

## Water-Data Report 2009

**395836074542701 Local number 051478- Moorestown MW7**

Northern Atlantic Coastal Plain aquifer system  
 Englishtown Formation  
 Burlington County, NJ

LOCATION.--Lat 39°58'36", long 74°54'27" referenced to North American Datum of 1927, Moorestown Township, Burlington County, NJ, Hydrologic Unit 02040202.

**WATER-QUALITY RECORDS**

WELL CHARACTERISTICS.--Depth 22.5 ft. Upper casing diameter 2 in; top of first opening 17.5 ft, bottom of last opening 22.5 ft.

DATUM.--Land-surface datum is 80 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 1999, 2004, and 2009.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 19. Agricultural Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the New Jersey Geological Survey.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Medium name	Sample type	Baro-metric pressure, mm Hg (00025)	Depth to water level, feet below LSD (72019)	Disolved oxygen, mg/L (00300)	Disolved oxygen, percent of saturation (00301)	Flow rate, instantaneous gal/min (00059)
<b>Jun</b>								
22...	0900	QC sample - Artificial	Field Blank	--	--	--	--	--
22...	1000	Ground water	Regular	752	15.95	8.5	85	.50

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 14

[Remark codes: &lt;, less than; E, estimated.]

pH, water, unfiltrd field, std units	Specif- ic conduc- tance, wat unf µS/cm @ water, water,	Turbdty white light, det ang wat unf ature, corrcrd	Pump or flow period prior 90+/-30 to sam- pling, wat filt	Dis- solved solids @ 180degC	Dis- solved solids, sum of consti- tuents, wat filt	Hard- ness, water, mg/L as	Magnes- ium, water, filtrd, CaCO3	Potas- sium, water, filtrd, mg/L	Sodium, water, filtrd, mg/L	Alka- linity, inf tit field, mg/L as CaCO3
Date	(00400) (00095)	(25 degC) (00010)	(NTRU) (63676)	(72004)	(70300)	(70301)	(00900)	(00915)	(00925)	(00935)
<b>Jun</b>										
22...	--	--	--	--	--	--	<.02	<.012	--	<.12
22...	4.8	1,340	14.6	1.2	60	627	E614	120	32.0	10.3
									4.93	179
										3

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 3 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Bicar-	Ammonia				Nitrate	Ortho-	Beryl-					
	bonate, wat flt infl pt titr., field, mg/L (00453)	Chlor- ide, water, filtrd, mg/L (00940)	Fluor- ide, water, filtrd, mg/L (00950)	Silica, water, filtrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate mg/L as (00945)	org-N, water, filtrd, mg/L (00623)	Ammonia water, filtrd, mg/L (00608)	nitrite water, filtrd, mg/L (00631)	Nitrite water, filtrd, mg/L (00613)	phate, water, filtrd, mg/L (00671)	Alum- inum, water, filtrd, μg/L (01106)	Barium, water, filtrd, μg/L (01005)	Beryll- ium, water, filtrd, μg/L (01010)
<b>Jun</b>													
22...	--	--	--	<.02	--	--	--	--	--	--	<4.0	<.4	<.02
22...	4	283	.10	5.3	56.9	.15	<.020	9.02	<.002	E.007	644	63	.24

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 4 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Chrom-	Mangan-				Anti-			Selen-				
	Cadmium water, filtrd, μg/L (01025)	ium, water, filtrd, μg/L (01030)	Copper, water, filtrd, μg/L (01040)	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	ese, water, filtrd, μg/L (01056)	Mercury water, filtrd, μg/L (71890)	Nickel, water, filtrd, μg/L (01065)	Zinc, water, filtrd, μg/L (01090)	mony, water, filtrd, μg/L (01095)	Arsenic water, filtrd, μg/L (01000)	Boron, water, filtrd, μg/L (01020)	ium, water, filtrd, μg/L (01145)
<b>Jun</b>													
22...	<.02	<.12	<1.0	<4	<.06	<.2	<.010	<.12	<2.0	<.04	<.06	<4	<.06
22...	.16	.16	<1.0	<4	.14	35.1	<.010	2.7	12.3	E.02	.46	94	.34

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 5 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	1,2-Di-	1,2-Di-	1,4-Di-	1-Naph-	2,6-Di-	2Chloro	2-	3,4-Di-	3,5-Di-	4-	Aceto-	Ala-	
	chloro-	chloro-	chloro-	thol,	ethyl-	-2',6'-	Ethyl-	chloro-	chloro-	Chloro-			
	ethane,	propane	benzene	water,	aniline	diethyl	CIAT,	methyl-	aniline	aniline	water,	water,	
	unfiltrd	unfiltrd	unfiltrd	filtrd	acet-	anilide	water,	wat flt	water,	water,	filtrd,	filtrd,	
	μg/L (32103)	μg/L (34541)	μg/L (34571)	μg/L (49295)	μg/L (82660)	μg/L (61618)	μg/L (04040)	μg/L (61620)	μg/L (61625)	μg/L (61627)	μg/L (61633)	μg/L (49260)	
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	
22...	<.2	<.1	<.1	<.04	<.006	<.010	E.008	<.010	E.005	<.004	<.005	<.010	<.008

## 395836074542701 Local number 051478- Moorestown MW7—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 6 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	alpha-Endo-sulfan, water, fltrd, $\mu\text{g/L}$ (34362)	Atra-zine, water, fltrd, $\mu\text{g/L}$ (39632)	Azin-phos-methyl oxon, water, fltrd, $\mu\text{g/L}$ (61635)	Azin-phos-methyl, water, fltrd, $\mu\text{g/L}$ (82686)	Ben-flur-alin, water, fltrd, $\mu\text{g/L}$ (82673)	Car-baryl, water, fltrd, $\mu\text{g/L}$ (82680)	Carbo-furan, water, fltrd, $\mu\text{g/L}$ (82674)	Chlor-pyrifos oxon, water, fltrd, $\mu\text{g/L}$ (61636)	cis-Per-methrin water, fltrd, $\mu\text{g/L}$ (38933)	cis-Propi-conazole, water, fltrd, $\mu\text{g/L}$ (82687)	Cyana-zine, water, fltrd, $\mu\text{g/L}$ (79846)	Cyflu-thrin, water, fltrd, $\mu\text{g/L}$ (04041)	
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.006	E.008	<.04	<.120	<.014	<.200	<.060	<.05	<.010	<.014	<.006	<.040	<.016

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 7 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Cyper-methrin water, fltrd, $\mu\text{g/L}$ (61586)	DCPA, water, fltrd, $\mu\text{g/L}$ (82682)	Desulf-fipro-nil amide, wat flt $\mu\text{g/L}$ (62169)	Desulf-fipro-nil, water, fltrd, $\mu\text{g/L}$ (62170)	Diazi-non, water, fltrd, $\mu\text{g/L}$ (39572)	Di-chlor-vos, water, fltrd, $\mu\text{g/L}$ (38775)	Dicro-tophos, water, fltrd, $\mu\text{g/L}$ (38454)	Diel-drin, water, fltrd, $\mu\text{g/L}$ (39381)	Dimeth-oate, water, fltrd, $\mu\text{g/L}$ (82662)	Disulf-ton sulfone, water, fltrd, $\mu\text{g/L}$ (61640)	Disul-foton, water, fltrd, $\mu\text{g/L}$ (82677)	Endo-sulfan sulfate, water, fltrd, $\mu\text{g/L}$ (61590)	EPTC, water, fltrd, $\mu\text{g/L}$ (82668)
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.020	<.006	<.029	<.012	<.005	<.02	<.08	<.009	<.006	<.01	<.04	<.022	<.002

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 8 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Ethion monoxon water, fltrd, $\mu\text{g/L}$ (61644)	Ethion, water, fltrd, $\mu\text{g/L}$ (82346)	Etho-prop, water, fltrd, $\mu\text{g/L}$ (82672)	Fenami-phos sulfone, water, fltrd, $\mu\text{g/L}$ (61645)	Fenami-phos sulfide, water, fltrd, $\mu\text{g/L}$ (61646)	Fipro-nil sulfide, water, fltrd, $\mu\text{g/L}$ (62167)	Fipro-nil sulfone, water, fltrd, $\mu\text{g/L}$ (62168)	Fipro-nil, water, fltrd, $\mu\text{g/L}$ (62166)	Fonofos, water, fltrd, $\mu\text{g/L}$ (04095)	Hexa-zinone, water, fltrd, $\mu\text{g/L}$ (04025)	Ipro-dione, water, fltrd, $\mu\text{g/L}$ (61593)	Isofen-phos, water, fltrd, $\mu\text{g/L}$ (61594)	
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.02	<.012	<.016	<.053	<.08	<.03	<.013	<.024	<.040	<.010	<.008	<.014	<.006

## 395836074542701 Local number 051478- Moorestown MW7—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 9 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	lambda-	Mala-	Mala-	Meta-	Methid-	Methyl	para-	thion,	Metola-	Metri-	Moli-	Oxy-	Pendi-
	Cyhalo-	oxon,	thion,	laxyl,	athion,	paroxon,	water,	chlor,	buzin,	water,	butanil	fluor-	meth-
	thrin,	water,	water,	water,	water,	0.7μ GF	water,	water,	water,	water,	water,	fen,	alin,
	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(61595)	(61652)	(39532)	(61596)	(61598)	(61664)	(82667)	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.010	<.080	<.020	<.007	<.006	<.01	<.008	E.005	<.016	<.002	<.010	<.006	<.012

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 10 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Phorate	Phorate	Phosmet	Promo-	Promo-	Pro-	Propar-	Propy-	Tebu-				
	oxon,	water,	oxon,	Phosmet	ton,	tryn,	panil,	gite,	zamide,	Sima-	thiuron	Teflu-	bufos
	water,	fltrd	water,	water,	water,	fltrd	water,	water,	water,	water,	water,	water,	oxon
	fltrd,	0.7μ GF	fltrd,	fltrd,	fltrd,	0.7μ GF	fltrd	0.7μ GF	0.7μ GF	fltrd,	0.7μ GF	fltrd,	sulfone
	μg/L												
	(61666)	(82664)	(61668)	(61601)	(04037)	(04036)	(82679)	(82685)	(82676)	(04035)	(82670)	(61606)	(61674)
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.03	<.020	<.05	<.200	.01	<.006	<.014	<.02	<.004	<.010	<.02	<.010	<.04

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 11 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Terbu-	Ter-	Thio-	trans-	Tri-	1,1,1-							
	fos,	buthyl-	bencarb	Propi-	flur-	Tri-	1,1-Di-	1,1-Di-	1,1-Di-	1,2-Di-	1,3-Di-	Benzene	
	water,	azine,	water,	con-	alin,	chloro-	chloro-	chloro-	chloro-	chloro-	chloro-	water,	
	fltrd,	water,	fltrd	azole,	water,	ethane,	CFC-113	ethane,	water,	benzene,	benzene	water,	
	0.7μ GF	0.7μ GF	0.7μ GF	fltrd,	water,	0.7μ GF	unfltrd	water,	unfltrd	water,	unfltrd	unfltrd	
	μg/L	μg/L	μg/L										
	(82675)	(04022)	(82681)	(79847)	(61610)	(82661)	(34506)	(77652)	(34496)	(34501)	(34536)	(34566)	
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.02	<.01	<.016	<.02	<.035	<.012	<.1	<.1	<.1	<.1	<.1	<.1	<.1

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 12 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Bromo-di-chloro-methane water, unfltrd	Chloro-benzene water, unfltrd	cis-1,2-Di-chloro-ethene, water, unfltrd	Di-bromo-chloro-methane water, unfltrd	Di-chloro-fluoro-methane water, unfltrd	Di-chloro-methane water, unfltrd	Di-ethyl ether, water, unfltrd	Diiso-propyl ether, water, unfltrd	Ethyl-benzene water, unfltrd	Methyl t-butyl ether, water, unfltrd	tert-pentyl ether, water, unfltrd	meta-+ para-Xylene, water, unfltrd	Organic carbon, water, unfltrd
	µg/L (32101)	µg/L (34301)	µg/L (77093)	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (78032)	µg/L (50005)	µg/L (85795)	mg/L (00681)
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
22...	<.1	<.1	<.1	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.2	1.3

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 13 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	o-Xylene, water, unfltrd	Styrene, water, unfltrd	t-Butyl ethyl ether, water, unfltrd	Tetra-chloro-ethene, water, unfltrd	Tetra-chloro-methane Toluene	trans-1,2-Di-chloro-ethene, water, unfltrd	Tri-bromo-methane	Tri-chloro-ethene, water, unfltrd	Tri-fluoro-methane	Tri-chloro-methane	Vinyl chloride, water, unfltrd	Alpha radioac	
	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (34475)	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (32104)	µg/L (39180)	µg/L (34488)	µg/L (32106)	30 day, wat flt	
<b>Jun</b>													
22...	--	--	--	--	--	--	--	--	--	--	--	--	
22...	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.2	<.1	<.2	<.1	<.2	9.3

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 14 of 14

[Remark codes: &lt;, less than; E, estimated.]

Date	Alpha radioac 72 hr, wat flt	Beta radioac 30 day, wat flt	Beta radioac 72 hr, wat flt
	Th-230, pCi/L (62636)	Cs-137, pCi/L (62645)	Cs-137, pCi/L (62642)
<b>Jun</b>			
22...	--	--	--
22...	49	11.2	17.3