

**QUARTERLY GROUNDWATER
MONITORING REPORT**

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

October 2003

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1. INTRODUCTION

This Groundwater Monitoring Report has been prepared to meet the requirements of Condition IV.G 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). Specifically, Condition IV.G calls for preparation of a Groundwater Monitoring Report containing the following information for each reporting period:

- The quantities of groundwater pumped, treated, and discharged.
- The calculation of quantities of contaminants removed from groundwater.
- A summary of all sampling analyses.
- An explanation of all operational or other problems encountered, and the manner in which each problem was resolved.
- Copies of all reports submitted to the Department of Natural Resources in conjunction with the Groundwater Appropriations Permit.
- Recommendations for changes to the Interim Groundwater Treatment System.

This document is one of several which are being prepared in response to the Consent Order; each of these documents are to be submitted to the MDE in accordance with the schedule outlined in the Consent Order. This document will become part of the Administrative Record for the site, which is maintained at the Hampstead Public Library.

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 through September 2003.

Pumping records showing the total gallons pumped per month of treatment system operation are presented in Table 2-1. The complete groundwater treatment system pumping records are included in Appendix A.

Monthly water levels for wells included in the water level monitoring plan are presented in Table 2-2. At the time the water level measurements were collected, the extraction wells were pumping at an average combined rate of approximately 157 gallons per minute (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 through September 2003 are included in Appendix B

2.3 GROUNDWATER QUALITY DATA

For the reporting period of July through September 2003, approximately 68 pounds of total volatile organic compounds (VOCs) were removed from the groundwater by the extraction and treatment system. In general, the total VOCs removed from the groundwater were comprised primarily of trichloroethene (TCE) (86 %) and tetrachlorethene (PCE) (14 %). Analytical results of the groundwater collected at the inlet to the air stripper for the period of July through September 2003 are included in Appendix C.

Table 2-1
Treatment System Pumping Records - 3rd Quarter 2003
Black & Decker
Hampstead, Maryland

Date	Water Pumped (gallons)
July 2003	7,025,777
August 2003	6,954,538
September 2003	6,668,148

Table 2-2
Groundwater Elevation Data - 3rd Quarter 2003
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	07/27/03		8/06/03		9/11/03	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	DRY	NA	DRY	NA	DRY	NA
EW-2	849.21	110	93.20	756.01	77.24	771.97	81.26	767.95
EW-3	846.64	118	91.90	754.74	77.32	769.32	84.35	762.29
EW-4	858.01	97.5	NA	NA	NA	NA	NA	NA
EW-5	864.17	98	85.48	778.69	84.34	779.83	83.77	780.40
EW-6	831.98	115	65.21	766.77	64.96	767.02	65.09	766.89
EW-7	818.38	78	42.75	775.63	41.89	776.49	45.87	772.51
EW-8	811.13	98	51.63	759.50	51.25	759.88	53.65	757.48
EW-9	811.35	141	74.14	737.21	74.97	736.38	81.56	729.79
EW-10	807.74	NA	34.37	773.37	34.73	773.01	39.59	768.15
RFW-1A	864.37	78	46.57	817.80	46.42	817.95	47.34	817.03
RFW-1B	864.23	200	46.62	817.61	46.49	817.74	47.38	816.85
RFW-2A	857.41	35	14.11	843.30	11.77	845.64	13.98	843.43
RFW-2B	857.73	75	14.27	843.46	12.41	845.32	14.26	843.47
RFW-3B	839.21	153	26.71	812.50	26.80	812.41	28.43	810.78
RFW-4A	830.37	62	34.31	796.06	34.18	796.19	36.26	794.11
RFW-4B	830.37	120	34.46	795.91	34.70	795.67	36.87	793.50
RFW-5A	817.50	30	DRY	NA	DRY	NA	DRY	NA
RFW-6	785.04	120	4.69	780.35	3.43	781.61	4.43	780.61
RFW-7	805.14	29	8.01	797.13	7.45	797.69	8.17	796.97
RFW-8	860.07	56	DRY	NA	DRY	NA	DRY	NA
RFW-9	862.02	49	23.76	838.26	23.80	838.22	27.53	834.49
RFW-10	852.06	58	DRY	NA	DRY	NA	DRY	NA
RFW-11A	849.32	72	NA	NA	NA	NA	NA	NA
RFW-11B	849.62	116	71.17	778.45	67.81	781.81	69.51	780.11
RFW-12B	844.87	264	50.94	793.93	49.60	795.27	52.68	792.19
RFW-13	849.11	150	57.46	791.65	57.20	791.91	59.33	789.78
RFW-14B	812.39	281	45.73	766.66	46.81	765.58	49.50	762.89
RFW-16	856.14	41	DRY	NA	DRY	NA	DRY	NA
RFW-17	834.66	60.5	24.00	810.66	24.18	810.48	23.96	810.70
RFW-20	842.49	142	33.29	809.20	31.32	811.17	32.98	809.51
RFW-21	832.65	102	21.08	811.57	19.86	812.79	22.64	810.01
PH-7	805.94	89	25.87	780.07	27.98	777.96	28.37	777.57
PH-9	814.94	98	49.73	765.21	51.33	763.61	52.11	762.83
PH-11	820.68	78	37.81	782.87	40.31	780.37	41.42	779.26
PH-12	828.35	87	47.99	780.36	43.38	784.97	46.85	781.50
B-3	803.02	83	8.67	794.35	8.96	794.06	NA	NA
Amoco	842.29	NA	NA	NA	NA	NA	NA	NA
Hamp. Town #22	804.96	NA	26.79	778.17	19.44	785.52	11.65	793.31
Pembroke #1	NA	NA	13.86	NA	13.96	NA	14.61	NA
Pembroke #2	NA	NA	NA	NA	NA	NA	NA	NA
N. Houcks. Rd.	NA	NA	10.91	NA	11.16	NA	11.21	NA
E. Century St.	NA	NA	19.33	NA	19.67	NA	20.34	NA
Lwr. Beckleys. Rd.	NA	NA	NA	NA	NA	NA	NA	NA

NA - Not Available/Not Accessible

**Table 2-3
Effluent Characteristics Summary - 3rd Quarter 2003
Black & Decker
Hampstead, Maryland**

Discharge Number	Parameter	Units	Permit Limits	DMR DATE		
				July 2003	August 2003	September 2003
001	FLOW	MGD	NA	0.257	0.185	0.500
		average				
		maximum				
	1,1,1-Trichloroethane	ug/l	5	< 5	< 5	< 5
	Tetrachloroethylene	ug/l	5	< 5	< 5	< 5
	Trichloroethylene	ug/l	5	< 5	< 5	< 5
	Total Residual Chlorine	mg/l	< 0.1	< 0.1	< 0.1	< 0.1
	Oil & Grease	mg/l	15	< 5	< 5	< 5
		quarterly average				
		maximum				
101 (Monitoring Point)	pH	STD	6.0	6.12	6.43	6.44
		minimum				
		maximum				
	BOD	STD	8.5	7.54	7.46	8.39
201 (Monitoring Point)	TSS	mg/l	15	< 2	3.0	< 2
		maximum				
		quarterly average				
		maximum				
201 (Monitoring Point)	FLOW	MGD	NA	0.476	0.415	0.397
		average				
		maximum				
	Fecal Coliform	MPN/100ml	200	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	MGD	NA	0.227	0.224	0.222
		average				
		maximum				
	1,1,1-Trichloroethane	ug/l	NA	0.271	0.261	0.280
Tetrachloroethylene	ug/l	NA	< 5	< 5	< 5	
Trichloroethylene	ug/l	NA	< 5	< 5	< 5	
	ug/l	NA	< 5	< 5	< 5	

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

A summary of the analytical results from the third quarter (August 2003) groundwater sampling round of the extraction and monitor wells is included in Table 2-4. The complete analytical data package is included in Appendix D. 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 concentration of TCE was detected in the groundwater samples collected from wells RFW-12B and EW-4 and the highest concentration of PCE was detected in the groundwater samples collected from extraction well EW-9 and RFW-4B. Lower concentrations of 1,2-dichloroethene were also detected. The remainder of VOC's present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

**Table 2-4
Summary of Groundwater Analytical Results - August 2003
Black & Decker
Hampstead, Maryland**

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

DUP = Duplicate sample
NS = Not sampled

**Table 2-4
Summary of Groundwater Analytical Results - August 2003
Black & Decker
Hampstead, Maryland**

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4A (DUP)	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Methylene Chloride	ug/L	5 U	5 JB	3 JB	2 JB	5 U	NS	3 JB	5 U	NS	7 B	NS	NS	5 U	16
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1-Dichloroethene	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	25 U
1,2-Dichloroethene (total)	ug/L	5 U	18	3 J	3 J	4 J	NS	2 J	5 U	NS	17	NS	NS	5 U	11
Chloroform	ug/L	5 U	5 U	1 J	1 J	2 J	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
1,1,1-Trichloroethane	ug/L	5 U	3 J	5 U	5 U	5 U	NS	5 U	5 U	NS	2 J	NS	NS	5 U	25 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trichloroethene	ug/L	2 J	13	67	63	41	NS	8	8	NS	21	NS	NS	70	400
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
4-Methyl-2-pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	NS	10 U	50 U
Tetrachloroethene	ug/L	5 U	11	65	60	120	NS	8	5 U	NS	10	NS	NS	2 J	31
1,1,1,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	NS	5 U	25 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
J = Indicates an estimated value.

DUP = Duplicate sample
NS = Not sampled

**Table 2-4
Summary of Groundwater Analytical Results - August 2003
Black & Decker
Hampstead, Maryland**

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Methylene Chloride	ug/L	5 U	NS	5 U	5 U	5 U	5 B	5 B	6 B	6 B	NS	6 B
Acetone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1-Dichloroethene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloroethane	ug/L	5 U	NS	2 J	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Trichloroethene	ug/L	31	NS	5 U	2 J	5 U	5 U	5 U	5 U	5 U	NS	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U
Tetrachloroethene	ug/L	110	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for qu DUP = Duplicate sample
J = Indicates an estimated value. NS = Not sampled

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 through September 2003) 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 - 3rd Quarter 2003
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
	No maintenance activities reported during this quarter.

Table 3-1

Treatment System Maintenance Activities – 3rd Quarter 2003

4. RECOMMENDATIONS

For the reporting period of July through September 2003, the treatment system continued to create a hydraulic boundary preventing off-site migration of groundwater. The extraction system will continue to operate as currently configured to pump and treat contaminated groundwater. Depth-to-water measurements will continue to be collected on a monthly basis in all site monitor wells to construct a groundwater elevation contour map for the site. The groundwater elevation contour map will be used to verify that the required area of groundwater capture is being maintained. If necessary, pumping rates will be adjusted to maintain groundwater capture due to seasonal fluctuations in groundwater elevations. The treatment system will also continue to operate as currently configured, as data collected have proven that the treatment system is fully effective in removing VOCs from the extracted groundwater.

APPENDIX A
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(JULY – SEPTEMBER 2003)

APPENDIX B
DISCHARGE MONITORING REPORTS
(JULY - SEPTEMBER 2003)

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(JULY - SEPTEMBER 2003)

**APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(AUGUST 2003)**

30 October 2003

Ms. Patti Davis
Waste Management Administration
Maryland Department of the Environment
2500 Broening Highway
Baltimore, MD 21224

Re: Black & Decker Hampstead Facility

Dear Ms. Davis:

On behalf of our client, Black & Decker (U.S.) Inc. (Black & Decker), Roy F. Weston, Inc. (WESTON®) provides enclosed with this letter two copies of the Quarterly Groundwater Monitoring Report for the period of July through September 2003. This report has been drafted for your review pursuant to the Administrative Consent Order of 13 April 1995.

If you have any questions regarding the enclosure, please contact me at (610) 701-7360.

Very truly yours,

ROY F. WESTON, INC.

Thomas Cornuet, P.G.
Project Manager

Enclosure

cc: L. Biagioni, B&D
V. DaGrava, B&D
T. Lynch III, M&S
K. Decker, Town of Hampstead

30 October 2003

Mr. Charlie Zeleski
Carroll County Health Department
Bureau of Environmental Health
P.O. Box 845
290 S. Center St.
Westminster, MD 21158

Re: Black & Decker Hampstead Facility

Dear Mr. Zeleski:

On behalf of our client, Black & Decker (U.S.) Inc. (Black & Decker), Roy F. Weston, Inc. provides enclosed with this letter a copy of the Quarterly Groundwater Monitoring Report for the period of July through September 2003.

If you have any questions regarding the enclosure, please contact Mr. Cornuet at (610) 701-7360.

Very truly yours,

ROY F. WESTON, INC.

Thomas Cornuet, P.G.
Project Manager

Enclosure

cc: L. Biagioni, B&D
V. DaGrava, B&D
T. Lynch III, M&S