PLAINVIEW WATER DISTRICT - 2003 WATER QUALITY REPORT

TABLE OF DETECTED PARAMETERS

Contaminants or Constituents	Violation (Yes/No)	Date of Max. Sample	Level Detected (Maximum) (Range)	Unit Measure-ment	MCLG	Regulatory Limit (MCL or AL)	Likely Source of Contaminant
Inorganic Contaminants							
Copper	No	June, July, August, Sept. 2002	0.96[1] ND - 1.47	mg/l	1.3	AL = 1.3	Corrosion of galvanized pipes; Erosion of natural deposits
Lead	No	June, July, August, Sept. 2002	4.3[1] ND-7.9	ug/l	0	AL = 15	Corrosion of household plumbing systems; Erosion of natural deposits
Sodium	No	12/10/03	13.8 4.8 - 13.8	mg/l	n/a	No MCL[2]	Naturally occurring
Zinc	No	12/10/13	0.04 ND - 0.04	mg/l	n/a	MCL = 5	Naturally occurring
Calcium	No	12/16/03	13.2 2.1 -13.2	mg/l	None	None	Naturally occurring
Chloride	No	12/10/03	21.4 3.9 - 21.4	mg/l	n/a	MCL = 250	Naturally occurring
Iron	No	10/27/03	130 ND - 130	ug/l	n/a	MCL = 300	Naturally occurring
Nitrate	No	5/8/03	6.5 4.1 - 6.5	mg/l	10	MCL = 10	Runoff from fertilizer and leaching from septic tanks and sewage
Magnesium	No	12/10/03	3.7 0.7 - 3.7	mg/l	None	None	Naturally occurring
Synthetic Organic Contaminants Including Pesticides and Herbicides							
None Detected	--	--	ND	--	--	--	--
Volatile Organic Contaminants							
1,1-Dichloroethene	No	9/16/03	0.7 ND - 0.7	ug/l	0	MCL = 5.0	Chemical industrial discharge
1,1,1-Trichloroethane	No	9/16/03	2.3 ND - 2.3	ug/l	0	MCL = 5.0	Industrial discharge from metal degreasing
Trichloroethene	No	9/16/03	7.3[4] ND - 7.3	ug/l	0	MCL = 5.0	Industrial discharge from metal degreasing
Chloroform	No	3/20/03	2.2 ND - 2.2	ug/l	0	MCL = 50	Chlorine By-Product
Bromodichloromethane	No	4/2/03	0.8 ND - 0.8	ug/l	0	MCL = 50	Chlorine By-Product
Dibromochloromethane	No	4/2/03	1.6 ND - 1.6	ug/l	0	MCL = 50	Chlorine By-Product
Bromoform	No	12/11/03	3.1 ND - 3.1	ug/l	0	MCL = 50	Chlorine By-Product
Unregulated Contaminants[3]							
Perchlorate	No	12/11/03	8.9 ND - 8.9	ug/l	n/a	AL = 18	Fertilizer and/or Chemical Industrial Discharge

Definitions:

Maximum Contaminant Level (MCL) **-** The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible.

Maximum Contaminant Level Goal (MCLG) - The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Action Level (AL) - The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

Milligrams per liter (mg/l) - Corresponds to one part of liquid in one million parts of liquid (parts per million - ppm).

Micrograms per liter (ug/l) - Corresponds to one part of liquid in one billion parts of liquid (parts per billion - ppb).

Non-Detects (ND) - Laboratory analysis indicates that the constituent is not present.

[1] - During 2002 we collected and analyzed 41 samples for lead and copper. The 90% percentile level is presented in the table. The action level for lead was not exceeded at any site tested. The action level for copper was exceeded at only one site. The next round of sampling and testing will occur in 2005.

[2] - No MCL has been established for sodium. However, 20 mg/l is a recommended guideline for people on highly restricted sodium diets and 270 mg/l for those on moderately restricted sodium diets

[3] - Perchlorate is an unregulated contaminant. However, the NYS Dept. of Health has established an action level of 18 ug/l.

[4] - Well No. 7-1 was immediately removed from service when the compound was detected and will remain off line until wellhead treatment is provided. The detection was not an MCL violation based on the prompt action undertaken by the District.