

May 6, 1999

ENVIRONMENTAL
PROTECTION
99 MAY 10 PM 3: 13

Mr. Larry Seto
ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL PROTECTION (LOP)
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: **Second Quarter Groundwater Monitoring/
Free Product Removal Progress
ARAMARK Uniform Services, Inc.
330 Chestnut Street, Oakland, California**

Dear Mr. Seto:

This letter summarizes groundwater monitoring activities conducted on April 7, 1999, at the above referenced facility by RMT, Inc., (RMT) during the second quarter 1999 period. A site plan showing the locations of the groundwater monitoring wells is presented in Attachment A.

Groundwater samples were not collected from monitoring well RAO-3 during the second quarter period due to the presence of free product. Approximately 5-mL of free product was recovered using the passive product recovery canister in well RAO-3. Since inception of free product collection activities (December 1992), approximately 2.44 gallons (9,227-ml) of free product have been recovered to date using the passive product recovery canister. A dilute solution (5-percent) of hydrogen peroxide was added to the well after product recovery operations were completed. A summary of product recovery operations is presented in Attachment B.

If you have any questions regarding this summary of activities, please feel free to contact me at (310) 645-6970 or Dave McKenzie at (312) 575-0200.

Sincerely,

RMT, Inc.



Tariq Ahmad
Technical Manager

Attachments Attachment A - Site Plan
Attachment B - Product Recovery Activities

cc: Phil Krejci, ARAMARK Uniform Services
Samuel J. Niemann, The Wetlands Company (2)
David B. McKenzie, RMI

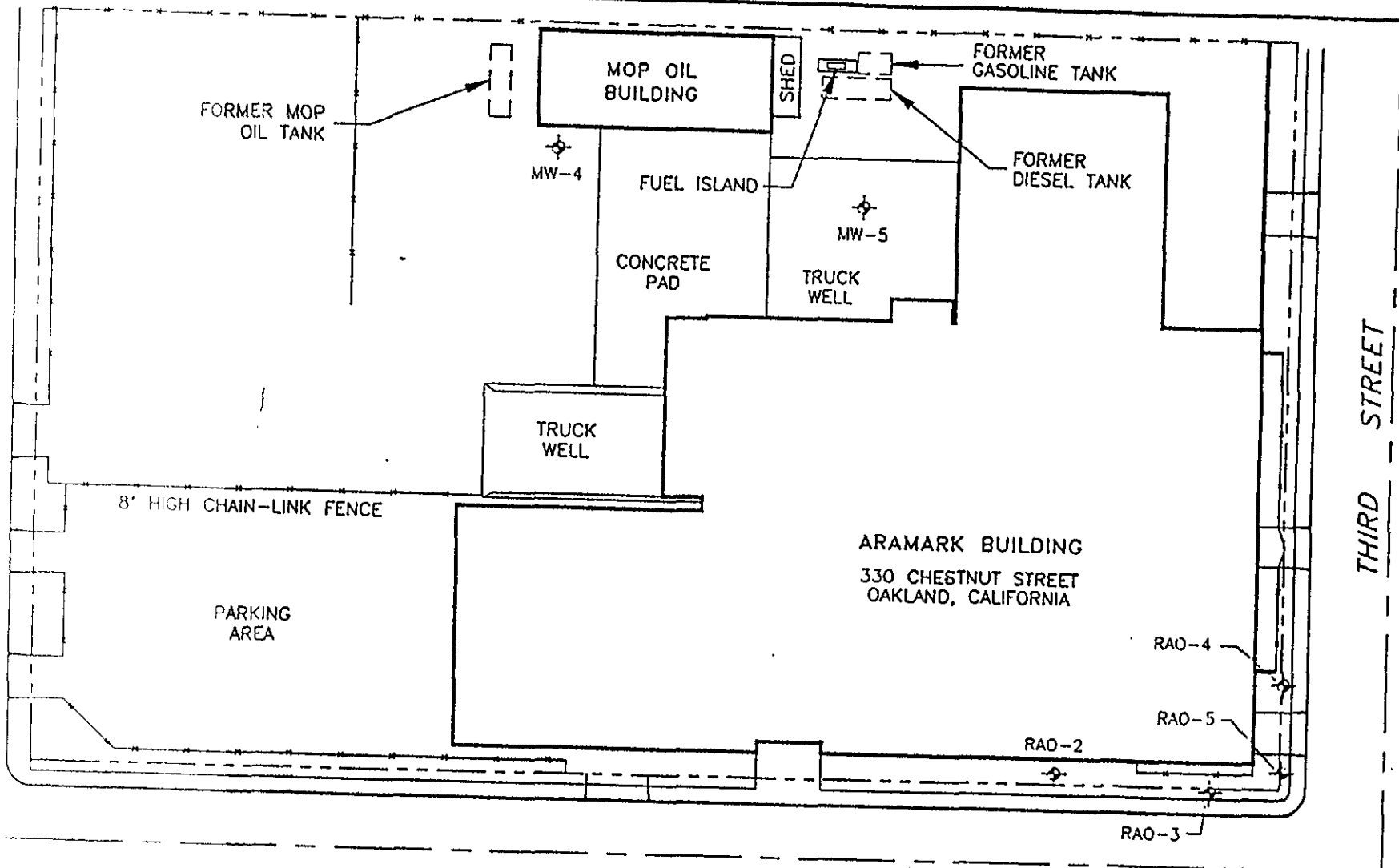
RMT, Inc.

6065 Bay Street, P.O. Box 2774
Claremont, CA 90230-6601
310/645 6970 310, 645-6971 FAX



ATTACHMENT A

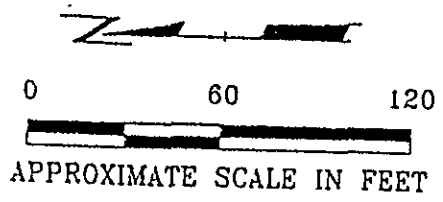
SITE PLAN




LEGEND:

 GROUNDWATER MONITORING WELL

CHESTNUT STREET



PROJECT:		
ARAMARK UNIFORM SERVICES OAKLAND, CALIFORNIA		
SHEET TITLE:		
SITE PLAN		
DRAWN BY: CRB	SCALE:	PROJ. NO. 12013.11
CHECKED BY:	1" = 60'-0"	FILE NO. 1102
APPROVED BY:	DATE PRINTED:	FIGURE 1
DATE: MAY 1995		
		RMT Inc. - Los Angeles Phone: 310/578-1241 4640 Admiralty Way Suite 301 Manna Del Rey, CA 90292

ATTACHMENT B
PRODUCT RECOVERY ACTIVITIES

Product Recovery Activities

Well RAO-3

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
12-03-92	0	20	8.65	8.67	0.02
12-04-92	0	0	8.61	8.63	0.02
12-08-92	18	0	8.52	8.52	0.00
12-09-92	10	0	8.24	8.24	0.00
12-10-92	0	3	8.02	8.02	0.00
12-14-92	30	200	8.28	8.29	0.01
12-15-92	0	0	8.32	8.32	0.00
12-16-92	0	0	8.52	8.52	0.00
12-18-92	18	0	8.63	8.66	0.03
12-21-92	10	0	8.39	8.42	0.03
12-22-92	20	30	8.56	8.58	0.02
12-23-92	18	0	8.35	8.37	0.02
12-24-92	22	0	8.42	8.53	0.11
12-28-92	15	0	8.53	8.64	0.01
12-29-92	20	0	8.58	8.60	0.02
12-30-92	18	0	8.22	8.24	0.02
01-04-93	23	18	8.45	8.47	0.02
01-05-93	12	0	8.28	8.30	0.02
01-06-93	10	0	8.05	8.48	0.43
01-07-93	8	0	8.64	8.66	0.02
01-08-93	3	10	8.36	8.37	0.01
01-11-93	8	0	8.02	8.16	0.14
01-12-93	13	8	7.68	8.06	0.38
01-13-93	45	0	7.64	8.04	0.40
01-14-93	40	0	8.00	8.32	0.32
01-15-93	40	0	7.98	8.30	0.32
01-18-93	48	0	8.00	8.11	0.11
01-19-93	50	0	8.00	8.22	0.22
01-20-93	44	0	8.00	8.02	0.02
01-21-93	5	40	7.84	8.00	0.16
01-22-93	450	42	7.74	7.98	0.24
02-04-93	25	500	7.99	8.45	0.46
03-25-93	380	70	8.11	8.20	0.09
04-09-93	500	18	8.11	8.20	0.09
04-23-93	210	60	7.49	7.51	0.02
05-03-93	560	90	8.54	8.58	0.04
05-11-93	38	114	8.35	8.45	0.10
05-20-93	1	0	8.39	8.42	0.03
06-02-93	5	65	8.37	8.41	0.04

**Product Recovery Activities
Well RAO-3**

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
06-18-93	100	0	8.46	8.57	0.14
07-09-93	150	0	8.20	8.25	0.05
11-11-93	40	80	7.98	7.91	0.07
12-10-93	20	25	8.62	8.59	0.03
01-29-94	0	0	8.76	8.76	0.00
03-10-94	0	0	8.63	8.63	0.00
05-03-94	1,976	658	8.93	9.15	0.22
06-17-94	6	565	8.85	8.85	0.00
06-21-94	1	540	8.50	8.52	0.02
06-28-94	5	400	8.69	8.71	0.01
07-08-94	26	500	8.61	8.61	0.00
07-14-94	0	400	8.73	8.73	0.00
07-20-94	20	500	8.60	8.62	0.02
07-26-94	60	560	8.68	8.71	0.03
08-02-94	21	500	8.46	8.50	0.04
08-12-94	30	640	7.74	7.79	0.05
08-18-94	0	550	9.24	9.24	0.00
08-25-94	0	550	8.78	8.78	0.00
08-31-94	0	550	8.74	8.74	0.00
09-09-94	150	375	7.74	7.76	0.02
09-15-94	0	525	8.93	8.93	0.00
09-22-94	5	305	8.97	8.99	0.02
09-30-94	0	420	8.86	8.86	0.00
10-07-94	0	550	8.74	8.74	0.00
10-14-94	0	520	8.80	8.80	0.00
10-21-94	0	520	8.88	8.88	0.00
10-28-94	0	525	8.90	8.90	0.00
11-04-94	0	550	8.00	8.00	0.00
11-09-94	0	520	7.99	7.99	0.00
11-18-94	80	430	8.05	8.15	0.10
11-25-94	130	300	8.00	7.99	0.01
11-30-94	30	260	7.94	7.95	0.01
12-09-94	30	480	8.03	8.07	0.04
12-16-94	30	120	7.96	7.99	0.03
12-22-94	20	500	8.06	8.09	0.03
12-29-94	80	360	7.71	7.73	0.02
01-06-95	25	500	7.57	7.60	0.03
01-13-95	50	70	7.55	7.54	0.01
01-20-95	5	510	7.53	7.54	0.01
01-26-95	30	500	7.38	7.41	0.03

Product Recovery Activities

Well RAO-3

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
01-31-95	30	320	7.47	7.48	0.01
02-09-95	20	210	7.63	7.63	0.00
02-14-95	20	175	7.62	7.64	0.02
02-24-95	30	310	7.85	7.89	0.04
03-03-95	20	340	7.75	7.78	0.03
03-09-95	30	510	7.31	7.34	0.03
03-17-95	10	510	7.28	7.29	0.01
03-24-95	15	485	7.23	7.24	0.01
03-31-95	15	475	7.47	7.48	0.01
04-07-95	35	285	7.61	7.62	0.01
04-14-95	20	280	7.68	7.69	0.01
04-21-95	20	290	7.75	7.73	0.02
04-28-95	40	420	7.65	7.68	0.03
05-06-95	20	360	7.70	7.71	0.01
05-12-95	20	390	7.70	7.70	0.00
05-19-95	10	370	7.90	7.90	0.00
05-26-95	10	380	7.80	7.80	0.00
06-02-95	0	240	7.86	7.86	0.00
06-09-95	0	330	7.80	7.80	0.00
06-16-95	0	170	7.87	7.87	0.00
06-23-95	0	300	7.99	7.99	0.00
06-30-95	0	300	7.88	7.88	0.00
07-07-95	0	280	7.82	7.82	0.00
07-14-95	0	290	7.86	7.86	0.00
07-21-95	0	540	7.90	7.90	0.00
07-28-95	0	500	7.92	7.92	0.00
08-04-95	0	480	7.86	7.86	0.00
08-11-95	0	530	7.88	7.88	0.00
08-18-95	0	520	7.86	7.86	0.00
08-25-95	0	500	7.90	7.90	0.00
09-05-95	0	310	8.15	8.15	0.00
09-12-95	0	400	8.10	8.10	0.00
09-19-95	0	390	8.20	8.20	0.00
09-26-95	0	380	8.25	8.25	0.00
10-03-95	0	385	8.15	8.15	0.00
10-10-95	0	230	8.42	8.42	0.00
10-17-95	0	240	8.39	8.39	0.00
10-24-95	0	250	8.40	8.40	0.00
10-31-95	0	255	8.44	8.44	0.00
11-07-95	0	260	8.42	8.42	0.00

Product Recovery Activities

Well RAO-3

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
11-14-95	0	400	8.43	8.43	0.00
11-21-95	0	420	8.48	8.48	0.00
11-28-95	0	480	8.50	8.50	0.00
12-05-95	0	400	8.55	8.55	0.00
12-15-95	0	550	8.40	8.40	0.00
12-22-95	0	490	8.36	8.36	0.00
12-29-95	0	570	7.85	7.85	0.00
01-05-96	0	560	7.82	7.82	0.00
01-12-96	0	480	7.52	7.52	0.00
01-19-96	0	460	7.54	7.54	0.00
01-26-96	0	450	7.53	7.53	0.00
02-01-96	400	1000	7.03	7.12	0.09
02-09-96	275	480	7.34	7.36	0.02
02-16-96	75	400	7.35	7.37	0.02
02-23-96	100	360	7.33	7.36	0.03
03-01-96	100	350	7.32	7.34	0.02
03-08-96	90	360	7.34	7.36	0.02
03-15-96	95	355	7.35	7.37	0.02
03-22-96	90	360	7.33	7.35	0.02
03-29-96	80	350	7.34	7.36	0.02
04-05-96	90	355	7.44	7.47	0.03
04-12-96	70	360	7.48	7.50	0.02
04-19-96	75	350	7.58	7.60	0.02
04-26-96	60	500	7.74	7.75	0.01
05-03-96	50	460	7.75	7.76	0.01
05-10-96	0	100	7.76	7.76	0
05-17-96	0	480	7.78	7.78	0
05-24-96	0	490	7.90	7.90	0
05-31-96	10	495	7.60	7.60	0
06-08-96	0	490	7.72	7.72	0
06-14-96	10	490	7.72	7.72	0
06-21-96	0	480	7.74	7.74	0
06-28-96	0	490	7.76	7.76	0
07-05-96	0	485	7.75	7.75	0
07-12-96	0	495	7.76	7.76	0
07-19-96	10	400	7.90	7.90	0
07-26-96	0	425	7.85	7.85	0
08-02-96	0	420	7.90	7.90	0
08-16-96	0	430	7.82	7.82	0
08-30-96	0	450	7.80	7.80	0

**Product Recovery Activities
Well RAO-3**

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
09-13-96	10	550	8.15	8.15	0
09-27-96	0	500	8.20	8.20	0
10-11-96	0	525	8.30	8.30	0
10-25-96	5	545	8.28	8.28	0
11-08-96	0	500	8.26	8.26	0
11-22-96	0	525	8.10	8.10	0
12-06-96	0	500	8.20	8.20	0
12-23-96	0	540	7.92	7.92	0
01-03-97	10	510	7.46	7.46	0
01-16-97	50	500	7.36	7.38	0.02
01-31-97	240	250	7.13	7.17	0.04
02-14-97	100	300	7.25	7.26	0.01
02-28-97	90	350	7.26	7.27	0.01
03-14-97	100	470	7.72	7.74	0.02
03-28-97	90	480	7.74	7.76	0.02
04-11-97	80	490	7.82	7.83	0.01
04-25-97	0	400	7.90	7.90	0
05-09-97	0	450	7.92	7.92	0
05-23-97	0	400	7.94	7.94	0
06-06-97	10	490	7.77	7.77	0
06-20-97	10	520	8.04	8.04	0
07-03-97	10	170	7.95	7.95	0
07-18-97	0	490	8.10	8.10	0
08-01-97	0	495	8.20	8.20	0
08-15-97	0	480	8.30	8.30	0
08-29-97	0	490	8.40	8.40	0
09-11-97	0	290	8.15	8.15	0
09-26-97	0	505	8.09	8.09	0
10-10-97	0	100	8.19	8.19	0
10-24-97	0	250	8.24	8.24	0
11-07-97	0	540	8.21	8.21	0
11-21-97	0	550	7.60	7.60	0
12-05-97	0	560	7.22	7.22	0
12-19-97	0	500	7.24	7.24	0
01-02-98	30	520	7.00	7.00	0
01-16-98	40	540	7.00	7.00	0
01-30-98	40	530	7.20	7.20	0
02-13-98	50	500	7.10	7.10	0
02-27-98	220	510	6.99	6.99	0
03-13-98	120	300	6.96	6.96	0

Product Recovery Activities

Well RAO-3

Sampling Date	Volume of Product Removed (mL)	Volume of Water Removed (mL)	Depth to Product (ft-bgs)	Depth to Water (ft-bgs)	Thickness of Product (ft)
07-06-98	10	520	7.20	7.20	0
07-24-98	5	495	7.30	7.30	0
08-07-98	0	300	7.40	7.40	0
08-21-98	0	250	7.45	7.45	0
09-04-98	0	100	7.46	7.46	0
09-18-98	0	300	7.44	7.44	0
10-12-98	0	370	7.75	7.75	0
10-16-98	0	220	7.40	7.40	0
10-30-98	0	240	7.60	7.60	0
11-13-98	0	250	7.62	7.62	0
11-27-98	0	260	7.61	7.61	0
12-11-98	0	210	7.90	7.90	0
12-28-98	0	100	8.16	8.16	0
01-11-99	0	100	8.36	8.36	0
01-25-99	0	240	8.60	8.60	0
02-09-99	0	210	8.18	8.18	0
02-26-99	0	320	8.19	8.19	0
03-12-99	0	460	8.00	8.00	0
03-26-99	0	500	7.80	7.80	0
04-07-99	5	510	7.84	7.84	0
Total to Date	9,227				