



File; Western Microwave

P.O. Box 1630 Pleasanton CA 94566 (510) 462-8261 Fax: (510) 462-9726

ALFA ENVIRONMENTAL REMEDIATION SERVICES, INC.

January 30, 1997

Dr. Ibrahim Hefni
255 Woodside Drive
Woodside, CA 94062

Subject: Quarterly Groundwater Monitoring Report and NPDES Self-Monitoring Report - Fourth Quarter 1996
1271-1273 Reamwood Avenue
Sunnyvale, California

Dear Dr. Hefni:

At your request, we have prepared the subject Reports for the 1271-1273 Reamwood Avenue, Sunnyvale, California site. The NPDES report is required by the self-monitoring program of the NPDES general permit issued by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), on May 26, 1995 for the former Reamwood Avenue facility (Permit No. CAG912003; RWQCB Order No. 94-087). Copies of these reports should be sent to Mr. Stephen I. Morse and to Mr. Habte-Mariam Kifle at the RWQCB, to Mr. Tom Iwamura at the Santa Clara Valley Water District, to Mr. Lee Esquibel at the Santa Clara County Health Department, to Mr. Ben Gikis at the City of Sunnyvale Department of Public Safety, and to others on your mailing list.

We appreciate the opportunity to provide our consulting engineering and hydrogeologic services to Western Microwave. Please contact either of the undersigned if you have questions or require additional information.

Sincerely,

ALFA ENVIRONMENTAL REMEDIATION SERVICES, INC.

Valentin Constantinescu

Valentin Constantinescu, R.E.A.
Senior Environmental Geologist

VNC/MDK/avc
Enclosure

Marvin D. Kirkeby

Marvin D. Kirkeby, P.E.
Registered Civil Engineer



99576 CA 94566



Table 1: Summary of Analytical Results – Quarterly Monitoring Report
 Former Western Microwave, Inc. Facility
 1271 Reamwood Avenue, Sunnyvale, Santa Clara County
 Fourth Quarter 1996

Well No.	Analytical Method	PCE (ppb)	TCE (ppb)	Notes
MW-1	624	<5	6.3	
P1	624	400	53	
P2	624	780	130	
P3	624	72	79	
P5	624	<5	59	
B	624	<5	<5	

Note. All other chemicals analyzed using EPA Method 624 were below the laboratory detection limits
 ppb...parts per billion

Table 1: Summary of Analytical Results - NPDES Report
 Former Western Microwave, Inc. Facility
 1271 Reamwood Avenue, Sunnyvale, Santa Clara County

Sampling Date	Sample	Analytical Method	PCE (ppb)	TCE (ppb)	Chloroform (ppb)	Notes
10/31/95	Influent	601/602	190	200	120	1,4-DCB 8 ppb
	Effluent	601/602	<0.5	<0.5	<0.5	
11/30/95	Influent	601/602	470	350	110	
	Effluent	601/602	1.7	<0.5	<0.5	
12/27/95	Influent	601/602	260	350	55	
	Effluent	601/602	<0.5	<0.5	<0.5	
1/26/96	Influent	601/602	530	390	28	
	Effluent	601/602	<0.5	<0.5	<0.5	
2/29/96	Influent	601/602	330	240	120	
	Effluent	601/602	<0.5	<0.5	<0.5	
3/29/96	Influent	601/602	360	210	31	
	Effluent	601/602	<0.5	<0.5	<0.5	
4/30/96	Influent	601/602	240	310	26	
	Effluent	601/602	<0.5	<0.5	<0.5	
6/4/96	Influent	601/602	230	280	32	
	Effluent	601/602	1.7	4.9	<0.5	
7/1/96	Influent	601/602	230	190	1.9	
	Effluent	601/602	<0.5	<0.5	<0.5	
7/26/96	Influent	601/602	62	160	8.8	
	Effluent	601/602	<0.5	<0.5	<0.5	
8/28/96	Influent	601/602	100	130	12	
	Effluent	601/602	<0.5	<0.5	<0.5	
9/26/96	Influent	601/602	120	170	9.6	
	Effluent	601/602	<0.5	<0.5	<0.5	
10/31/96	Influent	601/602	130	210	17	
	Effluent	601/602	0.8	1.3	<0.5	
11/29/96	Influent	601/602	160	290	21	
	Effluent	601/602	1.4	2.9	0.6	
1/15/97	Influent	601/602	240	270	3.1	
	Effluent	601/602	2.2	4.7	<0.5	

Note: All other chemicals analyzed using EPA Methods 601 and 602 were below 0.5 ppb (laboratory detection limit)
 ppb ..parts per billion
 1,4-DCB ..1,4-Dichlorobenzene

Table 2: Summary of Sampling QA/QC
Former Western Microwave, Inc. Facility
1271 Reamwood Avenue, Sunnyvale, Santa Clara County
Fourth Quarter 1996

- Who performed sampling: ALFA Environmental Remediation Services, Inc., P.O. Box 1630, Pleasanton, CA 94566.
Contact person: Valentin Constantinescu, (510) 462-8261.
- Chain of custody forms completed for all samples: Yes
- Field parameters stabilize prior to taking sample: Yes
- Zero head space in sample containers: Yes
- Samples preserved according to analytical method: Yes
- Required field QA/QC samples taken: Yes

Table 3: Summary of Analytical QA/QC
Former Western Microwave, Inc. Facility
1271 Reamwood Avenue, Sunnyvale, Santa Clara County
Fourth Quarter 1996

- Who performed analysis: Priority Environmental Labs, 1764 Houret Court, Milpitas, CA 95035.
Contact person: David Duong, (408) 946-9636
and Entech Analytical Labs, Inc.,
525 Del Rey Avenue, Suite E, Sunnyvale, CA 94086.
Contact person: Michael Golden, (408) 735-1550
- Analytical methods used: 601, 602, and 624.
- Is the lab state-certified for the above analytical methods: Yes
- Analyses performed according to standard methods: Yes
- Samples holding time met: Yes
- Analytical results reported for all values above MDL: Yes
- QA/QC analyses run consistent with analytical methods: Yes
- QA/QC results meet all acceptance criteria: Yes
- QA/QC results and acceptance criteria on file: Yes