

Allegheny County Board of Commissioners

90 South Main Street
Post Office Box 366
Sparta, North Carolina 28675
Tel: (336) 372-4179
Fax: (336) 372-5969

County Commissioners
Eldon Edwards – Chairman
Warren Taylor – Vice Chairman
Graylen Blevins
Sandy Carter
Patrick N. Woodie

County Manager
Don Adams

County Attorney
Ed Woltz

2/28/03

Scanned by <i>aw</i>	Date <i>7, 1, 08</i>	Doc ID #
-------------------------	-------------------------	----------

Dear Occupant / Property Owner,

As you are aware, you currently reside and/or own property near the Allegheny County closed landfill. Allegheny County opened this landfill in 1981 and closed the landfill in 1994. Since 1994, we have operated a transfer facility that hauls our waste to other landfills. Allegheny County maintains wells around the closed landfill to monitor ground water. We have discovered that two of these wells indicate the presence of inorganic compounds.

Enclosed is a letter from Dr. Luanne K. Williams of the North Carolina Department of Health and Human Services. This letter lists the inorganic compounds present in the two wells and the health risks associated with these readings. Also enclosed in a letter from Daniel Staley (Director of Appalachian District Health Department). As you can see from the letter, the Health Department believes the levels detected do not warrant immediate action and pose little health threat.

It is unclear at this time if any of these compounds have left the County's property. In order to determine this, we are requesting that you allow the health department to collect data on your household water supply. In order to collect this data, the Health Department will need to gain access to your water supply to collect a sample. Please follow the instructions in the letter from Daniel Staley to arrange a collection time. The test results will be released to you when they are completed. If you have any questions regarding this matter, please feel free to contact me at (336) 372-4179.

Sincerely,


Don Adams
Allegheny County Manager



North Carolina Department of Health and Human Services
 Division of Public Health • Epidemiology Section
 1912 Mail Service Center • Raleigh, North Carolina 27699-1912
 Tel 919-733-3410 • Fax 919-733-9555

Michael F. Easley, Governor

Carmen Hooker Odom, Secretary

February 19, 2003

Mr. Don Adams
 Alleghany County Manager
 90 South Main Street
 Post Office Box 366
 Sparta, North Carolina 28675

Dear Mr. Adams:

I am writing in response to your request for a health risk evaluation on the July 31, 2002 monitoring well 1 and 3 sample results for the Alleghany County closed landfill site. Table 1 compares the chemical concentrations found to the recommended health-based levels. The risk from exposure to each chemical, and all chemicals is also provided.

Table 1. Chemical Concentrations Found in Alleghany County closed landfill site, Recommended Health-based Levels for Each Chemical Found and Risk from Exposure to Chemicals

Chemicals	Maximum Concentration Detected ug/L	Recommended Health-based Level ug/L	Risk from Exposure to Chemical Assuming 2 liters per day Consumption at the Maximum Level Detected Over a Lifetime (70 years) and Total Risk
Vinyl chloride	3.2 (Well-1)	0.015	2 out of 10,000 cancer risk
chloroethane	3.1 (Well-3)-and 6.3 (Well-1)	2,800	Below recommended level no risk expected
1,1-dichloroethane	1.7 (Well-3) and 3.8 (Well-1)	70	Below recommended level no risk expected
Cis-1,2-dichloroethene	2.0 (Well-3) and 9.1 (Well-1)	70	Below recommended level no risk expected
benzene	8.3 (Well-1)	1	.08 out of 10,000 cancer risk
Trichloroethene	3.6 (Well-1)	2.8	.01 out of 10,000 cancer risk
tetrachloroethene	1.4 (Well-3) and 2.3 (Well-1)	0.7	.02 out of 10,000 cancer risk
1,4-dichlorobenzene	2.6 (Well-1)	1.4	.02 out of 10,000 cancer risk
			TOTAL RISK 2.13 out of 10,000 cancer risk

Summary of Risk

As you can see, vinyl chloride, benzene, trichloroethene, tetrachloroethene, and 1,4-dichlorobenzene were detected above the recommended health-based levels. If 10,000 people were to drink 2 liters a day of drinking water containing these chemical concentrations over 70 years, then approximately 2 out of 10,000 people may be at risk of developing cancer as a result of this exposure. This evaluation is based on observations of cancer reported for animals when exposed to these carcinogens. Cancer risk is generally categorized as being very low, low, moderate, high or very high. A 2 out of a 10,000 cancer risk is a moderate cancer risk. If individuals were drinking this water



APPALACHIAN DISTRICT HEALTH DEPARTMENT

DISTRICT OFFICE: 141 Health Center Drive, Boone, NC 28607
Telephone 828-264-4995 Fax 828-264-4997

Daniel Staley, MS
Director

David J. Triplett
Chairman Board of Health

Public Health: Protecting and improving your health throughout life.

February 27, 2003

Dear Occupant,

Recently, Appalachian District Health Department has been working with Alleghany County regarding the landfill off Osborne Road. The last reports regarding the monitoring wells at the landfill have shown an elevation in inorganic compounds. At this time, we do not feel the levels detected warrant immediate action and pose little health threat.

We are working with the county to collect data on household water supplies. During the week of March 24-26, 2003, we will be conducting water testing. In order for us to test your water, please call Barry Irwin at 372-8813 by March 17, 2003 to set up an appointment.

If you have questions or need additional information, please call 372-8813.

Sincerely,

Daniel Staley, MS
Director