

ANNUAL REPORT

Prepared for

BLACK & DECKER (U.S.), INC.
Hampstead, Maryland

Prepared by

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W.O. No. 02501.004.003.0200

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1. INTRODUCTION

This Annual Report has been prepared to meet the requirements of Condition IV.L of the Administrative Consent Order between the State of Maryland Department of the Environment (MDE) and Black & Decker (U.S.) Inc. (April 1995) (Consent Order) and the Addendum to Administrative Consent Order dated 29 June 1995. Specifically, Condition IV.L calls for preparation of an Annual Report containing a summary of the information contained in the Discharge Monitoring Reports (Table 2-3), a summary of all analyses of water samples (Tables 2-4 to 2-7), an explanation of all problems encountered and the manner in which they were resolved (Table 3-1), a performance evaluation of the treatment system (Section 4), and recommendations for continuation of, or changes to, the treatment system (Section 5). This document is one of several that are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

2. SITE CHARACTERISTICS

2.1 HYDRAULIC PROPERTIES

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black & Decker (U.S.) Inc. Hampstead, Maryland, facility, the following pumping and water level information is included for the period of July 2000 through June 2001.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. Copies of the Withdrawal Reports, for the periods of July through December 2000 and January through June 2001, are included in Appendix A.

Water levels (Water Level Monitoring Report) for wells included in the water level monitoring plan are presented in Table 2-2. Based on the June 2001 water levels, a representative groundwater elevation contour map under pumping conditions is presented in Figure 2-1. At the time the data were collected, the extraction wells were pumping at a combined rate of approximately 158 gpm.

2.2 EFFLUENT CHARACTERISTICS

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of July 2000 through June 2001 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 2000 through June 2001, approximately 342 pounds (lb) of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs were comprised of trichloroethene (TCE) (77%), tetrachloroethene (PCE) (23%). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 2000 through June 2001 are included in Appendix C.

A summary of the analytical results of the groundwater samples collected from the monitor and extraction wells during the third and fourth quarters of 2000 and the first and second quarters of

Table 2-1
Treatment System Pumping Records
(July 2000 through June 2001)

Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2000	6,224,610
August 2000	6,093,586
September 2000	6,405,398
October 2000	6,446,345
November 2000	6,127,766
December 2000	5,761,130
January 2001	5,780,670
February 2001	5,217,969
March 2001	5,758,714
April 2001	5,801,966
May 2001	6,882,622
June 2001	6,380,611

Table 2-2
Groundwater Elevation Data (July 2000 through June 2001)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	7/28/00		8/07/00		9/29/00		10/25/00	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	106.00	743.21	106.00	743.21	106.00	743.21	106.00	743.21
EW-3	846.64	118	91.36	755.28	90.26	756.38	90.81	755.83	87.69	758.95
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	86.43	777.74	87.26	776.91	87.95	776.22	89.43	774.74
EW-6	831.98	115	57.78	774.20	57.87	774.11	58.43	773.55	58.26	773.72
EW-7	818.38	78	51.70	766.68	50.98	767.40	50.65	767.73	49.41	768.97
EW-8	811.13	98	74.51	736.62	75.02	736.11	74.89	736.24	69.42	741.71
EW-9	811.35	141	101.84	709.51	102.00	709.35	101.50	709.85	97.52	713.83
EW-10	807.74	NA	56.83	750.91	56.43	751.31	56.39	751.35	53.48	754.26
RFW-1A	864.37	78	50.43	813.94	50.85	813.52	52.61	811.76	52.68	811.69
RFW-1B	864.23	200	50.46	813.77	50.87	813.36	52.64	811.59	52.69	811.54
RFW-2A	857.41	35	13.97	843.44	15.21	842.20	15.84	841.57	16.00	841.41
RFW-2B	857.73	75	14.34	843.39	15.89	841.84	16.36	841.37	16.29	841.44
RFW-3B	839.21	153	30.84	808.37	32.58	806.63	35.03	804.18	35.37	803.84
RFW-4A	830.37	62	36.76	793.61	36.45	793.92	37.27	793.10	37.83	792.54
RFW-4B	830.37	120	36.71	793.66	36.33	794.04	37.14	793.23	37.70	792.67
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.63	783.41	2.71	782.33	2.13	782.91	2.47	782.57
RFW-7	805.14	29	7.11	798.03	6.84	798.30	6.89	798.25	6.94	798.20
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.32	835.70	26.67	835.35	27.38	834.64	27.36	834.66
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	70.22	779.10	70.12	779.20	71.56	777.76	NA	--
RFW-11B	849.62	116	77.12	772.50	77.62	772.00	78.56	771.06	78.50	771.12
RFW-12B	844.87	264	54.73	790.14	54.12	790.75	78.58	766.29	56.21	788.66
RFW-13	849.11	150	60.89	788.22	59.24	789.87	56.00	793.11	63.34	785.77
RFW-14B	812.39	281	47.13	765.26	46.97	765.42	63.31	749.08	50.01	762.38
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	27.17	807.49	28.90	805.76	29.02	805.64	29.08	805.58
RFW-20	842.29	142	33.88	808.41	36.08	806.21	37.21	805.08	37.43	804.86
RFW-21	832.65	102	21.23	811.42	22.04	810.61	22.85	809.80	23.13	809.52
PH-7	805.94	89	26.51	779.43	29.43	776.51	36.27	769.67	36.21	769.73
PH-9	814.94	98	36.43	778.51	38.65	776.29	43.22	771.72	43.24	771.70
PH-11	820.68	78	39.28	781.40	40.08	780.60	37.83	782.85	37.67	783.01
PH-12	828.35	87	46.11	782.24	47.24	781.11	47.07	781.28	47.81	780.54
B-3	803.02	83	6.67	796.35	6.98	796.04	6.98	796.04	6.47	796.55
Amoco	842.29	NA	28.41	813.88	28.64	813.65	28.64	813.65	28.57	813.72
Hamp. Town #22	NA	NA	1.24	--	0.73	--	0.73	--	0.73	--
Pembroke #1	NA	NA	11.71	--	11.43	--	11.43	--	11.84	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	10.12	--	10.87	--	10.87	--	9.95	--
E. Century St.	NA	NA	11.26	--	11.24	--	11.24	--	11.18	--
Lwr. Beckleys. Rd.	NA	NA	55.71	--	55.83	--	55.83	--	56.17	--

Notes: DTW - Depth to water (ft below top of well casing)
ELEV - Groundwater elevation (ft above mean sea level)
NA - Not Available/Not Accessible

Table 2-2 (Continued)
Groundwater Elevation Data (July 2000 through June 2001)
Black & Decker
Hampstead, Maryland

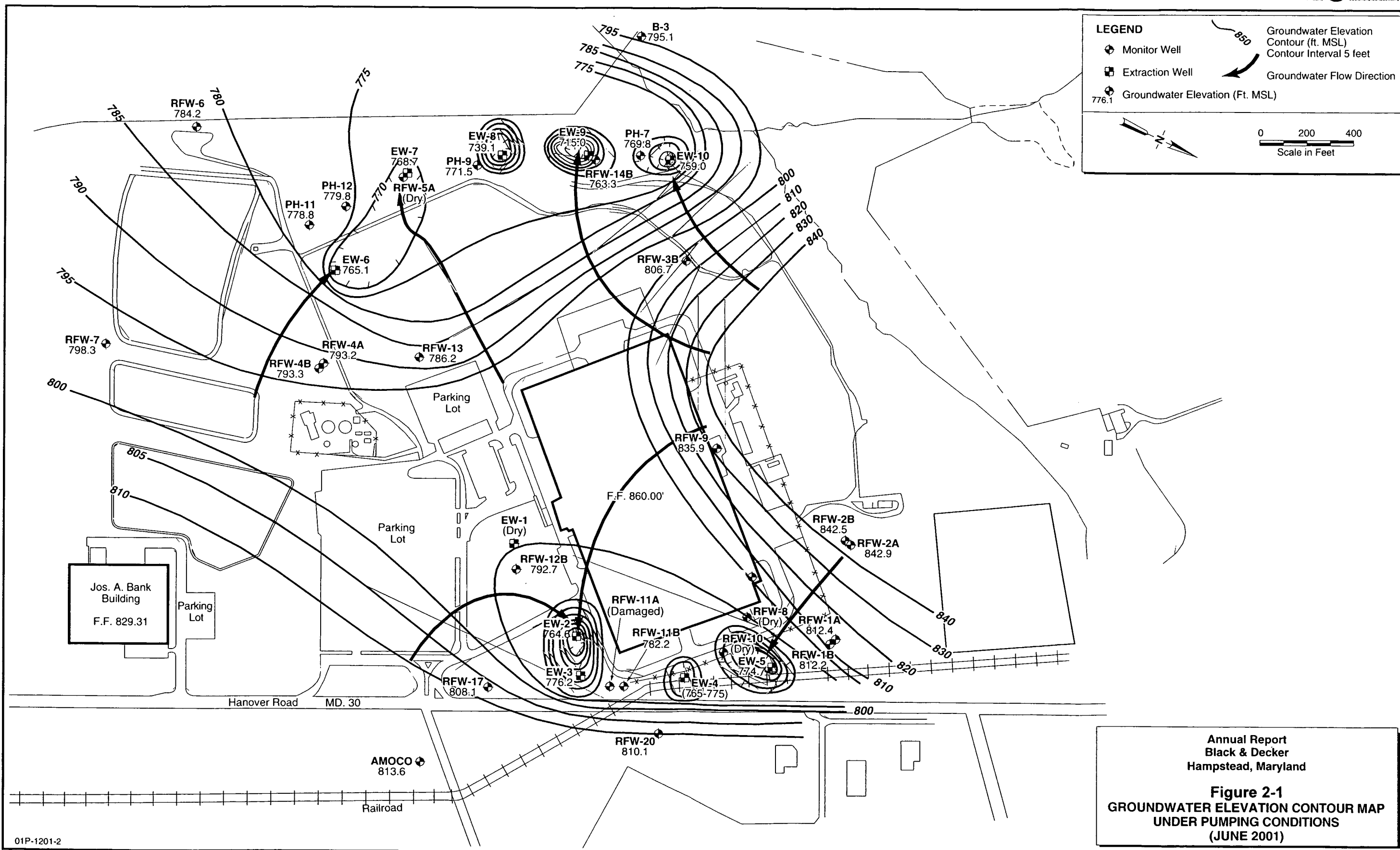
WELL NO.	TOC ELEV	TOTAL DEPTH	11/20/00		12/19/00		1/31/01		2/13/01	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	106.00	743.21	106.00	743.21	91.49	757.72	83.23	765.98
EW-3	846.64	118	84.54	762.10	85.34	761.30	76.43	770.21	83.97	762.67
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	88.15	776.02	88.23	775.94	85.84	778.33	87.95	776.22
EW-6	831.98	115	57.21	774.77	57.35	774.63	48.36	783.62	59.02	772.96
EW-7	818.38	78	47.32	771.06	48.46	769.92	53.21	765.17	50.14	768.24
EW-8	811.13	98	69.37	741.76	70.10	741.03	80.43	730.70	78.17	732.96
EW-9	811.35	141	98.01	713.34	98.62	712.73	102.00	709.35	100.35	711.00
EW-10	807.74	NA	53.86	753.88	53.79	753.95	53.41	754.33	53.85	753.89
RFW-1A	864.37	78	52.71	811.66	52.46	811.91	53.07	811.30	53.58	810.79
RFW-1B	864.23	200	52.75	811.48	52.61	811.62	53.09	811.14	53.64	810.59
RFW-2A	857.41	35	16.69	840.72	16.83	840.58	14.89	842.52	16.17	841.24
RFW-2B	857.73	75	18.43	839.30	18.57	839.16	15.20	842.53	16.80	840.93
RFW-3B	839.21	153	36.02	803.19	36.23	802.98	34.61	804.60	36.13	803.08
RFW-4A	830.37	62	38.81	791.56	38.93	791.44	38.91	791.46	38.51	791.86
RFW-4B	830.37	120	38.62	791.75	38.78	791.59	38.84	791.53	38.35	792.02
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	4.52	780.52	0.99	784.05	1.83	783.21	3.06	781.98
RFW-7	805.14	29	8.88	796.26	7.21	797.93	6.78	798.36	7.01	798.13
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	27.33	834.69	27.56	834.46	27.13	834.89	26.92	835.10
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	NA	--	NA	--	NA	--	NA	--
RFW-11B	849.62	116	77.17	772.45	78.24	771.38	72.68	776.94	64.36	785.26
RFW-12B	844.87	264	54.84	790.03	56.69	788.18	56.11	788.76	53.99	790.88
RFW-13	849.11	150	62.47	786.64	63.25	785.86	63.81	785.30	63.91	785.20
RFW-14B	812.39	281	45.26	767.13	45.49	766.90	48.88	763.51	48.73	763.66
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	28.98	805.68	29.34	805.32	28.47	806.19	28.73	805.93
RFW-20	842.29	142	36.83	805.46	36.92	805.37	36.89	805.40	36.46	805.83
RFW-21	832.65	102	23.08	809.57	23.21	809.44	22.84	809.81	22.80	809.85
PH-7	805.94	89	35.56	770.38	35.63	770.31	35.89	770.05	35.63	770.31
PH-9	814.94	98	41.67	773.27	41.90	773.04	43.28	771.66	24.36	790.58
PH-11	820.68	78	40.82	779.86	41.11	779.57	37.97	782.71	39.87	780.81
PH-12	828.35	87	47.83	780.52	48.01	780.34	47.43	780.92	47.79	780.56
B-3	803.02	83	6.87	796.15	7.35	795.67	6.84	796.18	6.92	796.10
Amoco	842.29	NA	25.87	816.42	26.52	815.77	28.13	814.16	28.04	814.25
Hamp. Town #22	NA	NA	1.23	--	1.21	--	--	--	0.97	--
Pembroke #1	NA	NA	10.94	--	11.08	--	11.43	--	12.11	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.83	--	9.87	--	9.67	--	10.27	--
E. Century St.	NA	NA	11.12	--	11.19	--	11.21	--	11.19	--
Lwr. Beckleys. Rd.	NA	NA	56.23	--	56.35	--	55.91	--	55.88	--

Notes: DTW - Depth to water (ft below top of well casing)
ELEV - Groundwater elevation (ft above mean sea level)
NA - Not Available/Not Accessible

Table 2-2 (Continued)
Groundwater Elevation Data (July 2000 through June 2001)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	3/16/01		4/25/01		5/15/01		6/12/01	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	--	DRY	--	DRY	--	DRY	--
EW-2	849.21	110	94.24	754.97	91.88	757.33	84.65	764.56	87.43	761.78
EW-3	846.64	118	58.04	788.60	57.50	789.14	70.46	776.18	75.24	771.40
EW-4	858.01	97.5	--	--	--	--	--	--	--	--
EW-5	864.17	98	88.17	776.00	89.31	774.86	89.61	774.56	89.43	774.74
EW-6	831.98	115	61.20	770.78	60.28	771.70	66.85	765.13	64.89	767.09
EW-7	818.38	78	51.67	766.71	51.77	766.61	49.72	768.66	50.41	767.97
EW-8	811.13	98	79.34	731.79	79.37	731.76	72.02	739.11	73.06	738.07
EW-9	811.35	141	102.00	709.35	98.97	712.38	96.35	715.00	97.48	713.87
EW-10	807.74	NA	54.63	753.11	54.49	753.25	48.75	758.99	49.79	757.95
RFW-1A	864.37	78	53.35	811.02	53.63	810.74	51.89	812.48	52.02	812.35
RFW-1B	864.23	200	53.36	810.87	53.65	810.58	51.96	812.27	52.08	812.15
RFW-2A	857.41	35	16.73	840.68	15.83	841.58	14.54	842.87	14.55	842.86
RFW-2B	857.73	75	17.21	840.52	16.07	841.66	15.23	842.50	15.20	842.53
RFW-3B	839.21	153	36.89	802.32	36.21	803.00	32.59	806.62	32.52	806.69
RFW-4A	830.37	62	38.26	792.11	38.37	792.00	37.29	793.08	37.19	793.18
RFW-4B	830.37	120	38.12	792.25	38.26	792.11	37.11	793.26	37.06	793.31
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.26	783.78	1.92	783.12	3.84	781.20	0.89	784.15
RFW-7	805.14	29	7.87	797.27	7.04	798.10	7.41	797.73	6.87	798.27
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.57	835.45	26.74	835.28	27.96	834.06	26.09	835.93
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	NA	--	NA	--	NA	--	NA	--
RFW-11B	849.62	116	66.62	783.00	65.41	784.21	67.29	782.33	67.41	782.21
RFW-12B	844.87	264	54.43	790.44	54.17	790.70	51.28	793.59	53.19	792.74
RFW-13	849.11	150	64.41	784.70	63.74	785.37	63.31	785.80	62.96	786.15
RFW-14B	812.39	281	50.11	762.28	48.78	763.61	46.94	765.45	49.11	763.28
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	28.99	805.67	28.74	805.92	25.79	808.87	26.57	808.09
RFW-20	842.29	142	36.38	805.91	34.51	807.78	33.82	808.47	34.54	810.08
RFW-21	832.65	102	22.61	810.04	22.04	810.61	21.21	811.44	21.26	813.57
PH-7	805.94	89	36.84	769.10	36.23	769.71	35.87	770.07	36.12	769.82
PH-9	814.94	98	42.87	772.07	44.45	770.49	43.49	771.45	43.41	771.53
PH-11	820.68	78	39.21	781.47	40.21	780.47	42.04	778.64	41.86	778.82
PH-12	828.35	87	47.83	780.52	47.86	780.49	48.64	779.71	48.59	779.76
B-3	803.02	83	7.43	795.59	6.99	796.03	7.27	795.75	7.93	795.09
Amoco	842.29	NA	28.94	813.35	28.83	--	28.73	813.56	28.69	813.60
Hamp. Town #22	NA	NA	0.73	--	0.89	--	0.81	--	--	--
Pembroke #1	NA	NA	11.38	--	11.59	--	11.87	--	10.86	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.86	--	10.08	--	10.15	--	9.74	--
E. Century St.	NA	NA	11.16	--	11.19	--	11.17	--	--	--
Lwr. Beckleys. Rd.	NA	NA	56.14	--	56.27	--	55.89	--	55.89	--

Notes: DTW - Depth to water (ft below top of well casing)
ELEV - Groundwater elevation (ft above mean sea level)
NA - Not Available/Not Accessible



Annual Report
Black & Decker
Hampstead, Maryland

Figure 2-1
GROUNDWATER ELEVATION CONTOUR MAP
UNDER PUMPING CONDITIONS
(JUNE 2001)

Table 2-3
Effluent Characteristics Summary (July 2000 through June 2001)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	
001	FLOW	average	MGD	NA	0.202	0.212	0.212	0.184	0.096	0.082
		maximum	MGD	NA	0.940	0.822	0.822	0.258	0.115	0.140
	1,1,1-Trichloroethane	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Trichloroethylene	ug/l	5	< 5	< 5	< 5	< 5	< 5	< 5	
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	Oil & Grease	maximum	mg/l	15	< 5	< 5	< 5	< 5	< 5	< 5
		quarterly average	mg/l	10	NR	NR	<0.5	NR	NR	< 5
	pH	minimum	STD	6.0	6.31	6.83	6.83	6.35	7.05	6.86
		maximum	STD	8.5	8.40	7.80	7.80	8.34	7.40	7.63
	BOD	mg/l	15	3	2	2	3	3	3	4
TSS	maximum	mg/l	30	11	12	12	10	8	11	
	quarterly average	mg/l	20	NR	NR	NR	NR	NR	10	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.225	0.241	0.241	0.252	0.251	0.195
		maximum	MGD	NA	0.247	0.263	0.263	0.307	0.305	0.222
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.200	0.197	0.197	0.208	0.204	0.186
		maximum	MGD	NA	0.208	0.234	0.234	0.249	0.214	0.225
	1,1,1-Trichloroethane	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	
	Tetrachloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	
	Trichloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	

DMR - Discharge Monitoring Report
NA - Not Applicable
NR - Not Reported

Table 2-3 (Continued)
 Effluent Characteristics Summary (July 2000 through June 2001)
 Black & Decker
 Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 2001	February 2001	March 2001	April 2001	May 2001	June 2001	
001	FLOW	average	MGD	NA	0.160	0.207	0.254	0.237	0.090	0.381
		maximum	MGD	NA	0.262	0.558	0.644	0.416	0.100	1.546
	1,1,1-Trichloroethane	ug/l	5	<5	<5	<5	<5	<5	<5	<5
	Tetrachloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<5
	Trichloroethylene	ug/l	5	<5	<5	<5	<5	<5	<5	<5
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Oil & Grease	maximum	mg/l	15	<5	<5	<5	<5	<5	<5
		quarterly average	mg/l	10	NR	NR	<5	<5	NR	<5
	pH	minimum	STD	6.0	6.15	6.14	6.40	6.68	6.91	6.98
		maximum	STD	8.5	8.14	8.02	7.39	8.26	7.31	8.36
	BOD	mg/l	15	2.9	2.9	2.8	2.2	6	4.9	
	TSS	maximum	mg/l	30	5.5	2	2.9	4.8	5	8
quarterly average		mg/l	20	NR	NR	3.5	NR	NR	14	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.225	0.288	0.277	0.391	0.444	0.423
		maximum	MGD	NA	0.256	0.295	0.296	0.437	0.496	0.470
	Fecal Coliform	MPN/100ml	200	<2	<2	<2	<2	<2	<2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.186	0.186	0.186	0.193	0.222	0.213
		maximum	MGD	NA	0.211	0.215	0.210	0.237	0.261	0.246
	1,1,1-Trichloroethane	ug/l	NA	<5	<5	<5	<5	<5	<5	
	Tetrachloroethylene	ug/l	NA	<5	<5	<5	<5	<5	<5	
	Trichloroethylene	ug/l	NA	<5	<5	<5	<5	<5	<5	

DMR - Discharge Monitoring Report
 NA - Not Applicable
 NR - Not Reported

2000 are included in Tables 2-4, 2-5, 2-6, and 2-7, respectively. As found in earlier sampling events at the Black & Decker facility, TCE and PCE were the VOCs detected at the highest concentrations in the groundwater samples. The highest concentrations of TCE were detected in the groundwater samples collected from wells EW-2 and RFW-12B and the highest concentrations of PCE were detected in the groundwater samples collected from well EW-9. VOCs detected at lower concentrations included 1,2-dichloroethene and 1,1,1-trichloroethane. The remainder of VOCs present were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2001 (May 2001) analytical data package is included in Appendix D. Analytical data packages for the remaining quarters are included in the respective Quarterly Groundwater Monitoring Reports.

Table 2-4

Summary of Groundwater Analytical Results - August 2000
Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-9 (DUP)	EW-10	RFW-1A	RFW-1B	RFW-2A
			(20)	(5)	(10)	(10)			(1)	(5)	(5)				
Chloromethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	290 B	42 B	140 B	79 B	5 B	NS	5 B	34 B	39 B	6 B	10 B	11 B	6 B
Acetone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 B	10 U
Carbon Disulfide	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	2 J	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	25 U	50 U	50 U	1 J	NS	34	7 J	6 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	50 U	11 J	5 U	NS	1 J	25 U	25 U	5 U	5 U	5 U	1 J
Carbon Tetrachloride	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1800	530	950	780	23	NS	23	11 J	10 J	5 U	5 U	5 U	6
Dibromochloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	1 J	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	2 J	10 U	10 U
2-Hexanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	NS	10 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	130	18 J	47 J	39 J	65	NS	170	590	560	20	5 U	1 J	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	25 U	50 U	50 U	5 U	NS	5 U	25 U	25 U	5 U	5 U	5 U	5 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.

J = Indicates an estimated value.

B = Indicates that the analyte was found in the associated blank as well as in the sample.

DUP = Duplicate sample

NS = Not sampled

(2.5) = Dilution factor.

Table 2-4

Summary of Groundwater Analytical Results - August 2000
Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (10)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Methylene Chloride	ug/L	11 B	6 B	6 B	11 B	10 B	NS	6 B	9 B	NS	9 B	NS	11 B	10 B	70 B
Acetone	ug/L	13 B	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,1-Dichloroethene	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	5 U	50 U
1,1-Dichloroethane	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloroethene (total)	ug/L	5 U	30	3 J	3 J	8	NS	2 J	1 J	NS	6	NS	5 U	5 U	50 U
Chloroform	ug/L	5 U	5 U	2 J	2 J	1 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloroethane	ug/L	1 J	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
2-Butanone	ug/L	7 J	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Trichloroethene	ug/L	2 J	23	78	82	21	NS	13	22	NS	30	NS	47	140	2200
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Benzene	ug/L	5 U	5 U	2 J	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	100 U
Tetrachloroethene	ug/L	5 U	24	91	94	90	NS	13	1 J	NS	6	NS	2 J	4 J	100
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	50 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.

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