

QUARTERLY GROUNDWATER MONITORING REPORT

Prepared for

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

JANUARY 1999

Prepared by

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SECTION 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; and 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.

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 October through December 1998.

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 146 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 October through December 1998 are included in Appendix B

2.3 GROUNDWATER QUALITY DATA

A summary of the analytical results from the fourth quarter (November 1998) 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 sample collected from extraction well EW-9. VOCs detected at lower concentrations were 1,2-dichloroethene. The remainder of VOCs present were detected at levels well below the Federal Maximum Contaminant Levels (MCL).

Table 2-1
Treatment System Pumping Records - 4th Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Water pumped (gallons)
October 1998	6,831,458
November 1998	6,068,374
December 1998	6,507,153

Table 2-2
Groundwater Elevation Data - 4th Quarter 1998
Black & Decker
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	10/23/98		11/23/98		12/17/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	81.43	767.78	80.08	769.13	73.51	775.70
EW-3	846.64	118	87.47	759.17	86.53	760.11	84.59	762.05
EW-4	858.01	97.5	86.22	771.79	84.31	773.70	80.65	777.36
EW-5	864.17	98	88.84	775.33	88.66	775.51	88.22	775.95
EW-6	831.98	115	61.05	770.93	62.41	769.57	63.89	768.09
EW-7	818.38	78	39.52	778.86	43.73	774.65	46.46	771.92
EW-8	811.13	98	75.41	735.72	74.31	736.82	69.63	741.50
EW-9	811.35	141	74.68	736.67	89.49	721.86	100.68	710.67
EW-10	807.74	NA	46.82	760.92	51.06	756.68	53.82	753.92
RFW-1A	864.37	78	51.33	813.04	52.62	811.75	53.41	810.96
RFW-1B	864.23	200	51.36	812.87	52.71	811.52	53.45	810.78
RFW-2A	857.41	35	16.08	841.33	17.91	839.50	18.36	839.05
RFW-2B	857.73	75	16.44	841.29	18.56	839.17	18.98	838.75
RFW-3B	839.21	153	29.87	809.34	34.43	804.78	34.92	804.29
RFW-4A	830.37	62	38.03	792.34	39.15	791.22	39.71	790.66
RFW-4B	830.37	120	37.96	792.41	39.20	791.17	39.66	790.71
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	3.76	781.28	4.81	780.23	5.03	780.01
RFW-7	805.14	29	7.91	797.23	9.00	796.14	9.04	796.10
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	25.88	836.14	27.94	834.08	28.00	834.02
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	68.63	780.69	69.71	779.61	70.52	778.80
RFW-11B	849.62	116	76.47	773.15	77.27	772.35	77.89	771.73
RFW-12B	844.87	264	53.21	791.66	54.31	790.56	54.86	790.01
RFW-13	849.11	150	60.67	788.44	61.47	787.64	62.47	786.64
RFW-14B	812.39	281	38.77	773.62	38.94	773.45	44.95	767.44
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	26.95	807.71	28.87	805.79	29.36	805.30
RFW-18	843.67	50	7.62	836.05	8.13	835.54	7.19	836.48
RFW-19	858.28	60	4.89	853.39	5.48	852.80	5.54	852.74
RFW-20	842.49	142	35.48	807.01	36.78	805.71	37.30	805.19
RFW-21	832.65	102	20.98	811.67	22.63	810.02	22.94	809.71
PH-7	805.94	89	28.37	777.57	28.43	777.51	35.24	770.70
PH-9	814.94	98	31.65	783.29	32.13	782.81	41.00	773.94
PH-11	820.68	78	38.53	782.15	38.48	782.20	42.66	778.02
PH-12	828.35	87	41.66	786.69	41.94	786.41	47.97	780.38
B-2	807.68	100	5.94	801.74	6.12	801.56	6.59	801.09
B-3	803.02	83	7.04	795.98	7.03	795.99	10.23	792.79
Amoco	842.29	NA	22.84	819.45	23.41	818.88	28.28	814.01
Hamp. Town #22	804.96	NA	0.73	804.23	0.70	804.26	3.31	801.65
Pembroke #1	NA	NA	10.86	--	10.83	--	16.73	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.88	--	10.04	--	10.36	--
E. Century St.	NA	NA	11.22	--	11.24	--	11.39	--
Lwr. Beckleys. Rd.	NA	NA	47.87	--	48.36	--	54.76	--

NA - Not Available/Not Accessible

Table 2-3
Effluent Characteristics Summary - 4th Quarter 1998
Black & Decker
Hampstead, Maryland

Discharge Number	Parameter	Units	Permit Limits	DMR DATE			
				October 1998	November 1998	December 1998	
001	FLOW	average	MGD	NA	0.177	0.210	0.077
		maximum	MGD	NA	0.195	1.226	0.087
	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	maximum	mg/l	15	< 5	< 5	< 5
		quarterly average	mg/l	10	NR	NR	< 5
	pH	minimum	STD	6.0	6.76	6.29	6.53
		maximum	STD	8.5	7.35	6.90	7.24
	BOD		mg/l	15	5	4	2
TSS	maximum	mg/l	30	10	8	11	
	quarterly average	mg/l	20	NR	NR	10	
101 (Monitoring Point)	FLOW	average	MGD	NA	0.473	0.471	0.476
		maximum	MGD	NA	0.490	0.475	0.477
	Fecal Coliform		MPN/100ml	200	< 2	< 2	< 2
201 (Monitoring Point)	FLOW	average	MGD	NA	0.220	0.202	0.210
		maximum	MGD	NA	0.235	0.272	0.245
	1,1,1-Trichloroethane		ug/l	NA	< 5	< 5	< 5
	Tetrachloroethylene		ug/l	NA	< 5	< 5	< 5
	Trichloroethylene		ug/l	NA	< 5	< 5	< 5

NA - Not Applicable
NR - Not Reported

Table 2-4
Summary of Groundwater Analytical Results - November 1998
Black & Decker
Hampstead, Maryland

PARAMETER	Units	EW-1	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7	EW-8	EW-9	EW-10	EW-10 (DUP)	RFW-1A	RFW-1B	RFW-2A
			(20)	(5)	(20)	(10)			(2)	(5)					
Chloromethane	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	NS	270 B	66 B	270 B	120 B	4 JB	4 JB	7 JB	74 B	4 JB	4 JB	8 B	5 JB	10 B
Acetone	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	4 JB	50 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	2 J	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	ug/L	NS	100 U	25 U	100 U	50 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	25 U	100 U	50 U	1 J	11	35	7 J	5 U	5 U	5 U	5 U	5 U
Chloroform	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
2-Butanone	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	ug/L	NS	1800 B	670 B	3200 B	960 B	15	15	19	16 JB	5 U	5 U	5 U	5 U	2 JB
Dibromochloromethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Benzene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Bromoform	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	NS	200 U	50 U	200 U	100 U	10 U	10 U	20 U	50 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	NS	83 J	15 J	65 J	21 J	55	38	180	720	53	50	5 U	10 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Toluene	ug/L	NS	100 U	8 JB	100 U	50 U	5 U	5 U	10 U	8 JB	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	ug/L	NS	100 U	13 JB	100 U	50 U	5 U	5 U	10 U	13 JB	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Styrene	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	ug/L	NS	100 U	25 U	100 U	50 U	5 U	5 U	10 U	25 U	5 U	5 U	5 U	5 U	5 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.
 B = Indicates that the analyte was found in the associated blank as well as in the sample.

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

2-6

Table 2-4
 Summary of Groundwater Analytical Results - November 1998
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	RFW-2B	RFW-3B	RFW-4A	RFW-4B	RFW-4B	RFW-5A	RFW-6	RFW-7	RFW-8	RFW-9	RFW-10	RFW-11A	RFW-11B	RFW-12B
						(DUP)									
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
Methylene Chloride	ug/L	10 B	4 JB	4 JB	4 JB	4 JB	NS	2 JB	10 B	NS	9 B	NS	3 JB	3 JB	250 B
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	7 JB	10 U	NS	10 U	NS	10 U	10 U	200 U
Carbon Disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
1,1-Dichloroethene	ug/L	5 U	1 J	5 U	5 U	5 U	NS	5 U	5 U	NS	1 J	NS	5 U	5 U	100 U
1,1-Dichloroethane	ug/L	5 U	2 J	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
1,2-Dichloroethene (total)	ug/L	5 U	50	4 J	7	7	NS	3 J	1 J	NS	8	NS	5 U	5 U	100 U
Chloroform	ug/L	5 U	5 U	1 J	1 J	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 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	5 U	5 U	100 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 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	5 U	5 U	100 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	5 U	5 U	100 U
Trichloroethene	ug/L	5 U	7	130	26	29	NS	17	16 B	NS	26 B	NS	64	140	1700 B
Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 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	5 U	5 U	100 U
Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 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	5 U	5 U	100 U
Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 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	10 U	10 U	200 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	NS	10 U	10 U	200 U
Tetrachloroethene	ug/L	5 U	21	170	74	82	NS	14	5 U	NS	6	NS	1 J	3 J	52 J
1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U
Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	NS	5 U	5 U	100 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.
 B = Indicates that the analyte was found in the associated blank as well as in the sample.

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

Table 2-4
 Summary of Groundwater Analytical Results - November 1998
 Black & Decker
 Hampstead, Maryland

PARAMETER	Units	RFW-13	RFW-16	RFW-17	RFW-18	RFW-19	RFW-20	RFW-21	Town #22	Town #23	Leister Dairy	Leister Res. #1	Leister Res. #2	Field Blank	Trip Blank
Chloromethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Bromomethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Vinyl Chloride	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Chloroethane	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Methylene Chloride	ug/L	4 JB	NS	1 JB	5 JB	4 JB	4 JB	10 B	3 JB	NS	10 B	10 B	NS	2 JB	3 JB
Acetone	ug/L	10 U	NS	10 U	33 B	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	2 JB	10 U
Carbon Disulfide	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethene	ug/L	2 J	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,1-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
1,2-Dichloroethene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chloroform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	8	5 U
1,2-Dichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
2-Butanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
1,1,1-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Carbon Tetrachloride	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Bromodichloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	6	5 U
1,2-Dichloropropane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
cis-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trichloroethene	ug/L	10	NS	5 U	5 U	5 U	10	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Dibromochloromethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	3 J	5 U
1,1,2-Trichloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Benzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Trans-1,3-Dichloropropene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Bromoform	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
4-Methyl-2-pentanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
2-Hexanone	ug/L	10 U	NS	10 U	10 U	10 U	10 U	10 U	10 U	NS	10 U	10 U	NS	10 U	10 U
Tetrachloroethene	ug/L	56	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	2 J	NS	5 U	5 U
1,1,2,2-Tetrachloroethane	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Toluene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Chlorobenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Ethylbenzene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Styrene	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U
Xylene (total)	ug/L	5 U	NS	5 U	5 U	5 U	5 U	5 U	5 U	NS	5 U	5 U	NS	5 U	5 U

Notes: U = Compound was analyzed for but not detected. Value shown is the method detection limit for quantification.
 J = Indicates an estimated value.
 B = Indicates that the analyte was found in the associated blank as well as in the sample.

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

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 (October through December 1998) is provided in Table 3-1. This table is comprehensive in summarizing significant maintenance events or activities, while not including those activities considered unworthy of note (such as replacement of light bulbs, lubrication of moving parts as appropriate, or other routine activities).

Table 3-1
Treatment System Maintenance Activities - 4th Quarter 1998
Black & Decker
Hampstead, Maryland

Date	Event/Corrective Action
November 1998	Calibrate water column in the stripper and repair damaged 4 inch PVC pipe.
November 1998	Bad timing delay relay found in EW-2, timing delay relay was replaced
December 1998	Repair leaking regulator valve to Boiler House.
December 1998	System went down for about 6 hours due to a short in the control panel, control panel was repaired and the system was up and running.

SECTION 4
RECOMMENDATIONS

For the reporting period of October through December 1998, the treatment system continued to create 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
GROUNDWATER TREATMENT SYSTEM PUMPING RECORDS
(OCTOBER-DECEMBER 1998)

MONTH / YEAR

Oct. 98

**BLACK DECKER
AIR STRIPPER # 2
OPERATING RECORD**

PAST MONTH READING

362835459

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1	T	1045	363067321	208598	18365	18201
2	F	0905	363275919	↑	18387	18201
3						
4				681801		
5	M	1005	363957730	231971	18460	18201
6	T	1105	364189691	196534	18460	18226
7	W	0820	364386225	234682	18460	18247
8	T	0935	364620907	233715	18460	18272
9	F	1030	364854622	↑	18460	18297
10						
11						
12	M			866448		
13	T	0830	365721070	228294	18460	18391
14	W	0915	365949364	217544	18485	18391
15	T	0855	366166908	225648	18509	18391
16	F	0910	366392556	↑	18533	18391
17						
18				669560		
19	M	1030	367062116	214749	18606	18391
20	T	1000	367276865	227580	18606	18415
21	W	1052	367504445	207258	18606	18439
22	T	0950	367711703	219017	18606	18462
23	F	0950	367930720	↑	18606	18487
24						
25				674368		
26	M	1105	368605088	212859	18606	18561
27	T	1030	368817947	214712	18630	18561
28	W	1020	369032659	206022	18653	18561
29	T	0910	369238681	↑	18676	18561
30	F					
31				660098		
Total				6,831,458		
Average						

NEXT MONTH READING 370118812

DATE 11-2-98

MONTH / YEAR

**BLMOR DECORER
AIR STRIPPER # 2
OPERATING RECORD**

PAST MONTH READING

Nov. 98

349238681

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1				220033		
2	M	1100	370118812	201892	18774	18561
3	T	0920	370320704	201189	18774	18583
4	W	0800	370521893	246828	18774	18626
5	T	1100	370768721	191174	18774	18633
6	F	0945	370959895	↑	18774	18654
7						
8				246375		
9	M	1030	371206210	77623	18774	18723
10	T	0855	371283893	272152	18798	18724
11	W	1025	371556045	231318	18823	18724
12	T	0940	371787363	↑	18846	18724
13	F					
14						
15				903392		
16	M	1045	372490735	210973	18846	18821
17	T	1025	372901708	228489	18870	18821
18	W	1030	373130197	210601	18894	18821
19	T	0905	373340798	224744	18912	18821
20	F	0905	373545542	↑	18941	18821
21						
22				671913		
23	M	0955	374237455	220933	19014	18821
24	T	1015	374458388	210980	19014	18845
25	W	0935	374669368	↑	19014	18868
26	T					
27	F					
28						
29				1085573		
30	M	0935	375754941	212212	19014	18988
31						
Total				6,068,374		
Average				202,300		

NEXT MONTH READING 375967153

Dec. 1

BLACK DECKER

MONTH / YEAR

AIR STRIPPER # 2
OPERATING RECORD

PAST MONTH READING

Dec, 98

375754941

Date	Day	Time	Integ. Reading	GPD	Pump # 12	Pump # 11
1	T	0920	375467153	219932	19037	18988
2	W	0955	376187085	208991	19062	18988
3	T	0920	376396076	219090	19085	18988
4	F	955	376615166	↑	19110	18988
5						
6				646945		
7	M	1030	377262111	203891	19182	18988
8	T	0930	377466002	218980	19182	19011
9	W	1015	377684982	213077	19182	19036
10	T	1036	377878059	↑	19182	19060
11	F					
12						
13				838381		
14	M	0945	378736440	171991	19182	19156
15	T	0810	378908431	245202	19195	19165
16	W	1120	379153633	194665	19195	19192
17	T	1020	379348298	↑	19195	19215
18	F					
19						
20				831727		
21	M	0935	380180025	209512	19195	19311
22	T	0940	380389537	217069	19219	19311
23	W	1030	380606604	↑	19244	19311
24	T					
25	F					
26						
27				1038770		
28	M	1015	381645376	205994	19364	19311
29	T	1000	381851370	206274	19364	19334
30	W	1000	382057644	↑	19364	19358
31	T			416662		
Total				6507153		
Average				209908		

NEXT MONTH READING 383099299

on Jan. 4

APPENDIX B
DISCHARGE MONITORING REPORTS
(OCTOBER-DECEMBER 1998)

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

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

FORM APPROVED
 OMB No.2040-0004

MD0001881 **001**
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-19)

MONITORING PERIOD

FROM

YEAR	MO	DAY
98	10	01

 TO

YEAR	MO	DAY
98	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	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.177	0.195	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	3/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.76		7.35	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK	GRAB
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN. AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)								TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager	<i>LaVere N. Grimes</i>								410-239-5555	98 11 04	
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								AREA CODE-NUMBER	YEAR MO DAY	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No. 2040-0004

MD0001881 **001**
 PERMIT NUMBER DISCHARGE NUMBER

FACILITY:
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD
 FROM YEAR 98 MO 10 DAY 01 TO YEAR 98 MO 10 DAY 31

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT							5	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		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 TYPED OR PRINTED									<i>LaVere N. Grimes</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			

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

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

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

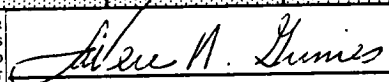
FORM APPROVED
 OMB No. 2040-0004

MD0001881 **101**
 PERMIT NUMBER DISCHARGE NUMBER
 (2-16) (17-19)

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 98 10 01 98 10 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)		(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.473	0.490	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319 (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)				 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE		
LaVere N. Grimes Facilities Manager TYPED OR PRINTED								410-239-5555	98 11 04		
COMMENT AND EXPLANATION OF ANY VIOLATIONS								AREA CODE-NUMBER	YEAR MO DAY		

(Reference all attachments here)

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

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

FORM APPROVED
 OMB No.2040-0004

MD0001881 **201**
 PERMIT NUMBER DISCHARGE NUMBER
 (2-16) (17-19)

MONITORING PERIOD
 FROM

YEAR	MO	DAY
98	10	01

 TO

YEAR	MO	DAY
98	10	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	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.220	0.235	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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

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

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

TELEPHONE **410-239-5555** DATE **98 | 11 | 04**
 AREA CODE-NUMBER

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

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

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

FORM APPROVED
 OMB No. 2040-0004

MD0001881 **001**
 PERMIT NUMBER DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR 98 MO 11 DAY 01 TO YEAR 98 MO 11 DAY 30

FACILITY:
 LOCATION: **CARROLL COUNTY**

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
FLOW	SAMPLE MEASUREMENT	0.210	1.226	MGD					0	Measured/Recorded		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded		
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5			1/MONTH	GRAB	
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5			1/MONTH	GRAB	
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						5			1/MONTH	GRAB	
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	4/MONTH	GRAB	
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB	
OIL & GREASE	SAMPLE MEASUREMENT						<5	mg/l	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB	
pH	SAMPLE MEASUREMENT				6.29		6.90	STD	0	2/WEEK	GRAB	
	PERMIT REQUIREMENT				6.00		8.50			2/WEEK	GRAB	
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include: fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager									410-239-5555		98 12 02	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							AREA CODE-NUMBER		YEAR MO DAY	

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

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)

MD0001881	001
PERMIT NUMBER	DISCHARGE NUMBER

(2-16)

(17-19)

FACILITY:

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	98	11	01		98	11	30

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
BOD	SAMPLE MEASUREMENT						4	mg/l	0	1/MONTH	GRAB	
	PERMIT REQUIREMENT						15			1/MONTH	GRAB	
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT						8	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											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER									TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager									410-239-5555		98 12 02	
TYPED OR PRINTED									AREA CODE-NUMBER		10.3	

LaVere N. Grimes
SIGNATURE OF PRINCIPAL EXECUTIVE

OFFICER OR AUTHORIZED AGENT

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No. 2040-0004

MD0001881 **101**
 PERMIT NUMBER DISCHARGE NUMBER

(2-16) (17-19)

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
98	11	01	98	11	30

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

NOTE: Read instructions before completing this form.

FACILITY: _____

LOCATION: **CARROLL COUNTY**

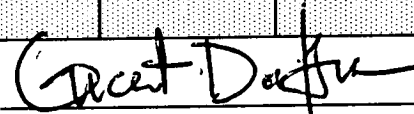
PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.471	0.475	MGD					0	Cont Measure/Record	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT								
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/ 100ml	0	1/WEEK	GRAB
	PERMIT REQUIREMENT						200			1/WEEK	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME / TITLE PRINCIPAL EXECUTIVE OFFICER

LaVere N. Grimes
Facilities Manager

TYPED OR PRINTED

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



SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

410-239-5555

AREA CODE-NUMBER

DATE

98 | 12 | 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)

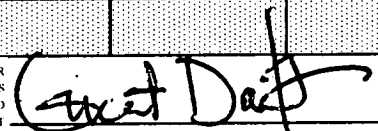
FORM APPROVED
 OMB No.2040-0004

MD0001881	201
PERMIT NUMBER	DISCHARGE NUMBER
(2-16)	(17-19)

FACILITY: _____
 LOCATION: **CARROLL COUNTY**

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	98	11	01		98	11	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)						
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS									
FLOW	SAMPLE MEASUREMENT	0.202	0.272	MGD					0	Cont Measure/Record							
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record							
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB						
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB						
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB						
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB						
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB						
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB						
	SAMPLE MEASUREMENT																
	PERMIT REQUIREMENT																
	SAMPLE MEASUREMENT																
	PERMIT REQUIREMENT																
	SAMPLE MEASUREMENT																
	PERMIT REQUIREMENT																
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE	DATE							
LaVere N. Grimes Facilities Manager									 SIGNATURE OF PRINCIPAL EXECUTIVE							410-239-5555	98 12 02
TYPED OR PRINTED									OFFICER OR AUTHORIZED AGENT							AREA CODE-NUMBER	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

FORM APPROVED
 OMB No. 2040-0004

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

(2-16)

(17-19)

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
98	12	01	98	12	31

FROM

TO

(20-21)

(22-23)

(24-25)

(26-27)

(28-29)

(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	QUANTITY OR LOADING (3 Card Only) (46-53) (54-61)			QUALITY OR CONCENTRATION (4 Card Only)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW	SAMPLE MEASUREMENT	0.077	0.087	MGD					0	Measured/Recorded	
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Measured/Recorded	
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB
	PERMIT REQUIREMENT						5			1/MONTH	GRAB
TOTAL RESIDUAL CHLORINE	SAMPLE MEASUREMENT						<0.1	mg/l	0	2/MONTH	GRAB
	PERMIT REQUIREMENT						<0.1			1/MONTH	GRAB
OIL & GREASE	SAMPLE MEASUREMENT					<5	<5	mg/l	0	1/MONTH	GRAB
	PERMIT REQUIREMENT					10	15			1/MONTH	GRAB
pH	SAMPLE MEASUREMENT				6.53		7.24	STD	0	2/WEEK	GRAB
	PERMIT REQUIREMENT				6.00		8.50			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

99 | 01 | 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

FACILITY:

LOCATION: **CARROLL COUNTY**

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
 PERMIT NUMBER

001
 DISCHARGE NUMBER

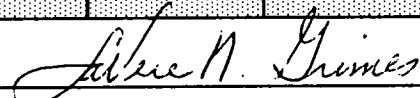
(2-16)

(17-19)

MONITORING PERIOD

FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	98	12	01		98	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 / PERMIT REQUIREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD	SAMPLE MEASUREMENT								0	1/MONTH	GRAB
	PERMIT REQUIREMENT									1/MONTH	GRAB
TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT					10	11		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	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREDIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)								TELEPHONE	DATE	
LaVere N. Grimes Facilities Manager	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT								410-239-5555	99 01 06	
TYPED OR PRINTED									AREA CODE-NUMBER	10.3	

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

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

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

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

DISCHARGE MONITORING REPORT (DMR)

MD0001881
 PERMIT NUMBER
 (2-16)

101
 DISCHARGE NUMBER
 (17-19)

FACILITY: _____

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
98	12	01	98	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS				
FLOW	SAMPLE MEASUREMENT	0.476	0.477	MGD					0	Cont Measure/Record		
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record		
FECAL COLIFORM	SAMPLE MEASUREMENT						<2	MPN/100ml	0	1/WEEK	GRAB	
	PERMIT REQUIREMENT						200			1/WEEK	GRAB	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)							TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager									410-239-5555		99 01 06	
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE <i>LaVere N. Grimes</i> 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)

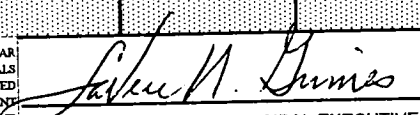
MD0001881	201
PERMIT NUMBER	DISCHARGE NUMBER
(2-16)	(17-19)

FACILITY: _____

LOCATION: **CARROLL COUNTY**

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
98	12	01	98	12	31
(20-21)	(22-23)	(24-25)	(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53) (54-61)			(4 Card Only) QUALITY OR CONCENTRATION				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS					
FLOW	SAMPLE MEASUREMENT	0.210	0.245	MGD					0	Cont Measure/Record			
	PERMIT REQUIREMENT	NO LIMIT	NO LIMIT							Cont Measure/Record			
1,1,1-TRICHLOROETHANE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB		
TETRACHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB		
TRICHLOROETHYLENE	SAMPLE MEASUREMENT						<5	ppb	0	1/MONTH	GRAB		
	PERMIT REQUIREMENT						N/A			1/MONTH	GRAB		
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
NAME / TITLE PRINCIPAL EXECUTIVE OFFICER		I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)								TELEPHONE		DATE	
LaVere N. Grimes Facilities Manager										410-239-5555		99 01 06	
TYPED OR PRINTED										AREA CODE-NUMBER			
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT													

COMMENT AND EXPLANATION OF ANY VIOLATIONS

(Reference all attachments here)

APPENDIX C
GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS
(OCTOBER-DECEMBER 1998)

Gascoyne Laboratories, Inc.



YOUR **ON-TIME** QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 5 of 13

Report no: 9805727

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(pre); grab, on 07-Oct-1998(08:22)
Laboratory Sample Number: 980021762

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	14-Oct-98(04:58)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	14-Oct-98(04:58)
Benzene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	14-Oct-98(04:58)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	14-Oct-98(04:58)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	14-Oct-98(04:58)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	14-Oct-98(04:58)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
1,1,1,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Tetrachloroethene	180 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Toluene	<25 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Trichloroethene	520 ppb	25 ppb	EPA-624	THP	14-Oct-98(04:58)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	14-Oct-98(04:58)

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Report no: 9805727

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(pre); grab, on 07-Oct-1998(08:22)
Laboratory Sample Number: 980021762

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	100 % Rec	NA	EPA-624	THP	14-Oct-98(04:58)
1,2-Dichloroethane-d4(surrogate)	100 % Rec	NA	EPA-624	THP	14-Oct-98(04:58)
Toluene-d8(surrogate)	107 % Rec	NA	EPA-624	THP	14-Oct-98(04:58)
Bromofluorobenzene(surrogate)	105 % Rec	NA	EPA-624	THP	14-Oct-98(04:58)

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Report no: 9805727

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 07-Oct-1998(08:23)
Laboratory Sample Number: 980021763

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	14-Oct-98(05:29)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	14-Oct-98(05:29)
Benzene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	14-Oct-98(05:29)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	14-Oct-98(05:29)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	14-Oct-98(05:29)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	14-Oct-98(05:29)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Toluene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	14-Oct-98(05:29)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	14-Oct-98(05:29)

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Report no: 9805727

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 07-Oct-1998(08:23)
Laboratory Sample Number: 980021763

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	102 % Rec	NA	EPA-624	THP	14-Oct-98(05:29)
1,2-Dichloroethane-d4(surrogate)	102 % Rec	NA	EPA-624	THP	14-Oct-98(05:29)
Toluene-d8(surrogate)	104 % Rec	NA	EPA-624	THP	14-Oct-98(05:29)
Bromofluorobenzene(surrogate)	103 % Rec	NA	EPA-624	THP	14-Oct-98(05:29)

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Report no: 9806305

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(Pre); grab, on 04-Nov-1998(07:40)
Laboratory Sample Number: 980023965

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	06-Nov-98(01:28)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	06-Nov-98(01:28)
Benzene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	06-Nov-98(01:28)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	06-Nov-98(01:28)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	06-Nov-98(01:28)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	06-Nov-98(01:28)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
1,1,1,2,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Tetrachloroethene	160 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Toluene	<25 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Trichloroethene	460 ppb	25 ppb	EPA-624	THP	06-Nov-98(01:28)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	06-Nov-98(01:28)

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Report no: 9806305

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIR STRIPPER#2(Pre); grab, on 04-Nov-1998(07:40)

Laboratory Sample Number: 980023965

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	100 % Rec	NA	EPA-624	THP	06-Nov-98(01:28)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-624	THP	06-Nov-98(01:28)
Toluene-d8(surrogate)	103 % Rec	NA	EPA-624	THP	06-Nov-98(01:28)
Bromofluorobenzene(surrogate)	117 % Rec	NA	EPA-624	THP	06-Nov-98(01:28)

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Report no: 9806305

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 04-Nov-1998(07:42)

Laboratory Sample Number: 980023966

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	06-Nov-98(01:59)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	06-Nov-98(01:59)
Benzene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	06-Nov-98(01:59)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	06-Nov-98(01:59)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	06-Nov-98(01:59)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	06-Nov-98(01:59)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
1,1,1,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Toluene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	06-Nov-98(01:59)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	06-Nov-98(01:59)

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Report no: 9806305

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 04-Nov-1998(07:42)

Laboratory Sample Number: 980023966

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Dibromofluoromethane(surrogate)	100 % Rec	NA	EPA-624	THP	06-Nov-98(01:59)
1,2-Dichloroethane-d4(surrogate)	103 % Rec	NA	EPA-624	THP	06-Nov-98(01:59)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-624	THP	06-Nov-98(01:59)
Bromofluorobenzene(surrogate)	113 % Rec	NA	EPA-624	THP	06-Nov-98(01:59)

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Report no: 9806849

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIRSTRIPPER#2(pre); grab, on 02-Dec-1998(08:01)
Laboratory Sample Number: 980025888

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<500 ppb	500 ppb	EPA-624	THP	08-Dec-98(17:18)
Acrylonitrile	<500 ppb	500 ppb	EPA-624	THP	08-Dec-98(17:18)
Benzene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Bromomethane	<50 ppb	50 ppb	EPA-624	THP	08-Dec-98(17:18)
Carbon Tetrachloride	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Chlorobenzene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Chloromethane	<50 ppb	50 ppb	EPA-624	THP	08-Dec-98(17:18)
1,2-Dichloropropane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,1,1-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,1-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Chloroethane	<50 ppb	50 ppb	EPA-624	THP	08-Dec-98(17:18)
2-Chloroethylvinyl Ether	<50 ppb	50 ppb	EPA-624	THP	08-Dec-98(17:18)
Chloroform	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,1-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
trans-1,2-Dichloroethene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,2-Dichloroethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
cis-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
trans-1,3-Dichloropropene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Ethylbenzene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Methylene Chloride	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,1,2-Trichloroethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Bromodichloromethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Bromoform	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Dibromochloromethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Trichlorofluoromethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
1,1,2,2-Tetrachloroethane	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Tetrachloroethene	120 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Toluene	<25 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Trichloroethene	390 ppb	25 ppb	EPA-624	THP	08-Dec-98(17:18)
Vinyl Chloride	<50 ppb	50 ppb	EPA-624	THP	08-Dec-98(17:18)
Dibromofluoromethane(surrogate)	100 % Rec	NA	EPA-624	THP	08-Dec-98(17:18)

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Report no: 9806849

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. AIRSTRIPPER#2(pre); grab, on 02-Dec-1998(08:01)
Laboratory Sample Number: 980025888

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-624	THP	08-Dec-98(17:18)
Toluene-d8(surrogate)	95 % Rec	NA	EPA-624	THP	08-Dec-98(17:18)
Bromofluorobenzene(surrogate)	103 % Rec	NA	EPA-624	THP	08-Dec-98(17:18)

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Report no: 9806849

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 02-Dec-1998(08:02)
Laboratory Sample Number: 980025889

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Acrolein	<100 ppb	100 ppb	EPA-624	THP	08-Dec-98(15:40)
Acrylonitrile	<100 ppb	100 ppb	EPA-624	THP	08-Dec-98(15:40)
Benzene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Bromomethane	<10 ppb	10 ppb	EPA-624	THP	08-Dec-98(15:40)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Chlorobenzene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Chloromethane	<10 ppb	10 ppb	EPA-624	THP	08-Dec-98(15:40)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Chloroethane	<10 ppb	10 ppb	EPA-624	THP	08-Dec-98(15:40)
2-Chloroethylvinyl Ether	<10 ppb	10 ppb	EPA-624	THP	08-Dec-98(15:40)
Chloroform	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Ethylbenzene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Methylene Chloride	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Bromodichloromethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Bromoform	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Dibromochloromethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Trichlorofluoromethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Tetrachloroethene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Toluene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Trichloroethene	<5 ppb	5 ppb	EPA-624	THP	08-Dec-98(15:40)
Vinyl Chloride	<10 ppb	10 ppb	EPA-624	THP	08-Dec-98(15:40)
Dibromofluoromethane(surrogate)	98 % Rec	NA	EPA-624	THP	08-Dec-98(15:40)

See side for explanation of terms and other information.

Gascoyne Laboratories, Inc.



YOUR ON-TIME QUALITY LAB...

Baltimore, MD 21224

REPORT OF ANALYSIS

(410) 633-1800

(800) GAS-COYN

FAX NO.
(410) 633-5443

www.gascoyne.com

Page 7 of 12

Report no: 9806849

Client: Black & Decker Company

Sample Id: Collected samples by: Gascoyne Labs, Inc. OUTFALL 201; grab, on 02-Dec-1998(08:02)
Laboratory Sample Number: 980025889

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
1,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-624	THP	08-Dec-98(15:40)
Toluene-d8(surrogate)	99 % Rec	NA	EPA-624	THP	08-Dec-98(15:40)
Bromofluorobenzene(surrogate)	104 % Rec	NA	EPA-624	THP	08-Dec-98(15:40)

APPENDIX D
GROUNDWATER ANALYTICAL DATA PACKAGE
(November 1998)



a division of Recra Environmental, Inc.

Virtual Laboratories Everywhere

Recra LabNet Philadelphia Analytical Report

Client : RFW-CONF. HAMPSTEAD
RFW#: 9811L492

W.O. #: 02501-004-001-0200-00
Date Received: 11-25-98

GC/MS VOLATILE

Thirty-five (35) water samples were collected on 11-23,24-98.

The samples and their associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260A for TCL Volatile target compounds on 12-04,07-98.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Several samples required dilution due to high levels of target compounds
4. Seven (7) of one hundred twenty-nine (129) surrogate recoveries were outside EPA QC limits. The surrogate Bromofluorobenzene was slightly low; however, there were no significant impact on the data. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
5. All matrix spike recoveries were within EPA QC limits.
6. All blank spike recoveries were within EPA QC limits.
7. The method blanks contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than the CRQL. The method blank 98LVH609-MB1 also contained the target compounds Toluene, Chlorobenzene and Trichloroethene at levels less than the CRQL. The method blank 98LVN485-MB1 also contained the target compound Chlorobenzene at a level less than the CRQL.

J. Michael Taylor
J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

12-31-98
Date

son\group\data\voa\rfw11492.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 26 pages.

001

GLOSSARY OF VOA DATA

DATA QUALIFIERS

- U = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I = Interference.
- NQ = Result qualitatively confirmed but not able to quantify.
- N = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y = Additional qualifiers used as required are explained in the case narrative.

GLOSSARY OF VOA DATA

ABBREVIATIONS

- BS** = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD** = Indicates blank spike duplicate.
- MS** = Indicates matrix spike.
- MSD** = Indicates matrix spike duplicate.
- DL** = Suffix added to sample number to indicate that results are from a diluted analysis.
- NA** = Not Applicable.
- DF** = Dilution Factor.
- NR** = Not Required.
- SP, Z** = Indicates Spiked Compound.

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 98VT468

Initiator: M Ritchie RFW Batch: 9811L492 Parameter: 0624
 Date: 12/21/98 Samples: 2,5,9,15,16,22,24,27,31 Matrix: W
 Client: Black + Decker Method: SW846/CAWW/CLPI 82L60 Prep Batch: 98LVH

1. Reason for SDR

a. COC Discrepancy Tech Profile Error Client Request Sampler Error on C-O-C
 Transcription Error Wrong Test Code Other _____

b. General Discrepancy

Missing Sample/Extract Container Broken Wrong Sample Pulled Label ID's Illegible
 Hold Time Exceeded Insufficient Sample Preservation Wrong Received Past Hold
 Improper Bottle Type Not Amenable to Analysis

Note: Verified by (Log-In) or (Prep Group) (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

Surrogate 3 (BFB) is low in samples 002, 005, 009, 015, 016, and 027. ^{also 024, 027, 031.} Target compound hits are very close to historical data. (all >80%, limit 86)

2. Known or Probable Causes(s)

3. Discussion and Proposed Action

- Re-log
 - Entire Batch
 - Following Samples: _____
- Re-leach
- Re-extract
- Re-digest
- Revise EDD
- Change Test Code to _____
- Place On/Take Off Hold (circle)

Other Description:

Report runs and narrate

pw 12-07-98

4. Project Manager Instructions...signature/date: _____

- Concur with Proposed Action
- Disagree with Proposed Action; See Instruction
- Include in Case Narrative
- Client Contacted: _____
- Date/Person _____
- Add _____
- Cancel

Carl Schnell

5. Final Action...signature/date: _____

- Verified re-[log][leach][extract][digest][analysis] (circle)
- Included in Case Narrative
- Hard Copy COC Revised
- Electronic COC Revised
- EDD Corrections Completed

Other Explanation:

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR
<input checked="" type="checkbox"/>	X Initiator <u>M. Ritchie</u>
<input checked="" type="checkbox"/>	X Lab Manager: <u>C. Stefanosky</u>
<input checked="" type="checkbox"/>	X Project Mgr: <u>C. Schnell</u>
<input checked="" type="checkbox"/>	X Section Mgr: <u>Sierey/Wesson/Daniels</u>
<input checked="" type="checkbox"/>	X QA (file): <u>Racioppi</u>
<input type="checkbox"/>	Data Management: <u>Feldman</u>
<input type="checkbox"/>	Sample Prep: <u>Schnell/Doughty/Kauffman</u>

Route	Distribution of Completed SDR
<input type="checkbox"/>	Metals: <u>Doughty</u>
<input type="checkbox"/>	Inorganic: <u>Perrone</u>
<input type="checkbox"/>	GC/LC: <u>Rycklak/Schnell</u>
<input type="checkbox"/>	MS: <u>LeMin/Taylor/Kasdras</u>
<input type="checkbox"/>	Log-in: <u>Toder</u>
<input type="checkbox"/>	Admin: <u>Soos</u>
<input type="checkbox"/>	Other: _____

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/22/98 09:48

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 1a

Sample Information	Cust ID:	RFW-12B	RFW-13	HAMP-22	HAMP-22	HAMP-22	RFW-20
	RFW#:	001	002	003	003 MS	003 MSD	004
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	20.0	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Toluene-d8		96 %	91 %	96 %	104 %	103 %	97 %
Surrogate Bromofluorobenzene		86 %	83 * %	88 %	93 %	92 %	88 %
Recovery 1,2-Dichloroethane-d4		85 %	84 %	97 %	109 %	110 %	85 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane		200 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		200 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		200 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		200 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		250 B	4 JB	3 JB	2 JB	2 JB	4 JB
Acetone		200 U	10 U	10 U	1 JB	1 JB	10 U
Carbon Disulfide		100 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		100 U	2 J	5 U	77 %	77 %	5 U
1,1-Dichloroethane		100 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		100 U	5 U	5 U	5 U	5 U	5 U
Chloroform		100 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		100 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		200 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		100 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		100 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		200 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		100 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		100 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		100 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		1700 B	10	5 U	91 %	90 %	10
Dibromochloromethane		100 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		100 U	5 U	5 U	5 U	5 U	5 U
Benzene		100 U	5 U	5 U	98 %	98 %	5 U
Trans-1,3-Dichloropropene		100 U	5 U	5 U	5 U	5 U	5 U
Bromoform		100 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		200 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		200 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		52 J	56	5 U	1 J	2 J	5 U
1,1,2,2-Tetrachloroethane		100 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

500

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 1b

Cust ID: RFW-12B RFW-13 HAMP-22 HAMP-22 HAMP-22 RFW-20

RFW#: 001 002 003 003 MS 003 MSD 004

	001	002	003	003 MS	003 MSD	004
Toluene	100 U	5 U	5 U	95 %	95 %	5 U
Chlorobenzene	100 U	5 U	5 U	94 %	93 %	5 U
Ethylbenzene	100 U	5 U	5 U	5 U	5 U	5 U
Styrene	100 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	100 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

006

Cust ID:	RFW-3B	RFW-11A	RFW-11B	RFW-4A	RFW-4B	RFW-4B DUP
RFW#:	005	006	007	008	009	010

Toluene	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

008

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 3b

	Cust ID:	EW-2	EW-3	EW-4	EW-5	EW-6	EW-7
	RFW#:	011	012	013	014	015	016
Toluene	100	U	8 JB	100 U	50 U	5 U	5 U
Chlorobenzene	100	U	13 JB	100 U	50 U	5 U	5 U
Ethylbenzene	100	U	25 U	100 U	50 U	5 U	5 U
Styrene	100	U	25 U	100 U	50 U	5 U	5 U
Xylene (total)	100	U	25 U	100 U	50 U	5 U	5 U

*= Outside of EPA CLP QC limits.

010

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/22/98 09:48

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 4a

011

Sample Information	Cust ID:	EW-8	EW-9	EW-10	EW-10 DUP	RFW-18	RFW-19
	RFW#:	017	018	019	020	021	022
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	2.00	5.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Toluene-d8		102 %	94 %	100 %	95 %	96 %	94 %
Surrogate Bromofluorobenzene		88 %	87 %	92 %	88 %	87 %	86 %
Recovery 1,2-Dichloroethane-d4		107 %	88 %	96 %	93 %	92 %	92 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====							
Chloromethane		20 U	50 U	10 U	10 U	10 U	10 U
Bromomethane		20 U	50 U	10 U	10 U	10 U	10 U
Vinyl Chloride		20 U	50 U	10 U	10 U	10 U	10 U
Chloroethane		20 U	50 U	10 U	10 U	10 U	10 U
Methylene Chloride		7 JB	74 B	4 JB	4 JB	5 JB	4 JB
Acetone		4 JB	50 U	10 U	10 U	33 B	10 U
Carbon Disulfide		10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		10 U	25 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane		10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		35	7 J	5 U	5 U	5 U	5 U
Chloroform		10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		10 U	25 U	5 U	5 U	5 U	5 U
2-Butanone		20 U	50 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		10 U	25 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		10 U	25 U	5 U	5 U	5 U	5 U
Vinyl Acetate		20 U	50 U	10 U	10 U	10 U	10 U
Bromodichloromethane		10 U	25 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		10 U	25 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		10 U	25 U	5 U	5 U	5 U	5 U
Trichloroethene		19	16 JB	5 U	5 U	5 U	5 U
Dibromochloromethane		10 U	25 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		10 U	25 U	5 U	5 U	5 U	5 U
Benzene		10 U	25 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene		10 U	25 U	5 U	5 U	5 U	5 U
Bromoform		10 U	25 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		20 U	50 U	10 U	10 U	10 U	10 U
2-Hexanone		20 U	50 U	10 U	10 U	10 U	10 U
Tetrachloroethene		180	720	53	50	10 U	10 U
1,1,2,2-Tetrachloroethane		10 U	25 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 4b

	Cust ID:	EW-8	EW-9	EW-10	EW-10 DUP	RFW-18	RFW-19
	RFW#:	017	018	019	020	021	022
Toluene	10	U	8 JB	5 U	5 U	5 U	5 U
Chlorobenzene	10	U	13 JB	5 U	5 U	5 U	5 U
Ethylbenzene	10	U	25 U	5 U	5 U	5 U	5 U
Styrene	10	U	25 U	5 U	5 U	5 U	5 U
Xylene (total)	10	U	25 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

012

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 5b

	Cust ID:	RFW-17	RFW-2A	RFW-2B	RFW-1A	RFW-7	RFW-21
	RFW#:	023	024	025	026	027	028
Toluene		5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene		5 U	5 U	5 U	5 U	5 U	5 U
Styrene		5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)		5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

014

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 12/22/98 09:48

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 6a

Sample Information	Cust ID:	LEISTER-1	LEISTER-DAIR Y	RFW-9	RFW-1B	RFW-6	RFW-6
	RFW#:	029	030	031	032	033	033 MS
	Matrix:	WATER	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8	93 %	95 %	94 %	91 %	98 %	104 %
Recovery	Bromofluorobenzene	86 %	86 %	85 * %	87 %	89 %	93 %
	1,2-Dichloroethane-d4	94 %	96 %	89 %	100 %	109 %	112 %
-----fl-----fl-----fl-----fl-----fl-----fl-----fl							
Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride		10 B	10 B	9 B	5 JB	2 JB	2 JB
Acetone		10 U	10 U	10 U	10 U	7 JB	7 JB
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	5 U	1 J	5 U	5 U	75 %
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	8	5 U	3 J	3 J
Chloroform		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate		10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene		5 U	5 U	26 B	5 U	17	89 %
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U	5 U
Benzene		5 U	5 U	5 U	5 U	5 U	5 U
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U	96 %
Bromoform		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	2 J	6	5 U	14	22
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

015

Cust ID: LEISTER-1 LEISTER-DAIR RFW-9 RFW-1B RFW-6 RFW-6

RFW#: 029 Y 030 031 032 033 033 MS

	029	Y	030	031	032	033	033 MS	
Toluene	5 U		5 U	5 U	5 U	5 U	93	%
Chlorobenzene	5 U		5 U	5 U	5 U	5 U	92	%
Ethylbenzene	5 U		5 U	5 U	5 U	5 U	5	U
Styrene	5 U		5 U	5 U	5 U	5 U	5	U
Xylene (total)	5 U		5 U	5 U	5 U	5 U	5	U

*= Outside of EPA CLP QC limits.

016

RFW Batch Number: 9811L492

Client: RFW CONF. HAMPSTEAD

Work Order: 02501004001 Page: 7b

Cust ID: RFW-6 FB-RFW-7 TRIP BLANK VBLKLR VBLKLQ VBLKLS

RFW#: 033 MSD 034 035 98LVH609-MB1 98LVH608-MB1 98LVN485-MB1

	033 MSD	034	035	98LVH609-MB1	98LVH608-MB1	98LVN485-MB1
Toluene	95 %	5 U	5 U	2 J	5 U	5 U
Chlorobenzene	95 %	5 U	5 U	4 J	5 U	1 J
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

018

Cust ID: VBLKLS BS

RFW#: 98LVN485-MB1

Toluene	93	%
Chlorobenzene	91	%
Ethylbenzene	5	U
Styrene	5	U
Xylene (total)	5	U

*= Outside of EPA CLP QC limits.

020

Recra LabNet - Lionville Laboratory
 VOA ANALYTICAL DATA PACKAGE FOR
 RFW CONF. HAMPSTEAD

DATE RECEIVED: 11/25/98

RFW LOT # :9811L492

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
RFW-12B	001	W	98LVH609	11/24/98	N/A	12/07/98
RFW-13	002	W	98LVH608	11/24/98	N/A	12/04/98
HAMP-22	003	W	98LVH608	11/24/98	N/A	12/04/98
HAMP-22	003 MS	W	98LVN485	11/24/98	N/A	12/07/98
HAMP-22	003 MSD	W	98LVN485	11/24/98	N/A	12/07/98
RFW-20	004	W	98LVH608	11/24/98	N/A	12/04/98
RFW-3B	005	W	98LVH608	11/24/98	N/A	12/04/98
RFW-11A	006	W	98LVH608	11/24/98	N/A	12/04/98
RFW-11B	007	W	98LVH608	11/24/98	N/A	12/04/98
RFW-4A	008	W	98LVH608	11/24/98	N/A	12/04/98
RFW-4B	009	W	98LVH608	11/24/98	N/A	12/04/98
RFW-4B DUP	010	W	98LVH608	11/24/98	N/A	12/04/98
EW-2	011	W	98LVH609	11/23/98	N/A	12/07/98
EW-3	012	W	98LVH609	11/23/98	N/A	12/07/98
EW-4	013	W	98LVH609	11/23/98	N/A	12/07/98
EW-5	014	W	98LVH609	11/23/98	N/A	12/07/98
EW-6	015	W	98LVH608	11/23/98	N/A	12/07/98
EW-7	016	W	98LVH608	11/23/98	N/A	12/04/98
EW-8	017	W	98LVN485	11/23/98	N/A	12/07/98
EW-9	018	W	98LVH609	11/23/98	N/A	12/07/98
EW-10	019	W	98LVH608	11/23/98	N/A	12/04/98
EW-10 DUP	020	W	98LVH608	11/23/98	N/A	12/04/98
RFW-18	021	W	98LVH608	11/23/98	N/A	12/04/98
RFW-19	022	W	98LVH608	11/23/98	N/A	12/04/98
RFW-17	023	W	98LVN485	11/23/98	N/A	12/07/98
RFW-2A	024	W	98LVH609	11/23/98	N/A	12/07/98
RFW-2B	025	W	98LVH609	11/23/98	N/A	12/07/98
RFW-1A	026	W	98LVH609	11/23/98	N/A	12/07/98
RFW-7	027	W	98LVH609	11/23/98	N/A	12/07/98
RFW-21	028	W	98LVH609	11/23/98	N/A	12/07/98
LEISTER-1	029	W	98LVH609	11/23/98	N/A	12/07/98
LEISTER-DAIRY	030	W	98LVH609	11/23/98	N/A	12/07/98
RFW-9	031	W	98LVH609	11/24/98	N/A	12/07/98
RFW-1B	032	W	98LVH609	11/24/98	N/A	12/07/98
RFW-6	033	W	98LVN485	11/24/98	N/A	12/07/98
RFW-6	033 MS	W	98LVN485	11/24/98	N/A	12/07/98
RFW-6	033 MSD	W	98LVN485	11/24/98	N/A	12/07/98
FB-RFW-7	034	W	98LVN485	11/24/98	N/A	12/07/98

90
12/22/98

Recra LabNet - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
RFW CONF. HAMPSTEAD

DATE RECEIVED: 11/25/98

RFW LOT # :9811L492

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
TRIP BLANK	035	W	98LVN485	11/24/98	N/A	12/07/98

LAB QC:

VBLKLR	MB1	W	98LVH609	N/A	N/A	12/07/98
VBLKLQ	MB1	W	98LVH608	N/A	N/A	12/04/98
VBLKLS	MB1	W	98LVN485	N/A	N/A	12/07/98
VBLKLS	MB1 BS	W	98LVN485	N/A	N/A	12/07/98

20W
12.22.98

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request Page 1 of 4



9811492

RFW Conf. Hampstead

FIELD PERSONNEL

(7)

Client <u>Carl Hampstead (AD) Bcm 10/25/98</u>	Refrigerator # <u>1</u>
Est. Final Proj. Sampling Date <u>Black + Decker - Hampstead</u>	#/Type Container Liquid <u>2</u>
Project # <u>02501-004-001-0200-00</u>	Solid
Project Contact/Phone # <u>Greg Flomski 701-7293</u>	Liquid <u>400</u>
RECRA Project Manager <u>Carol S.</u>	Solid
QC <u>SW846</u> Del <u>STD</u> TAT <u>28 DAY</u>	Preservatives <u>WCI</u>

Date Rec'd <u>11/25/98</u> Date Due <u>12/23/98</u>	ANALYSES REQUESTED														
Account # <u>Carol PM</u>	<table border="1"> <tr> <th colspan="5">ORGANIC</th> <th colspan="2">INORG</th> </tr> <tr> <td>VOA</td> <td>BNA</td> <td>Pes/PCB</td> <td>Herb</td> <td></td> <td>Metal</td> <td>CN</td> </tr> </table>	ORGANIC					INORG		VOA	BNA	Pes/PCB	Herb		Metal	CN
ORGANIC					INORG										
VOA	BNA	Pes/PCB	Herb		Metal	CN									

MATRIX CODES:	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only												
			MS	MSD				1	2	3	4	5	6	7	8	9	10			
S - Soil	001	RFW-1aB			W	11/21/98	600													
SE - Sediment	2	RFW-13					915													
SO - Solid	3	Hamp-22					1000													
SL - Sludge	4	RFW-20					1015													
W - Water	5	RFW-3B					1400													
O - Oil	6	RFW-11A					1430													
A - Air	7	RFW-11B					1440													
DS - Drum Solids	8	RFW-4A					1240													
DL - Drum Liquids	9	RFW-4B					1500													
L - EP/TCLP Leachate	10	RFW-4B					1500													
WI - Wipe																				
X - Other																				
F - Fish																				

Special Instructions: 12/2/98 corrected client name.

DATE/REVISIONS:
 05/06/09 19 WAs CONTAIN Sediment at bottom
 012 2 IEA 40ml VOA air Bubble
 031-034 3 Times on COC do NOT match on samples
 031 4 RFW-9 Time Collected 1300 on Coc 900
 032 1B 1130
 033 5 7 800
 034 6 6 1430

RECRA LabNet Use Only	
Samples were: 1) Shipped _____ or Hand Delivered _____	COC Tape was: 1) Present on Outer Package Y or <input checked="" type="radio"/> N 2) Unbroken on Outer Package Y or N 3) Present on Sample Y or <input checked="" type="radio"/> N
Airbill # _____	4) Unbroken on Sample Y or N
2) Ambient or <input checked="" type="radio"/> Collected	COC Record Present Upon Sample Rec't <input checked="" type="radio"/> or N
3) Received in Good Condition <input checked="" type="radio"/> or N	Cooler Temp <u>11.9</u> °C
4) Labels Indicate Property Preserved <input checked="" type="radio"/> or N	
5) Received Within Holding Times <input checked="" type="radio"/> or N	

Discrepancies Between Samples Labels and COC Record? or N
 NOTES:

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<i>[Signature]</i>	<i>[Signature]</i>	11/25/98	1030				

RECRA LabNet Use Only

Custody Transfer Record/Lab Work Request

Page 2 of 4



98116492

FIELD PERSONNEL: COMPLETE ONLY SHADING AND

Client <u>Carl Hampstead (BTD)</u>	Refrigerator #	1
Est. Final Proj. Sampling Date <u>RFW Conf. Hampstead</u>	#/Type Container	Liquid 2
Project # <u>02501-004-001</u>		Solid
Project Contact/Phone # <u>Grey Flaszinski 701-7293</u>	Volume	Liquid <u>4oz</u>
RECRA Project Manager <u>Carol S.</u>		Solid
QC _____ Del _____ TAT _____	Preservatives	<u>HCl</u>

Date Rec'd <u>11/25/98</u>	Date Due _____	ANALYSES REQUESTED	ORGANIC				INORG	
Account # _____			VOA	BNA	Pes/PCB	Herb	Metal	CN

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only											
			MS	MSD															
	011	Ew-2			W	11/23/98	1615												
	12	Ew-3					1620												
	13	Ew-4					1715												
	14	Ew-5					1700												
	15	Ew-6					1600												
	16	Ew-7					1550												
	17	Ew-8					1545												
	18	Ew-9					1535												
	19	Ew-10					1530												
	20	Ew-10 Dup					1530												

Special Instructions: _____

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were: _____ or _____
 1) Shipped _____ or Hand Delivered _____
 Airbill # _____
 2) Ambient or Chilled _____
 3) Received in Good Condition Y or N _____
 4) Labels Indicate Properly Preserved Y or N _____
 5) Received Within Holding Times Y or N _____

COC Tape was:
 1) Present on Outer Package Y or N _____
 2) Unbroken on Outer Package Y or N _____
 3) Present on Sample Y or N _____
 4) Unbroken on Sample Y or N _____
 COC Record Present Upon Sample Rec't Y or N _____
 Cooler Temp. _____ °C

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/25/98</u>	<u>1030</u>				

Discrepancies Between Samples Labels and COC Record? Y or N _____

NOTES:

RECRA LabNet Use Only

9811L492

Custody Transfer Record/Lab Work Request Page 3 of 4



FIELD PERSONNEL COMPLETE ONLY SHADDED AREAS

Client Conf. - Hempstead (BRD)

Est. Final Proj. Sampling Date _____
 Project # 02501-004-001
 Project Contact/Phone # Greg Flashak 701-7293
 RECRA Project Manager Carol Schreckel
 QC _____ Del _____ TAT 30 DAYS

Refrigerator # 1
 #/Type Container: Liquid 2, Solid _____
 Volume: Liquid 400ml, Solid _____
 Preservatives: HCl

Date Rec'd 11/25/98 Date Due _____
 Account # _____

ANALYSES REQUESTED →

ORGANIC					INORG	
VOA	BNA	Pes/PCB	Herb		Metal	CN

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum DL - Drum L - EP/TCLP WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only													
			MS	MSD																	
	021	RFW-18			W	11/25/98	1000														
	22	RFW-19					1030														
	23	RFW-17					1100														
	24	RFW-2A					1125														
	25	RFW-2B					1155														
	26	RFW-1A					1230														
	27	RFW-7					1300														
	28	RFW-21					1430														
	29	Leister - 1					1800														
	30	Leister - Dairy					1800														

Special Instructions: _____

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were: _____ or _____
 Hand Delivered _____
 Airbill # See page
 2) Ambient or Chill page
 3) Received in Good Condition Y or N Y
 4) Labels Indicate Property Preserved Y or N Y
 5) Received Within Holding Times Y or N Y

COC Tape was:
 1) Present on Outer Package Y or N _____
 2) Unbroken on Outer Package Y or N _____
 3) Present on Sample Y or N _____
 4) Unbroken on Sample Y or N _____
 COC Record Present Upon Sample Rec'l Y or N _____
 Cooler Temp _____

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/25/98</u>	<u>1030</u>				

Discrepancies Between Samples Labels and COC Record? Y or N _____
 NOTES: _____

RECRA LabNet Use Only

9811492

Custody Transfer Record/Lab Work Request Page 4 of 4



RECRA LabNet

026

FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client <u>Conf. Hampstead (EFD)</u>				Refrigerator #	1																		
Est. Final Proj. Sampling Date _____				#/Type Container	Liquid	2																	
Project # <u>02501-004-001</u>					Solid																		
Project Contact/Phone # <u>Greg Flanagan 701-7293</u>				Volume	Liquid	4004																	
RECRA Project Manager _____					Solid																		
QC _____ Del _____ TAT _____				Preservatives	HCl																		
Date Rec'd <u>11/25/98</u> Date Due _____				ANALYSES REQUESTED →	ORGANIC					INORG													
Account # _____					VOA	BNA	Pest/PCB	Herb	Metal	CN													
MATRIX CODES:				RECRA LabNet Use Only																			
S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DS - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WI - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix QC Chosen (✓)	Matrix	Date Collected	Time Collected																	
			MS	MSD																			
	<u>031</u>	<u>RFW-9</u>			<u>W</u>	<u>11/24/98</u>	<u>900</u>	<u>0624H</u>															
	<u>32</u>	<u>RFW-1B</u>						✓															
	<u>23</u>	<u>RFW-6</u>						✓															
	<u>34</u>	<u>FB-RFW-7</u>						✓															
<u>35</u>	<u>Trip Blank</u>						✓																

Special Instructions: _____

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were:	COC Tape was:
1) Shipped _____ or Hand Delivered _____	1) Present on Outer Package Y or N
Airbill # _____	2) Unbroken on Outer Package Y or N
2) Ambient or Chilled _____	3) Present on Sample Y or N
3) Received in Good Condition Y or N	4) Unbroken on Sample Y or N
4) Labels Indicate Properly Preserved Y or N	COC Record Present Upon Sample Rec't Y or N
5) Received Within Holding Times Y or N	Cooler Temp _____

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11/25/98</u>	<u>130</u>				

Discrepancies Between Samples Labels and COC Record? Y or N
 NOTES:



Roy F. Weston, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, PA 19380
610-701-3000 • Fax 610-701-3186
www.rfweston.com

27 January 1999

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. provides enclosed with this letter two copies of the Quarterly Groundwater Monitoring Report for the period of October through December 1999. 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 Mr. Cornuet at (610) 701-7360 or Ms. Lydia Duff of Miles & Stockbridge at (410) 385-3766.

Very truly yours,

ROY F. WESTON, INC.

Thomas Cornuet, P.G.
Project Manager

Enclosures

cc: L. Biagioni, B&D
L. Grimes, B&D
T. Lynch III, M&S
L. Duff, M&S





Roy F. Weston, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, PA 19380
610-701-3000 • Fax 610-701-3186
www.rfweston.com

27 January 1999

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 October through December 1998.

If you have any questions regarding the enclosure, please contact Mr. Cornuet at (610) 701-7360 or Ms. Lydia Duff of Miles & Stockbridge at (410) 385-3766.

Very truly yours,

ROY F. WESTON, INC.

Thomas Cornuet, P.G.
Project Manager

Enclosure

cc: L. Biagioni, B&D
L. Grimes, B&D
T. Lynch III, M&S
L. Duff, M&S





Roy F. Weston, Inc.
1400 Weston Way
P.O. Box 2653
West Chester, PA 19380
610-701-3000 • Fax 610-701-3186
www.rfweston.com

27 January 1999

Mr. Matthew G. Pajerowski
Water Rights Administration
Maryland Department of the Environment
2500 Broening Highway
Baltimore, MD 21224

RE: Permit No. CL66G029(06)
Black & Decker Hampstead Facility
Water Level Monitoring Report

Dear Mr. Pajerowski:

In accordance with the Water Appropriation Permit issued to the Black and Decker (U.S.), Inc. Hampstead, Maryland, facility, enclosed is the Water Level Monitoring Report for the period of July through December 1999. Please note that, in accordance with the referenced permit, Black & Decker also has submitted pumping records under separate cover.

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

Very truly yours,

ROY F. WESTON, INC.

Thomas Cornuet, P.G.
Project Manager

Enclosure

cc: L. Biagioni, B&D
L. Grimes, B&D
T. Lynch III, M&S
L. Duff, M&S



Groundwater Elevation Data - 1998
Black and Decker (U.S.) Inc
Hampstead, Maryland

WELL NO.	TOC ELEV.	TOTAL DEPTH	7/23/98		8/18/98		9/24/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	80.19	769.02	80.74	768.47	81.11	768.10
EW-3	846.64	118	86.33	760.31	87.36	759.28	87.67	758.97
EW-4	858.01	97.5	87.42	770.59	88.43	769.58	88.94	769.07
EW-5	864.17	98	83.11	781.06	87.94	776.23	88.31	775.86
EW-6	831.98	115	57.12	774.86	59.12	772.86	60.41	771.57
EW-7	818.38	78	31.46	786.92	37.44	780.94	38.74	779.64
EW-8	811.13	98	73.11	738.02	74.21	736.92	74.94	736.19
EW-9	811.35	141	75.67	735.68	74.58	736.77	74.63	736.72
EW-10	807.74	NA	48.01	759.73	45.99	761.75	46.51	761.23
RFW-1A	864.37	78	47.51	816.86	49.29	815.08	50.11	814.26
RFW-1B	864.23	200	47.52	816.71	49.33	814.90	50.10	814.13
RFW-2A	857.41	35	12.45	844.96	14.77	842.64	14.43	842.98
RFW-2B	857.73	75	13.12	844.61	15.41	842.32	15.02	842.71
RFW-3B	839.21	153	26.86	812.35	26.77	812.44	27.23	811.98
RFW-4A	830.37	62	35.06	795.31	34.86	795.51	35.21	795.16
RFW-4B	830.37	120	34.98	795.39	34.81	795.56	35.17	795.20
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	2.43	782.61	3.14	781.90	2.78	782.26
RFW-7	805.14	29	6.86	798.28	6.83	798.31	6.47	798.67
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	24.12	837.90	24.11	837.91	24.43	837.59
RFW-10	852.06	58	57.16	794.90	57.31	794.75	58.09	793.97
RFW-11A	849.32	72	67.79	781.53	67.78	781.54	67.88	781.44
RFW-11B	849.62	116	75.85	773.77	75.88	773.74	75.94	773.68
RFW-12B	844.87	264	52.81	792.06	52.43	792.44	52.53	792.34
RFW-13	849.11	150	58.21	790.90	59.11	790.00	59.34	789.77
RFW-14B	812.39	281	38.09	774.30	38.20	774.19	38.31	774.08
RFW-16	856.14	41	37.91	818.23	38.23	817.91	38.74	817.40
RFW-17	834.66	60.5	25.11	809.55	25.08	809.58	25.17	809.49
RFW-18	843.67	50	5.74	837.93	6.36	837.31	6.46	837.21
RFW-19	858.28	60	3.81	854.47	3.22	855.06	3.30	854.98
RFW-20	842.49	142	32.67	809.82	32.84	809.65	33.16	809.33
RFW-21	832.65	102	19.73	812.92	19.22	813.43	19.42	813.23
PH-7	805.94	89	28.11	777.83	28.00	777.94	28.08	777.86
PH-9	814.94	98	30.87	784.07	31.09	783.85	31.13	783.81
PH-11	820.68	78	37.94	782.74	38.59	782.09	38.48	782.20
PH-12	828.35	87	40.61	787.74	41.17	787.18	41.42	786.93
B-2	807.68	100	5.94	801.74	5.81	801.87	5.87	801.81
B-3	803.02	83	7.31	795.71	6.94	796.08	7.01	796.01
Amoco	842.29	NA	21.22	821.07	21.40	820.89	21.63	820.66
Hamp. Town #22	804.96	NA	0.94	804.02	0.69	804.27	0.78	804.18
Pembroke #1	NA	NA	10.43	--	10.11	--	10.87	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	NA	--	NA	--	NA	--
E. Century St.	NA	NA	11.26	--	11.23	--	11.19	--
Lwr. Beckleys. Rd.	NA	NA	48.11	--	47.36	--	47.84	--

Groundwater Elevation Data - 1998

Black and Decker (U.S.) Inc

Hampstead, Maryland

WELL NO.	TOC ELEV	TOTAL DEPTH	10/23/98		11/23/98		12/17/98	
			DTW	ELEV	DTW	ELEV	DTW	ELEV
EW-1	847.21	55	NA	--	NA	--	NA	--
EW-2	849.21	110	81.43	767.78	80.08	769.13	73.51	775.70
EW-3	846.64	118	87.47	759.17	86.53	760.11	84.59	762.05
EW-4	858.01	97.5	86.22	771.79	84.31	773.70	80.65	777.36
EW-5	864.17	98	88.84	775.33	88.66	775.51	88.22	775.95
EW-6	831.98	115	61.05	770.93	62.41	769.57	63.89	768.09
EW-7	818.38	78	39.52	778.86	43.73	774.65	46.46	771.92
EW-8	811.13	98	75.41	735.72	74.31	736.82	69.63	741.50
EW-9	811.35	141	74.68	736.67	89.49	721.86	100.68	710.67
EW-10	807.74	NA	46.82	760.92	51.06	756.68	53.82	753.92
RFW-1A	864.37	78	51.33	813.04	52.62	811.75	53.41	810.96
RFW-1B	864.23	200	51.36	812.87	52.71	811.52	53.45	810.78
RFW-2A	857.41	35	16.08	841.33	17.91	839.50	18.36	839.05
RFW-2B	857.73	75	16.44	841.29	18.56	839.17	18.98	838.75
RFW-3B	839.21	153	29.87	809.34	34.43	804.78	34.92	804.29
RFW-4A	830.37	62	38.03	792.34	39.15	791.22	39.71	790.66
RFW-4B	830.37	120	37.96	792.41	39.20	791.17	39.66	790.71
RFW-5A	817.50	30	DRY	--	DRY	--	DRY	--
RFW-6	785.04	120	3.76	781.28	4.81	780.23	5.03	780.01
RFW-7	805.14	29	7.91	797.23	9.00	796.14	9.04	796.10
RFW-8	860.07	56	DRY	--	DRY	--	DRY	--
RFW-9	862.02	49	25.88	836.14	27.94	834.08	28.00	834.02
RFW-10	852.06	58	DRY	--	DRY	--	DRY	--
RFW-11A	849.32	72	68.63	780.69	69.71	779.61	70.52	778.80
RFW-11B	849.62	116	76.47	773.15	77.27	772.35	77.89	771.73
RFW-12B	844.87	264	53.21	791.66	54.31	790.56	54.86	790.01
RFW-13	849.11	150	60.67	788.44	61.47	787.64	62.47	786.64
RFW-14B	812.39	281	38.77	773.62	38.94	773.45	44.95	767.44
RFW-16	856.14	41	DRY	--	DRY	--	DRY	--
RFW-17	834.66	60.5	26.95	807.71	28.87	805.79	29.36	805.30
RFW-18	843.67	50	7.62	836.05	8.13	835.54	5.59	838.08
RFW-19	858.28	60	4.89	853.39	5.48	852.80	7.19	851.09
RFW-20	842.49	142	35.48	807.01	36.78	805.71	22.94	819.55
RFW-21	832.65	102	20.98	811.67	22.63	810.02	37.30	795.35
PH-7	805.94	89	28.37	777.57	28.43	777.51	35.24	770.70
PH-9	814.94	98	31.65	783.29	32.13	782.81	41.00	773.94
PH-11	820.68	78	38.53	782.15	38.48	782.20	42.66	778.02
PH-12	828.35	87	41.66	786.69	41.94	786.41	47.97	780.38
B-2	807.68	100	5.94	801.74	6.12	801.56	6.59	801.09
B-3	803.02	83	7.04	795.98	7.03	795.99	10.23	792.79
Amoco	842.29	NA	22.84	819.45	23.41	818.88	28.28	814.01
Hamp. Town #22	804.96	NA	0.73	804.23	0.70	804.26	3.31	801.65
Pembroke #1	NA	NA	10.86	--	10.83	--	16.73	--
Pembroke #2	NA	NA	NA	--	NA	--	NA	--
N. Houcks. Rd.	NA	NA	9.88	--	10.04	--	10.36	--
E. Century St.	NA	NA	11.22	--	11.24	--	11.39	--
Lwr. Beckleys. Rd.	NA	NA	47.87	--	48.36	--	54.76	--