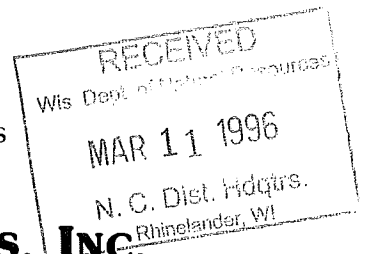




ECOLOGICAL CONSULTING AND  
ENVIRONMENTAL LABORATORY SERVICES

**WHITE WATER ASSOCIATES, INC.**



March 7, 1996

Mr. Scott Watson  
Wisconsin Department of Natural Resources  
North Central District Headquarters  
107 Sutcliff  
Box 818  
Rhineland, Wisconsin 54501

Re: C.M. Christiansen Co., Phelps, Wisconsin - Pole Treatment Project

Dear Mr. Watson:

Please find enclosed the VOC data from the second round of groundwater samples. These data were accidentally omitted from the previous set of data tables sent to you on March 5, 1996.

If you have any questions, do not hesitate to call me at (906) 822-7373.

Sincerely,

Robert D. Edstrom, Ph.D.

cc: R. Roder - Reinhart, Boerner, Van Deuren,  
Norris & Rieselbach, S.C.  
M. Gregory - Coleman Engineering

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	DCDFM	Chloromethane/ Vinyl Chloride	Bromomethane/ Chloroethane	Trichloro- fluoromethane	1,1-Dichloro- ethene	Methylene- chloride	Trans-1,2- Dichloroethene
MW-1	ND	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	ND	ND	ND	ND	ND	ND
MW-8	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	17	ND
MW-7 Duplicate	ND	ND	ND	ND	ND	ND	ND
Trip Blank	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	5	3	3	2	1	10	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	1,1-Dichloro-ethane	Cis-1,2-Dichloroethene/ 2,2-Dichloropropane	Chloroform	Bromochloro-methane	1,1,1-Trichloro-ethane	1,1-Dichloro-propene	Carbon Tetrachloride	Benzene
MW-1	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	ND	ND	ND	ND	ND	ND	ND
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	2	1	1	1	1	1	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	1,2-Dichloro-ethane	Trichloro-ethene	1,2-Dichloro-propane	Bromodichloro-methane	Dibromo-methane	Cis-1,3-Dichloro-propene	Toluene	Trans-1,3-Dichloropropene
MW-1	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	ND	ND	ND	ND	ND	2	ND
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	1	1	1	1	1	1	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	1,1,2-Trichloro-ethane	Tetrachloro-ethene	1,3-Dichloro-propane	Dibromo-chloromethane	1,2-Dibromo-ethane	Chloro-benzene	Ethyl-benzene	1,1,1,2-Tetra-chloroethane
MW-1	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	ND	ND	ND	ND	ND	ND	ND
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	ND	ND	ND	ND	ND	ND	ND	ND
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	1	1	1	1	1	1	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
 Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	m/p-Xylene	o-Xylene	Styrene	Isopropyl- benzene	Bromoform	1,1,2,2-Tetra- chloroethane	1,2,3-Trichloro- ethane	n-Propyl- benzene
MW-1	ND	ND	ND	ND	ND	ND	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	6	7	ND	ND	ND	ND	ND	1
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	4	7	ND	ND	ND	ND	ND	1
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	2	1	1	1	2	1	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	Bromo- benzene	1,3,5- Trimethyl- benzene	2-Chlorotoluene	4-Chlorotoluene	t-Butyl- benzene	1,2,4-Trimethyl- benzene	s-Butyl- benzene	p-Isopropyl- toluene
MW-1	ND	ND	ND	ND	ND	2	ND	ND
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	4	ND	ND	ND	16	1	ND
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	ND	6	ND	ND	ND	11	ND	ND
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	1	1	1	1	1	1	1

ND = Not Detected.

C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	1,3-Dichloro- benzene	1,4-Dichloro- benzene	n-Butyl- benzene	1,2-Dichloro- benzene	1,2-Dibromo-3- chloropropane	1,2,4-Trichloro- benzene	Hexachloro- butadiene	Naphthalene
MW-1	ND	ND	1	ND	ND	ND	ND	8
MW-2	ND	ND	ND	ND	ND	ND	ND	ND
MW-3	ND	ND	ND	ND	ND	ND	ND	ND
MW-4	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	ND	ND	ND	ND	ND	ND
MW-6	ND	ND	ND	ND	ND	ND	ND	ND
MW-7	ND	ND	7	ND	ND	ND	ND	36
MW-8	ND	ND	ND	ND	ND	ND	ND	ND
Field Blank	ND	ND	ND	ND	ND	ND	ND	ND
MW-7 Duplicate	ND	ND	7	ND	ND	ND	ND	22
Trip Blank	ND	ND	ND	ND	ND	ND	ND	ND
MDL (ug/L)	1	1	1	1	2	1	2	1

ND = Not Detected.



C.M. CHRISTIANSEN Co.  
Phelps, Wisconsin

GROUNDWATER SAMPLE ANALYTICAL RESULTS: December 15, 1995

Volatile Organic Chemicals (ug/L, ppb)

Groundwater Wells	1,2,3-Trichloro- benzene
MW-1	ND
MW-2	ND
MW-3	ND
MW-4	ND
MW-5	ND
MW-6	ND
MW-7	ND
MW-8	ND
Field Blank	ND
MW-7 Duplicate	ND
Trip Blank	ND
MDL (ug/L)	1

ND = Not Detected.