

WARZYN

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1409 EMIL STREET, P.O. BOX 9538, MADISON, WIS. 53715 • TEL. (608) 257-4848

April 22, 1980
C 7606 W

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

Dear Mr. Pedretti:

Enclosed are the ^{First}~~second~~ quarter 1980 groundwater monitoring results for the Onalaska Sanitary Landfill. You will note that sulfates have been dropped from the list of parameters analyzed. Consistently low readings do not provide sufficient information to justify continuation of analyses for sulfate.

Samples from the monitoring wells and the Sportsman's Club were collected on March 12, 1980. Samples were not collected from the Miller home and garden. At the time of sampling, the landfill supervisor indicated to us that Mr. Miller did not want samples taken. We will continue to attempt to sample Mr. Miller's home and garden wells in future monitoring periods.

Well B2 which was damaged during landfilling was partially excavated and repaired while our field personnel were on-site. The well is not functional now.

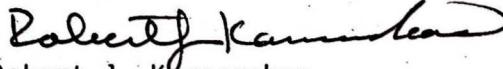
Groundwater elevations indicate a southerly direction of flow across Onalaska Sanitary Lanfill. Due to casing extensions at wells B2 and B2A, groundwater elevations are not shown. These wells will be surveyed in the near future to obtain top of casing elevations. Groundwater is generally one foot below the previous quarter's elevations. A decrease in water table elevations is typical of the late winter. Mr. Miller's home continues to be downgradient of the landfill.

The analytical results for this quarter are similar to those for previous sampling periods. Downgradient monitoring wells B2, B2-A, B3 and B4 continue to show elevated concentrations for most parameters when comparisons are made to background water quality in monitoring wells B1, B5, and the Sportsman's Club. All parameters except hardness at wells B3-A and B4, and chlorides at well B3-A are within the range of previous recorded concentrations. The slight increase in chloride and hardness above previous high levels at B3-A and B4 is not significant unless concentrations continue to rise in future quarters.

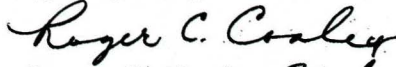
Overall hydrogeologic conditions remain similar to previous observations. If you have any questions concerning this report, please feel free to contact us.

Very truly yours,

WARZYN ENGINEERING INC.



Robert J. Karnauskas
Hydrogeologist



Roger C. Cooley *amh*
Project Manager

RJK/RCC/amh

encl: Analytical Data 3/12/80
Groundwater Map 3/12/80

cc: Mr. Chuck Goebel
DNR, Madison/encl.

✓ Mr. Jim Boettcher
DNR, LaCrosse/encl.

Mr. Jeff Miller
DNR, Eau Claire/encl.

Mr. Gene Mitchell
DNR, Madison/encl.



ANALYTICAL LABORATORY RESULTS

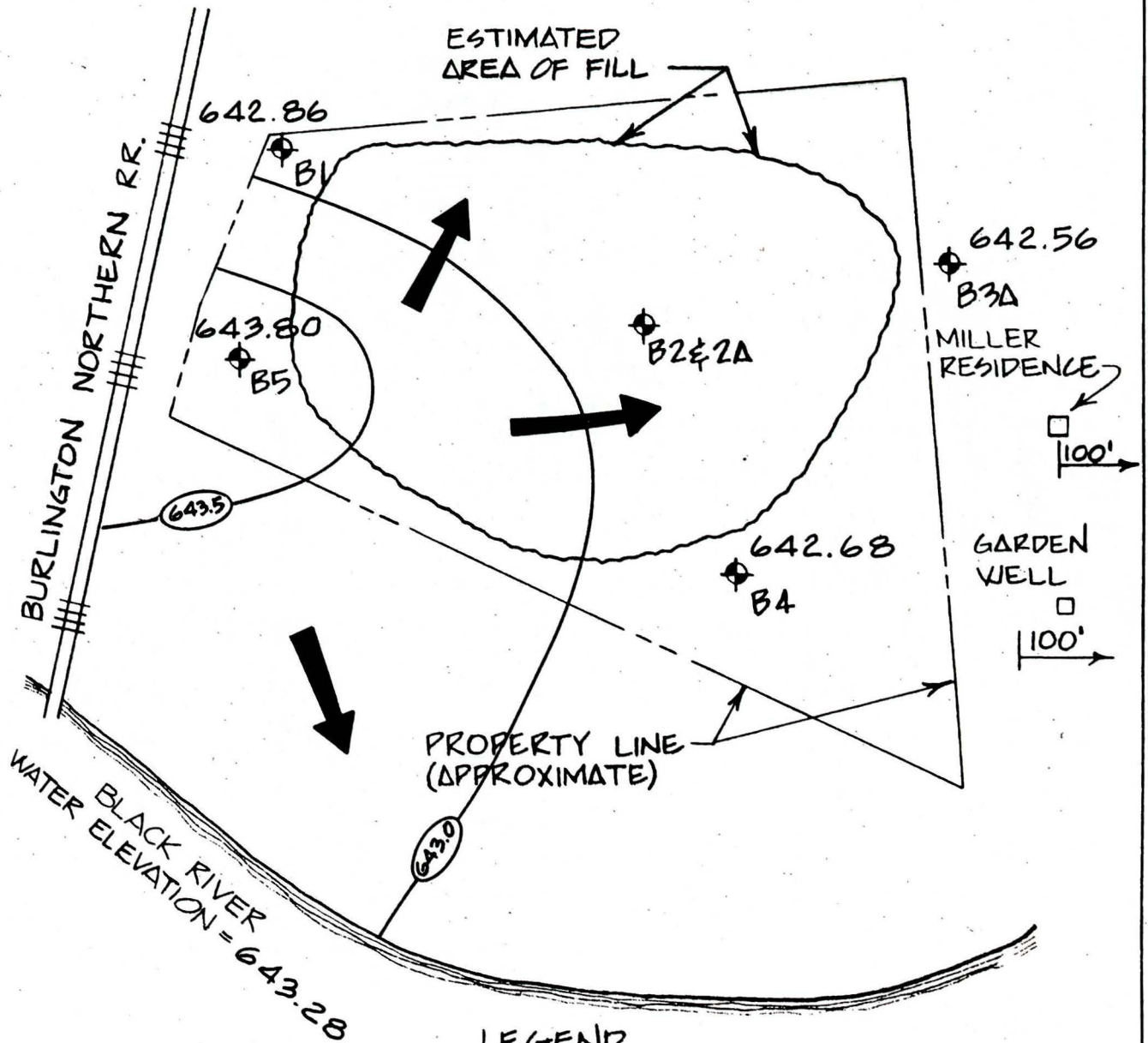
Project Onalaska Sanitary Landfill
 Location Onalaska, Wisconsin

Date Received: 3/12/80
 Project No: C 7606W
 Sheet 1 of 1
 Ckd OC App'd ROK
 Date Issued: 3/30/80

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<u>Sample No.</u>	<u>Groundwater Elevation</u>	<u>pH Units</u>	<u>Conductivity umhos/cm</u>	<u>Chemical Oxygen Demand</u>	<u>Chloride</u>	<u>Total Hardness</u>	<u>Dissolved Iron</u>
B1	642.86'	6.75	245	16	<5	120	< 0.05
B2	642.80'	6.75	1620	77	77	320	1.4
B2A	642.53'	7.15	1290	52	54	340	0.05
B3A	642.56'	7.20	840	32	36	420	<0.05
B4	642.68'	6.90	585	173	8	240	2.3
B5	643.80'	7.60	410	20	7	190	<0.05
Sportmans Club	-	7.60	250	12	<5	120	0.50

All parameters are mg/l unless otherwise stated.



LEGEND

- (640) — GROUNDWATER CONTOUR
- ← DIRECTION OF HORIZONTAL GROUNDWATER FLOW
- ⊕ B4 GROUNDWATER MONITORING WELL, NUMBER & ELEVATION

NORTH
 SCALE: 1" = 200'

	GROUNDWATER CONTOUR MAP 3-12-80 DATA		
	TOWN OF ONALASKA SANITARY LANDFILL ONALASKA, WISCONSIN		
DWN TDH	CHK'D CGK	APP'D <i>James A. Dan</i>	DATE 4-24-80
			C7606-A22