

**ANNUAL REPORT**

**Prepared for:**

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

**JULY 1998**

**Prepared by:**

**Roy F. Weston, Inc.  
One Weston Way  
West Chester, Pennsylvania 19380**

**W.O. No. 02501-004-001-0200**

## TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
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	2-9
3	OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM	3-1
4	TREATMENT SYSTEM PERFORMANCE	4-1
5	RECOMMENDATIONS	5-1
APPENDIX A	WITHDRAWAL REPORTS	
APPENDIX B	DISCHARGE MONITORING REPORTS	
APPENDIX C	PRE-TREATMENT ANALYTICAL RESULTS	
APPENDIX D	MAY 1998 GROUNDWATER ANALYTICAL DATA PACKAGE	

## LIST OF TABLES

<u>Table</u>	<u>Title</u>	<u>Page</u>
2-1	Treatment System Pumping Records	2-2
2-2	Groundwater Elevation Data	2-3
2-3	Effluent Characteristics Summary	2-7
2-4	Summary of Groundwater Analytical Results - August 1997	2-10
2-5	Summary of Groundwater Analytical Results - November 1997	2-13
2-6	Summary of Groundwater Analytical Results - February 1998	2-16
2-7	Summary of Groundwater Analytical Results - May 1998	2-19
3-1	Treatment System Maintenance Activities	3-2

## LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page</u>
2-1	Groundwater Elevation Contour Map Under Pumping Conditions (June 1998)	2-6

**SECTION 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 which 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.

**SECTION 2**  
**SITE CHARACTERISTICS**

**2.1 HYDRAULIC PROPERTIES**

In accordance with the Consent Order and the Water Appropriation Permit issued to the Black and Decker (U.S.) Inc. Hampstead, Maryland facility, the following pumping and water level information is included for the period of July 1997 through June 1998.

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 1997 and January through June 1998, 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 1998 water levels, a representative groundwater elevation contour map under pumping conditions is presented in Figure 2-1. At the time the data was collected, the extraction wells were pumping at a combined rate of approximately 166 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 1997 through June 1998 are included in Appendix B.

**Table 2-1**  
**Treatment System Pumping Records**  
**(July 1997 through June 1998)**

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

<b>Date</b>	<b>Water Pumped (gallons)</b>
July 1997	7,367,211
August 1997	7,157,007
September 1997	6,728,300
October 1997	6,785,750
November 1997	6,394,405
December 1997	6,401,574
January 1998	6,169,693
February 1998	5,254,613
March 1998	6,211,987
April 1998	6,507,488
May 1998	7,284,936
June 1998	7,033,729

TABLE2-1.XLS

**Table 2-2**  
**Groundwater Elevation Data (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO	TOC ELEV	TOTAL DEPTH	7/9/97		8/13/97		9/17/97		10/23/97	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	101.34	747.87	101.43	747.78	100.94	748.27	97.88	751.33
EW-3	846.64	118	84.71	761.93	85.67	760.97	85.31	761.33	86.25	760.39
EW-4	858.01	97.5	93.75	764.26	80.84	777.17	84.73	773.28	82.45	775.56
EW-5	864.17	98	87.96	776.21	86.83	777.34	86.94	777.23	87.99	776.18
EW-6	831.98	115	58.76	773.22	59.39	772.59	60.25	771.73	56.95	775.03
EW-7	818.38	78	36.08	782.30	34.71	783.67	42.40	775.98	45.49	772.89
EW-8	811.13	98	50.45	760.68	55.89	755.24	57.76	753.37	66.18	744.95
EW-9	811.35	141	82.31	729.04	87.75	723.60	88.22	723.13	96.95	714.40
EW-10	807.74	NA	48.28	759.46	51.63	756.11	52.69	755.05	56.05	751.69
RFW-1A	864.37	78	50.11	814.26	51.64	812.73	52.93	811.44	53.68	810.69
RFW-1B	864.23	200	50.41	813.82	51.66	812.57	52.83	811.40	53.72	810.51
RFW-2A	857.41	35	15.72	841.69	17.48	839.93	18.73	838.68	19.82	837.59
RFW-2B	857.73	75	16.33	841.40	18.08	839.65	19.35	838.38	20.42	837.31
RFW-3B	839.21	153	29.80	809.41	31.90	807.31	32.05	807.16	35.75	803.46
RFW-4A	830.37	62	36.69	793.68	37.33	793.04	37.73	792.64	38.11	792.26
RFW-4B	830.37	120	36.99	793.38	37.19	793.18	37.66	792.71	38.01	792.36
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	3.04	782.00	3.13	781.91	2.97	782.07	3.25	781.79
RFW-7	805.14	29	7.66	797.48	8.07	797.07	7.36	797.78	7.98	797.16
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	26.28	835.74	27.55	834.47	28.47	833.55	29.37	832.65
RFW-10	852.06	58	58.18	793.88	58.67	793.39	59.13	792.93	DRY	--
RFW-11A	849.32	72	68.80	780.52	69.11	780.21	69.64	779.68	70.11	779.21
RFW-11B	849.62	116	76.64	772.98	76.75	772.87	77.15	772.47	77.40	772.22
RFW-12B	844.87	264	52.82	792.05	53.46	791.41	54.03	790.84	54.48	790.39
RFW-13	849.11	150	56.73	792.38	58.27	790.84	59.81	789.30	60.96	788.15
RFW-14B	812.39	281	37.13	775.26	39.69	772.70	42.37	770.02	44.83	767.56
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	26.98	807.68	27.85	806.81	28.55	806.11	29.05	805.61
RFW-18	843.67	50	4.42	839.25	5.23	838.44	5.67	838.00	6.02	837.65
RFW-19	858.28	60	7.41	850.87	8.19	850.09	9.22	849.06	8.90	849.38
RFW-20	842.29	142	34.56	807.93	35.87	806.62	36.58	805.91	37.24	805.25
RFW-21	832.65	102	20.72	811.93	21.73	810.92	22.97	809.68	22.85	809.80
PH-7	805.94	89	29.05	776.89	31.62	774.32	33.17	772.77	36.85	769.09
PH-9	814.94	98	30.86	784.08	33.98	780.96	36.98	777.96	39.73	775.21
PH-11	820.68	78	39.50	781.18	40.09	780.59	40.33	780.35	39.87	780.81
PH-12	828.35	87	41.61	786.74	43.56	784.79	45.21	783.14	46.61	781.74
B-2	807.68	100	7.44	800.24	9.34	798.34	9.76	797.92	10.45	797.23
B-3	803.02	83	8.05	794.97	10.42	792.60	10.91	792.11	11.36	791.66
Amoco	842.29	NA	22.39	819.90	23.82	818.47	25.17	817.12	26.84	815.45
Hamp. Town #22	NA	NA	1.98	802.98	3.16	--	2.67	--	3.16	801.80
Pembroke #1	NA	NA	13.11	--	NA	--	15.63	--	17.05	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.64	--	NA	--	NA	--	NA	--
E. Century St.	NA	NA	10.87	--	11.14	--	17.17	--	11.28	--
Lwr. Beckleys. Rd.	NA	NA	50.92	--	52.36	--	53.58	--	54.70	--

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**  
**Groundwater Elevation Data (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

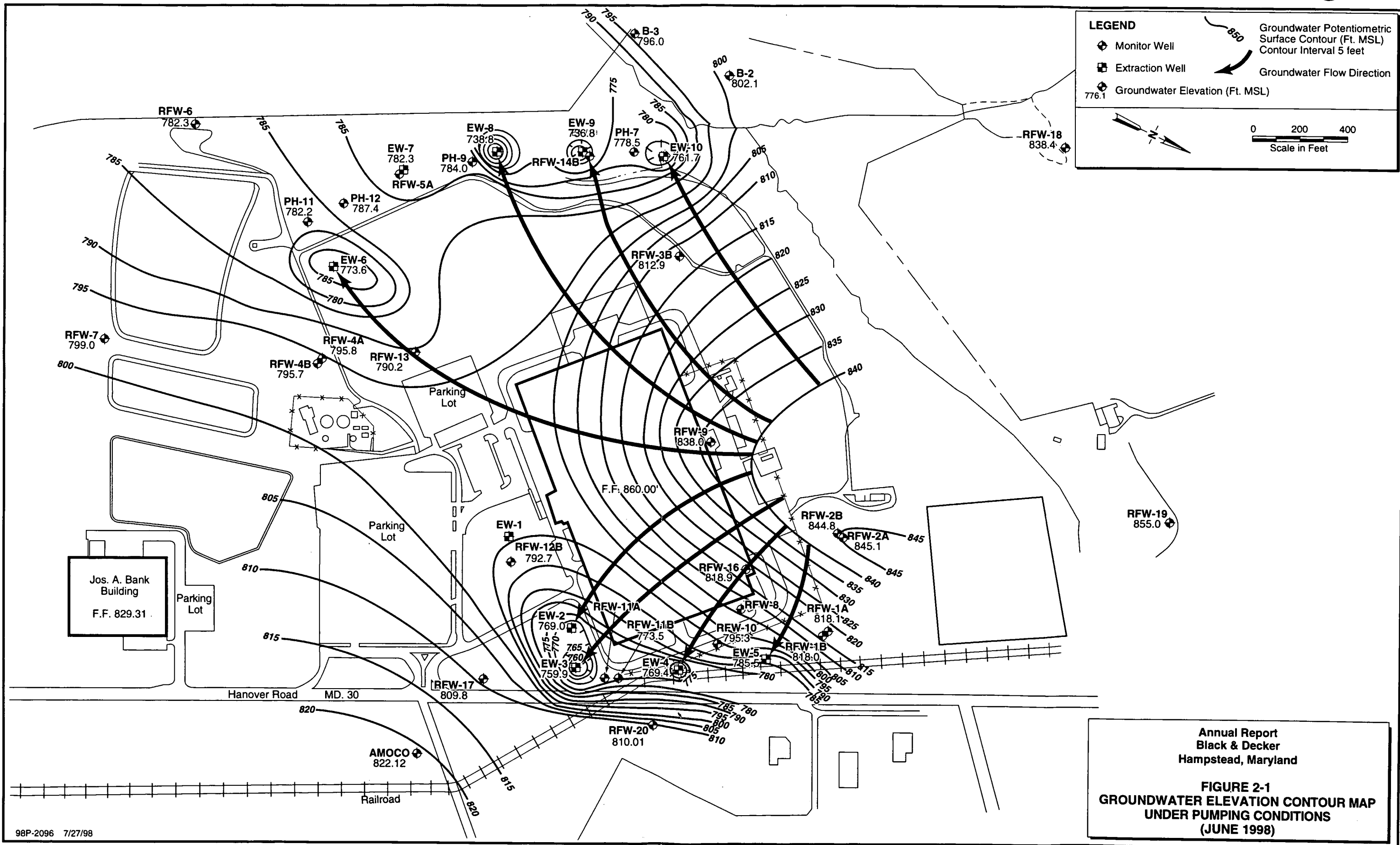
WELL NO.	TOC ELEV	TOTAL DEPTH	11/18/97		12/19/97		1/19/98		2/10/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	76.55	772.66	87.43	761.78	88.04	761.17	84.33	764.88
EW-3	846.64	118	84.86	761.78	83.91	762.73	84.73	761.91	88.23	758.41
EW-4	858.01	97.5	86.99	771.02	85.33	772.68	86.21	771.80	93.32	764.69
EW-5	864.17	98	88.11	776.06	88.37	775.80	88.28	775.89	88.06	776.11
EW-6	831.98	115	60.66	771.32	59.89	772.09	57.93	774.05	62.56	769.42
EW-7	818.38	78	47.67	770.71	48.94	769.44	47.26	771.12	44.51	773.87
EW-8	811.13	98	70.41	740.72	71.77	739.36	76.08	735.05	75.55	735.58
EW-9	811.35	141	99.38	711.97	99.93	711.42	99.84	711.51	99.50	711.85
EW-10	807.74	NA	55.67	752.07	55.58	752.16	55.14	752.60	63.68	744.06
RFW-1A	864.37	78	54.29	810.08	55.11	809.26	54.97	809.40	53.69	810.68
RFW-1B	864.23	200	54.27	809.96	55.10	809.13	54.94	809.29	53.69	810.54
RFW-2A	857.41	35	18.61	838.80	19.41	838.00	18.77	838.64	14.95	842.46
RFW-2B	857.73	75	19.26	838.47	19.87	837.86	20.04	837.69	15.60	842.13
RFW-3B	839.21	153	36.26	802.95	36.73	802.48	36.78	802.43	34.81	804.40
RFW-4A	830.37	62	39.32	791.05	39.37	791.00	39.45	790.92	38.17	792.20
RFW-4B	830.37	120	38.32	792.05	38.56	791.81	39.23	791.14	37.89	792.48
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.46	782.58	2.97	782.07	2.02	783.02	3.36	781.68
RFW-7	805.14	29	7.49	797.65	7.95	797.19	6.49	798.65	6.78	798.36
RFW-8	860.07	53	DRY	--	DRY	860.07	DRY	--	DRY	--
RFW-9	862.02	49	28.52	833.50	28.73	833.29	27.58	834.44	26.54	835.48
RFW-10	852.06	58	DRY	--	DRY	852.06	DRY	--	DRY	--
RFW-11A	849.32	72	70.30	779.02	70.61	778.71	70.77	778.55	70.56	778.76
RFW-11B	849.62	116	77.36	772.26	77.85	771.77	78.00	771.62	77.63	771.99
RFW-12B	844.87	264	54.48	790.39	54.37	790.50	54.53	790.34	54.62	790.25
RFW-13	849.11	150	61.97	787.14	62.84	786.27	62.27	786.84	63.61	785.50
RFW-14B	812.39	281	46.25	766.14	47.48	764.91	48.49	763.90	47.41	764.98
RFW-16	856.14	41	DRY	--	DRY	856.14	DRY	--	DRY	--
RFW-17	834.66	60.5	29.26	805.40	29.29	805.37	29.41	805.25	28.05	806.61
RFW-18	843.67	50	5.13	838.54	6.16	837.51	5.62	838.05	5.55	838.12
RFW-19	858.28	60	7.14	851.14	7.89	850.39	7.33	850.95	4.53	853.75
RFW-20	842.29	142	37.60	804.89	37.74	804.75	37.31	805.18	36.58	805.91
RFW-21	832.65	102	22.67	809.98	22.84	809.81	22.69	809.96	21.86	810.79
PH-7	805.94	89	37.43	768.51	37.47	768.47	37.22	768.72	35.94	770.00
PH-9	814.94	98	41.29	773.65	42.00	772.94	41.83	773.11	40.88	774.06
PH-11	820.68	78	40.86	779.82	42.10	778.58	43.13	777.55	42.87	777.81
PH-12	828.35	87	47.41	780.94	48.12	780.23	48.32	780.03	47.81	780.54
B-2	807.68	100	5.44	802.24	7.94	799.74	8.06	799.62	5.49	802.19
B-3	803.02	83	8.75	794.27	9.97	793.05	10.17	792.85	7.18	795.84
Amoco	842.29	NA	26.19	816.10	26.77	815.52	26.63	815.66	27.13	815.16
Hamp. Town #22	NA	NA	2.19	802.77	1.69	803.27	1.42	803.54	0.71	804.25
Pembroke #1	NA	NA	15.83	--	16.74	--	16.61	--	16.84	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	NA	--	9.46	--	8.94	--	8.21	--
E. Century St.	NA	NA	11.13	--	11.49	--	11.04	--	11.17	--
Lwr. Beckleys. Rd.	NA	NA	55.21	--	55.71	--	56.11	--	55.32	--

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**  
**Groundwater Elevation Data (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	3/18/98		4/17/98		5/27/98		6/26/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	87.11	762.10	84.74	764.47	74.22	774.99	80.21	769.00
EW-3	846.64	118	86.99	759.65	86.69	759.95	87.06	759.58	86.71	759.93
EW-4	858.01	97.5	91.47	766.54	89.77	768.24	80.47	777.54	88.63	769.38
EW-5	864.17	98	87.43	776.74	88.05	776.12	80.36	783.81	78.67	785.50
EW-6	831.98	115	64.10	767.88	62.12	769.86	58.12	773.86	58.43	773.55
EW-7	818.38	78	42.41	775.97	32.96	785.42	35.96	782.42	36.12	782.26
EW-8	811.13	98	75.02	736.11	68.81	742.32	71.12	740.01	72.31	738.82
EW-9	811.35	141	99.50	711.85	96.47	714.88	73.10	738.25	74.53	736.82
EW-10	807.74	NA	59.74	748.00	49.92	757.82	45.87	761.87	46.03	761.71
RFW-1A	864.37	78	54.07	810.30	47.94	816.43	46.33	818.04	46.23	818.14
RFW-1B	864.23	200	54.06	810.17	47.95	816.28	46.40	817.83	46.26	817.97
RFW-2A	857.41	35	13.87	843.54	10.76	846.65	11.01	846.40	12.32	845.09
RFW-2B	857.73	75	14.83	842.90	11.37	846.36	11.62	846.11	12.94	844.79
RFW-3B	839.21	153	33.69	805.52	32.87	806.34	25.75	813.46	26.34	812.87
RFW-4A	830.37	62	35.66	794.71	34.51	795.86	33.74	796.63	34.65	795.72
RFW-4B	830.37	120	35.40	794.97	34.31	796.06	33.59	796.78	34.62	795.75
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	3.03	782.01	2.49	782.55	2.35	782.69	2.78	782.26
RFW-7	805.14	29	6.44	798.70	6.73	798.41	5.01	800.13	6.17	798.97
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	24.73	837.29	23.81	838.21	23.43	838.59	24.07	837.95
RFW-10	852.06	58	DRY	--	DRY	--	57.26	794.80	56.87	795.19
RFW-11A	849.32	72	70.06	779.26	68.99	780.33	68.05	781.27	67.66	781.66
RFW-11B	849.62	116	77.26	772.36	76.57	773.05	75.97	773.65	75.76	773.86
RFW-12B	844.87	264	55.11	789.76	56.41	788.46	51.81	793.06	52.13	792.74
RFW-13	849.11	150	63.17	785.94	61.93	787.18	58.16	790.95	58.94	790.17
RFW-14B	812.39	281	47.16	765.23	46.96	765.43	39.62	772.77	37.64	774.75
RFW-16	856.14	41	DRY	--	DRY	--	36.73	819.41	37.21	818.93
RFW-17	834.66	60.5	28.41	806.25	24.94	809.72	24.19	810.47	24.84	809.82
RFW-18	843.67	50	5.33	838.34	5.89	837.78	4.66	839.01	5.31	838.36
RFW-19	858.28	60	5.02	853.26	4.78	853.50	2.90	855.38	3.28	855.00
RFW-20	842.29	142	36.23	806.26	36.02	806.47	31.93	810.56	32.41	810.08
RFW-21	832.65	102	21.36	811.29	21.48	811.17	18.90	813.75	19.08	813.57
PH-7	805.94	89	33.12	772.82	29.55	776.39	27.11	778.83	27.41	778.53
PH-9	814.94	98	34.71	780.23	35.61	779.33	30.27	784.67	30.94	784.00
PH-11	820.68	78	40.90	779.78	39.67	781.01	38.62	782.06	38.46	782.22
PH-12	828.35	87	46.42	781.93	43.05	785.30	41.61	786.74	40.94	787.41
B-2	807.68	100	5.53	802.15	6.11	801.57	5.49	802.19	5.61	802.07
B-3	803.02	83	7.27	795.75	7.43	795.59	NA	--	6.99	796.03
Amoco	842.29	NA	27.08	815.21	25.84	816.45	19.07	823.22	20.17	822.12
Hamp. Town #22	NA	NA	0.63	804.33	0.71	804.25	0.70	804.26	0.71	804.25
Pembroke #1	NA	NA	15.71	--	16.36	--	9.37	--	9.93	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	8.11	--	8.41	--	NA	--	NA	--
E. Century St.	NA	NA	10.97	--	11.18	--	9.80	--	10.17	--
Lwr. Beckleys. Rd.	NA	NA	55.62	--	56.41	--	45.50	--	46.53	--

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 1998)**

**Table 2-3**  
**Effluent Characteristics Summary (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				July 1997	August 1997	September 1997	October 1997	November 1997	December 1997	
001	FLOW	average	MGD	NA	0.053	0.088	0.077	0.232	0.281	0.223
		maximum	MGD	NA	0.081	0.131	0.154	0.489	0.798	0.248
	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	NR	NR	< 5
	pH	minimum	STD	6.0	6.67	6.50	6.71	6.85	6.89	6.49
		maximum	STD	8.5	7.34	7.29	7.02	7.29	7.24	7.43
BOD		mg/l	15	5	5	< 5	3	4	5	
TSS	maximum	mg/l	30	5	4	5	4	7	9	
	quarterly average	mg/l	20	NR	NR	5	NR	NR	7	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.257	0.531	0.561	0.534	0.557	0.534
		maximum	MGD	NA	0.264	0.538	0.584	0.551	0.570	0.563
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	average	MGD	NA	0.238	0.231	0.224	0.219	0.213	0.207
		maximum	MGD	NA	0.251	0.259	0.238	0.232	0.238	0.234
	1,1,1-Trichloroethane	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5
	Tetrachloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5
Trichloroethylene	ug/l	NA	< 5	< 5	< 5	< 5	< 5	< 5	< 5	

2-7

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

**Table 2-3**  
**Effluent Characteristics Summary (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 1998	February 1998	March 1998	April 1998	May 1998	June 1998	
001	FLOW	average	MGD	NA	0.214	0.415	0.478	0.157	0.237	0.191
		maximum	MGD	NA	0.308	0.478	1.049	0.570	0.740	0.396
	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	< 5	< 5
	pH	minimum	STD	6.0	6.48	6.77	6.44	6.84	6.72	6.86
		maximum	STD	8.5	7.04	7.20	8.39	8.37	7.31	8.41
	BOD	mg/l	15	3	<2	6	5	4	5	
TSS	maximum	mg/l	30	6	3	4	8	9	8	
	quarterly average	mg/l	20	NR	NR	4	8	9	7	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.499	0.576	0.548	0.476	0.407	0.466
		maximum	MGD	NA	0.504	0.576	0.576	0.483	0.447	0.468
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2	< 2	< 2	< 2	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.199	0.188	0.201	0.217	0.243	0.234
		maximum	MGD	NA	0.220	0.211	0.209	0.299	0.257	0.255
	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

### 2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 1997 through June 1998, approximately 589 lbs 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%), and a small percentage of 1,1,1-Trichloroethane. Analytical results of the groundwater collected at the inlet to the air stripper for the period of July 1997 through June 1998 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 1997 and the first and second quarters of 1998 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, RFW-10 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, 1,1-dichloroethene, and 1,1,2-trichloroethane. The remainder of VOCs present were detected at levels well below the Federal Maximum Concentration Levels (MCLs). The second quarter 1998 (May 1998) 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 1997  
 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-10	EW-10	RFW-1A	RFW-1B	RFW-2A
			(25)	(10)	(25)	(10)				(2)	(5)		(DUP)		
Chloromethane	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	190 B	17 J	270 B	100 B	10 B	5 U	8 JB	32 B	5 JB	5 JB	5 U	2 J	5 U
Acetone	ug/L	NS	110 JB	100 U	250 U	100 U	10 U	10 U	8 JB	14 JB	10 U	8 JB	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	120 U	50 U	120 U	50 U	5 U	11	30	9 J	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	2600	840	2300	1300	12	16	16	11 J	2 J	2 J	5 U	5 U	2 J
Dibromochloromethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	250 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	76 J	20 J	81 J	38 J	58	40	200	970	140	140	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	120 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 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 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-4B (DUP)	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10 (10)	RFW-11A	RFW-11B	RFW-12B (25)
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	2 JB	10 U	250 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U
Methylene Chloride	ug/L	9 B	4 JB	3 JB	8 B	1 JB	NS	2 JB	5 U	NS	5 U	49 JB	3 JB	5 U	69 JB
Acetone	ug/L	10 U	7 JB	10 U	12 B	8 JB	NS	12 B	10 U	NS	10 U	100 U	10 U	10 U	250 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
1,1-Dichloroethene	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	4 J	50 U	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	49	5 J	7	7	NS	4 J	5 U	NS	8	50 U	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	2 J	2 J	1 J	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	10 U	3 J	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 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	50 U	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 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	50 U	5 U	5 U	120 U
Trichloroethene	ug/L	2 J	26	160	47	44	NS	28	16	NS	24	1500	93	22	2600
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 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	50 U	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 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	50 U	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 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	100 U	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	49	220	97	92	NS	24	5 U	NS	6	46 J	2 J	5 U	82 J
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	50 U	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 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 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-18	RFW-19	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	3 JB	NS	5 U	1 JB	7	4 JB	NS	6	2 J	2 JB	4 JB	7 B
Acetone	ug/L	5 JB	NS	10 U	10 U	10 U	6 JB	NS	10 U	10 U	10 U	6 JB	10 JB
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	1 J	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 J	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	8	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	54	NS	5 U	5 U	5 U	5 U	NS	3 J	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	NS	5 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. DUP = Duplicate sample  
 J = Indicates an estimated value. NS = Not sampled  
 B = Indicates that the analyte was found in the associated blank as well as in the sample. (2.5) = Dilution factor.

Table 2-5  
 Summary of Groundwater Analytical Results - November 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-8	EW-9	EW-10	RFW-1A	RFW-1B	RFW-2A
			(20)	(10)	(25)	(10)			(2)	(DUP) (2)	(5)				
Chloromethane	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	70 JB	57 B	100 JB	43 JB	6 B	5 B	8 JB	7 JB	29 B	2 JB	5 B	2 JB	3 JB
Acetone	ug/L	NS	200 U	50 JB	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	NS	100 U	50 U	120 U	50 U	1 J	12	33	33	8 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	3000	1000	1600	1400	16	18	19	20	14 J	1 J	5 U	5 U	3 J
Dibromochloromethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	100 U	250 U	100 U	10 U	10 U	20 U	20 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	110	21 J	40 J	32 J	68	44	240	230	920	120	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	50 U	120 U	50 U	5 U	5 U	10 U	10 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 2-5  
 Summary of Groundwater Analytical Results - November 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A (2)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B (25)	RFW-13
Chloromethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	3 JB
Bromomethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
Chloroethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
Methylene Chloride	ug/L	5 B	2 JB	8 JB	2 JB	NS	2 JB	2 JB	NS	3 JB	NS	2 JB	2 JB	120 JB	4 JB
Acetone	ug/L	10 U	10 U	20 U	10 U	NS	6 JB	10 U	NS	10 U	NS	10 U	10 U	250 U	6 JB
Carbon Disulfide	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,1-Dichloroethene	ug/L	5 U	1 J	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,1-Dichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	51	4 J	7	NS	3 J	2 J	NS	5 J	NS	5 U	5 U	120 U	5 U
Chloroform	ug/L	5 U	5 U	10 U	2 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
2-Butanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	4 J	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Vinyl Acetate	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Trichloroethene	ug/L	4 J	29	130	63	NS	23	10	NS	28	NS	92	49	3000	6
Dibromochloromethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Benzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Bromoform	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
2-Hexanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U	10 U
Tetrachloroethene	ug/L	5 U	50	180	130	NS	22	5 U	NS	4 J	NS	2 J	5 U	80 J	43
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Toluene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Chlorobenzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Ethylbenzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Styrene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U	5 U
Xylene (total)	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 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 2-5  
 Summary of Groundwater Analytical Results - November 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-16	RFW-17	RFW-18	RFW-19	RFW-20	RFW-20 (DUP)	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	6 B	6 B	5 B	3 JB	3 JB	2 JB	7 B	NS	6 B	5 B	3 JB	5 JB	8 B
Acetone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	5 U	5 U	5 U	18	19	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	3 J	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 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 2-6  
 Summary of Groundwater Analytical Results - February 1998  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2 (20)	EW-3 (10)	EW-4 (20)	EW-5 (10)	EW-6	EW-7	EW-8 (2)	EW-9 (5)	EW-9 (DUP) (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	330 B	40 JB	67 JB	54 B	5 B	4 JB	15 B	12 JB	21 JB	7 B	5 U	2 JB	1 JB
Acetone	ug/L	NS	150 JB	100 U	200 U	27 JB	10 U	10 U	20 U	50 U	50 U	10 U	4 JB	7 JB	10 U
Carbon Disulfide	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	50 U	100 U	50 U	1 J	12	39	10 J	9 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	1 J	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	50 U	100 U	17 J	5 U	5 U	10 U	25 U	25 U	5 U	1 J	2 J	2 J
Carbon Tetrachloride	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	2600	920	1600	1800	18	18	21	15 J	16 J	5 U	5 U	5 U	6
Dibromochloromethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	100 U	200 U	100 U	10 U	10 U	20 U	50 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	110	22 J	36 J	32 J	68	51	230	890	920	72	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 U	25 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	50 U	100 U	50 U	5 U	5 U	10 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 2-6  
 Summary of Groundwater Analytical Results - February 1998  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4A	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B
				(2)	(2)	(DUP)									(2.5)
Chloromethane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Bromomethane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Methylene Chloride	ug/L	2 JB	7 B	26 B	10 B	4 JB	NS	4 JB	1 JB	NS	1 JB	NS	2 JB	2 JB	100 JB
Acetone	ug/L	10 U	10 U	18 JB	20 U	10 U	NS	10 U	4 JB	NS	3 JB	NS	3 JB	3 JB	250 U
Carbon Disulfide	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	2 J	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	2 J	NS	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	55	4 J	3 J	8	NS	3 J	2 J	NS	5	NS	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	10 U	10 U	2 J	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	1 J	250 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Trichloroethene	ug/L	5 U	22	130	110	63	NS	20	1 J	NS	25	NS	95	81	2800
Dibromochloromethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	20 U	20 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	38	180	160	150	NS	18	5 U	NS	5	NS	1 J	2 J	110 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	10 U	10 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	120 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 2-6  
 Summary of Groundwater Analytical Results - February 1998  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-18	RFW-19	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	NS	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	NS	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	NS	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	NS	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	6 B	NS	6 B	5 JB	5 JB	5 U	4 JB	5 JB	NS	2 JB	2 JB	NS	5 JB	6 B
Acetone	ug/L	10 U	NS	4 JB	3 JB	10 U	4 JB	10 U	10 U	NS	2 JB	3 JB	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	NS	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	NS	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	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	5 U	NS	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	NS	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	NS	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	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 J	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Vinyl Acetate	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	5 U	NS	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	NS	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	NS	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	10	NS	5 U	5 U	5 U	8	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	NS	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	62	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	3 J	5 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	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	NS	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	NS	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	NS	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	NS	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	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	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 2-7  
**Summary of Groundwater Analytical Results - May 1998**  
**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-10	EW-10	RFW-1A	RFW-1B	RFW-2A
			(20)	(5)	(10)	(10)			(2)	(5)		(DUP)			
Chloromethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	160 B	14 JB	75 B	76 B	3 JB	2 JB	6 JB	14 JB	3 JB	2 JB	7 B	2 JB	2 JB
Acetone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	0.9 J	10 U	25 U	5 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	2 J	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane (total)	ug/L	NS	100 U	25 U	50 U	50 U	5 U	9	37	8 J	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	2 J	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	5 U	10 U	25 U	5 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	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1800	730	1400	1100	16	17	19	11 J	1 J	5 U	5 U	5 U	1 J
Dibromochloromethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	50 U	100 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	77 J	16 J	35 J	25 J	57	42	180	810	77	77	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	25 U	50 U	50 U	5 U	5 U	10 U	25 U	5 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 2-7  
 Summary of Groundwater Analytical Results - May 1998  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A (2)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10 (10)	RFW-11A	RFW-11B	RFW-12B (25)	RFW-12B (DUP) (25)
Chloromethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Bromomethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Chloroethane	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Methylene Chloride	ug/L	3 JB	2 JB	7 JB	2 JB	NS	3 JB	7 B	NS	3 JB	64 B	3 JB	3 JB	78 JB	71 JB
Acetone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Carbon Disulfide	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,1-Dichloroethane	ug/L	5 U	2 J	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	47	3 J	5 J	NS	2 J	5 U	NS	11	50 U	5 U	5 U	120 U	120 U
Chloroform	ug/L	5 U	5 U	10 U	2 J	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
2-Butanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	19 J	5 U	5 U	120 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Trichloroethene	ug/L	2 J	7	110	110	NS	19	7	NS	32	1800	84	83	2400	2400
Dibromochloromethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Benzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Bromoform	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
2-Hexanone	ug/L	10 U	10 U	20 U	10 U	NS	10 U	10 U	NS	10 U	100 U	10 U	10 U	250 U	250 U
Tetrachloroethene	ug/L	5 U	28	140	190	NS	16	5 U	NS	10	45 J	1 J	2 J	77 J	59 J
1,1,1,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Toluene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Chlorobenzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Ethylbenzene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Styrene	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 U
Xylene (total)	ug/L	5 U	5 U	10 U	5 U	NS	5 U	5 U	NS	5 U	50 U	5 U	5 U	120 U	120 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 2-7  
 Summary of Groundwater Analytical Results - May 1998  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16 (2)	RFW-17	RFW-18	RFW-19	RFW-20	RFW-21	Town #22	Town #23	Leister Dalry	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	20 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	20 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	20 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	20 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	3 JB	4 JB	3 JB	3 JB	3 JB	3 JB	6 B	3 JB	NS	4 JB	4 JB	NS	3 JB	4 JB
Acetone	ug/L	10 U	20 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	10 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	10 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	10 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-Dichloroethene (total)	ug/L	5 U	10 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	5 U	10 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	10 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	20 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	10 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	10 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	10 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	10 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	10 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	11	200	5 U	5 U	5 U	7	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	10 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	3 J	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	10 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	10 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	10 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	20 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	20 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	61	10 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	2 J	5 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	10 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	10 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	10 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	10 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	10 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	10 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	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.

**SECTION 3**  
**OPERATION AND MAINTENANCE OF THE TREATMENT SYSTEM**

A summary of the maintenance activities which were undertaken with the extraction and treatment system during the reporting period (July 1997 through June 1998) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate, or other routine activities).

**Table 3-1**  
**Treatment System Maintenance Activities (July 1997 through June 1998)**  
**Black & Decker**  
**Hampstead, Maryland**

Date	Event/Corrective Action
July 1997	Extraction well EW-6 not operating due to faulty temperature switch/transducer. Replaced temperature switch/transducer. EW-6 operating properly.
August 1997	Contractor calibrates air stripper instruments, including the column level transducer, the by-pass valve controller, and pressure transducer.
September 1997	Installed a new flow meter instrument at extraction well EW-2.
October 1997	Extraction well EW-6 was shut down by the low temperature switch. The temperature switch settings were lowered and the unit heater thermostat settings were increased. EW-6 operating properly.
October 1997	The effluent flow meter at the treatment system was calibrated.
November 1997	The flow switch at the treatment system malfunctioned and was replaced.
January 1998	Replaced electrical lines between the air stripper control panel and water tank control panel at the treatment plant.
February 1998	Extraction well EW-3 pump alarm tripped. Replaced broken fittings at well house. EW-3 operating properly.
February 1998	Installed still well around probes in the sump located at the air stripper.
February 1998	Repaired flow meter at Extraction Well EW-7 due to malfunction.
April 1998	EW-3 turned off to repair leaking tap, EW-3 functioning properly.
June 1998	Alarm at Air Stripper, bad switch on tower, switch was replaced.
June 1998	Installed new sets of thermal overloads in all three transfer pumps.
June 1998	Bearings in blower # 1 need to be replaced, put blower # 2 online, and replace bearings in # 1. Blower # 1 back online and functioning properly.

**SECTION 4**  
**TREATMENT SYSTEM PERFORMANCE EVALUATION**

During the reporting period of July 1997 to June 1998, water levels measurements were collected on a monthly basis and, each month, water levels were evaluated to determine if an effective capture zone was maintained. Pumping rates were adjusted, as necessary, to ensure hydraulic control across the site without excessive drawdown. Significant drawdown has been observed in both shallow and deeper monitor wells throughout the long-term pumping of the extraction well system, indicating that considerable interconnection exists between the shallow and deeper groundwater.

As evidenced by the groundwater elevation contour map (see Figure 2-1), groundwater flow is still principally to the southwest, with some components to the south and east. However, depressions in the groundwater surface, due to the pumping of the extraction wells, are evident on the map and the flow lines indicate that direction of groundwater flow is toward the extraction wells. The system as presently configured is successful in meeting the objective of capture of groundwater flow on site, prohibiting the potential off site migration of contaminated groundwater. The system is also successful in treating the collected groundwater to remove the VOCs from the water. The treated discharge does not show the presence of VOCs.

**SECTION 5**  
**RECOMMENDATIONS**

As discussed in Section 4, the treatment system has created a hydraulic boundary preventing off-site migration of groundwater. Operation of the extraction system as currently configured will continue, adjusting pumping rates as necessary according to the amount of groundwater recharge. Operation of the treatment system as currently configured will also continue, because the treatment system is fully effective in removing VOCs from the extracted groundwater.

**APPENDIX A**  
**WITHDRAWAL REPORTS**





MARYLAND DEPARTMENT OF THE ENVIRONMENT  
WATER MANAGEMENT ADMINISTRATION  
WATER RIGHTS DIVISION  
2500 BROENING HIGHWAY  
BALTIMORE, MARYLAND 21224

June 15, 1998

Regarding Water Appropriation and Use Permit CL66G029(06)

Make Name/Address Changes Below

BLACK & DECKER (U.S.) INC.  
626 HANOVER PIKE  
ATTN; EARL WEDDLE  
HAMPSTEAD, MD 21074

Dear Permittee:

As a condition of your Maryland Water Appropriation and Use Permit you are required to report your water withdrawal every six months. Complete and return this form no later than July 31, 1998. If you have any questions concerning this form, please telephone the Water Rights Division at (410) 631-3591.

1998 SEMI-ANNUAL GROUND WATER WITHDRAWAL REPORT

1. Check the method used to determine your withdrawal amounts:  
(X) Flow Meter ( ) Elapsed Time Indicator  
( ) Other (Explain)
2. Enter the number of gallons of water withdrawn for each month.
  - If you have multiple intakes under this permit, please add together the monthly totals for all intakes.
  - Do not list continuous meter readings, hours pumped, or gallons in mgd.
  - Indicate a "0" for each month with no withdrawal.

January	1998	<u>6169693</u>	April	1998	<u>6507488</u>
February	1998	<u>5254613</u>	May	1998	<u>7284936</u>
March	1998	<u>6211987</u>	June	1998	<u>7033729</u>
Total:		<u>38462446</u>			

3. Please sign and date this form.

Submitted By: W. Earl Weddle Date: 07/08/98  
Title: Water Supt. Telephone Number: 410-239-5528

4. Make address corrections on the top of this form.  
Please contact this office if ownership has changed.

**APPENDIX B**

**DISCHARGE MONITORING REPORTS**

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE MONITORING SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No.2040-0004

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-16)

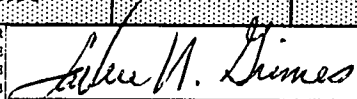
FACILITY:

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	97	07	01		97	07	31
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.053	0.081	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5		1/MONTH	GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	4/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1		1/MONTH	GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	15		1/MONTH	GRAB	
pH	SAMPLE MEASUREMENT				6.67		7.34	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50		2/WEEK	GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 4 years.)							TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager								410-239-5555	97   08   01		
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE-NUMBER	YEAR   MO   DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)  
 NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-16)

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	07	01	97	07	31
(20-21)	(22-25)	(24-25)	(26-27)	(28-26)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
BOD	SAMPLE MEASUREMENT							0	1/MONTH	GRAB
	PERMIT REQUIREMENT								1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT							0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30		1/MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 410-239-5555  
 AREA CODE-NUMBER  
 DATE  
 97 | 08 | 01  
 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No.2040-0004

**MD0001881**  
 PERMIT NUMBER  
 (2-16)

**101**  
 DISCHARGE NUMBER  
 (17-16)

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	07	01	97	07	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.257	0.264	MGD				0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS	MEASURED
FECAL COLIFORM	SAMPLE MEASUREMENT					<2	MPN/100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT					200			1/WEEK	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE  
 410-239-5555  
 AREA CODE-NUMBER  
 DATE  
 97 | 08 | 01  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS  
 (Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**DISCHARGE MONITORING REPORT (DMR)**

**MD0001881**  
 PERMIT NUMBER

**201**  
 DISCHARGE NUMBER

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM YEAR **97** MO **07** DAY **01** TO YEAR **97** MO **07** DAY **31**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.238	0.251	MGD				0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
 DATE: 97 | 08 | 01  
 AREA CODE-NUMBER: 410-239-5555  
 YEAR | MO | DAY: 97 | 08 | 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-19)

**MONITORING PERIOD**

YEAR	MO	DAY	YEAR	MO	DAY
97	08	01	97	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FACILITY:

LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (54-55)	MAXIMUM (56-57)	UNITS (58-59)	MINIMUM (46-47)	AVERAGE (48-49)	MAXIMUM (50-51)			
FLOW	SAMPLE MEASUREMENT	0.088	0.131	MGD				0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					<5		0	1/MONTH GRAB	
	PERMIT REQUIREMENT					5	ppb		1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					<5		0	1/MONTH GRAB	
	PERMIT REQUIREMENT					5	ppb		1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					<5		0	1/MONTH GRAB	
	PERMIT REQUIREMENT					5	ppb		1/MONTH GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT					<0.1		0	5/MONTH GRAB	
	PERMIT REQUIREMENT					<0.1	mg/l		1/MONTH GRAB	
OIL & GREASE	SAMPLE MEASUREMENT					<5		0	1/MONTH GRAB	
	PERMIT REQUIREMENT					10	15	mg/l	1/MONTH GRAB	
pH	SAMPLE MEASUREMENT				6.50		7.29	0	2/WEEK GRAB	
	PERMIT REQUIREMENT				6.00		8.50	STD	2/WEEK GRAB	

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
		410-239-5555	97   09   04
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE-NUMBER	YEAR   MO   DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	08	01	97	08	31
(20-21)	(22-25)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
BOD	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT									1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
 DATE: 97 | 09 | 04  
 AREA CODE-NUMBER: 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE CONTROL SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM NO. 1  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER  
 (2-16)

**101**  
 DISCHARGE NUMBER  
 (17-19)

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	08	01	97	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.531	0.538	MGD				0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS	MEASURED
FECAL COLIFORM	SAMPLE MEASUREMENT					<2	MPN/100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT					200			1/WEEK	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  <b>LaVere N. Grimes</b> <b>Facilities Manager</b>  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 3 years.)	TELEPHONE	DATE
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  <i>LaVere N. Grimes</i>	410-239-5555
		AREA CODE-NUMBER	YEAR   MO   DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS \_\_\_\_\_ (Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**DISCHARGE MONITORING REPORT (DMR)**

**MD0001881**  
 PERMIT NUMBER  
 (2-18)

**201**  
 DISCHARGE NUMBER  
 (17-19)

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	08	01	97	08	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.231	0.259	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)								TELEPHONE	DATE	
<b>LaVere N. Grimes</b> <b>Facilities Manager</b>	<i>LaVere N. Grimes</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								410-239-5555	97   09   04	
TYPED OR PRINTED									AREA CODE-NUMBER	YEAR   MO   DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)  
 NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-16)

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	09	01	97	09	30

FACILITY:

LOCATION: **CARROLL COUNTY**

(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (38-45) (46-53) (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.077	0.154	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								CONTINUOUS MEASURED
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15		1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.71		7.02	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager									SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
TYPED OR PRINTED									AREA CODE-NUMBER	YEAR   MO   DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER  
 (2-16)

**001**  
 DISCHARGE NUMBER  
 (17-16)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	09	01	97	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT									1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					5	5		0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
 DATE: 97 | 10 | 01  
 AREA CODE-NUMBER: 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)  
 NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED  
 OMB No.2040-0004

**MD0001881**  
 PERMIT NUMBER  
 (2-16)

**101**  
 DISCHARGE NUMBER  
 (17-16)

FACILITY: \_\_\_\_\_  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
97	09	01	97	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM (54-61)	UNITS (54-61)	MINIMUM (46-53)	AVERAGE (46-53)	MAXIMUM (46-53)	UNITS (54-61)			
FLOW	SAMPLE MEASUREMENT	0.561	0.584	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS	MEASURED
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 1 year.)								TELEPHONE	DATE	
<b>LaVere N. Grimes</b> <b>Facilities Manager</b>	<i>LaVere N. Grimes</i> SIGNATURE OF PRINCIPAL EXECUTIVE								410-239-5555	97   10   01	
TYPED OR PRINTED	OFFICER OR AUTHORIZED AGENT								AREA CODE-NUMBER	YEAR   MO   DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS: (Include Facility Name/Location if different)  
 NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No.2040-0004

**MD0001881**      **201**  
 PERMIT NUMBER      DISCHARGE NUMBER

(2-16)      (17-16)

**MONITORING PERIOD**

FROM      TO

YEAR	MO	DAY	YEAR	MO	DAY
97	09	01	97	09	30
(20-21)	(22-25)	(24-25)	(28-27)	(28-26)	(30-31)

NOTE: Read instructions before completing this form.

FACILITY: \_\_\_\_\_  
 LOCATION: **CARROLL COUNTY**

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.224	0.238	MGD				0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB
	PERMIT REQUIREMENT						N/A		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB
	PERMIT REQUIREMENT						N/A		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH GRAB
	PERMIT REQUIREMENT						N/A		1/MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  <b>LaVere N. Grimes</b> Facilities Manager  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREBIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THIS INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	<i>LaVere N. Grimes</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			410-239-5555	97   10   01

COMMENT AND EXPLANATION OF ANY VIOLATIONS \_\_\_\_\_ (Reference all attachments here)

PERMITTEE NAME/ADDRESS (include Facility Name/location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVAL  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16) (17-15)

**MONITORING PERIOD**

FROM: YEAR **97** MO **10** DAY **01** TO YEAR **97** MO **10** DAY **31**  
 (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY:  
 LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) (46-53) QUANTITY OR LOADING (54-61)			(4 Card Only) (38-45) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.232	0.489	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	4/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15		1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.85		7.29		0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50	STD		2/WEEK	GRAB

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
 DATE: 97 | 11 | 04  
 AREA CODE-NUMBER: 410-239-5555  
 YEAR | MO | DAY: 97 | 11 | 04

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS. (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**

ADDRESS: **626 HANOVER PIKE**

**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED

OMB No.2040-0004

**MD0001881**  
PERMIT NUMBER

**001**  
DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	10	01	97	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
<b>BOD</b>	SAMPLE MEASUREMENT							0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15	1/MONTH	GRAB
<b>TOTAL SUSPENDED SOLIDS</b>	SAMPLE MEASUREMENT							0	1/MONTH	GRAB
	PERMIT REQUIREMENT					20	30	mg/l	1/MONTH	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  <b>LaVere N. Grimes</b> <b>Facilities Manager</b>  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  <i>LaVere N. Grimes</i>	TELEPHONE  410-239-5555	DATE  97   11   04
		AREA CODE-NUMBER  103		

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)



PERMITTEE NAME/ADDRESS (Include Facility Name/location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVAL  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER

**101**  
 DISCHARGE NUMBER

(2-16)

(17-15)

FACILITY: \_\_\_\_\_

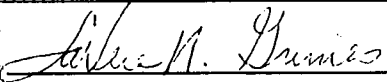
LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	10	01	97	10	31
(20-21)	(22-25)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)	
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS
FLOW	SAMPLE MEASUREMENT	0.534	0.551	MGD				0	CONTINUOUS	MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS	
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1091 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)	TELEPHONE	DATE
LaVere N. Grimes Facilities Manager TYPED OR PRINTED		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	410-239-5555
COMMENT AND EXPLANATION OF ANY VIOLATIONS	(Reference all attachments here)	AREA CODE-NUMBER	YEAR   MO   DAY

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**DISCHARGE MONITORING REPORT (DMR)**

**MD0001881**  
 PERMIT NUMBER

**201**  
 DISCHARGE NUMBER

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	10	01	97	10	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.219	0.232	MGD				0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

**LaVere N. Grimes**  
**Facilities Manager**

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

97 | 11 | 04

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**NAME: BLACK & DECKER (U.S.) INC.**  
**ADDRESS: 626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE MONITORING SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

FORM APP-1  
 OMB No. 2040-0004

**MD0001881**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-19)

**MONITORING PERIOD**

FROM 

YEAR	MO	DAY
97	11	01

 TO 

YEAR	MO	DAY
97	11	30

(20-21)

(22-23)


(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)					
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS				
FLOW	SAMPLE MEASUREMENT	0.281	0.798	MGD				0	CONTINUOUS MEASURED						
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED						
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB						
	PERMIT REQUIREMENT					5			1/MONTH GRAB						
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB						
	PERMIT REQUIREMENT					5			1/MONTH GRAB						
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					<5	ppb	0	1/MONTH GRAB						
	PERMIT REQUIREMENT					5			1/MONTH GRAB						
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT					<0.1	mg/l	0	4/MONTH GRAB						
	PERMIT REQUIREMENT					<0.1			1/MONTH GRAB						
OIL & GREASE	SAMPLE MEASUREMENT					<5	mg/l	0	1/MONTH GRAB						
	PERMIT REQUIREMENT					10 15			1/MONTH GRAB						
pH	SAMPLE MEASUREMENT				6.89	7.24	STD	0	2/WEEK GRAB						
	PERMIT REQUIREMENT				6.00	8.50			2/WEEK GRAB						
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN, AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)						TELEPHONE	DATE						
LaVere N. Grimes Facilities Manager								 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT						410-239-5555	97   12   01
TYPED OR PRINTED														AREA CODE-NUMBER	YEAR   MO   DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

NAME: **BLACK & DECKER (U.S.) INC.**

**DISCHARGE MONITORING REPORT (DMR)**

ADDRESS: **626 HANOVER PIKE**

**MD0001881**

**001**

**HAMPSTEAD, MD. 21074**

PERMIT NUMBER

DISCHARGE NUMBER

FACILITY:

(2-16)

(17-16)

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
97	11	01	97	11	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-26)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (54-61)	MAXIMUM	UNITS	MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)				
BOD	SAMPLE MEASUREMENT						4	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						7	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						20		30		1/MONTH
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
Facilities Manager  
TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
DATE: 97 | 12 | 01  
AREA CODE-NUMBER: 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: **BLACK & DECKER (U.S.) INC.**  
 ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE MONITORING SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No.2040-0004

**MD0001881**  
 PERMIT NUMBER

**101**  
 DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY: \_\_\_\_\_

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

YEAR	MO	DAY	YEAR	MO	DAY
97	11	01	97	11	30

FROM

TO

(20-21)

(22-25)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (3 Card Only)			QUALITY OR CONCENTRATION (4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS			
FLOW	SAMPLE MEASUREMENT	0.557	0.57	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								CONTINUOUS
FECAL COLIFORM	SAMPLE MEASUREMENT					<2	MPN/ 100ml		0	1/WEEK	GRAB
	PERMIT REQUIREMENT					200				1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER  
**LaVere N. Grimes**  
**Facilities Manager**  
 TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

*LaVere N. Grimes*  
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 410-239-5555  
 DATE: 97 | 12 | 01  
 AREA CODE-NUMBER: 410-239-5555  
 YEAR | MO | DAY: 97 | 12 | 01

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)