

ANNUAL REPORT

Prepared for

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

Hampstead, Maryland

July 2004

Prepared by

WESTON SOLUTIONS, INC.

West Chester, Pennsylvania 19380-1499

W.O. No. 02501.004.004.0200

TABLE OF CONTENTS

Section	Page
1. INTRODUCTION.....	1-1
2. SITE CHARACTERISTICS.....	2-1
2.1 HYDRAULIC PROPERTIES	2-1
2.2 EFFLUENT CHARACTERISTICS	2-1
2.3 GROUNDWATER QUALITY DATA	2-1
3. OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM.....	3-1
4. TREATMENT SYSTEM PERFORMANCE EVALUATION.....	4-1
5. RECOMMENDATIONS.....	5-1

LIST OF APPENDICES

APPENDIX A – WITHDRAWAL REPORTS

APPENDIX B – DISCHARGE MONITORING REPORTS

APPENDIX C – GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS

APPENDIX D - GROUNDWATER ANALYTICAL DATA PACKAGE (MAY 2004)

LIST OF FIGURES

Figure	Page
Figure 2-1 Groundwater Elevation Contour Map Under Pumping Conditions (June 2004).....	2-6

LIST OF TABLES

Table	Page
Table 2-1 Treatment System Pumping Records (July 2003 through June 2004)	2-2
Table 2-2 Groundwater Elevation Data (July 2003 through June 2004)	2-3
Table 2-3 Effluent Characteristics Summary (July 2003 through June 2004).....	2-7
Table 2-4 Summary of Groundwater Analytical Results – August 2003	2-10
Table 2-5 Summary of Groundwater Analytical Results – November 2003	2-13
Table 2-6 Summary of Groundwater Analytical Results – February 2004	2-16
Table 2-7 Summary of Groundwater Analytical Results – May 2004	2-19
Table 3-1 Treatment System Maintenance Activities (July 2003 through June 2004).....	3-2

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 2003 through June 2004.

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 2003 and January through June 2004, 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 2004 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 175 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 2003 through June 2004 are included in Appendix B.

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 2003 through June 2004, approximately 251 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) (85 %), tetrachloroethene (PCE) (15 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 2003 through June 2004 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 2003 and the first and second quarters of

**Table 2-1
Treatment System Pumping Records
(July 2003 through June 2004)**

**Black & Decker
Hampstead, Maryland**

Date	Water Pumped (gallons)
July 2003	7,025,777
August 2003	6,954,538
September 2003	6,668,148
October 2003	6,754,991
November 2003	6,313,453
December 2003	6,822,229
January 2004	6,566,259
February 2004	6,081,242
March 2004	6,863,229
April 2004	7,227,158
May 2004	7,609,237
June 2004	7,396,252

Table 2-2
Groundwater Elevation Data (July 2003 through June 2004)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	07/27/03		8/06/03		9/11/03		10/31/03	
			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	93.20	756.01	77.24	771.97	81.26	767.95	64.90	784.31
EW-3	846.64	118	91.90	754.74	77.32	769.32	84.35	762.29	75.90	770.74
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	85.48	778.69	84.34	779.83	83.77	780.40	76.07	788.10
EW-6	831.98	115	65.21	766.77	64.96	767.02	65.09	766.89	64.61	767.37
EW-7	818.38	78	42.75	775.63	41.89	776.49	45.87	772.51	40.14	778.24
EW-8	811.13	98	51.63	759.50	51.25	759.88	53.65	757.48	49.95	761.18
EW-9	811.35	141	74.14	737.21	74.97	736.38	81.56	729.79	56.26	755.09
EW-10	807.74	NA	34.37	773.37	34.73	773.01	39.59	768.15	34.24	773.50
RFW-1A	864.37	78	46.57	817.80	46.42	817.95	47.34	817.03	46.59	817.78
RFW-1B	864.23	200	46.62	817.61	46.49	817.74	47.38	816.85	46.61	817.62
RFW-2A	857.41	35	14.11	843.30	11.77	845.64	13.98	843.43	13.40	844.01
RFW-2B	857.73	75	14.27	843.46	12.41	845.32	14.26	843.47	13.59	844.14
RFW-3B	839.21	153	26.71	812.50	26.80	812.41	28.43	810.78	27.71	811.50
RFW-4A	830.37	62	34.31	796.06	34.18	796.19	36.26	794.11	35.61	794.76
RFW-4B	830.37	120	34.46	795.91	34.70	795.67	36.87	793.50	35.86	794.51
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	4.69	780.35	3.43	781.61	4.43	780.61	2.61	782.43
RFW-7	805.14	29	8.01	797.13	7.45	797.69	8.17	796.97	7.91	797.23
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	23.76	838.26	23.80	838.22	27.53	834.49	24.13	837.89
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	71.17	778.45	67.81	781.81	69.51	780.11	66.25	783.37
RFW-12B	844.87	264	50.94	793.93	49.60	795.27	52.68	792.19	50.07	794.80
RFW-13	849.11	150	57.46	791.65	57.20	791.91	59.33	789.78	56.34	792.77
RFW-14B	812.39	281	45.73	766.66	46.81	765.58	49.50	762.89	32.61	779.78
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	24.00	810.66	24.18	810.48	23.96	810.70	22.71	811.95
RFW-20	842.29	142	33.29	809.00	31.32	810.97	32.98	809.31	31.78	810.51
RFW-21	832.65	102	21.08	811.57	19.86	812.79	22.64	810.01	20.21	812.44
PH-7	805.94	89	25.87	780.07	27.98	777.96	28.37	777.57	26.22	779.72
PH-9	814.94	98	49.73	765.21	51.33	763.61	52.11	762.83	34.17	780.77
PH-11	820.68	78	37.81	782.87	40.31	780.37	41.42	779.26	34.08	786.60
PH-12	828.35	87	47.99	780.36	43.38	784.97	46.85	781.50	38.36	789.99
B-3	803.02	83	8.67	794.35	8.96	794.06	NA	NA	8.02	795.00
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	26.79	778.17	19.44	785.52	11.65	793.31	19.86	785.10
Pembroke #1	NA	NA	13.86	NA	13.96	NA	14.61	NA	13.43	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.91	NA	11.16	NA	11.21	NA	9.98	NA
E. Century St.	NA	NA	19.33	NA	19.67	NA	20.34	NA	19.82	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-2
Groundwater Elevation Data (July 2003 through June 2004)
Black & Decker
Hampstead, Maryland

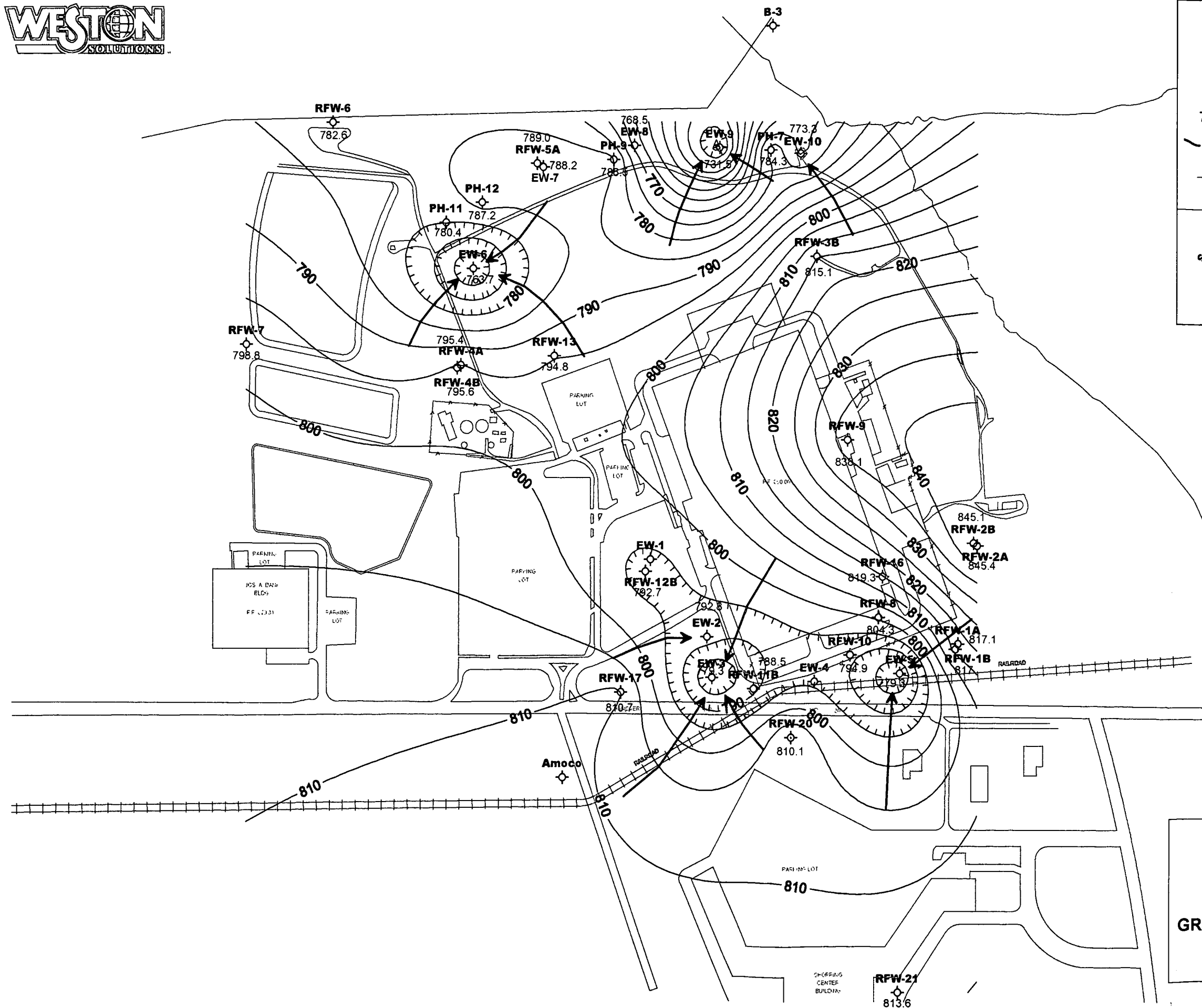
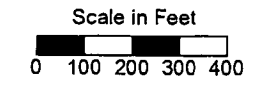
WELL NO.	TOC ELEV	TOTAL DEPTH	11/20/03		12/29/03		1/21/04		2/18/04	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	63.13	786.08	64.83	784.38	61.57	787.64	61.62	787.59
EW-3	846.64	118	72.80	773.84	73.46	773.18	71.68	774.96	72.33	774.31
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	73.77	790.40	74.55	789.62	72.04	792.13	70.73	793.44
EW-6	831.98	115	64.24	767.74	64.06	767.92	63.46	768.52	61.73	770.25
EW-7	818.38	78	39.27	779.11	40.34	778.04	36.16	782.22	37.62	780.76
EW-8	811.13	98	47.77	763.36	48.52	762.61	44.62	766.51	42.25	768.88
EW-9	811.35	141	52.93	758.42	54.99	756.36	56.24	755.11	42.50	768.85
EW-10	807.74	NA	29.13	778.61	30.46	777.28	NA	NA	19.32	788.42
RFW-1A	864.37	78	45.66	818.71	46.53	817.84	44.30	820.07	44.86	819.51
RFW-1B	864.23	200	45.61	818.62	46.23	818.00	44.12	820.11	45.03	819.20
RFW-2A	857.41	35	11.03	846.38	12.81	844.60	11.51	845.90	12.56	844.85
RFW-2B	857.73	75	11.72	846.01	13.34	844.39	11.94	845.79	12.96	844.77
RFW-3B	839.21	153	26.29	812.92	27.46	811.75	24.12	815.09	24.41	814.80
RFW-4A	830.37	62	35.30	795.07	35.82	794.55	33.74	796.63	34.83	795.54
RFW-4B	830.37	120	35.23	795.14	35.97	794.40	33.98	796.39	34.74	795.63
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	2.86	782.18	3.54	781.50	2.12	782.92	2.43	782.61
RFW-7	805.14	29	5.44	799.70	7.67	797.47	NA	NA	4.86	800.28
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	23.05	838.97	26.83	835.19	23.32	838.70	23.29	838.73
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	64.53	785.09	65.82	783.80	62.26	787.36	63.41	786.21
RFW-12B	844.87	264	47.95	796.92	48.40	796.47	NA	NA	46.62	798.25
RFW-13	849.11	150	57.86	791.25	58.81	790.30	53.92	795.19	54.82	794.29
RFW-14B	812.39	281	33.06	779.33	34.19	778.20	28.82	783.57	27.23	785.16
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	23.91	810.75	23.44	811.22	22.88	811.78	23.92	810.74
RFW-20	842.29	142	31.52	810.77	31.89	810.40	30.86	811.43	31.81	810.48
RFW-21	832.65	102	19.63	813.02	20.43	812.22	19.89	812.76	20.07	812.58
PH-7	805.94	89	25.34	780.60	19.98	785.96	9.82	796.12	7.52	798.42
PH-9	814.94	98	35.49	779.45	37.87	777.07	NA	NA	28.23	786.71
PH-11	820.68	78	34.85	785.83	36.81	783.87	36.40	784.28	38.77	781.91
PH-12	828.35	87	38.67	789.68	39.43	788.92	38.87	789.48	40.09	788.26
B-3	803.02	83	7.94	795.08	NA	NA	NA	NA	NA	NA
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	21.67	783.29	22.43	782.53	6.43	798.53	19.62	785.34
Pembroke #1	NA	NA	11.88	NA	12.87	NA	NA	NA	NA	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.41	NA	10.83	NA	NA	NA	NA	NA
E. Century St.	NA	NA	20.43	NA	19.86	NA	NA	NA	NA	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2-2
Groundwater Elevation Data (July 2003 through June 2004)
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	3/22/04		4/6/04		05/18/04		6/18/04	
			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	62.30	786.91	76.37	772.84	55.59	793.62	56.42	792.79
EW-3	846.64	118	74.08	772.56	85.41	761.23	65.48	781.16	67.32	779.32
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	71.43	792.74	77.03	787.14	81.32	782.85	84.88	779.29
EW-6	831.98	115	62.43	769.55	67.76	764.22	68.98	763.00	68.30	763.68
EW-7	818.38	78	35.26	783.12	32.26	786.12	30.03	788.35	30.21	788.17
EW-8	811.13	98	42.12	769.01	41.02	770.11	42.11	769.02	42.61	768.52
EW-9	811.35	141	42.03	769.32	47.68	763.67	68.24	743.11	79.88	731.47
EW-10	807.74	NA	15.39	792.35	13.21	794.53	25.22	782.52	34.47	773.27
RFW-1A	864.37	78	44.57	819.80	46.19	818.18	46.46	817.91	47.23	817.14
RFW-1B	864.23	200	44.86	819.37	46.27	817.96	46.52	817.71	47.24	816.99
RFW-2A	857.41	35	12.38	845.03	12.21	845.20	12.20	845.21	11.98	845.43
RFW-2B	857.73	75	12.74	844.99	12.90	844.83	12.87	844.86	12.61	845.12
RFW-3B	839.21	153	23.86	815.35	24.71	814.50	23.61	815.60	24.08	815.13
RFW-4A	830.37	62	35.31	795.06	35.34	795.03	34.83	795.54	34.96	795.41
RFW-4B	830.37	120	35.26	795.11	35.21	795.16	34.68	795.69	34.80	795.57
RFW-5A	817.50	30	DRY	NA	DRY	NA	28.31	789.19	28.48	789.02
RFW-6	785.04	120	4.14	780.90	2.74	782.30	2.66	782.38	2.43	782.61
RFW-7	805.14	29	5.91	799.23	5.45	799.69	5.98	799.16	6.38	798.76
RFW-8	860.07	53	52.82	807.25	54.42	805.65	55.63	804.44	55.81	804.26
RFW-9	862.02	49	23.97	838.05	23.79	838.23	23.76	838.26	23.90	838.12
RFW-10	852.06	58	51.87	800.19	53.94	798.12	56.96	795.10	57.17	794.89
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	63.74	785.88	68.82	780.80	61.18	788.44	61.16	788.46
RFW-12B	844.87	264	45.89	798.98	49.48	795.39	51.02	793.85	51.12	792.74
RFW-13	849.11	150	52.74	796.37	54.98	794.13	54.49	794.62	54.34	794.77
RFW-14B	812.39	281	25.98	786.41	25.48	786.91	38.14	774.25	29.36	783.03
RFW-16	856.14	41	DRY	NA	35.88	820.26	36.61	819.53	36.81	819.33
RFW-17	834.66	60.5	23.81	810.85	24.30	810.36	23.68	810.98	24.01	810.65
RFW-20	842.29	142	32.02	810.27	32.12	810.17	31.06	811.23	31.36	810.08
RFW-21	832.65	102	20.21	812.44	19.46	813.19	19.23	813.42	19.41	813.57
PH-7	805.94	89	6.50	799.44	5.68	800.26	17.41	788.53	21.63	784.31
PH-9	814.94	98	27.04	787.90	26.66	788.28	28.17	786.77	28.48	786.46
PH-11	820.68	78	38.97	781.71	39.36	781.32	40.23	780.45	40.27	780.41
PH-12	828.35	87	39.64	788.71	39.61	788.74	41.04	787.31	41.13	787.22
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	43.53	761.43	46.85	758.11	27.53	777.43	39.55	765.41
Pembroke #1	NA	NA	NA	NA	NA	NA	10.29	NA	11.05	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	NA	NA	8.20	NA	8.99	NA	9.28	NA
E. Century St.	NA	NA	NA	NA	11.66	NA	11.24	NA	11.19	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	48.94	NA	49.08	NA	NA	NA

LEGEND

- ⊕ Monitor Well
- ◆ Extraction Well
- 789.5 Groundwater Elevation (ft MSL)
- 800— Groundwater Elevation Contour (ft MSL)
- Groundwater Flow Direction



Annual Report
Black & Decker
Hampstead, Maryland

FIGURE 2-1
GROUNDWATER ELEVATION CONTOUR MAP
UNDER PUMPING CONDITIONS
(JUNE 2004)

Table 2-3
Effluent Characteristics Summary (July 2002 through June 2003)
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE					
				July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
001	FLOW average	MGD	NA	0.257	0.185	0.500	0.202	0.199	0.261
	maximum	MGD	NA	0.799	0.660	1.712	1.105	0.278	0.657
	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	6.12	6.43	6.44	6.38	6.18	6.59
	maximum	STD	8.5	7.54	7.46	8.39	7.39	7.11	7.21
	BOD	mg/l	15	< 2	3.0	< 2	2.4	< 2	7.9
TSS maximum	mg/l	30	8.0	8.0	7.3	14.0	3.5	12.0	
	quarterly average	mg/l	20	NR	NR	6.5	NR	NR	< 5
101 (Monitoring Point)	FLOW average	MGD	NA	0.476	0.415	0.397	0.415	0.234	0.288
	maximum	MGD	NA	0.516	0.466	0.486	2.770	0.272	0.309
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2
201 (Monitoring Point)	FLOW average	MGD	NA	0.227	0.224	0.222	0.218	0.218	0.220
	maximum	MGD	NA	0.271	0.261	0.280	0.249	0.249	0.252
	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
 Effluent Characteristics Summary (July 2002 through June 2003)
 Black & Decker
 Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 2004	February 2004	March 2004	April 2004	May 2004	June 2004	
001	FLOW	average	MGD	NA	0.138	0.303	0.227	0.302	0.210	0.231
		maximum	MGD	NA	0.167	0.482	0.352	1.455	0.550	1.610
	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	261*
		quarterly average	mg/l	10	NR	NR	< 5	< 5	NR	91*
	pH	minimum	STD	6.0	6.74	6.17	6.27	6.20	6.07	6.20
		maximum	STD	8.5	7.09	7.41	7.08	7.04	6.97	6.70
BOD		mg/l	15	5.6	3.9	6.0	< 2	3.9	4.5	
TSS	maximum	mg/l	30	3.5	4.5	9.0	3.6	8.3	15.0	
	quarterly average	mg/l	20	NR	NR	5.7	NR	NR	9.0	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.280	0.282	0.254	0.246	0.250	0.232
		maximum	MGD	NA	0.392	0.308	0.269	0.283	0.309	0.260
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.212	0.210	0.221	0.221	0.245	0.247
		maximum	MGD	NA	0.250	0.230	0.242	0.242	0.292	0.297
	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.

2004 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. VOCs detected at lower concentrations included 1,2-dichloroethene. & 1,1,1-Trichloroethane. The remainder were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2004 (May 2004) analytical data package is included in Appendix D. Analytical data packages for the remaining quarters are included in the respective Quarterly Groundwater Monitoring Reports.

Summary of Groundwater Analytical Results - August 2003
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (10)	EW-3 (5)	EW-4 (10)	EW-5 (5)	EW-6	EW-7	EW-8	EW-9 (2)	EW-9 (DUP) (2)	EW-10
Chloromethane	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Bromomethane	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Vinyl Chloride	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Chloroethane	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Methylene Chloride	ug/L	NS	190 B	25 U	50 U	25 U	3 J	5	3 JB	10 B	12 B	3 JB
Acetone	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Carbon Disulfide	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1-Dichloroethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	1 J	10 U	10 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	50 U	25 U	50 U	25 U	5 U	2 J	23	10 U	10 U	5 U
Chloroform	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloroethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
2-Butanone	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
1,1,1-Trichloroethane	ug/L	NS	50 U	25 U	50 U	11 J	5 U	5 U	5 U	10 U	10 U	5 U
Carbon Tetrachloride	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Bromodichloromethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
1,2-Dichloropropane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Trichloroethene	ug/L	NS	920	320	1600	760	11	4 J	13	2 J	2 J	5 U
Dibromochloromethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
1,1,2-Trichloroethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Benzene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Bromoform	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
4-Methyl-2-pentanone	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
2-Hexanone	ug/L	NS	100 U	50 U	100 U	50 U	10 U	10 U	10 U	20 U	20 U	10 U
Tetrachloroethene	ug/L	NS	73	7 J	33 J	40	27	10	72	140	140	7
1,1,2,2-Tetrachloroethane	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Toluene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Chlorobenzene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Ethylbenzene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Styrene	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U
Xylene (total)	ug/L	NS	50 U	25 U	50 U	25 U	5 U	5 U	5 U	10 U	10 U	5 U

DUP = Duplicate sample Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 NS = Not sampled J = Indicates an estimated value.
 (2.5) = Dilution factor. B = Indicates that the analyte was found in the associated blank as well as in the sample.

Summary of Groundwater Analytical Results - August 2003

Black & Decker
Hampstead, Maryland

PARAMETER	Units	RFW-1A	RFW-1B	RFW-2A	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	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	NS
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	NS
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	NS
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	NS
Methylene Chloride	ug/L	5 U	5 JB	5 U	5 U	5 JB	3 JB	2 JB	5 U	NS	3 JB	5 U	NS	7 B	NS
Acetone	ug/L	10 U	10	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS
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	NS
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS
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	NS
1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	18	3 J	3 J	4 J	NS	2 J	5 U	NS	17	NS
Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	1 J	1 J	2 J	NS	5 U	5 U	NS	5 U	NS
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	NS
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	NS
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS
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	NS
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	NS
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	NS
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	NS
Trichloroethene	ug/L	5 U	5 U	1 J	2 J	13	67	63	41	NS	8	8	NS	21	NS
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	NS
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	NS
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	NS
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	NS
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	NS
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	NS
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	NS
Tetrachloroethene	ug/L	5 U	5 U	5 U	5 U	11	65	60	120	NS	8	5 U	NS	10	NS
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	NS
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	NS
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	NS
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	NS
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	NS
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	NS

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

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.