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January 30, 1980 C 7606W

Mr. Carl Pedretti, Chairman Town of Onalaska Town Hall Route 2 Onalaska, Wisconsin 54650

Re: Groundwater Monitoring Onalaska Sanitary Landfill

Dear Mr. Pedretti:

Please find attached the groundwater monitoring results for the fourth quarter of 1979. Sampling was conducted on December 5, 1979. All monitoring wells except for B2 were sampled. Samples were also obtained from the Miller home and garden wells.

We were unable to obtain a sample from monitoring well B2 due to a kink in the well casing which was apparently the result of landfilling. We recommend that the well be repaired by excavating and replacing the damaged section(s) such that samples can be obtained.

Groundwater elevations have increased over a foot in all wells from the previous sampling (September 19, 1979), but groundwater still appears to flow in a generally southerly direction toward the Miller property and the Black River.

As in past quarters, the monitoring wells downgradient from and within the fill area show the elevation of some parameters above background concentrations found in monitoring wells Bl and B5. These include specific conductance, COD, chloride & hardness. All monitoring wells are generally within the range of concentrations detected in previous sampling periods for all parameters.

The Miller home well had a large increase in dissolved iron and a slight increase in pH from the previous sampling period. All other parameters are at levels comparable to the previous sampling. The dissolved iron concentration in the Miller home well is above secondary drinking water standards. Extreme fluctuations in dissolved iron have also been observed in background monitoring wells Bl and B5.

JAN 31 1980 CHIR La Crosso Area

Mr. Carl Pedretti Onalaska, WI 54650

If you have any questions concerning this report, please feel free to contact us.

Very truly yours,

WARZYN ENGINEERING INC.

Robert J. Karnauskas Hydrogeologist

RJK/pag

Enclosures: Groundwater Contour Map, December 5, 1979 Analytical Laboratory Results

cc: Mr. Chuck Geoechel Department of Natural Resources Madison, WI w/enc.

> Mr. Jim Boettcher Department of Natural Resources Lacrosse, WI w/enc.

> Mr. Jeff Miller Department of Natural Resources Eau Claire, WI w/enc.

> Mr. Gene Mitchell Department of Natural Resources Madison, WI w/enc.



WARZYN	ANALY	rical Laboratory results	Date Received: 12/5/
	Project	Onalaska Sanitary Landfill	
	Location	Onalaska, Wisconsin	Date Issued: _/-30

Sample No.	Groundwater Elevation	pH Units	Conductivity umhos/cm	Chemical Oxygen Demand	Chloride	Total Hardness	Dissolved Iron	Nitrate Nitrogen	Sulfate
B1	643.92'	7.00	265	<10	<5	160	.10 *	<.10	<5
B2A	638.56'	7.25	1245	48	54	344	.10	<.10	<5
ВЗА	643.58'	7.40	710	15	34	376	.05	<.10	<5
B4	643.63	7.05	455	109	10	208	.25	<.10	10
B5	644.87	7.00	440	22	10	200	<.05	<.10	<5
Miller House		7.90	995	15	110	456	2.30	<.10	5
Miller Garden		8.20	305	<10	5	140	.35	<.10	6

All parameters are mg/l unless otherwise stated.

