

5400 ALDRIN CT. BAKERSFIELD, CALIFORNIA 93313

General Engineering Contractor Class A/Haz License No. 520768

September 26, 1989

Gil Wistar Alameda County Department of Environmental Health 80 Swan Way, Rm. 200 Oakland, CA 94621

Re: Scotsman Corp., Dublin CA

Dear Mr. Wistar,

Pursuant to your letter dated March 28, 1989 requesting a monthly update on gradient determinations and water level data and bi-monthly groundwater sampling for the monitoring wells installed at the Scotsman Corp. facility, the following information has been submitted to your office for review.

Depth to groundwater measurements were recorded on August 30, 1989 and calculated to Mean Sea Level as follows:

MW-1	322.85 ft msl
MW-2	323.65 ft msl
MW-3	323.54 ft msl
MW-4	322.64 ft msl
MW-5	322.6 ft msl *
MW-6	322.65 ft msl
MW-7	323.0 ft msl *

^{*} Wells not surveyed, depths are approximations.

Calculations indicate the direction of the groundwater gradient to be 33 degrees west of south with a slope of approximately 3.4 feet per 1000 feet (see Plate 1).

Enclosed are the analysis results for the water sampled from the groundwater monitoring wells present at the site. The samples were analyzed for BTX&E, TPH, TDS and pH. The wells were bailed dry and allowed to recover to the static water level before sampling. The samples were sealed, labeled and chilled at 4 degrees Celsius then transferred under a Chain of Custody to a State Certified Laboratory for analysis.

Groundwater gradient measurements will continue to be recorded on a monthly basis as per your request.

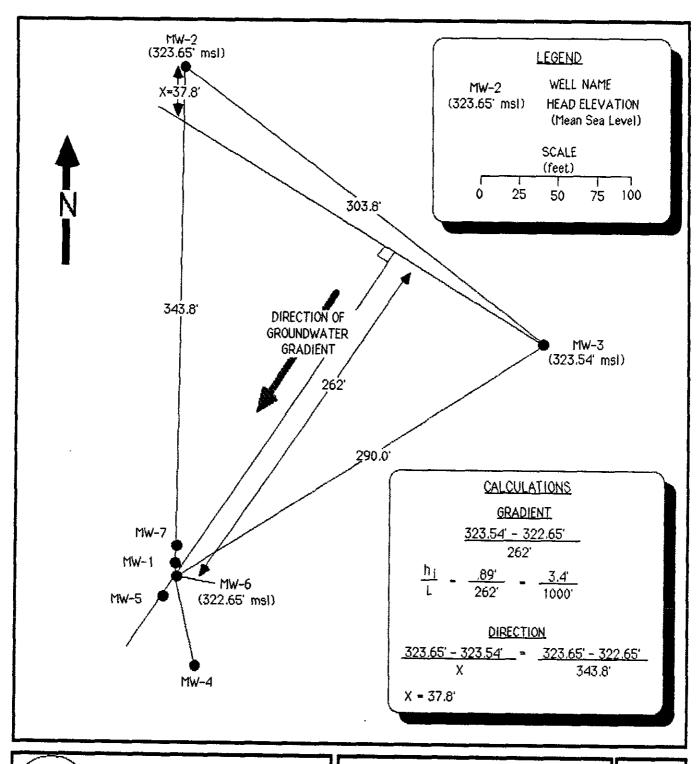
If you have further questions please give me a call at (805) 835-7700.

Sincerely,

Timothy C. Reed Project Geologist

Encl.

cc: Mr. Chris Ingram, Scotman Corporation





environmental/geotechnical services

Project Number: 55018

9-6-89

SCOTSMAN CORPORATION

DUBLIN, CALIFORNIA

SHALLOW GROUNDWATER GRADIENT MAP AUGUST 30, 1989 PLATE

1



Client Name: Groundwater Resources, Inc.

Address : 5400 Aldrin Court

Bakersfield, CA 93313

Date sample received : 9-01-89 Date analysis completed: 9-14-89 Date of report : 9-18-89

Laboratory No. 2370 through 2384 Project No. 55018

RESULTS OF ANALYSIS

		_	рН Т	DS, mg/L
#2370	ID:	MW-1A	7.38	0.668
#2371	ID:	MW-2A	7.02	4.76
#2372	ID:	MW-3A	7.44	2.06
#2373	ID:	MW-4A	7.20	6.66
#2374	ID:	MW-5A	7.05	3.05
#2375	ID:	MW-6A	7.30	0.935
#2376	ID:	MW-7A	8.03	0.890

Method of Analysis for pH: 150.1 Method of Analysis for TDS: 160.3 TDS = Total Dissolved Solids mg/L = milligrams per liter

Analytical Chemistry

SMC Laboratory

Client Name: Groundwater Resources, Inc.

Address : 5400 Aldrin Court

Bakersfield, CA 93313

Date samples received: 9-01-89
Date analysis completed: 9-14-89
Date of report: 9-18-89

Laboratory No. 2370 through 2384 Project No. 55018

RESULTS OF ANALYSIS

#2377 ID: MW-1B	ugm/L	MKL, ugm/r
••	1,100	0.5
Benzene		0.5
Toluene	2,100	
Ethylbenzene	1,800	0.5
	1,900	0.5
p-Xylene	1,800	0.5
m-Xylene	-	0.5
o-Xylene	1,400	
Isopropylbenzene	ND	0.5
Isobroblinenzene	79,000	50
TPH (Gasoline)	15,000	

#2378 ID: MW-2B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L ND ND ND ND ND ND ND	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5
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Method of Analysis: 5030/8020 MRL = Minimum Reporting Level TPH = Total Petroleum Hydrocarbons

ugm/L = micrograms per liter

ND = Not detected

Stan Comer

Laboratory No. 2370 through 2384 Project No. 55018

RESULTS OF ANALYSIS

#2379 ID: MW-3B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L ND ND ND ND ND ND	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5
#2380 ID: MW-4B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L ND ND ND ND ND ND ND	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5
#2381 ID: MW-5B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L 18 0.88 0.66 ND ND ND ND	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5

Laboratory No. 2370 through 2384 Project No. 55018

RESULTS OF ANALYSIS

#2382 ID: MW-6B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L 3,100 59 62 1,300 1,200 130 ND 6,800	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5
#2383 ID: MW-7B Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L ND ND ND ND ND ND ND	MRL,ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5
#2384 ID: Travel Blank Benzene Toluene Ethylbenzene p-Xylene m-Xylene o-Xylene Isopropylbenzene TPH (Gasoline)	ugm/L ND ND ND ND ND ND ND	MRL, ugm/L 0.5 0.5 0.5 0.5 0.5 0.5 0.5

Stan Comer



CHAIN OF CUSTODY RECORD

5610 District Bivd., Suite 106 Bakersfield, California 93313 (805) 835-7700 — Bakersfield (213) 724-3147 — Los Angeles

	SAMPLER SAMPLE NUMBER	SHO	nature)	COMP.	DEAB JATES		ROJECT NUMBER 55018 SAMPLE LOCATION	c	SAMPLE DANDITION UPON ECEIPT	EPA-602 (WATER)	BTX-TVH (GASOLINE)	OIL & GREASE (TDX) LEAD (WASTE OIL)	EPA 418.1 (DIESEL)	TPH (OIL & GREASE), BENZENE (DIESEL)		REMARKS (LAB *'S ETC.)
אכ	4W-1A	8-31-75	10:46		X	MW	-1	+			-		<u> </u>		-700	5 11
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	MW-3A	1,	9:30			My-		十							† 1	**
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	MU-SA		10:18			MW-S		T							J ₁	
75	HV-6A	11	10:30			MW-6									ŀ.	
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			10:35	_[MU-	2	<u>L</u> _							1	1
	4U-7B	·	/v:w	_		MW-	7	<u></u>	1				_[1	1
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CHAIN OF CUSTODY RECORD

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