

ANNUAL REPORT

Prepared for

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

Hampstead, Maryland

July 2005

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

W.O. No. 02501.004.004.0200

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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 2004 through June 2005.

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 2004 and January through June 2005, 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 2005 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 170 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 2004 through June 2005 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 2004 through June 2005, approximately 160 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) (71 %), tetrachloroethene (PCE) (29 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 2004 through June 2005 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 2004 and the first and second quarters of

Table 2-1
Treatment System Pumping Records
(July 2004 through June 2005)

Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2004	7,606,174
August 2004	7,910,174
September 2004	7,298,624
October 2004	7,650,322
November 2004	7,162,739
December 2004	7,427,771
January 2005	7,326,458
February 2005	6,437,800
March 2005	7,353,275
April 2005	7,255,765
May 2005	7,340,251
June 2005	7,095,031

Table 2-2
Groundwater Elevation Data (July 2004 through June 2005)
Black & Decker
Hampstead, Maryland

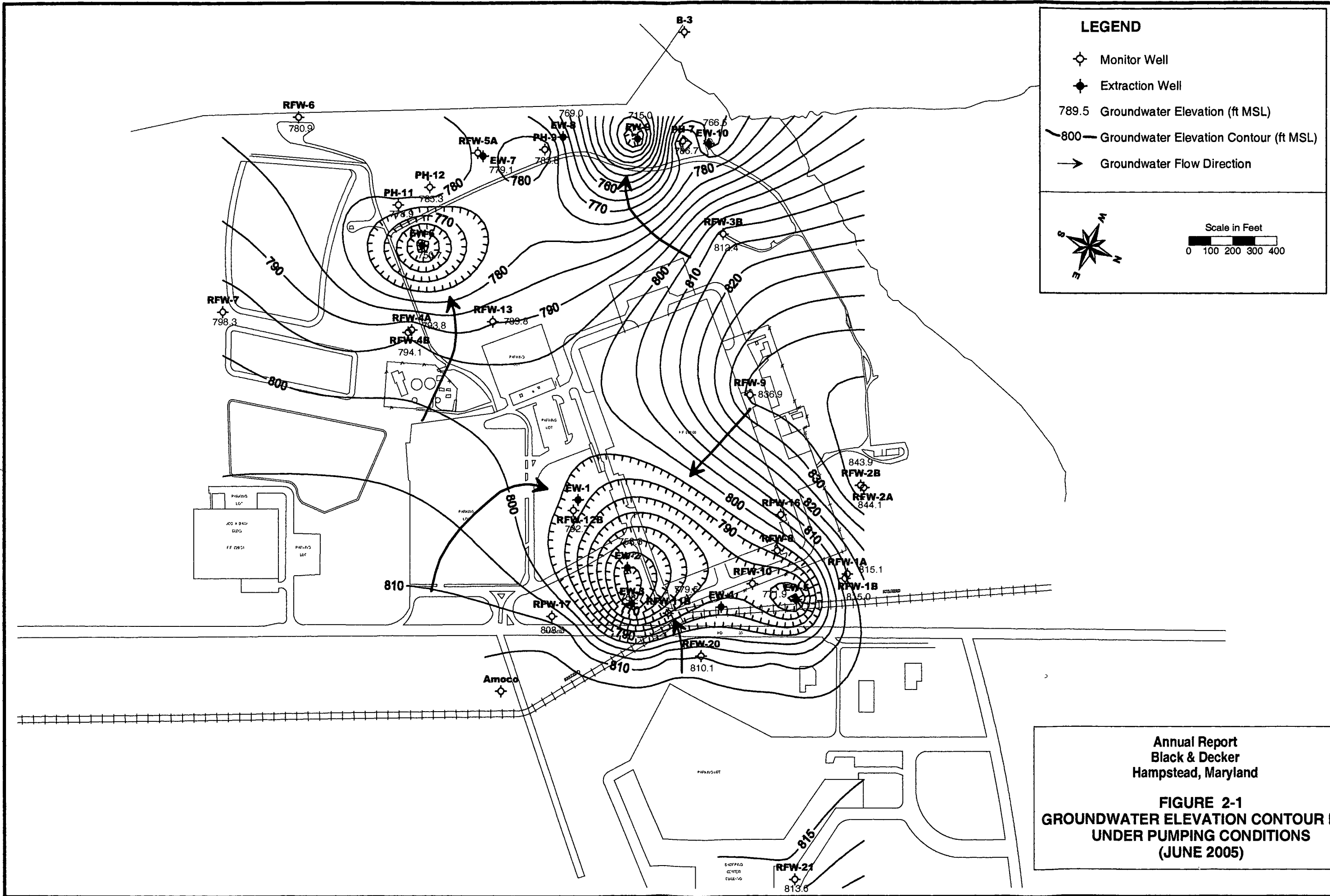
WELL NO.	TOC ELEV	TOTAL DEPTH	07/29/04		8/25/04		9/30/04		10/28/04	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	55.55	793.66	93.26	755.95	84.89	764.32	79.78	769.43
EW-3	846.64	118	68.60	778.04	79.60	767.04	84.36	762.28	89.00	757.64
EW-4	858.01	97.5	NA	NA	NA	NA	76.09	781.92	NA	NA
EW-5	864.17	98	87.63	776.54	87.98	776.19	88.21	775.96	89.60	774.57
EW-6	831.98	115	71.11	760.87	71.55	760.43	74.88	757.10	75.22	756.76
EW-7	818.38	78	32.64	785.74	34.51	783.87	36.22	782.16	36.51	781.87
EW-8	811.13	98	43.21	767.92	41.35	769.78	38.68	772.45	41.50	769.63
EW-9	811.35	141	89.73	721.62	93.70	717.65	99.51	711.84	100.83	710.52
EW-10	807.74	NA	28.99	778.75	43.15	764.59	46.06	761.68	46.69	761.05
RFW-1A	864.37	78	48.44	815.93	48.77	815.60	50.43	813.94	50.70	813.67
RFW-1B	864.23	200	48.46	815.77	48.83	815.40	50.49	813.74	50.73	813.50
RFW-2A	857.41	35	13.73	843.68	13.26	844.15	12.86	844.55	13.01	844.40
RFW-2B	857.73	75	14.22	843.51	13.89	843.84	13.32	844.41	13.38	844.35
RFW-3B	839.21	153	25.21	814.00	27.74	811.47	28.46	810.75	28.63	810.58
RFW-4A	830.37	62	36.02	794.35	35.75	794.62	37.20	793.17	37.76	792.61
RFW-4B	830.37	120	35.84	794.53	35.66	794.71	37.06	793.31	37.72	792.65
RFW-5A	817.50	30	30.82	786.68	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	2.67	782.37	3.32	781.72	1.98	783.06	4.16	780.88
RFW-7	805.14	29	7.19	797.95	7.27	797.87	7.31	797.83	7.15	797.99
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	24.82	837.20	24.71	837.31	25.38	836.64	25.71	836.31
RFW-10	852.06	58	57.33	794.73	57.66	794.40	58.58	793.48	DRY	NA
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	61.72	787.90	69.10	780.52	70.14	779.48	70.23	779.39
RFW-12B	844.87	264	50.86	794.01	49.96	794.91	51.63	793.24	52.06	792.81
RFW-13	849.11	150	55.56	793.55	56.44	792.67	57.01	792.10	58.78	790.33
RFW-14B	812.39	281	30.74	781.65	30.65	781.74	35.16	777.23	35.91	776.48
RFW-16	856.14	41	39.02	817.12	38.95	817.19	39.22	816.92	DRY	NA
RFW-17	834.66	60.5	24.86	809.80	24.26	810.40	24.98	809.68	25.17	809.49
RFW-20	842.29	142	31.83	810.46	32.57	809.72	32.87	809.42	33.06	809.23
RFW-21	832.65	102	20.02	812.63	20.22	812.43	20.42	812.23	20.52	812.13
PH-7	805.94	89	19.08	786.86	20.94	785.00	21.17	784.77	23.41	782.53
PH-9	814.94	98	27.28	787.66	28.37	786.57	26.91	788.03	31.57	783.37
PH-11	820.68	78	40.15	780.53	40.31	780.37	40.82	779.86	41.43	779.25
PH-12	828.35	87	40.32	788.03	41.20	787.15	41.54	786.81	41.80	786.55
B-3	803.02	83	NA	NA	NA	NA	NA	NA	NA	NA
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	33.20	771.76	17.56	787.40	28.43	776.53	29.56	775.40
Pembroke #1	NA	NA	12.95	NA	13.06	NA	13.26	NA	12.77	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	9.87	NA	10.86	NA	11.09	NA	10.47	NA
E. Century St.	NA	NA	19.21	NA	19.55	NA	19.61	NA	19.21	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-2
Groundwater Elevation Data (July 2004 through June 2005)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	11/22/04		12/16/04		1/31/05		2/15/05	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	81.00	768.21	81.42	767.79	102.50	746.71	98.86	750.35
EW-3	846.64	118	89.46	757.18	89.36	757.28	93.20	753.44	87.84	758.80
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	89.77	774.40	91.41	772.76	88.47	775.70	88.89	775.28
EW-6	831.98	115	74.89	757.09	76.81	755.17	83.77	748.21	83.75	748.23
EW-7	818.38	78	37.03	781.35	37.03	781.35	41.71	776.67	39.45	778.93
EW-8	811.13	98	42.46	768.67	41.27	769.86	44.74	766.39	43.30	767.83
EW-9	811.35	141	101.15	710.20	101.17	710.18	99.87	711.48	93.10	718.25
EW-10	807.74	NA	44.43	763.31	47.73	760.01	41.79	765.95	35.83	771.91
RFW-1A	864.37	78	50.76	813.61	50.43	813.94	50.91	813.46	50.31	814.06
RFW-1B	864.23	200	50.81	813.42	50.46	813.77	50.97	813.26	50.38	813.85
RFW-2A	857.41	35	14.95	842.46	12.74	844.67	13.92	843.49	13.47	843.94
RFW-2B	857.73	75	15.60	842.13	12.93	844.80	14.06	843.67	14.09	843.64
RFW-3B	839.21	153	30.23	808.98	28.13	811.08	28.48	810.73	28.37	810.84
RFW-4A	830.37	62	38.84	791.53	37.42	792.95	37.67	792.70	37.19	793.18
RFW-4B	830.37	120	38.71	791.66	37.37	793.00	37.45	792.92	36.97	793.40
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	3.92	781.12	2.83	782.21	3.86	781.18	3.74	781.30
RFW-7	805.14	29	7.11	798.03	7.61	797.53	6.42	798.72	6.20	798.94
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	25.75	836.27	25.83	836.19	25.06	836.96	24.95	837.07
RFW-10	852.06	58	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	71.08	778.54	69.78	779.84	71.33	778.29	71.28	778.34
RFW-12B	844.87	264	51.69	793.18	52.51	792.36	51.97	792.90	52.06	792.81
RFW-13	849.11	150	59.46	789.65	58.67	790.44	60.96	788.15	60.88	788.23
RFW-14B	812.39	281	36.11	776.28	35.12	777.27	34.43	777.96	33.81	778.58
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	26.50	808.16	26.02	808.64	26.78	807.88	26.43	808.23
RFW-20	842.29	142	34.32	807.97	32.94	809.35	34.01	808.28	34.02	808.27
RFW-21	832.65	102	21.31	811.34	20.86	811.79	21.83	810.82	21.23	811.42
PH-7	805.94	89	24.82	781.12	24.02	781.92	19.71	786.23	18.42	787.52
PH-9	814.94	98	32.43	782.51	31.40	783.54	34.68	780.26	33.79	781.15
PH-11	820.68	78	40.98	779.70	41.62	779.06	43.06	777.62	42.30	778.38
PH-12	828.35	87	41.59	786.76	41.98	786.37	45.53	782.82	44.60	783.75
B-3	803.02	83	NA	NA	NA	NA	NA	NA	NA	NA
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	6.11	798.85	31.50	773.46	17.22	787.74	28.03	776.93
Pembroke #1	NA	NA	11.88	NA	12.69	NA	11.31	NA	11.63	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.41	NA	9.97	NA	9.17	NA	9.40	NA
E. Century St.	NA	NA	20.43	NA	19.76	NA	12.53	NA	13.02	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	NA	NA	51.23	NA	51.08	NA

Table 2-2
Groundwater Elevation Data (July 2004 through June 2005)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	3/24/05		4/20/05		05/16/05		6/18/05	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	98.68	750.53	97.84	751.37	90.05	759.16	90.43	758.78
EW-3	846.64	118	89.14	757.50	87.84	758.80	87.85	758.79	87.93	758.71
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	90.02	774.15	89.96	774.21	89.90	774.27	92.31	771.86
EW-6	831.98	115	84.14	747.84	79.84	752.14	79.61	752.37	81.31	750.67
EW-7	818.38	78	40.23	778.15	37.96	780.42	38.74	779.64	39.31	779.07
EW-8	811.13	98	44.92	766.21	41.81	769.32	41.26	769.87	42.14	768.99
EW-9	811.35	141	97.67	713.68	97.02	714.33	96.95	714.40	96.40	714.95
EW-10	807.74	NA	40.43	767.31	38.98	768.76	40.35	767.39	41.23	766.51
RFW-1A	864.37	78	50.39	813.98	49.60	814.77	48.78	815.59	49.23	815.14
RFW-1B	864.23	200	50.41	813.82	49.63	814.60	48.83	815.40	49.28	814.95
RFW-2A	857.41	35	13.84	843.57	12.06	845.35	12.99	844.42	13.31	844.10
RFW-2B	857.73	75	14.51	843.22	12.37	845.36	13.66	844.07	13.87	843.86
RFW-3B	839.21	153	29.44	809.77	28.49	810.72	26.32	812.89	26.78	812.43
RFW-4A	830.37	62	37.84	792.53	35.17	795.20	36.13	794.24	36.61	793.76
RFW-4B	830.37	120	37.62	792.75	35.04	795.33	35.97	794.40	36.27	794.10
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	3.50	781.54	4.11	780.93	3.58	781.46	4.13	780.91
RFW-7	805.14	29	6.43	798.71	7.64	797.50	6.57	798.57	6.88	798.26
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	25.37	836.65	25.14	836.88	24.56	837.46	25.13	836.89
RFW-10	852.06	58	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	71.83	777.79	71.02	778.60	69.85	779.77	70.11	779.51
RFW-12B	844.87	264	52.33	792.54	51.86	793.01	50.72	794.15	50.84	792.74
RFW-13	849.11	150	60.73	788.38	58.30	790.81	58.68	790.43	59.30	789.81
RFW-14B	812.39	281	34.03	778.36	32.91	779.48	32.15	780.24	32.81	779.58
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	26.97	807.69	25.98	808.68	25.48	809.18	26.32	808.34
RFW-20	842.29	142	34.30	807.99	33.81	808.48	32.56	809.73	33.04	810.08
RFW-21	832.65	102	22.07	810.58	21.76	810.89	20.31	812.34	20.61	813.57
PH-7	805.94	89	18.57	787.37	18.17	787.77	18.41	787.53	19.21	786.73
PH-9	814.94	98	34.06	780.88	33.61	781.33	30.59	784.35	31.17	783.77
PH-11	820.68	78	42.39	778.29	41.94	778.74	41.62	779.06	41.83	778.85
PH-12	828.35	87	44.81	783.54	44.22	784.13	42.77	785.58	43.10	785.25
B-3	803.02	83	NA	NA	NA	NA	NA	NA	NA	NA
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	16.11	788.85	36.11	768.85	41.35	763.61	29.59	775.37
Pembroke #1	NA	NA	11.84	NA	NA	NA	10.98	NA	11.12	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	9.69	NA	9.47	NA	9.69	NA	9.98	NA
E. Century St.	NA	NA	12.91	NA	14.37	NA	26.43	NA	27.53	NA
Lwr. Beckleys. Rd.	NA	NA	50.94	NA	51.36	NA	52.65	NA	52.59	NA



Annual Report
 Black & Decker
 Hampstead, Maryland

FIGURE 2-1
GROUNDWATER ELEVATION CONTOUR MAP
UNDER PUMPING CONDITIONS
(JUNE 2005)

Table 2-3
Effluent Characteristics Summary (July 2004 through June 2005)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				July 2004	August 2004	September 2004	October 2004	November 2004	December 2004	
001	FLOW	average	MGD	NA	0.224	0.314	0.267	0.209	0.122	0.183
		maximum	MGD	NA	1.156	0.977	1.234	0.365	0.322	0.363
	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	< 5	NR	NR	< 5
	pH	minimum	STD	6.0	6.18	6.17	6.06	6.14	6.04	6.04
		maximum	STD	8.5	7.27	7.29	7.27	7.69	7.36	7.20
	BOD	mg/l	15	4.8	4.0	2.9	< 2	< 2	2.8	
TSS	maximum	mg/l	30	7.6	6.8	7.3	6.0	4.5	7.0	
	quarterly average	mg/l	20	NR	NR	7.6	NR	NR	5.8	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.254	0.208	0.267	0.260	0.213	0.250
		maximum	MGD	NA	0.321	0.250	0.291	0.291	0.293	0.273
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.245	0.255	0.244	0.247	0.239	0.239
		maximum	MGD	NA	0.286	0.299	0.278	0.291	0.345	0.345
	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

* As noted on the DMR dated 6/30/04, a collection or lab error on the oil/grease caused month/quarter to register high. Follow up tested <5 ppb as in the past.

Table 2-3
Effluent Characteristics Summary (July 2004 through June 2005)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 2005	February 2005	March 2005	April 2005	May 2005	June 2005	
001	FLOW	average	MGD	NA	0.256	0.171	0.217	0.389	0.157	0.139
		maximum	MGD	NA	1.468	0.244	0.835	1.617	0.201	0.244
	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	< 5	< 5	NR	< 5
	pH	minimum	STD	6.0	6.07	6.19	6.81	7.00	6.60	6.70
		maximum	STD	8.5	6.60	6.91	7.68	7.50	7.30	7.60
BOD		mg/l	15	< 2	< 2	3.4	< 2	4.3	2.4	
TSS	maximum	mg/l	30	< 2.5	3.5	4.0	8.0	3.5	4.7	
	quarterly average	mg/l	20	NR	NR	3.3	NR	NR	< 2.5	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.305	0.294	0.297	0.273	0.271	0.277
		maximum	MGD	NA	0.338	0.311	0.349	0.314	0.299	0.279
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.236	0.236	0.237	0.242	0.236	0.237
		maximum	MGD	NA	0.275	0.275	0.263	0.268	0.270	0.254
	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

* As noted on the DMR dated 6/30/04, a collection or lab error on the oil/grease caused month/quarter to register high. Follow up tested <5 ppb as in the past.

2005 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, EW-4 and RFW-12B and the highest concentrations of PCE were detected in the groundwater samples collected from well EW-9. The remainder of VOCs present were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2005 (May 2005) 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 2004
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (10)	EW-3 (2)	EW-4 (25)	EW-5 (2)	EW-6	EW-7	EW-8	EW-9 (2)	EW-9 (DUP) (2)	EW-10
Chloromethane	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Bromomethane	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Vinyl Chloride	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Chloroethane	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Methylene Chloride	ug/L	NS	130	11 B	370	10 B	4 J	4 J	4 JB	10 B	13 B	5 B
Acetone	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Carbon Disulfide	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	50 U	10 U	120 U	10 U	5 U	4 J	15	10 U	10 U	5 U
Chloroform	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloroethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
2-Butanone	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
1,1,1-Trichloroethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Carbon Tetrachloride	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Bromodichloromethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloropropane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Trichloroethene	ug/L	NS	820	250	2800	420	9	4 J	10	10 U	10 U	5 U
Dibromochloromethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1,2-Trichloroethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Benzene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Bromoform	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
4-Methyl-2-pentanone	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
2-Hexanone	ug/L	NS	100 U	20 U	250 U	20 U	10 U	10 U	10 U	20 U	20 U	10 U
Tetrachloroethene	ug/L	NS	54	5 J	43 J	12	24	7	70	190	220	21
1,1,2,2-Tetrachloroethane	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Toluene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Chlorobenzene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Ethylbenzene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Styrene	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 U	5 U
Xylenc (total)	ug/L	NS	50 U	10 U	120 U	10 U	5 U	5 U	5 U	10 U	10 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.

Table 2-4
 Summary of Groundwater Analytical Results - August 2004
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-4B (DUP)	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	8 B	8 B	8 B	9 B	8 B	10 B	9 B	10 B	NS	2 J	2 J	NS	2 J	3 J
Acetone	ug/L	2 J	9 J	10 U	4 J	4 J	2 J	10 U	3 J	NS	6 J	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	11	1 J	4 J	4 J	NS	1 J	5 U	NS	9	5 U
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	2 J
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trichloroethene	ug/L	5 U	5 U	1 J	10 U	9	66	1 J	1 J	NS	10	5 J	NS	18	680
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	10	67	26	25	NS	8	5 U	NS	6	12
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U

Notes: DUP = Duplicate sample
 NS = Not sampled
 (2.5) = Dilution factor.

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.