

March 6, 2007

Mr. Sean Yarup  
Montgomery County Public Schools  
16651 Crabbs Branch Way  
Rockville, Maryland 20855

Re: Poolesville High School

Dear Mr. Yarup:

On February 26, 2007, M. A. Cecil and Associates Inc., conducted water sampling in a sewer vault located on the grounds of Poolesville High School. The sewer lines (from the school) were disconnected in 1976. This sampling was performed due to occupant concerns that the water in the vault would potentially cause a health risk and/or contribute to poor indoor air quality.

The sewer vault had two accessible sections containing standing water; the pump house well and the septic tank. A representative sample of the entire column of water was taken from each of these sections and submitted for analysis in accordance with EPA regulation 40CFR Part 261 - Identification and Listing of Hazardous Waste, Subpart C – Characteristics of Hazardous Waste. The analytical method utilized was the Toxicity Characteristics Leachate Procedure (TCLP), Method 1311 in “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods,” EPA Publication SW-846.

The detected concentrations of contaminants for the toxicity characteristic were below the maximum regulatory concentration. In other words, the vault water was not determined to have toxicity or corrosivity characteristics. The samples were not evaluated for reactivity or ignitability given the history of the site. The local sewer authority should be contacted for proper disposal of this standing water.

Should you have any questions or comments please do not hesitate to call us at (301)-855-7710 or (703)-721-0400.

Sincerely,

David P. Zeleznock  
Industrial Hygienist

Michael A. Cecil, CIH

**Table 1**  
**Water Sampling Results**  
**Poolesville High School**  
**February 26, 2007**

<b>Pump house well</b>		
<b>Parameter</b>	<b>Detected Concentration</b>	<b>Regulatory Level</b>
<b>Corrosivity</b>		
pH	7.0 pH	>2 pH <12.5
<b>Metals</b>		
Arsenic	<0.05	5.0
Barium	0.09	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.05	5.0
Mercury	<0.0003	0.2
Selenium	<0.05	1.0
Silver	<0.05	5.0
<b>Organics</b>		
Chlordane	<0.01	0.03
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.01	10.0
Toxaphene	<0.01	0.5
2,4,5-TP (Silvex)	<0.1	1.0
2,4,-D	<0.1	10.0
2,4,5-Trichlorophenol	<0.05	400.0
2,4,6-Trichlorophenol	<0.05	2.0
2,4-Dinitrotoluene	<0.05	0.13
Hexachloro-1,3-Butadiene (SVOA)	<0.05	0.5
Hexachlorobenzene	<0.05	0.13
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pentachlorophenol	<0.05	100.0
Pyridine	<0.05	5.0
Total Cresols	<0.15	200.0
1,1-Dichloroethylene	<0.05	0.7
1,2-Dichloroethane	<0.05	0.5
1,4-Dichlorobenzene (VOA)	<0.05	7.5
Benzene	<0.05	0.5
Carbon Tetrachloride	<0.05	0.5
Chlorobenzene	<0.05	100.0
Chloroform	<0.05	6.0
Methyl Ethyl Ketone	<0.05	200.0
Tetrachloroethylene	<0.05	0.7
Trichloroethylene	<0.05	0.5
Vinyl Chloride	<0.05	0.2

**Table 2**  
**Water Sampling Results**  
**Poolesville High School**  
**February 26, 2007**

<b>Septic tank</b>		
<b>Parameter</b>	<b>Detected Concentration</b>	<b>Regulatory Level</b>
<b>Corrosivity</b>		
pH	7.0 pH	>2 pH <12.5
<b>Metals</b>		
Arsenic	<0.05	5.0
Barium	0.09	100.0
Cadmium	<0.05	1.0
Chromium	<0.05	5.0
Lead	<0.05	5.0
Mercury	<0.0003	0.2
Selenium	<0.05	1.0
Silver	<0.05	5.0
<b>Organics</b>		
Chlordane	<0.01	0.03
Endrin	<0.001	0.02
Heptachlor	<0.001	0.008
Heptachlor Epoxide	<0.001	0.008
Lindane	<0.001	0.4
Methoxychlor	<0.01	10.0
Toxaphene	<0.01	0.5
2,4,5-TP (Silvex)	<0.1	1.0
2,4,-D	<0.1	10.0
2,4,5-Trichlorophenol	<0.05	400.0
2,4,6-Trichlorophenol	<0.05	2.0
2,4-Dinitrotoluene	<0.05	0.13
Hexachloro-1,3-Butadiene (SVOA)	<0.05	0.5
Hexachlorobenzene	<0.05	0.13
Hexachloroethane	<0.05	3.0
Nitrobenzene	<0.05	2.0
Pentachlorophenol	<0.05	100.0
Pyridine	<0.05	5.0
Total Cresols	<0.15	200.0
1,1-Dichloroethylene	<0.05	0.7
1,2-Dichloroethane	<0.05	0.5
1,4-Dichlorobenzene (VOA)	<0.05	7.5
Benzene	<0.05	0.5
Carbon Tetrachloride	<0.05	0.5
Chlorobenzene	<0.05	100.0
Chloroform	<0.05	6.0
Methyl ethyl ketone	<0.05	200.0
Tetrachloroethylene	<0.05	0.7
Trichloroethylene	<0.05	0.5
Vinyl Chloride	<0.05	0.2