



**ANNUAL REPORT**

**Prepared for:**

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

**JULY 1997**

**Prepared by:**

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

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**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. Final versions of the documents are to become part of the Administrative Record for the site which is to be maintained at a public repository in the town of Hampstead.

**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 1996 through June 1997.

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 1996 and January through June 1997, 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 1997 water levels, a representative groundwater elevation contour map showing the potentiometric surface under pumping conditions is presented in Figure 2-1. At the time the data were collected, the extraction wells were pumping at a combined rate of approximately 170 gpm.

**2.2 EFFLUENT CHARACTERISTICS**

Effluent characteristics of the NPDES discharge points are recorded monthly on Discharge Monitoring Reports (DMRs) and are submitted to MDE, Water Management Administration, on a quarterly basis. A summary of the sample results from the DMRs is presented in Table 2-3. DMRs for the period of July 1996 through June 1997 are included in Appendix B.

**Table 2-1**  
**Treatment System Pumping Records**  
**(July 1996 through June 1997)**

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

<b>Date</b>	<b>Water Pumped (gallons)</b>
July 1996	7,626,823
August 1996	7,622,697
September 1996	7,027,815
October 1996	7,872,587
November 1996	7,738,809
December 1996	7,904,413
January 1997	7,968,460
February 1997	7,016,170
March 1997	7,769,265
April 1997	7,615,678
May 1997	7,472,126
June 1997	7,342,773

**Table 2-2**  
**Groundwater Elevation Data (July 1996 through June 1997)**  
**Black & Decker (U.S.) Inc**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	7/3/96		8/5/96		9/30/96		10/31/96	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	86.14	763.07	87.65	761.56	89.96	759.25	91.63	757.58
EW-3	846.64	118	82.78	763.86	82.76	763.88	92.49	754.15	89.73	756.91
EW-4	858.01	97.5	86.34	771.67	82.05	775.96	83.64	774.37	81.67	776.34
EW-5	864.17	98	74.88	789.29	73.21	790.96	70.08	794.09	74.48	789.69
EW-6	831.98	115	59.67	772.31	58.63	773.35	60.02	771.96	60.36	771.62
EW-7	818.38	78	40.84	777.54	39.13	779.25	37.12	781.26	37.52	780.86
EW-8	811.13	98	50.86	760.27	49.65	761.48	49.91	761.22	49.76	761.37
EW-9	811.35	141	79.73	731.62	79.73	731.62	78.96	732.39	79.21	732.14
EW-10	807.74	NA	47.00	760.74	47.76	759.98	49.11	758.63	48.78	758.96
RFW-1A	864.37	78	44.99	819.38	45.35	819.02	43.12	821.25	44.02	820.35
RFW-1B	864.23	200	45.01	819.22	45.39	818.84	43.15	821.08	44.07	820.16
RFW-2A	857.41	35	12.30	845.11	10.98	846.43	11.80	845.61	11.08	846.33
RFW-2B	857.73	75	12.94	844.79	11.62	846.11	12.36	845.37	11.71	846.02
RFW-3B	839.21	153	28.36	810.85	27.07	812.14	27.93	811.28	27.22	811.99
RFW-4A	830.37	62	33.84	796.53	34.10	796.27	35.34	795.03	34.75	795.62
RFW-4B	830.37	120	33.69	796.68	33.93	796.44	35.05	795.32	34.66	795.71
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	1.78	783.26	2.03	783.01	2.42	782.62	2.29	782.75
RFW-7	805.14	29	6.31	798.83	5.20	799.94	5.98	799.16	5.69	799.45
RFW-8	860.07	53	54.33	805.74	54.10	805.97	50.69	809.38	53.37	806.70
RFW-9	862.02	49	23.66	838.36	23.45	838.57	23.59	838.43	23.14	838.88
RFW-10	852.06	58	54.07	797.99	54.73	797.33	50.27	801.79	53.64	798.42
RFW-11A	849.32	72	65.61	783.71	67.23	782.09	67.61	781.71	67.74	781.58
RFW-11B	849.62	116	67.82	781.80	75.25	774.37	75.65	773.97	75.67	773.95
RFW-12B	844.87	264	50.54	794.33	51.13	793.74	51.21	793.66	51.41	793.46
RFW-13	849.11	150	59.33	789.78	55.74	793.37	56.06	793.05	56.86	792.25
RFW-14B	812.39	281	37.52	774.87	37.27	775.12	37.27	775.12	37.69	774.70
RFW-16	856.14	41	36.06	820.08	36.71	819.43	35.61	820.53	34.36	821.78
RFW-17	834.66	60.5	26.61	808.05	24.85	809.81	25.14	809.52	24.89	809.77
RFW-18	843.67	50	3.33	840.34	2.09	841.58	2.46	841.21	2.21	841.46
RFW-19	858.28	60	5.26	853.02	4.64	853.64	5.21	853.07	4.67	853.61
PH-7	805.94	89	27.94	778.00	27.98	777.96	28.06	777.88	28.90	777.04
PH-9	814.94	98	30.64	784.30	30.76	784.18	31.67	783.27	32.00	782.94
PH-11	820.68	78	38.61	782.07	38.12	782.56	39.00	781.68	38.89	781.79
PH-12	828.35	87	41.06	787.29	40.92	787.43	42.01	786.34	42.27	786.08
B-2	807.68	100	4.86	802.82	4.77	802.91	4.86	802.82	4.74	802.94
B-3	803.02	83	6.24	796.78	5.77	797.25	6.03	796.99	6.08	796.94
Amoco	842.29	NA	24.06	818.23	22.83	819.46	23.61	818.68	19.94	822.35
Hamp. Town #22	NA	NA	0.47	--	0.68	--	0.70	--	0.67	--
Pembroke #1	NA	NA	10.11	--	9.73	--	10.02	--	9.49	--
Pembroke #2	NA	NA	31.31	--	NA	--	32.91	--	30.63	--
N. Houcks. Rd.	NA	NA	6.94	--	7.41	--	8.53	--	6.90	--
E. Century St.	NA	NA	10.67	--	10.21	--	11.46	--	NA	--
Lwr. Beckleys. Rd.	NA	NA	48.34	--	48.13	--	49.47	--	48.09	--

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



**Table 2-2 (continued)**  
**Groundwater Elevation Data (July 1996 through June 1997)**  
**Black & Decker (U.S.) Inc**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	11/13/96		12/6/96		1/27/97		2/18/97	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	92.17	757.04	92.07	757.14	91.89	757.32	94.45	754.76
EW-3	846.64	118	82.88	763.76	83.93	762.71	84.55	762.09	85.83	760.81
EW-4	858.01	97.5	84.76	773.25	82.99	775.02	85.63	772.38	88.13	769.88
EW-5	864.17	98	82.59	781.58	87.52	776.65	94.12	770.05	87.93	776.24
EW-6	831.98	115	59.94	772.04	59.08	772.90	61.12	770.86	57.40	774.58
EW-7	818.38	78	37.73	780.65	37.57	780.81	33.81	784.57	33.10	785.28
EW-8	811.13	98	50.22	760.91	49.63	761.50	49.33	761.80	54.63	756.50
EW-9	811.35	141	81.47	729.88	80.90	730.45	81.37	729.98	79.66	731.69
EW-10	807.74	NA	48.78	758.96	46.93	760.81	47.02	760.72	49.64	758.10
RFW-1A	864.37	78	44.89	819.48	44.36	820.01	45.11	819.26	45.81	818.56
RFW-1B	864.23	200	44.85	819.38	44.34	819.89	45.05	819.18	45.87	818.36
RFW-2A	857.41	35	11.11	846.30	10.87	846.54	11.73	845.68	11.50	845.91
RFW-2B	857.73	75	11.76	845.97	11.30	846.43	12.00	845.73	12.14	845.59
RFW-3B	839.21	153	27.22	811.99	27.15	812.06	27.51	811.70	25.99	813.22
RFW-4A	830.37	62	34.59	795.78	34.51	795.86	34.86	795.51	34.99	795.38
RFW-4B	830.37	120	34.42	795.95	34.34	796.03	34.81	795.56	34.96	795.41
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.25	782.79	1.69	783.35	2.52	782.52	2.38	782.66
RFW-7	805.14	29	5.04	800.10	4.84	800.30	5.29	799.85	5.46	799.68
RFW-8	860.07	53	54.66	805.41	55.64	804.43	55.53	804.54	DRY	--
RFW-9	862.02	49	23.34	838.68	22.90	839.12	23.14	838.88	23.14	838.88
RFW-10	852.06	58	55.65	796.41	56.82	795.24	56.31	795.75	56.70	795.36
RFW-11A	849.32	72	67.79	781.53	67.78	781.54	67.28	782.04	67.45	781.87
RFW-11B	849.62	116	75.75	773.87	75.71	773.91	75.43	774.19	75.69	773.93
RFW-12B	844.87	264	51.61	793.26	51.36	793.51	52.17	792.70	51.82	793.05
RFW-13	849.11	150	57.31	791.80	56.47	792.64	56.81	792.30	54.14	794.97
RFW-14B	812.39	281	37.67	774.72	37.59	774.80	35.85	776.54	35.61	776.78
RFW-16	856.14	41	35.20	820.94	35.69	820.45	35.47	820.67	36.89	819.25
RFW-17	834.66	60.5	25.47	809.19	24.43	810.23	24.91	809.75	25.04	809.62
RFW-18	843.67	50	1.98	841.69	1.77	841.90	2.78	840.89	1.80	841.87
RFW-19	858.28	60	4.59	853.69	4.31	853.97	5.47	852.81	4.74	853.54
PH-7	805.94	89	29.00	776.94	28.24	777.70	26.53	779.41	26.39	779.55
PH-9	814.94	98	32.18	782.76	31.85	783.09	32.37	782.57	27.95	786.99
PH-11	820.68	78	38.81	781.87	38.61	782.07	37.88	782.80	37.69	782.99
PH-12	828.35	87	42.39	785.96	42.12	786.23	39.70	788.65	39.45	788.90
B-2	807.68	100	4.63	803.05	3.81	803.87	4.41	803.27	4.35	803.33
B-3	803.02	83	5.93	797.09	4.96	798.06	5.37	797.65	6.37	796.65
Amoco	842.29	NA	20.03	822.26	19.94	822.35	20.21	822.08	19.12	823.17
Hamp. Town #22	NA	NA	0.70	--	0.63	--	0.71	--	0.68	--
Pembroke #1	NA	NA	9.13	--	9.00	--	9.41	--	8.50	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	6.50	--	6.06	--	6.83	--	6.87	--
E. Century St.	NA	NA	NA	--	NA	--	10.17	--	10.31	--
Lwr. Beckleys. Rd.	NA	NA	47.14	--	46.83	--	47.31	--	NA	--

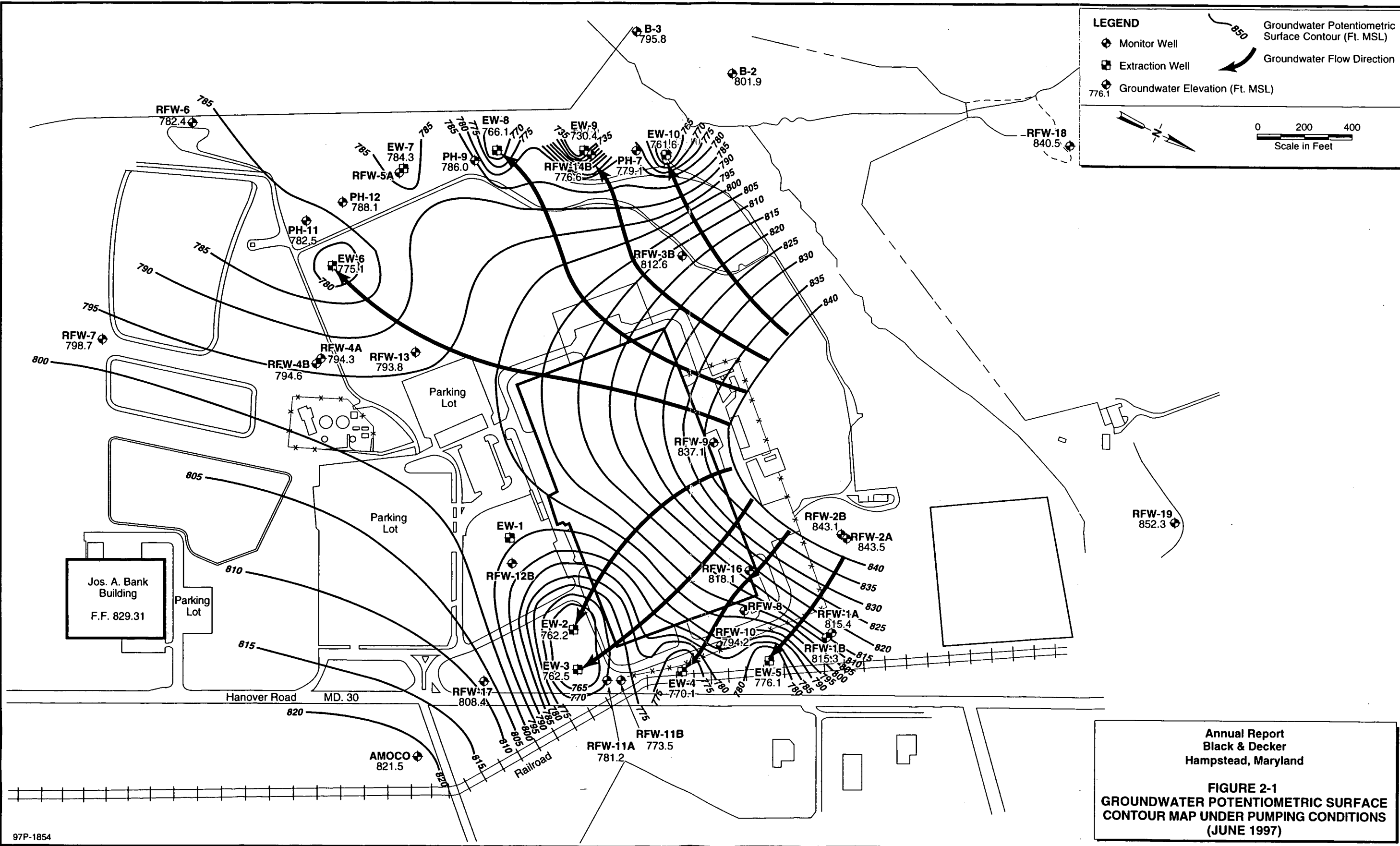
Notes: DTW - Depth to water (ft below top of well casing)  
ELEV - Groundwater elevation (ft above mean sea level)  
NA - Not Available/Not Accessible

**Table 2-2 (continued)**  
**Groundwater Elevation Data (July 1996 through June 1997)**

**Black & Decker (U.S.) Inc**  
**Hampstead, Maryland**

WELL NO.	TOC ELEV	TOTAL DEPTH	3/13/97		4/17/97		5/6/97		6/12/97	
			DTW	ELEV	DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--	NA	--
EW-2	849.21	110	87.33	761.88	91.99	757.22	87.43	761.78	87.01	762.20
EW-3	846.64	118	83.79	762.85	82.81	763.83	83.32	763.32	84.14	762.50
EW-4	858.01	97.5	86.40	771.61	83.41	774.60	89.67	768.34	87.91	770.10
EW-5	864.17	98	78.46	785.71	82.12	782.05	88.11	776.06	88.04	776.13
EW-6	831.98	115	58.63	773.35	59.00	772.98	56.73	775.25	56.89	775.09
EW-7	818.38	78	33.74	784.64	32.94	785.44	32.62	785.76	34.11	784.27
EW-8	811.13	98	53.11	758.02	48.34	762.79	44.61	766.52	45.06	766.07
EW-9	811.35	141	79.37	731.98	79.51	731.84	81.15	730.20	80.97	730.38
EW-10	807.74	NA	46.74	761.00	46.07	761.67	25.64	782.10	46.16	761.58
RFW-1A	864.37	78	45.96	818.41	46.02	818.35	47.15	817.22	48.96	815.41
RFW-1B	864.23	200	45.99	818.24	46.08	818.15	47.19	817.04	48.98	815.25
RFW-2A	857.41	35	11.53	845.88	11.37	846.04	12.61	844.80	13.93	843.48
RFW-2B	857.73	75	12.06	845.67	11.89	845.84	13.26	844.47	14.59	843.14
RFW-3B	839.21	153	26.22	812.99	26.20	813.01	26.24	812.97	26.59	812.62
RFW-4A	830.37	62	34.72	795.65	34.26	796.11	35.28	795.09	36.04	794.33
RFW-4B	830.37	120	34.61	795.76	34.19	796.18	35.22	795.15	35.82	794.55
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.28	782.76	1.13	783.91	2.44	782.60	2.62	782.42
RFW-7	805.14	29	5.68	799.46	5.57	799.57	6.34	798.80	6.48	798.66
RFW-8	860.07	53	DRY	--	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	23.37	838.65	23.32	838.70	24.13	837.89	24.90	837.12
RFW-10	852.06	58	56.58	795.48	57.02	795.04	57.35	794.71	57.82	794.24
RFW-11A	849.32	72	62.58	786.74	66.97	782.35	67.44	781.88	68.08	781.24
RFW-11B	849.62	116	74.21	775.41	74.70	774.92	75.36	774.26	76.09	773.53
RFW-12B	844.87	264	52.02	792.85	51.79	793.08	51.96	792.91	NA	--
RFW-13	849.11	150	53.86	795.25	53.83	795.28	54.44	794.67	55.28	793.83
RFW-14B	812.39	281	35.79	776.60	34.89	777.50	34.80	777.59	35.84	776.55
RFW-16	856.14	41	36.63	819.51	36.61	819.53	37.69	818.45	38.06	818.08
RFW-17	834.66	60.5	24.90	809.76	24.63	810.03	25.28	809.38	26.30	808.36
RFW-18	843.67	50	2.71	840.96	2.60	841.07	2.79	840.88	3.21	840.46
RFW-19	858.28	60	5.11	853.17	4.83	853.45	5.80	852.48	5.98	852.30
PH-7	805.94	89	26.21	779.73	25.46	780.48	25.53	780.41	26.83	779.11
PH-9	814.94	98	28.74	786.20	27.02	787.92	27.34	787.60	28.94	786.00
PH-11	820.68	78	37.91	782.77	37.33	783.35	37.56	783.12	38.17	782.51
PH-12	828.35	87	39.48	788.87	38.73	789.62	39.25	789.10	40.22	788.13
B-2	807.68	100	4.71	802.97	4.33	803.35	5.32	802.36	5.81	801.87
B-3	803.02	83	6.64	796.38	6.49	796.53	7.00	796.02	7.18	795.84
Amoco	842.29	NA	19.47	822.82	19.21	823.08	19.61	822.68	20.76	821.53
Hamp. Town #22	NA	NA	0.71	--	0.68	--	0.70	--	0.71	--
Pembroke #1	NA	NA	9.08	--	9.14	--	10.34	--	11.59	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	7.53	--	7.41	--	8.03	--	8.41	--
E. Century St.	NA	NA	10.47	--	NA	--	10.38	--	10.95	--
Lwr. Beckleys. Rd.	NA	NA	NA	--	NA	--	48.56	--	49.33	--

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



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**Table 2-3**  
**Effluent Characteristics Summary (July 1996 through June 1997)**  
**Black & Decker**  
**Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				July 1996	August 1996	September 1996	October 1996	November 1996	December 1996	
001	FLOW	average	MGD	NA	0.341	0.324	0.263	0.250	0.290	0.589
		maximum	MGD	NA	1.189	1.025	0.806	0.272	0.962	1.492
	1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	ND	ND	ND	
	Tetrachloroethylene	ug/l	5	ND	ND	ND	ND	ND	ND	
	Trichloroethylene	ug/l	5	ND	ND	ND	ND	ND	ND	
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	Oil & Grease	average	mg/l	10	NR	NR	ND	ND	ND	ND
		maximum	mg/l	15	ND	ND	ND	ND	ND	ND
	pH	minimum	STD	6.0	7.00	6.46	6.48	6.27	6.69	6.54
		maximum	STD	8.5	8.05	7.49	7.17	7.01	7.41	7.33
	BOD	mg/l	15	3	5	6	ND	2	8	
TSS	quarterly average	mg/l	20	NR	NR	10	NR	NR	8	
	maximum	mg/l	30	10	14	7	9	2	12	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.547	0.577	0.544	0.553	0.544	0.543
		maximum	MGD	NA	0.612	0.607	0.567	0.560	0.557	0.547
	Fecal Coliform	MPN/100ml	200	ND	ND	ND	ND	ND	ND	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.246	0.219	0.234	0.254	0.258	0.255
		maximum	MGD	NA	0.259	0.265	0.262	0.272	0.279	0.266
	1,1,1-Trichloroethane	ug/l	NA	ND	ND	ND	ND	ND	ND	
	Tetrachloroethylene	ug/l	NA	ND	ND	ND	ND	ND	ND	
	Trichloroethylene	ug/l	NA	ND	ND	ND	ND	ND	ND	

NA = Not Applicable  
 ND = Not Detected  
 NR = Not Reported

**Table 2-3 (Continued)**  
**Effluent Characteristics Summary (July 1996 through June 1997)**  
**Black & Decker**  
**Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE						
				January 1997	February 1997	March 1997	April 1997	May 1997	June 1997	
001	FLOW	average	MGD	NA	0.272	0.200	0.270	0.277	0.187	0.135
		maximum	MGD	NA	0.362	0.294	0.415	1.165	0.286	0.175
	1,1,1-Trichloroethane	ug/l	5	ND	ND	ND	ND	ND	ND	
	Tetrachloroethylene	ug/l	5	ND	ND	ND	ND	ND	ND	
	Trichloroethylene	ug/l	5	ND	ND	ND	ND	ND	ND	
	Total Residual Chlorine	mg/l	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
	Oil & Grease	average	mg/l	10	NR	NR	ND	ND	ND	ND
		maximum	mg/l	15	ND	ND	ND	ND	ND	ND
	pH	minimum	STD	6.0	6.86	6.79	6.88	6.35	6.46	6.42
		maximum	STD	8.5	7.30	8.04	7.25	8.12	8.06	7.78
BOD	mg/l	15	4	7	12	6	2	2		
TSS	quarterly average	mg/l	20	NR	NR	8	NR	NR	5	
	maximum	mg/l	30	7	8	8	6	5	4	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.552	0.554	0.553	0.531	0.278	0.477
		maximum	MGD	NA	0.567	0.557	0.554	0.543	0.284	0.549
	Fecal Coliform	MPN/100ml	200	ND	ND	ND	ND	ND	ND	
201 (Monitoring Point)	FLOW	average	MGD	NA	0.257	0.251	0.251	0.254	0.241	0.245
		maximum	MGD	NA	0.283	0.268	0.278	0.273	0.255	0.274
	1,1,1-Trichloroethane	ug/l	NA	ND	ND	ND	ND	ND	ND	
	Tetrachloroethylene	ug/l	NA	ND	ND	ND	ND	ND	ND	
	Trichloroethylene	ug/l	NA	ND	ND	ND	ND	ND	ND	

NA = Not Applicable  
 ND = Not Detected  
 NR = Not Reported

### 2.3 GROUNDWATER QUALITY DATA

For the reporting period of July 1996 through June 1997, approximately 929 pounds 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) (83%), tetrachloroethene (PCE) (16%), and a small percentage of 1,2-dichloroethene and 1,1,1-trichloroethane. Monthly analytical results of the groundwater prior to treatment collected at the inlet to the air stripper are included in Appendix C.

A summary of the analytical results of the groundwater samples collected from the monitor and extraction wells from the third and fourth quarters of 1996 and the first and second quarters of 1997 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 monitor well RFW-16 and the highest concentrations of PCE were detected in the groundwater samples collected from extraction well EW-9. VOCs detected at lower concentrations were 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 analytical data package for the second quarter of 1996 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 1996  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-2 (DUP) (25)	EW-3 (10)	EW-4 (100)	EW-5 (25)	EW-6	EW-7	EW-8	EW-9 (10)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	110 JB	31 BJ	69 B	930 B	150 B	6 B	4 JB	5 JB	69 B	5 JB	4 JB	5 U	3 JB
Acetone	ug/L	NS	160 JB	250 U	72 JB	1000 B	220 JB	10 U	10 U	10 U	78 JB	10 U	5 JB	10 U	10 U
Carbon Disulfide	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	2 J	5 U	50 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	3 J	2 J	50 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	120 U	120 U	50 U	500 U	120 U	2 J	12	27	11 J	1 J	5 U	5 U	5 U
Chloroform	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	3 J	5 U	50 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	3900 D	3800	1400	7400	4400	16	19	16	16 J	2 J	5 U	5 U	2 J
Dibromochloromethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	250 U	250 U	100 U	1000 U	250 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	170	99 J	25 J	170 J	79 J	92	60	230 D	970	150 D	5 U	1 J	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	120 U	120 U	50 U	500 U	120 U	5 U	5 U	5 U	50 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.

2-10

Table 2-4 (continued)  
 Summary of Groundwater Analytical Results - August 1996  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A (2)	RFW-4B (2)	RFW-5A	RFW-6	RFW-7	RFW-8 (10)	RFW-8 (DUP) (10)	RFW-9	RFW-10 (2.5)	RFW-11A	RFW-11B	RFW-12B (25)
Chloromethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	7 J	10 U	250 U
Bromomethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
Methylene Chloride	ug/L	5 B	5 B	14 B	13 B	NS	1 JB	3 BJ	73 B	45 JB	4 JB	16 B	5 JB	5 B	170 B
Acetone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	4 BJ	150 B	100 U	10 U	25 U	10 U	10 U	250 U
Carbon Disulfide	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	15	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	2 J	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 J	12 U	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	46	7 J	8 J	NS	5	3 J	50 U	11 J	14	12 U	5 U	5 U	120 U
Chloroform	ug/L	5 U	1 J	2 J	3 J	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
1,1,1-Trichloroethane	ug/L	5 U	4 J	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	78	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Trichloroethene	ug/L	3 J	27	200	170	NS	31	11	1100	1500	37	2200 D	67	47	4100
Dibromochloromethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	100 U	100 U	10 U	25 U	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	67	360	400	NS	30	5 U	20 J	31 J	18	120	2 J	1 J	81 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 U	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	50 U	50 U	5 U	12 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 (continued)  
 Summary of Groundwater Analytical Results - August 1996  
 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	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Methylene Chloride	ug/L	5 JB	9400 B	3 JB	1 JB	1 JB	6 B	4 JB	88 B	89 B	NS	13 B	4 JB
Acetone	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	40 JB	100 U	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	5000 U	5 U	5 U	5 U	1 J	5 U	50 U	50 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	2 J	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Chloroform	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
2-Butanone	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Vinyl Acetate	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Bromodichloromethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Trichloroethene	ug/L	5	110000	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Benzene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Bromoform	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	10000 U	10 U	10 U	10 U	10 U	10 U	100 U	100 U	NS	10 U	10 U
Tetrachloroethene	ug/L	52	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Toluene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Styrene	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 U	NS	5 U	5 U
Xylene (total)	ug/L	5 U	5000 U	5 U	5 U	5 U	5 U	5 U	50 U	50 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 2-5

## Summary of Groundwater Analytical Results - November 1996

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)	(10)	(25)	(20)			(2)	(5)		(DUP)			
Chloromethane	ug/L	NS	200 U	100 U	250 U	200 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	100 U	250 U	200 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	100 U	250 U	200 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	100 U	250 U	200 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	130 B	99 B	260 B	120 B	5 U	3 JB	17 B	32 B	5 JB	8 B	3 JB	4 JB	4 JB
Acetone	ug/L	NS	200 U	100 U	250 B	200 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	50 U	120 U	100 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	100 U	50 U	120 U	100 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	50 U	120 U	100 U	5 U	2 J	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	50 U	120 U	100 U	1 J	11	28	11 J	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	50 U	120 U	100 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	50 U	120 U	100 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	100 U	250 U	200 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	50 U	120 U	100 U	5 U	2 J	10 U	25 U	5 U	5 U	5 U	1 J	5 U
Carbon Tetrachloride	ug/L	NS	100 U	50 U	120 U	100 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	100 U	250 U	200 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	3400	1000	3500	2100	16	15	18	16 J	1 J	1 J	5 U	5 U	1 J
Dibromochloromethane	ug/L	NS	100 U	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	100 U	250 U	200 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	100 U	250 U	200 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	110	24 J	89 J	43 J	82	49	200	910	140	110	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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	50 U	120 U	100 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 2-5 (continued)  
 Summary of Groundwater Analytical Results - November 1996  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B
				(2)	(2)				(5)		(20)			(25)
Chloromethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
Bromomethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
Methylene Chloride	ug/L	5 JB	4 JB	4 JB	16 B	NS	4 JB	4 JB	33 B	3 JB	89 JB	4 JB	5 JB	230 B
Acetone	ug/L	10 U	10 U	20 U	20 U	NS	4 JB	10 U	50 U	10 U	200 U	10 U	6 JB	250 U
Carbon Disulfide	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	2 J	2 J	10 U	10 U	NS	5 U	5 U	25 U	5	100 U	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	52	50	5 J	7 J	NS	3 J	5 U	7 J	13	100 U	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	2 J	2 J	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
1,1,1-Trichloroethane	ug/L	2 J	2 J	10 U	10 U	NS	5 U	5 U	25 U	3 J	43 J	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	200 U	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Trichloroethene	ug/L	22	21	170	130	NS	26	8	900	30	2500	67	31	2900
Dibromochloromethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	100 U	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	20 U	20 U	NS	10 U	10 U	50 U	10 U	100 U	10 U	10 U	250 U
Tetrachloroethene	ug/L	46	43	280	200	NS	23	5 U	24 J	21	66 J	1 J	5 U	75 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 U	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	10 U	10 U	NS	5 U	5 U	25 U	5 U	100 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. 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 (continued)  
 Summary of Groundwater Analytical Results - November 1996  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16 (250)	RFW-16 (DUP) (250)	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	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	5 JB	2400 B	2000 B	6 B	4 JB	4 JB	7 B	10 B	6 B	6 B	NS	9 B	5 B
Acetone	ug/L	10 U	2500 U	2500 U	10 U	6 JB	10 U	14 B	54 B	10 U	10 U	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	1 J	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
2-Butanone	ug/L	10 U	10000 U	10000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Vinyl Acetate	ug/L	10 U	10000 U	10000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Bromodichloromethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Trichloroethene	ug/L	9	50000 D	51000 D	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Benzene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Bromoform	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	2500 U	2500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	76	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	4 J	5 U	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Toluene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Styrene	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U
Xylene (total)	ug/L	5 U	1200 U	1200 U	5 U	5 U	5 U	5 U	5 U	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 2-6

## Summary of Groundwater Analytical Results - February 1997

Black & Decker  
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-3 (DUP) (10)	EW-4 (25)	EW-5 (10)	EW-6	EW-7	EW-8 (2)	EW-9 (5)	EW-10	RFW-1A	RFW-1B	RFW-2A
Chloromethane	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	210 B	92 B	100 B	220 B	74 B	7 B	8 B	18 B	41 B	7 B	8 B	8 B	7 B
Acetone	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	2 J	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	50 U	50 U	120 U	50 U	1 J	10	29	10 J	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	50 U	50 U	120 U	11 J	5 U	1 J	10 U	25 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	3500	1100	1100	3200	1500	11	16	17	13 J	2 J	5 U	5 U	1 J
Dibromochloromethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	100 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	110	24 J	27 J	84 J	27 J	48	45	200	810	130	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	50 U	50 U	120 U	50 U	5 U	5 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 2-6 (continued)  
 Summary of Groundwater Analytical Results - February 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B
					(2)						(20)			(25)
Chloromethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Bromomethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Methylene Chloride	ug/L	8 B	8 B	7 B	14 B	NS	7 B	8 B	NS	8 B	110 B	8 B	7 B	270 B
Acetone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
1,1-Dichloroethene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	2 J	5 U	10 U	NS	5 U	5 U	NS	6	100 U	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	49	3 J	6 J	NS	3 J	5 U	NS	14	100 U	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	1 J	2 J	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	10 U	NS	5 U	5 U	NS	3 J	27 J	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Trichloroethene	ug/L	1 J	23	88	130	NS	26	7	NS	30	1300	86	31	2800
Dibromochloromethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	200 U	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	49	95	200	NS	24	5 U	NS	18	89 J	2 J	5 U	73 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 U	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	100 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 2-6 (continued)  
 Summary of Groundwater Analytical Results - February 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16 (500)	RFW-16 (DUP) (500)	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	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Bromomethane	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Chloroethane	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Methylene Chloride	ug/L	6 B	2000 BJ	1500 BJ	8 B	8 B	9 B	8 B	11 B	7 B	5 U	9 BJ	8 B	7 B
Acetone	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Carbon Disulfide	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,1-Dichloroethene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Chloroform	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
2-Butanone	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Vinyl Acetate	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Bromodichloromethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Trichloroethene	ug/L	5 J	31000	32000	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Dibromochloromethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Benzene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Bromoform	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
2-Hexanone	ug/L	10 U	5000 U	5000 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	20 U	10 U	10 U
Tetrachloroethene	ug/L	37	450 J	2500 U	5 U	5 U	5 U	5 U	5 U	4 J	5 U	10 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Toluene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Chlorobenzene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Ethylbenzene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Styrene	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	5 U	5 U
Xylene (total)	ug/L	5 U	2500 U	2500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 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.  
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DUP = Duplicate sample  
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**Table 2-7**  
**Summary of Groundwater Analytical Results - May 1997**  
**Black & Decker**  
**Hampstead, Maryland**

PARAMETER	Units	EW-1	EW-2	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-10	RFW-1A	RFW-1B	RFW-2A
			(20)	(DUP) (20)	(10)	(25)	(10)			(2)	(5)				
Chloromethane	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	320 B	360 B	160 B	190 B	49 JB	3 JB	3 JB	7 JB	23 JB	NS	8 B	1 JB	3 JB
Acetone	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	2 J	10 U	25 U	NS	5 U	5 U	5 U
1,2-Dichloroethene (total)	ug/L	NS	100 U	100 U	50 U	120 U	50 U	1 J	10	29	11 J	NS	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	2 J	10 U	25 U	NS	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Vinyl Acetate	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Bromodichloromethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Trichloroethene	ug/L	NS	2800	3500	1200	3300	1600	9	15	17	14 J	NS	5 U	5 U	2 J
Dibromochloromethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	200 U	100 U	250 U	100 U	10 U	10 U	20 U	50 U	NS	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	92 J	100 J	29 J	72 J	29 J	44	34	190	940	NS	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	100 U	50 U	120 U	50 U	5 U	5 U	10 U	25 U	NS	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 (continued)  
 Summary of Groundwater Analytical Results - May 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-10 (DUP) (10)	RFW-11A	RFW-11B	RFW-12B (25)
Chloromethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Bromomethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Chloroethane	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Methylene Chloride	ug/L	2 JB	7 B	1 JB	14 B	NS	1 JB	5 U	NS	4 JB	66 B	78 B	1 JB	1 JB	120 JB
Acetone	ug/L	10 U	5 JB	10 U	20 U	NS	5 JB	10 U	NS	10 U	62 JB	100 U	10 U	10 U	250 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
1,1-Dichloroethene	ug/L	5 U	1 J	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
1,1-Dichloroethane	ug/L	5 U	2 J	5 U	10 U	NS	5 U	5 U	NS	5	50 U	50 U	5 U	5 U	120 U
1,2-Dichloroethene (total)	ug/L	5 U	47	5	6 J	NS	3 J	2 J	NS	12	50 U	50 U	5 U	5 U	120 U
Chloroform	ug/L	5 U	5 U	2 J	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
2-Butanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	10 U	NS	5 U	5 U	NS	3 J	28 J	29 J	5 U	5 U	120 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Vinyl Acetate	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Trichloroethene	ug/L	5 U	27	160	150	NS	26	8	NS	26	1900	1900	89	41	3200
Dibromochloromethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Benzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Bromoform	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
2-Hexanone	ug/L	10 U	10 U	10 U	20 U	NS	10 U	10 U	NS	10 U	100 U	100 U	10 U	10 U	250 U
Tetrachloroethene	ug/L	5 U	50	260	230	NS	21	5 U	NS	12	44 J	43 J	2 J	5 U	74 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Toluene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Chlorobenzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Ethylbenzene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Styrene	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 U	50 U	5 U	5 U	120 U
Xylene (total)	ug/L	5 U	5 U	5 U	10 U	NS	5 U	5 U	NS	5 U	50 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 2-7 (continued)  
 Summary of Groundwater Analytical Results - May 1997  
 Black & Decker  
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16 (100)	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	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Bromomethane	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Chloroethane	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Methylene Chloride	ug/L	8 B	650 B	2 JB	1 JB	1 JB	1 JB	5 U	NS	NS	NS	2 JB	15 B
Acetone	ug/L	4 JB	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Carbon Disulfide	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,1-Dichloroethene	ug/L	1 J	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Chloroform	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,2-Dichloroethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
2-Butanone	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Vinyl Acetate	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Bromodichloromethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,2-Dichloropropane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Trichloroethene	ug/L	9	20000	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,1,2-Trichloroethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Benzene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Bromoform	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
2-Hexanone	ug/L	10 U	1000 U	10 U	10 U	10 U	10 U	10 U	NS	NS	NS	10 U	10 U
Tetrachloroethene	ug/L	55	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
1,1,1,2-Tetrachloroethane	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Toluene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Styrene	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	NS	5 U	5 U
Xylene (total)	ug/L	5 U	500 U	5 U	5 U	5 U	5 U	5 U	NS	NS	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 1996 through June 1997) 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 1996 through June 1997)**  
**Black & Decker**  
**Hampstead, Maryland**

Date	Event/Corrective Action
August 1996	Pump P-11 at air stripper shutdown due to leaking shaft and seal.
September 1996	Pump P-11 operational after installation of new shaft and replacement of seal.
September 1996	Extraction well EW-5 not operating. Checked out motor winding and power wire and cleared control valve of rust and dirt. EW-5 operating properly.
January 1997	Check-valves on pumps P-11 and P-12 at air stripper not operating properly.
February 1997	Replaced check-valves on pumps P-11 and P-12 at air stripper.
March 1997	Extraction well EW-3 pumping at lower rate. Cleaned control valve and regulator and replaced check-valve. EW-3 operating properly.
May 1997	Extraction well EW-10 not operating. Pump not working. Replace pump and motor. EW-10 operating properly.
June 1997	Alarm not functioning properly at air stripper. Need part for Kent totalizer. Contractor is currently working on fixing the problem.
June 1997	While installing water line at air stripper, determined that the treatment system is not automatically shutting down when blower is turned off. Contractor is currently working on fixing the problem.

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

During the reporting period of July 1996 to June 1997, water levels 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 potentiometric surface 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 potentiometric 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

December 13, 1996

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 January 31, 1997. If you have any questions concerning this form, please telephone the Water Rights Division at (410) 631-3591.

1996 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.

July	1996	<u>7,626,823</u>	October	1996	<u>7,872,587</u>
August	1996	<u>7,622,697</u>	November	1996	<u>7,738,809</u>
September	1996	<u>7,027,815</u>	December	1996	<u>7,904,413</u>
		Total:	<u>45,793,144</u>		

3. Please sign and date this form.

Submitted By: Earl Weddle Date: 01/07/97  
Title: Water Superintendent 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: (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)**

FOR APPROVED  
 OMB No.2040-0004

**93-DP-0022**  
 PERMIT NUMBER  
 (2-16)

**001**  
 DISCHARGE NUMBER  
 (17-18)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	07	01	96	07	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

FROM

TO

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 (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.341	1.189	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS	MEASURED
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1		0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15	mg/l	1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				7.00		8.05		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

AREA CODE-NUMBER

DATE

96 | 08 | 13

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

**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-16)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	07	01	96	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)			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						3	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						15			1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						10	mg/l	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

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  
 96 | 08 | 13  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME: (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)**

FOR APPROVED  
OMB No. 2040-0004

**93-DP-0022**  
PERMIT NUMBER  
(2-16)

**101**  
DISCHARGE NUMBER  
(17-18)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	07	01	96	07	31

FROM

TO

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	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
FLOW	SAMPLE MEASUREMENT	0.547	0.612	MGD				0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED
FECAL COLIFORM	SAMPLE MEASUREMENT					ND	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

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*LaVere N. Grimes*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

96 | 08 | 13

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

**93-DP-0022**  
 PERMIT NUMBER

**201**  
 DISCHARGE NUMBER

(2-16)

(17-16)

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

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	07	01		96	07	31
	(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)				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	0.246	0.259	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								CONTINUOUS MEASURED
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT					N/A					1/MONTH
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT					N/A					1/MONTH
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT					N/A					1/MONTH
	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

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*LaVere N. Grimes*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

96 | 08 | 13

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME: (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)**

APPROVED  
 OMB No.2040-0004

**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

FACILITY:  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD								
FROM			TO					
YEAR	MO	DAY	YEAR	MO	DAY			
96	08	01	96	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 / PERMIT REQUIREMENT	(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	0.324	1.025	MGD				0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS	MEASURED
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb	1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb	1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb	1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1	mg/l	1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	ND	mg/l	1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.46		7.49	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

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

TELEPHONE: 410-239-5555  
 DATE: 96 | 09 | 06  
 AREA CODE-NUMBER: 410-239-5555  
 YEAR | MO | DAY: 96 | 09 | 06

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

**93-DP-0022**  
PERMIT NUMBER  
(2-16)

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

FACILITY:

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

YEAR	MO	DAY	YEAR	MO	DAY
96	08	01	96	08	31

FROM (20-21) (22-23) (24-25)

TO (26-27) (28-26) (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)			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)					
<b>BOD</b>	SAMPLE MEASUREMENT							5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15			1/MONTH	GRAB
<b>TOTAL SUSPENDED SOLIDS</b>	SAMPLE MEASUREMENT							14	mg/l	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 1 year.)

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

TELEPHONE  
410-239-5555  
AREA CODE-NUMBER

DATE  
96 | 09 | 06  
YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)



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

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

ADDRESS: **626 HANOVER PIKE  
HAMPSTEAD, MD. 21074**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

APPROVED  
OMB No. 2040-0004

**93-DP-0022**  
PERMIT NUMBER

**101**  
DISCHARGE NUMBER

(2-16)

(17-16)

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

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
96	08	01	96	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	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	0.577	0.607	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS	MEASURED
FECAL COLIFORM	SAMPLE MEASUREMENT					ND		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

AREA CODE-NUMBER

DATE

96 | 09 | 06

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

**93-DP-0022**  
PERMIT NUMBER

**201**  
DISCHARGE NUMBER

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	08	01	96	08	31

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (48-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.219	0.265	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NOTE: Read instructions before completing this form.

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

96 | 09 | 06

YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ (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

**93-DP-0022**  
 PERMIT NUMBER  
 (2-16)

**001**  
 DISCHARGE NUMBER  
 (17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	09	01	96	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) (46-53) (54-61)				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.263	0.806	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND		0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH GRAB	
	PERMIT REQUIREMENT						5	ppb		1/MONTH GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1		0	3/MONTH GRAB	
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						ND	ND	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						10	15	mg/l	1/MONTH GRAB	
pH	SAMPLE MEASUREMENT				6.48		7.17		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	
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

**93-DP-0022**  
 PERMIT NUMBER  
 (2-16)

**001**  
 DISCHARGE NUMBER  
 (17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	09	01	96	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	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
BOD	SAMPLE MEASUREMENT							6	0	1/MONTH	GRAB
	PERMIT REQUIREMENT							15		1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					10		7	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: 96 | 10 | 07  
 AREA CODE-NUMBER: 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ (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

**93-DP-0022**  
 PERMIT NUMBER  
 (2-16)

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

FACILITY:  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	09	01	96	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 (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.544	0.567	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	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. § 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 <i>LaVere N. Grimes</i>		
TYPED OR PRINTED		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.**

**DISCHARGE MONITORING REPORT (DMR)**

OMB No.2040-0004

ADDRESS: **626 HANOVER PIKE**  
**HAMPSTEAD, MD. 21074**

**93-DP-0022**  
PERMIT NUMBER  
(2-16)

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

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

**MONITORING PERIOD**

YEAR	MO	DAY	YEAR	MO	DAY
96	09	01	96	09	30
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

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)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
FLOW	SAMPLE MEASUREMENT	0.234	0.262	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	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: 96 | 10 | 07  
AREA CODE-NUMBER: 410-239-5555  
YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ (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)**

APPROVED  
 OMB No.2040-0004

**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

FACILITY:

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	10	01		96	10	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 / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (38-45)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.25	0.272	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1		0	4/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15	mg/l	1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.27		7.01		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	
LaVere N. Grimes Facilities Manager									SIGNATURE OF PRINCIPAL EXECUTIVE <i>LaVere N. Grimes</i>		
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

**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY:

**MONITORING PERIOD**

LOCATION: **CARROLL COUNTY**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	10	01		96	10	31
	(20-21)	(22-25)	(24-25)		(26-27)	(28-25)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(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			
<b>BOD</b>	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT									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  
**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  
 96 | 11 | 02  
 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)



PERMITTEE NAME/ (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)**

APPROVED  
 OMB No. 2040-0004

**93-DP-0022**  
 PERMIT NUMBER  
 (2-16)

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

FACILITY:  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD						
FROM			TO			
YEAR	MO	DAY	YEAR	MO	DAY	
96	10	01	96	10	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	0.553	0.56	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								CONTINUOUS
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	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**  
 AREA CODE-NUMBER  
 DATE  
**96 | 11 | 02**  
 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

**93-DP-0022** **201**  
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-15)

FACILITY:  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	10	01	96	10	31
(20-21)	(22-25)	(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)			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)			
FLOW	SAMPLE MEASUREMENT	0.254	0.272	MGD				0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT					N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					ND	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  
**96 | 11 | 02**  
 YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)  
**NAME: BERCK & 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. 40-0004

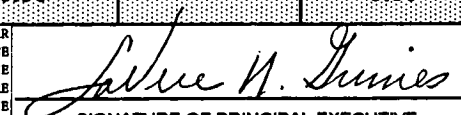
**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

FACILITY:  
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
96	11	01	96	11	30

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	UNITS	MINIMUM	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS
		(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)				
FLOW	SAMPLE MEASUREMENT	0.29	0.962	MGD				0	CONTINUOUS MEASURED		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT						CONTINUOUS MEASURED		
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH GRAB		
	PERMIT REQUIREMENT					5			1/MONTH GRAB		
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT					ND	ppb	0	1/MONTH GRAB		
	PERMIT REQUIREMENT					5			1/MONTH GRAB		
TRICHLOROETHYLENE	SAMPLE MEASUREMENT					ND	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					ND	mg/l	0	1/MONTH GRAB		
	PERMIT REQUIREMENT					10			1/MONTH GRAB		
pH	SAMPLE MEASUREMENT				6.69	7.41	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		
<b>LaVere N. Grimes</b> Facilities Manager								410-239-5555	96   12   05		
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

**93-DP-0022**  
 PERMIT NUMBER

**001**  
 DISCHARGE NUMBER

(2-16)

(17-16)

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

**MONITORING PERIOD**

LOCATION: **CARROLL COUNTY**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	11	01		96	11	30
	(20-21)	(22-23)	(24-25)		(28-27)	(28-26)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(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	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
BOD	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT							mg/l	15	1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	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										

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 1 year.)

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

TELEPHONE  
 410-239-5555  
 AREA CODE-NUMBER  
 DATE  
 96 | 12 | 05  
 10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED  
 OMB NO. 40-0004

**93-DP-0022**  
 PERMIT NUMBER

**101**  
 DISCHARGE NUMBER

(2-16) (17-16)

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

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	11	01		96	11	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	(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	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.544	0.557	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
FECAL COLIFORM	SAMPLE MEASUREMENT						ND	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. SEB 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  
**96 | 12 | 05**  
 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**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No.2040-0004

**93-DP-0022**  
 PERMIT NUMBER

**201**  
 DISCHARGE NUMBER

FACILITY:

LOCATION: **CARROLL COUNTY**

**MONITORING PERIOD**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	11	01		96	11	30

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	0.258	0.279	MGD					0	CONTINUOUS MEASURED	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS MEASURED	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND	ppb	0	1/MONTH GRAB	
	PERMIT REQUIREMENT						N/A			1/MONTH GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND	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 3 years.)

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

TELEPHONE  
 410-239-5555  
 AREA CODE-NUMBER

DATE  
 96 | 12 | 05  
 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 LIMITATION SYSTEM (NPDES)  
**DISCHARGE MONITORING REPORT (DMR)**

FORM APPROVED  
 OMB No. 2040-0004

**93-DP-0022** **001**  
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-19)

FACILITY:

**MONITORING PERIOD**

LOCATION: **CARROLL COUNTY**

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	96	12	01		96	12	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	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.589	1.492	MGD					0	CONTINUOUS	MEASURED
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							CONTINUOUS	MEASURED
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						ND		0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5	ppb		1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1		0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1	mg/l		1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						ND	ND	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						10	15	mg/l	1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.54		7.33		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 | 01 | 03**  
 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

**93-DP-0022**  
PERMIT NUMBER

**001**  
DISCHARGE NUMBER

(2-16)

(17-19)

**MONITORING PERIOD**

FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
96	12	01	96	12	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)	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	(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 (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
<b>BOD</b>	SAMPLE MEASUREMENT						<b>8</b>	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						<b>15</b>			1/MONTH	GRAB
<b>TOTAL SUSPENDED SOLIDS</b>	SAMPLE MEASUREMENT					<b>8</b>	<b>12</b>	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					<b>20</b>	<b>30</b>			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

AREA CODE-NUMBER

DATE

97 | 01 | 03

10.3

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)