38004 A-2 7/24/87

OhioEPA

State of Ohio Environmental Protection Agency

P.O. Box 1049, 1800 WaterMark Dr.
Columbus, Ohio 43266-0149

Toward A Cleaner Environment
15 Year Anniversary 1972 - 1987

July 24, 1987

Re: Stark County
North Canton
Community Water Supply
PWS ID: 7604312

Richard F. Celeste
Governor

Mr. Thomas Allen
North Canton Water Supply
145 North Main St.
North Canton, Ohio 44720

RECEIVED
JUL 27 1987
OHIO EPA-N.E.D.O.

Dear Mr. Allen:

I am writing this letter on behalf of Dr. Kenneth L. Applegate. This letter is in reference to the samples collected June 29, 1987 from your drinking water wells and submitted to the Aqua Tech Environmental Consultants, Inc. for volatile organic chemicals (VOC) analysis. The results are enclosed for your review.

On July 8, 1987, the United States Environmental Protection Agency in Federal Register, Volume 52, Number 130, promulgated regulations pertaining to the presence of volatile organic chemicals (VOCs) in drinking water. These regulations finalize the maximum contaminant level (MCL) values for 8 VOCs as follows:

VOC	Final MCL (micrograms per liter)
Trichloroethylene	5
Carbon tetrachloride	5
Vinyl chloride	2
1,2-Dichloroethane	5
Benzene	5
para-Dichlorobenzene	5
1,1-Dichloroethylene	7
1,1,1-Trichloroethane	200

Also, promulgated at this time were regulations pertaining to compliance monitoring schedules for the 8 VOCs with MCLs and the 51 unregulated VOCs, guidelines for granting variances and exemptions, reporting requirements and public notice requirements. It is the recommendation of this agency that your water supply obtain a copy of the above mentioned Federal Register to become familiar with these regulations and how they will effect your water supply. The regulations pertaining to monitoring for the 8 VOCs with MCLs and the 51 unregulated VOCs becomes effective January 1, 1988. All other regulations become effective 18 months from promulgation.

The presence of VOCs in the drinking water wells and distribution system of North Canton has been discussed in previous letters from this office. The VOCs detected in the water supply of North Canton will be regulated under the above mentioned regulations.

The intention of this letter is to inform you of these regulations so that you and your staff will be able to initiate a plan for eliminating or reducing the concentrations of VOCs in the drinking water supply to acceptable levels.

Should you have any questions please contact me at (614) 481-7025.

Respectfully,

Kirk M. Leifheit

Kirk M. Leifheit
Environmental Scientist
Water Quality Section
Division of Public Water Supply

KML/clk
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Enclosures

cc: Tom Baclawski, NEDO

NORTH CANTON WTP
OHIO EPA ENFORCEABLE 51 & 8 VOC'S
DATE RECEIVED - 6/30/87

ATEC SAMPLE NO.	12401	12402	12043	12404	12405
CLIENT SAMPLE IDENT.	WELL #1	WELL #2	WELL #3	WELL #4	WELL #5
BENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOFORM	<1.0	<1.0	<1.0	<1.0	<1.0
CARBON TETRACHLORIDE	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
CHLORODIBROMOMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
CHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
CHLOROFORM	<0.5	<0.5	<0.5	<0.5	<0.5
DICHLOROBROMOMETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
DICHLORODIFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-DICHLOROETHANE	2.4	2.3	<0.5	<0.5	<0.5
1,2-DICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
1,1-DICHLOROETHYLENE	<0.5	<0.5	<0.5	<0.5	<0.5
1,2-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0
ETHYL BENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-TETRACHLOROETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
TOLUENE	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-DICHLOROETHYLENE	1.3	1.2	<0.5	1.7	<0.5
1,1,1-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
1,1,2-TRICHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROETHYLENE	<0.5	<0.5	<0.5	<0.5	<0.5
TRICHLOROFLUOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
VINYL CHLORIDE	<1.0	<1.0	<1.0	<1.0	<1.0
p-DICHLOROBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
m-DICHLOROBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
DICHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-DICHLOROETHYLENE	<0.5	<0.5	<0.5	<0.5	<0.5
o-DICHLOROBENZENE	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-TRICHLOROBENZENE	<5.0	<5.0	<5.0	<5.0	<5.0
DIBROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-DIBROMOETHANE (EDB)	<2.0	<2.0	<2.0	<2.0	<2.0
1,2-DIBROMO-3-CHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0
p-XYLENE	<1.0	<1.0	<1.0	<1.0	<1.0
o-XYLENE	<1.0	<1.0	<1.0	<1.0	<1.0
m-XYLENE	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0
STYRENE	<1.0	<1.0	<1.0	<1.0	<1.0
CHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
BROMOCHLOROMETHANE	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-TRICHLOROPROPANE	<2.0	<2.0	<2.0	<2.0	<2.0
1,2,3-TRICHLOROBENZENE	<5.0	<5.0	<5.0	<5.0	<5.0
n-PROPYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
1,1,1,2-TETRACHLOROETHANE	<0.5	<0.5	<0.5	<0.5	<0.5
PENTACHLOROETHANE	<2.0	<2.0	<2.0	<2.0	<2.0
bis-2-CHLOROISOPROPYL ETHER	<2.0	<2.0	<2.0	<2.0	<2.0
sec-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-TRIMETHYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
n-BUTYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
NAPHTHALENE	<2.0	<2.0	<2.0	<2.0	<2.0
HEXACHLOROBUTADIENE	<2.0	<2.0	<2.0	<2.0	<2.0
o-CHLOROTOLUENE	<1.0	<1.0	<1.0	<1.0	<1.0
p-CHLOROTOLUENE	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-TRIMETHYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
p-ISOPROPYLTOLUENE	<2.0	<2.0	<2.0	<2.0	<2.0
1,1-DICHLOROPROPANE	<1.0	<1.0	<1.0	<1.0	<1.0
iso-PROPYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
tert-BUTYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
sec-BUTYLBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0
BROMOBENZENE	<2.0	<2.0	<2.0	<2.0	<2.0

All results are reported as ug/l (ppb).