

**ANNUAL REPORT**

Prepared for

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

July 2006

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 2006)

---

## LIST OF FIGURES

---

<b>Figure</b>	<b>Page</b>
Figure 2-1 Groundwater Elevation Contour Map Under Pumping Conditions (June 2006).....	2-6

---

## LIST OF TABLES

---

<b>Table</b>	<b>Page</b>
Table 2-1 Treatment System Pumping Records (July 2005 through June 2006) .....	2-2
Table 2-2 Groundwater Elevation Data (July 2005 through June 2006) .....	2-3
Table 2-3 Effluent Characteristics Summary (July 2005 through June 2006).....	2-7
Table 2-4 Summary of Groundwater Analytical Results – August 2005 .....	2-10
Table 2-5 Summary of Groundwater Analytical Results – November 2005 .....	2-13
Table 2-6 Summary of Groundwater Analytical Results – February 2006 .....	2-16
Table 2-7 Summary of Groundwater Analytical Results – May 2006 .....	2-19
Table 3-1 Treatment System Maintenance Activities (July 2005 through June 2006).....	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 2005 through June 2006.

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 2005 and January through June 2006, 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 2006 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 169 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 2005 through June 2006 are included in Appendix B.

### **2.3 GROUNDWATER QUALITY DATA**

For the reporting period of July 2005 through June 2006, approximately 138 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) (68 %), tetrachloroethene (PCE) (32 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 2005 through June 2006 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 2005 and the first and second quarters of

**Table 2-1**  
**Treatment System Pumping Records**  
**(July 2005 through June 2006)**

**Black & Decker**  
**Hampstead, Maryland**

<b>Date</b>	<b>Water Pumped (gallons)</b>
July 2005	7,238,781
August 2005	7,117,255
September 2005	6,741,037
October 2005	6,891,562
November 2005	6,662,063
December 2005	6,522,500
January 2006	6,686,728
February 2006	6,248,297
March 2006	6,852,072
April 2006	6,787,343
May 2006	6,613,267
June 2006	6,280,593

**Table 2-2**  
**Groundwater Elevation Data (July 2005 through June 2006)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	7/13/2005		8/18/2005		9/30/05		10/26/2005	
			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	91.42	757.79	101.30	747.91	92.84	756.37	92.00	757.21
EW-3	846.64	118	88.18	758.46	89.43	757.21	89.40	757.24	90.80	755.84
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	90.89	773.28	90.66	773.51	91.47	772.70	79.43	784.74
EW-6	831.98	115	82.11	749.87	82.72	749.26	83.67	748.31	86.48	745.50
EW-7	818.38	78	42.13	776.25	38.45	779.93	49.41	768.97	42.14	776.24
EW-8	811.13	98	43.58	767.55	44.81	766.32	47.38	763.75	49.18	761.95
EW-9	811.35	141	94.73	716.62	104.50	706.85	96.88	714.47	102.57	708.78
EW-10	807.74	NA	44.86	762.88	42.71	765.03	48.00	759.74	50.97	756.77
RFW-1A	864.37	78	50.43	813.94	49.43	814.94	51.55	812.82	50.81	813.56
RFW-1B	864.23	200	50.45	813.78	49.46	814.77	51.58	812.65	50.87	813.36
RFW-2A	857.41	35	13.07	844.34	15.71	841.70	14.11	843.30	12.26	845.15
RFW-2B	857.73	75	13.84	843.89	16.32	841.41	14.68	843.05	12.93	844.80
RFW-3B	839.21	153	27.26	811.95	30.37	808.84	29.32	809.89	27.84	811.37
RFW-4A	830.37	62	36.96	793.41	37.90	792.47	38.77	791.60	28.08	802.29
RFW-4B	830.37	120	36.84	793.53	37.76	792.61	38.70	791.67	38.03	792.34
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	2.94	782.10	3.99	781.05	4.23	780.81	3.51	781.53
RFW-7	805.14	29	7.57	797.57	7.51	797.63	8.19	796.95	6.89	798.25
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	25.11	836.91	26.43	835.59	27.43	834.59	26.87	835.15
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	71.11	778.51	70.14	779.48	72.46	777.16	72.22	777.40
RFW-12B	844.87	264	51.47	793.40	51.42	793.45	55.69	789.18	55.11	789.76
RFW-13	849.11	150	59.13	789.98	58.93	790.18	60.31	788.80	60.42	788.69
RFW-14B	812.39	281	33.91	778.48	34.43	777.96	34.44	777.95	34.11	778.28
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	25.99	808.67	27.01	807.65	27.76	806.90	26.88	807.78
RFW-20	842.29	142	33.47	808.82	34.14	808.15	34.11	808.18	34.01	808.28
RFW-21	832.65	102	21.26	811.39	21.76	810.89	22.69	809.96	22.37	810.28
PH-7	805.94	89	19.00	786.94	19.56	786.38	19.76	786.18	20.02	785.92
PH-9	814.94	98	31.17	783.77	32.90	782.04	33.13	781.81	36.26	778.68
PH-11	820.68	78	42.03	778.65	42.38	778.30	43.94	776.74	42.41	778.27
PH-12	828.35	87	42.93	785.42	43.67	784.68	44.27	784.08	42.87	785.48
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	31.40	773.56	29.56	775.40	19.57	785.39	27.11	777.85
Pembroke #1	NA	NA	11.99	NA	12.35	NA	12.68	NA	NA	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.18	NA	10.80	NA	9.89	NA	9.89	NA
E. Century St.	NA	NA	29.11	NA	26.53	NA	27.59	NA	19.94	NA
Lwr. Beckleys. Rd.	NA	NA	52.26	NA	NA	NA	54.26	NA	55.89	NA

**Table 2-2**  
**Groundwater Elevation Data (July 2005 through June 2006)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	11/29/2005		12/15/2005		1/19/2006		2/27/2006	
			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	95.46	753.75	88.22	760.99	89.74	759.47	95.10	754.11
EW-3	846.64	118	78.81	767.83	81.42	765.22	94.61	752.03	97.31	749.33
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	82.06	782.11	82.99	781.18	84.40	779.77	84.88	779.29
EW-6	831.98	115	92.40	739.58	91.00	740.98	87.96	744.02	88.47	743.51
EW-7	818.38	78	43.50	774.88	44.72	773.66	44.97	773.41	47.31	771.07
EW-8	811.13	98	48.95	762.18	51.11	760.02	48.03	763.10	49.11	762.02
EW-9	811.35	141	103.20	708.15	100.84	710.51	101.40	709.95	100.05	711.30
EW-10	807.74	NA	52.47	755.27	51.71	756.03	44.03	763.71	45.87	761.87
RFW-1A	864.37	78	51.67	812.70	51.60	812.77	51.43	812.94	50.16	814.21
RFW-1B	864.23	200	51.73	812.50	51.62	812.61	51.46	812.77	50.24	813.99
RFW-2A	857.41	35	15.55	841.86	15.30	842.11	16.01	841.40	12.64	844.77
RFW-2B	857.73	75	16.28	841.45	15.99	841.74	16.43	841.30	13.28	844.45
RFW-3B	839.21	153	33.08	806.13	32.98	806.23	32.27	806.94	29.33	809.88
RFW-4A	830.37	62	38.53	791.84	38.21	792.16	37.33	793.04	36.28	794.09
RFW-4B	830.37	120	38.33	792.04	38.06	792.31	37.21	793.16	36.11	794.26
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	4.41	780.63	2.43	782.61	3.48	781.56	3.74	781.30
RFW-7	805.14	29	7.10	798.04	7.94	797.20	7.71	797.43	5.68	799.46
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	26.50	835.52	26.41	835.61	25.64	836.38	24.76	837.26
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	69.18	780.44	70.14	779.48	71.47	778.15	69.54	780.08
RFW-12B	844.87	264	53.67	791.20	53.61	791.26	54.30	790.57	53.86	791.01
RFW-13	849.11	150	62.05	787.06	61.89	787.22	61.40	787.71	62.60	786.51
RFW-14B	812.39	281	35.88	776.51	35.94	776.45	35.86	776.53	34.71	777.68
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	27.86	806.80	27.81	806.85	27.60	807.06	25.83	808.83
RFW-20	842.29	142	32.62	809.67	32.64	809.65	31.99	810.30	33.71	808.58
RFW-21	832.65	102	22.52	810.13	22.45	810.20	22.50	810.15	21.20	811.45
PH-7	805.94	89	24.11	781.83	23.98	781.96	23.08	782.86	23.78	782.16
PH-9	814.94	98	37.04	777.90	37.13	777.81	37.46	777.48	38.11	776.83
PH-11	820.68	78	42.55	778.13	42.47	778.21	43.01	777.67	42.88	777.80
PH-12	828.35	87	42.98	785.37	42.63	785.72	43.29	785.06	43.35	785.00
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	24.00	780.96	33.02	771.94	31.40	773.56	27.63	777.33
Pembroke #1	NA	NA	12.37	NA	11.78	NA	10.94	NA	NA	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	9.41	NA	10.40	NA	9.87	NA	NA	NA
E. Century St.	NA	NA	29.21	NA	27.59	NA	27.40	NA	NA	NA
Lwr. Beckleys. Rd.	NA	NA	55.17	NA	53.98	NA	55.49	NA	NA	NA



**Table 2-2**  
**Groundwater Elevation Data (July 2005 through June 2006)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	3/17/2006		4/28/06		5/19/06		6/08/06	
			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	94.26	754.95	98.63	750.58	96.73	752.48	102.00	747.21
EW-3	846.64	118	96.86	749.78	88.56	758.08	92.68	753.96	79.40	767.24
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	85.10	779.07	82.34	781.83	84.77	779.40	80.09	784.08
EW-6	831.98	115	89.70	742.28	90.08	741.90	87.91	744.07	88.71	743.27
EW-7	818.38	78	47.83	770.55	44.66	773.72	46.13	772.25	43.76	774.62
EW-8	811.13	98	49.96	761.17	47.98	763.15	48.52	762.61	46.48	764.65
EW-9	811.35	141	101.30	710.05	102.89	708.46	102.50	708.85	104.21	707.14
EW-10	807.74	NA	45.69	762.05	45.88	761.86	46.87	760.87	44.77	762.97
RFW-1A	864.37	78	51.41	812.96	52.06	812.31	49.58	814.79	50.06	814.31
RFW-1B	864.23	200	50.46	813.77	52.10	812.13	49.61	814.62	50.13	814.10
RFW-2A	857.41	35	12.70	844.71	15.61	841.80	14.92	842.49	14.60	842.81
RFW-2B	857.73	75	13.21	844.52	15.93	841.80	15.14	842.59	14.73	843.00
RFW-3B	839.21	153	27.67	811.54	30.17	809.04	30.29	808.92	32.80	806.41
RFW-4A	830.37	62	36.29	794.08	37.42	792.95	37.92	792.45	38.19	792.18
RFW-4B	830.37	120	36.13	794.24	37.36	793.01	38.12	792.25	38.33	792.04
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	4.12	780.92	4.28	780.76	4.71	780.33	4.57	780.47
RFW-7	805.14	29	6.34	798.80	7.40	797.74	7.18	797.96	6.98	798.16
RFW-8	860.07	53	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	25.03	836.99	25.58	836.44	26.10	835.92	26.33	835.69
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	70.17	779.45	73.17	776.45	69.01	780.61	68.74	780.88
RFW-12B	844.87	264	53.61	791.26	55.67	789.20	51.56	793.31	51.53	792.74
RFW-13	849.11	150	62.47	786.64	62.03	787.08	61.76	787.35	62.05	787.06
RFW-14B	812.39	281	35.13	777.26	33.86	778.53	36.41	775.98	48.13	764.26
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	25.92	808.74	27.68	806.98	27.16	807.50	27.53	807.13
RFW-20	842.29	142	33.37	808.92	34.11	808.18	34.71	807.58	34.66	810.08
RFW-21	832.65	102	21.03	811.62	23.08	809.57	21.77	810.88	21.40	813.57
PH-7	805.94	89	24.06	781.88	24.61	781.33	25.31	780.63	31.34	774.60
PH-9	814.94	98	38.30	776.64	38.91	776.03	32.61	782.33	33.01	781.93
PH-11	820.68	78	43.19	777.49	43.87	776.81	42.90	777.78	42.53	778.15
PH-12	828.35	87	43.43	784.92	44.13	784.22	43.06	785.29	42.96	785.39
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	27.13	777.83	43.59	761.37	34.77	770.19	31.59	773.37
Pembroke #1	NA	NA	10.98	NA	NA	NA	11.11	NA	11.79	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.73	NA	8.48	NA	8.96	NA	9.89	NA
E. Century St.	NA	NA	23.84	NA	26.49	NA	29.56	NA	28.43	NA
Lwr. Beckleys. Rd.	NA	NA	53.31	NA	55.80	NA	54.83	NA	53.62	NA

Table 2-3  
 Effluent Characteristics Summary (July 2005 through June 2006)  
 Black & Decker  
 Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE					
				July 2005	August 2005	September 2005	October 2005	November 2005	December 2005
001	FLOW average	MGD	NA	0.338	0.113	0.057	0.326	0.129	0.147
	maximum	MGD	NA	1.141	1.141	0.064	0.739	0.300	0.308
	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	6.20	6.10	6.30	6.10	6.10	6.00
	maximum	STD	8.5	7.00	6.90	6.70	7.30	7.10	7.40
BOD	mg/l	15	5.0	<2	7.0	<2	3.0	<2	
TSS maximum	mg/l	30	13.0	8.0	14.0	9.5	4.5	5.5	
quarterly average	mg/l	20	NR	NR	12.0	NR	NR	2.5	
101 (Monitoring Point)	FLOW average	MGD	NA	0.257	0.260	0.237	0.224	0.217	0.245
	maximum	MGD	NA	0.290	0.268	0.277	0.235	0.232	0.253
	Fecal Coliform	MPN/100ml	200	<2	<2	<2	<2	<2	<2
201 (Monitoring Point)	FLOW average	MGD	NA	0.234	0.230	0.225	0.222	0.222	0.210
	maximum	MGD	NA	0.277	0.278	0.273	0.244	0.259	0.247
	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 2005 through June 2006)  
Black & Decker  
Hampstead, Maryland

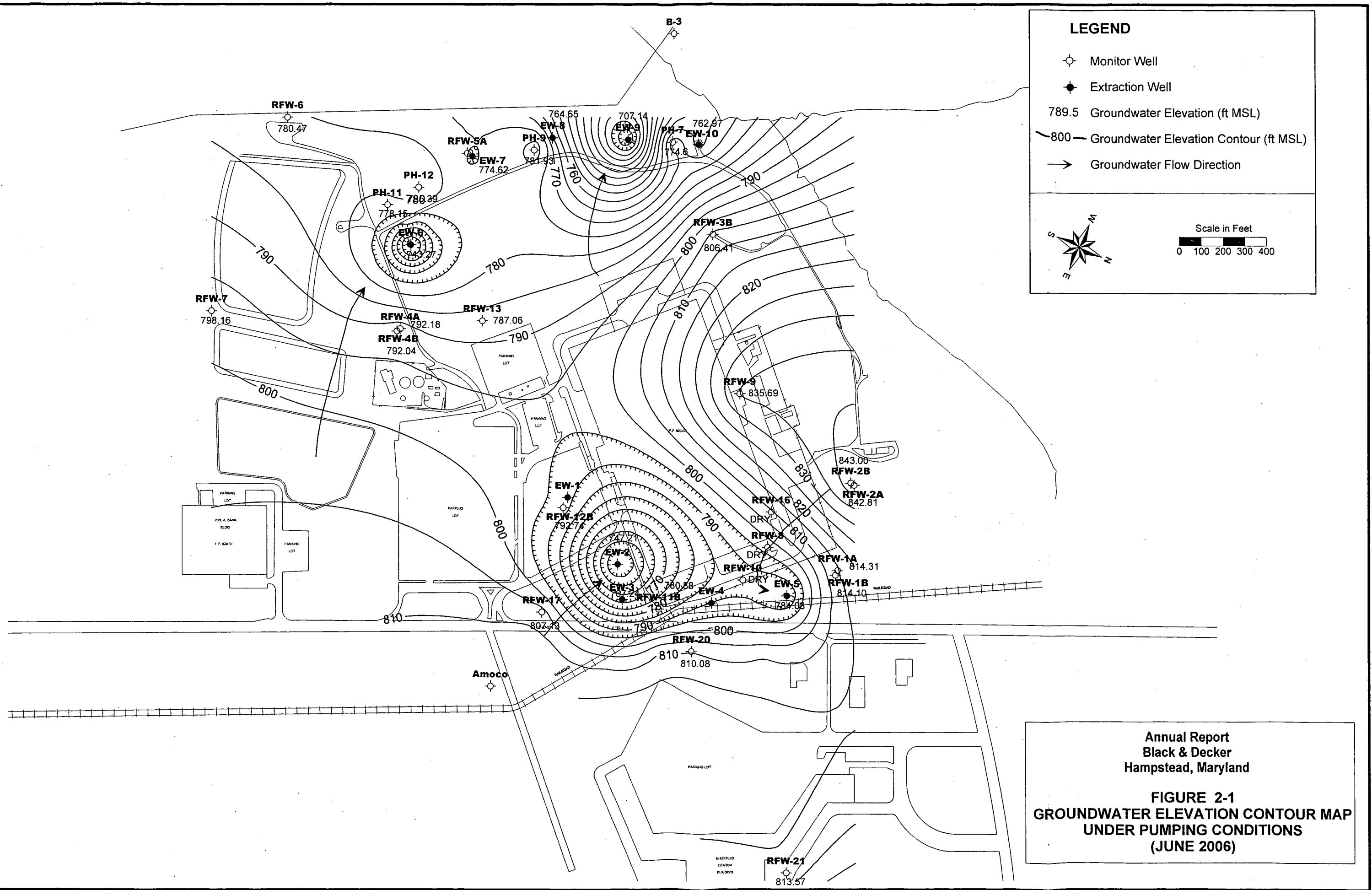
Discharge Number	Parameter	Units	Permit Limits	DMR DATE					
				January 2006	February 2006	March 2006	April 2006	May 2006	June 2006
001	FLOW average	MGD	NA	0.246	0.250	0.181	0.222	0.118	0.253
	maximum	MGD	NA	0.487	0.630	0.247	0.383	0.339	1.045
	1,1,1-Trichloroethane	ug/l	5	<5	<5	<5	<5	<5	<5
	Tetrachloroethylene	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	6.10	6.10	6.10	6.20	6.20	6.30
	maximum	STD	8.5	6.70	6.70	7.20	7.30	7.30	7.00
BOD	mg/l	15	<2	<2	<2	4.2	3.3	<2	
TSS maximum	mg/l	30	<2.5	3.5	2.8	6.5	3.5	4.2	
quarterly average	mg/l	20	NR	NR	2.5	NR	NR	2.5	
101 (Monitoring Point)	FLOW average	MGD	NA	0.217	0.251	0.251	0.244	0.231	0.226
	maximum	MGD	NA	0.256	0.275	0.275	0.285	0.238	0.234
	Fecal Coliform	MPN/100ml	200	<2	<2	<2	<2	<2	<2
201 (Monitoring Point)	FLOW average	MGD	NA	0.216	0.215	0.221	0.226	0.217	0.209
	maximum	MGD	NA	0.248	0.239	0.247	0.246	0.256	0.262
	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.



2006 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 were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 2006 (May 2006) 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 2005  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-5 (DUP)	EW-6	EW-7	EW-8	EW-9	EW-10
Chloromethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	ug/L	NS	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Disulfide	ug/L	NS	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	1 U	1 U	5 U	1 J	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U
1,2-Dichloroethene (total)	ug/L	NS	4	2.4	5 U	1 U	1 U	1 U	5.3	21	1.2	1 U
Chloroform	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	ug/L	NS	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	ug/L	NS	740	230	950	410	390	8.8	4.4	10	2.3	1 U
Dibromochloromethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-pentanone	ug/L	NS	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	ug/L	NS	5 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	ug/L	NS	68	5.5	27	13	13	21	6.9	63	180	10
1,1,2,2-Tetrachloroethane	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylene (total)	ug/L	NS	1 U	1 U	5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 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.