, a number of organic chemicals at a concentration less than 1 part per billion were found in these well water samples. Because of this very low concentration, we do not feel this will bear any significance at the present time.

As I mentioned to you over the telephone, we are preparing a report covering our findings and also a summary report which will include some of the technical data for the State Department of Health. We will review this with you when it is available.

To keep the Woodbury Township Board informed, the attached letter was sent to Mr. Bielenberg on October 18, 1966, by Mr. J. C. Juettner. You may notice there is no technical information included in this letter. This letter was cleared with Messrs. H. Wessel, R. Laine, W. Bennett, and W. Jensen.

We shall keep you posted on the progress of this matter.

  
JTL:pjs

Enclosure (all cc's)

Trial Exhibit 3033

3MA00335752

Exhibit  
2632

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

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2632.0001

October 18, 1966

Subj: Residence Well Water Sampling  
Woodbury Township and  
Cottage Grove Village

Mr. O. M. Bielenberg  
Chairman, Woodbury Township Board  
Bailey Road  
Newport, Minnesota

Dear Mr. Bielenberg:

At the request of the Woodbury Township Board 3M has collected and analyzed well water samples from 18 residences in Woodbury Township and Cottage Grove Village in the vicinity of the 3M disposal site. You will recall that these wells were located from a list of names and residences given to us by the Township Board. Mr. Schuessler's well is not included in this test. The analytical work included a complete routine water analysis and a special, very sensitive gas chromatographic analysis for trace organic chemicals. The Minnesota Department of Health also had water samples collected from these wells for nitrate and surfactant (detergent) analysis.

The results of our routine laboratory analysis showed that eleven (11) of the eighteen (18) well water samples had nitrate concentrations in excess of the maximum allowable concentrations recommended by the United States Public Health Service and Minnesota Department of Health for use in feeding infants. This is not the result of chemical contamination from the disposal site; however, it could be an indication of localized pollution. The Minnesota Department of Health obtained similar results from their laboratory analyses. It is our understanding that the Minnesota Department of Health has already informed the affected residences of their particular nitrate problem.

To determine the natural background organic chemicals in the water, 3M collected three water samples as control. Two of these three samples were collected from a drift well (approximately 220' deep) and a Shakopee limestone well (approximately 290' deep) that are located well out of the influence of the disposal site. These two wells are at least four miles northwest of the site. One sample of Saint Paul City water was also collected for this purpose. Comparing the results of our very sensitive gas chromatographic laboratory analysis on the

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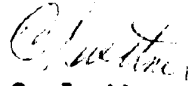
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Mr. O. M. Bielenberg  
October 18, 1966

eighteen (18) well water samples with the background chemicals found in these control samples, we found no organic chemical contamination from the disposal site in the eighteen (18) area wells sampled during this survey.

As proposed by 3M at the Township meeting on August 17, 1966, a test hole has been started on our property to determine the extent of any chemical contamination. The drilling of this test hole was started on September 13, 1966. The results of this test are not conclusive at this time; however, this information will be available to you at a later date when the test hole is completed.

If you have any questions, please let me know.

Very truly yours,



J. C. Juettner, Manager  
Staff Manufacturing

JCJ:pjs

cc: Mr. F. Woodward  
Director, Environmental Sanitation  
Minnesota State Department of Health

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