

March 27, 2001

Via FedEx Airbill No. 7915 1647 4672

Mr. Robert M. Senga
California Environmental Protection Agency
Department of Toxic Substances Control
Southern California Region
5796 Corporate Avenue
Cypress, California 90630

3279

**Re: Quarterly Progress Report
December 2000 through February 2001
Safety-Kleen Systems, Inc., Service Center
400 Market Street
Oakland, California
EPA ID No. CAD 053044053**

Dear Mr. Senga:

Safety-Kleen Systems, Inc. (Safety-Kleen) is submitting three copies of this Quarterly Progress Report for your review for the period of December 2000 through February 2001. This Quarterly Progress Report has been prepared in accordance with Section IV of the Hazardous Waste Facility Permit and presents the activities conducted during the first quarter 2001 (December through February). The Quarterly Progress Report is separated into two sections presented below: (1) activities performed during the first quarter 2001, and (2) activities to be performed during the second quarter 2001.

Activities Performed During First Quarter 2001 – December 2000 through February 2001

On January 15, 2001, all accessible monitoring wells were monitored for depth-to-water using a water-level indicator calibrated to 0.01-foot. The depth-to-water measurements were used with well survey data to prepare a groundwater potentiometric surface map (Attachment 1). Field data sheets that include depth-to-water measurements are provided in Attachment 2. Groundwater elevations and depth-to-water measurements for the January 15, 2001 event are presented in Attachment 3. The average water-table elevation was 2.26 feet above mean sea level (amsl), an increase of 0.32 feet since the October 2000 event, which is consistent with historical data.

As shown in Attachment 1, the on- and off-site groundwater flow direction remains to the south-southwest. The hydraulic gradient was 0.004 feet/foot (ft/ft) across the site as measured between monitoring wells MW-2 and MW-4. Flow direction and hydraulic gradient are consistent with previous data for the site. A summary of groundwater elevations since January 1993 is provided as Table 2 in Attachment 3.

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Activities To Be Performed During Second Quarter 2001 - March through May

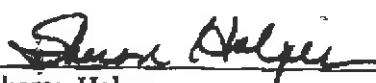
The following items will be completed during the second quarter 2001:

- Measure depth to groundwater in each of the site monitoring wells in April. If no sheen is present on the water table in the well, it will be sampled and analyzed for TPHs and for VOCs.
- Collect additional data to evaluate the effectiveness of the in-situ chemical oxidation pilot study.
- Prepare a quarterly progress report incorporating the sampling data from the April, 2001 sampling event.

If you have any questions or require additional information regarding this Quarterly Progress Report, please contact me at (707) 748-7507.

CERTIFICATION STATEMENT
Quarterly Progress Report
Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California
EPA ID No. CAD 053044053

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.



Sharon Halper
Remediation Project Manager - Western Region
Safety-Kleen Systems, Inc.

4/2/01

Date

Attachments

cc: Steven LuQuire, Safety-Kleen
Heather Collins, Safety-Kleen
Branch Environmental File (999)
Larry Seto, Alameda County Environmental Health Services
Loretta Barsamian, California Regional Water Quality Control Board
Greg Hoehn, SECOR International Incorporated

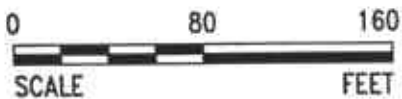
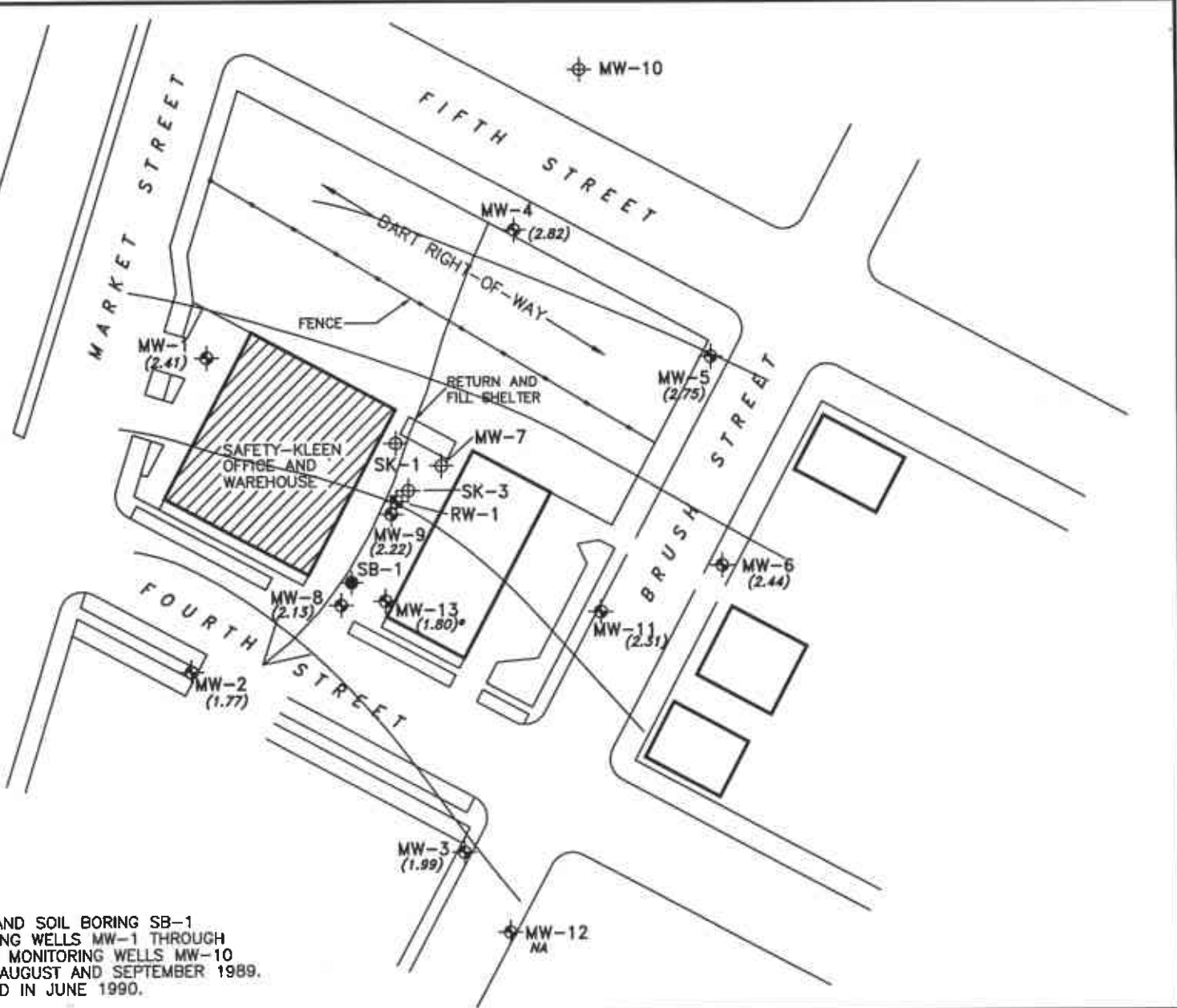
ATTACHMENT 1
GROUNDWATER POTENTIOMETRIC SURFACE MAP



LEGEND:

- ⊕ MW-1 MONITORING WELL
- ⊕ RW-1 EXTRACTION WELL
- ⊕ SK-1 MONITORING WELL (ABANDONED OR DESTROYED)
- ◆ SB-1 SOIL BORING
- 1.75 POTENTIOMETRIC SURFACE CONTOURS
- (2.16) POTENTIOMETRIC SURFACE ELEVATION
- WELL NOT USED IN CONTOURING
- NA NOT ACCESSABLE
- ← GROUNDWATER FLOW DIRECTION

NOTES: MONITORING WELLS SK-1 AND SK-3 AND SOIL BORING SB-1 WERE DRILLED IN MAY 1986. MONITORING WELLS MW-1 THROUGH MW-9 WERE INSTALLED IN JULY 1988. MONITORING WELLS MW-10 THROUGH MW-13 WERE INSTALLED IN AUGUST AND SEPTEMBER 1989. EXTRACTION WELL RW-1 WAS INSTALLED IN JUNE 1990.



SECOR
International
Incorporated

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JOB NO.	007.50914.002

FIGURE 1
SAFETY-KLEEN SERVICE CENTER
400 MARKET STREET
OAKLAND, CALIFORNIA
GROUNDWATER POTENTIOMETRIC SURFACE MAP
JANUARY 15, 2001

**ATTACHMENT 2
FIELD DATA SHEETS**

HYDROLOGIC DATA SHEET

SAFETY-KLEEN SYSTEMS, INC
 400 MARKET STREET
 OAKLAND, CALIFORNIA

PROJECT NO.: 007.50914

DATE: 1-15-01

START TIME: 11:30

END TIME: 13:00

WELL ID	Well Diameter (inches)	Top Of Casing Elevation (ft msl)	Depth To Water (feet)	Depth To Product (feet)	Product Thickness (feet)	Total Depth (feet)	Adjusted Groundwater Elevation (ft msl)
MW-1	2	7.99	5.58				
MW-2	2	8.20	6.43				
MW-3	2	6.66	4.67				
MW-4	2	10.32	7.50				
MW-5	2	10.28	7.53				
MW-6	2	8.97	6.53				
MW-8	2	7.80	5.67				
MW-9	4	8.21	5.99		sheen		
MW-11	2	7.91	5.60				
MW-12	2	6.74	car over well				
MW-13	4	8.08	6.28				
RW-1	10	-	5.13		sheen		

Notes:

**Table 1
Groundwater Monitoring Data
January 15, 2001**

**Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California**

Well I.D.	TOC Elevation (ft msl)	DTW (ft)	DTP (ft)	PT (ft)	Adjusted Elevation (ft msl)
MW-1	7.99	5.58	-	-	2.41
MW-2	8.20	6.43	-	-	1.77
MW-3	6.66	4.67	-	-	1.99
MW-4	10.32	7.50	-	-	2.82
MW-5	10.28	7.53	-	-	2.75
MW-6	8.97	6.53	-	-	2.44
MW-7*	-	-	-	-	-
MW-8	7.80	5.67	-	-	2.13
MW-9	8.21	5.99	-	Sheen	2.22
MW-10**	-	-	-	-	-
MW-11	7.91	5.60	-	-	2.31
MW-12	6.74	Car over well	-	-	-
MW-13	8.08	6.28	-	-	1.80
RW-1	-	5.13	-	Sheen	-

Notes:

* Well destroyed in May 1990.

** Well destroyed in July 1995.

TOC = Top-of-casing
 DTW = Depth-to-water
 DTP = Depth-to-product
 PT = Product thickness
 ft msl = Feet relative to mean sea level

Table 2
Historical Summary of Groundwater Elevations
(in feet relative to mean sea level)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
01/20/93	1.29	1.00	0.86	1.57	1.48	1.27	1.08	1.15	1.73	1.16	0.44	0.58
04/20/93	1.09	0.51	0.38	1.52	1.42	1.08	0.74	0.95	1.85	0.90	0.10	0.40
07/20/93	0.27	-0.23	-0.27	0.68	0.62	0.37	-0.01	-0.68	0.99	0.20	-0.72	-0.15
10/20/93	-0.02	-0.51	-0.66	0.32	0.17	-0.12	-0.35	0.14	0.62	-0.22	-0.91	-0.57
01/19/94	-0.01	-0.52	-0.77	0.33	0.48	-0.10	-0.37	-0.49	0.60	-0.14	-1.05	-0.65
04/20/94	0.55	0.05	-0.09	0.85	0.74	0.46	0.22	0.33	-	0.34	-0.76	-0.09
07/19/94	0.25	-0.20	-0.31	0.62	0.55	0.23	-0.03	0.08	0.90	0.09	-0.70	-0.22
10/19/94	0.08	-0.33	-0.44	0.41	0.38	0.12	-0.15	0.01	-	0.01	-0.59	-0.33
01/04/95	1.95	1.53	1.64	2.41	2.49	2.24	1.79	1.85	-	2.06	1.44	1.33
04/10/95	3.09	2.46	2.49	3.71	3.73	3.42	2.79	2.95	-	3.18	2.22	1.98
07/11/95	2.04	1.53	1.53	2.54	2.50	2.26	1.76	1.93	-	2.01	1.33	1.53
10/12/95	1.38	0.94	1.01	1.81	1.27	1.56	1.15	1.32	-	1.42	0.94	1.06
01/09/96	1.82	1.40	0.64	2.21	2.21	2.04	1.61	1.54	-	1.85	-	1.51
04/02/96	2.81	2.40	2.46	3.33	3.36	3.17	2.58	2.51	-	2.91	2.24	2.38
07/01/96	2.16	1.70	1.75	2.67	2.63	2.35	1.90	1.93	-	2.18	-	1.84

Table 2
Historical Summary of Groundwater Elevations
(in feet relative to mean sea level)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
11/01/96	1.09	0.70	0.75	1.47	1.47	1.18	0.90	0.86	-	-	-	0.78
01/17/97	2.89	2.39	2.58	3.48	3.52	3.34	2.70	2.57	-	-	-	2.50
04/10/97	2.43	1.89	1.99	2.92	2.86	2.53	2.18	2.19	-	2.45	1.71	1.99
07/17/97	1.70	1.19	1.25	2.15	2.12	1.86	1.44	1.29	-	-	1.12	1.35
10/08/97	1.40	0.94	0.97	1.79	1.76	1.51	1.16	1.35	-	-	0.84	1.06
01/12/98	3.02	2.99	3.12	3.45	3.49	3.34	2.89	2.63	-	3.15	2.50	2.48
04/13/98	3.92	3.20	3.43	4.77	4.50	4.17	3.63	3.91	-	3.91	3.08	3.37
07/21/98	2.79	2.15	2.13	3.37	3.37	3.05	2.50	2.71	-	2.85	2.21	2.35
10/12/98	2.28	1.68	1.79	2.97	2.90	2.55	2.04	1.47	-	2.33	1.72	1.93
01/22/99	2.30	1.78	2.06	2.81	2.82	2.51	2.10	1.88	-	2.41	1.71	1.76
04/14/99	3.15	2.49	2.78	3.75	3.75	3.49	2.86	3.01	-	3.24	2.33	2.59
07/06/99	2.21	1.64	1.76	2.72	2.72	2.40	1.94	1.41	-	2.24	1.71	1.81
10/08/99	1.81	1.27	1.35	2.35	2.26	1.98	1.57	1.75	-	1.80	1.21	1.44
02/23/00	3.37	2.84	2.76	3.99	3.44	3.66	3.08	3.29	-	3.41	--	2.74
04/26/00	3.27	2.52	2.63	3.90	3.81	3.44	2.95	3.12	-	3.23	2.43	2.60

Table 2
Historical Summary of Groundwater Elevations
(in feet relative to mean sea level)

Safety-Kleen Systems, Inc. Service Center
400 Market Street
Oakland, California

Date	Well Identification											
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13
07/24/00	2.62	--	2.06	3.17	3.08	2.74	2.28	2.44	-	2.57	--	2.16
10/12/00	2.16	1.54	1.58	2.59	2.48	2.16	1.79	1.97	-	2.01	1.35	1.74
01/15/01	2.41	1.77	1.99	2.82	2.75	2.44	2.13	2.22	-	2.31	--	1.80

Notes:

Groundwater elevations are in feet relative to mean sea-level datum.

- = Not measured