



Water-Data Report 2009

**01409414 HAMMONTON CREEK AT HAMMONTON, NJ**

MULLICA RIVER BASIN

LOCATION.--Lat 39°37'57", long 74°45'37" referenced to North American Datum of 1983, Hammonton Town, Atlantic County, NJ, Hydrologic Unit 02040301, at bridge on 8th Street, 0.6 mi downstream from Hammonton Lake, and 2.3 mi east of Hammonton.

DRAINAGE AREA.--2.71 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1974, 2001, 2005-09.

GAGE.--Reference point only.

REMARKS.--Flow may include some sewage effluent.

**DISCHARGE MEASUREMENTS  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft <sup>3</sup> /s
Oct 8, 2008	2.33
Nov 12, 2008	2.66
Feb 23, 2009	3.26
Mar 25, 2009	1.77
May 19, 2009	3.65
May 26, 2009	3.13
Jun 16, 2009	4.33
Jul 21, 2009	9.45
Aug 12, 2009	5.87
Aug 27, 2009	4.92
Sep 3, 2009	4.06
Sep 23, 2009	6.36

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**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued****WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 1974, 1976-78, 2007-09.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: June-September 2009.

DISSOLVED OXYGEN, PERCENT OF SATURATION: June-September 2009.

pH: June-September 2009.

SPECIFIC CONDUCTANCE: June-September 2009.

WATER TEMPERATURE: June-September 2009.

REMARKS.--Cooperative Network Site Descriptor: Low Level Mercury Assessment special study site. Samples on Oct 23 and Feb 11 were for the Low Level Mercury Assessment special study. The accuracy of continuous water-quality data was verified through simultaneous measurements of a similar instrument recorded at time of deployment and retrieval.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of carbonaceous biochemical oxygen demand and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 2

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

Date	Time	Baro-	Temper-	Instan-	Dis-	pH,	Specif-	Turbdty	Dis-	Sus-				
		metric	ature,	taneous	solved	solved	ic	white	solved	pended				
		pres-	air,	dis-	solved	oxygen,	unfltrd	light,	solids	solids,				
		sure,	charge,	oxygen,	percent	of sat-	field,	det ang	dried @	water,				
		(00025)	(00061)	(00300)	(00301)	(00400)	std	90+/-30	180degC	water,				
		mm Hg	deg C	ft <sup>3</sup> /s	mg/L	units	μS/cm @	water,	unfltrd	unfltrd				
		(00025)	(00020)	(00061)	(00300)	(00301)	25 degC	corrctd	5 day,	wat flt				
							NTRU	(63676)	mg/L	mg/L				
								(80082)	(70300)	(00530)				
Sep	17...	1045	752	18.0	2.2	7.5	80	6.4	115	18.3	3.5	<1.0	70	8

**WATER-QUALITY DATA  
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 2

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

Date	ANC,	Ammonia		Nitrate		Phos-	Phos-	Total	Chloro-	Pheo-	Iron,	Boron,		
	wat unf	+ Chlor-	org-N,	Ammonia	+ nitrite	phorus,	phorus,	nitro-	phyll a	phytin	water,	water,	Organic	
	fixed end pt,	ide, lab,	water, water,	unfltrd	filtrd,	water,	water,	gen,	phyto-	unfltrd	unfltrd	unfltrd	carbon,	
	mg/L as	mg/L as	mg/L as	mg/L as	mg/L as	mg/L	mg/L	mg/L	plank-	plank-	recover	recover	water,	
	CaCO <sub>3</sub>	mg/L	as N	as N	as N	as N	as P	as P	ton,	ton,	-able,	-able,	unfltrd	
	(90410)	(00940)	(00625)	(00608)	(00631)	(00666)	(00665)	(00600)	(00600)	(70953)	(62360)	(01045)	(01022)	
									fluoro,	fluoro,			(00680)	
Sep	17...	15	19.2	.32	.048	.64	.35	.44	.96	.7	1.4	666	24	3.6

**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**

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

Part 1 of 3

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

Date	Time	Medium name	Sample type	Baro-metric pressure, mm Hg (00025)	Temper-ature, air, deg C (00020)	Instan-taneous dis-charge, ft <sup>3</sup> /s (00061)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)
<b>Oct</b>								
08...	1100	Surface water	Regular	766	19.0	2.3	8.5	83
23...	1000	QC sample - Artificial	Field Blank	--	--	--	--	--
23...	1010	Surface water	Regular	778	8.0	--	7.4	69
<b>Feb</b>								
11...	0945	QC sample - Artificial	Field Blank	--	--	--	--	--
11...	1000	Surface water	Regular	762	13.0	--	9.2	80
<b>Mar</b>								
25...	1115	Surface water	Regular	771	8.0	1.8	--	--
<b>May</b>								
26...	1110	Surface water	Regular	736	12.0	3.1	6.4	66
<b>Jun</b>								
16...	1115	Surface water	Regular	--	25.0	4.3	7.1	77
<b>Jul</b>								
21...	1115	Surface water	Regular	762	--	9.4	5.7	64
<b>Aug</b>								
12...	1115	Surface water	Regular	--	28.0	5.9	6.2	75
<b>Sep</b>								
03...	1015	Surface water	Regular	--	21.0	4.1	7.4	80
23...	1100	Surface water	Regular	766	21.0	6.4	5.7	62

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**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**

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

Part 2 of 3

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

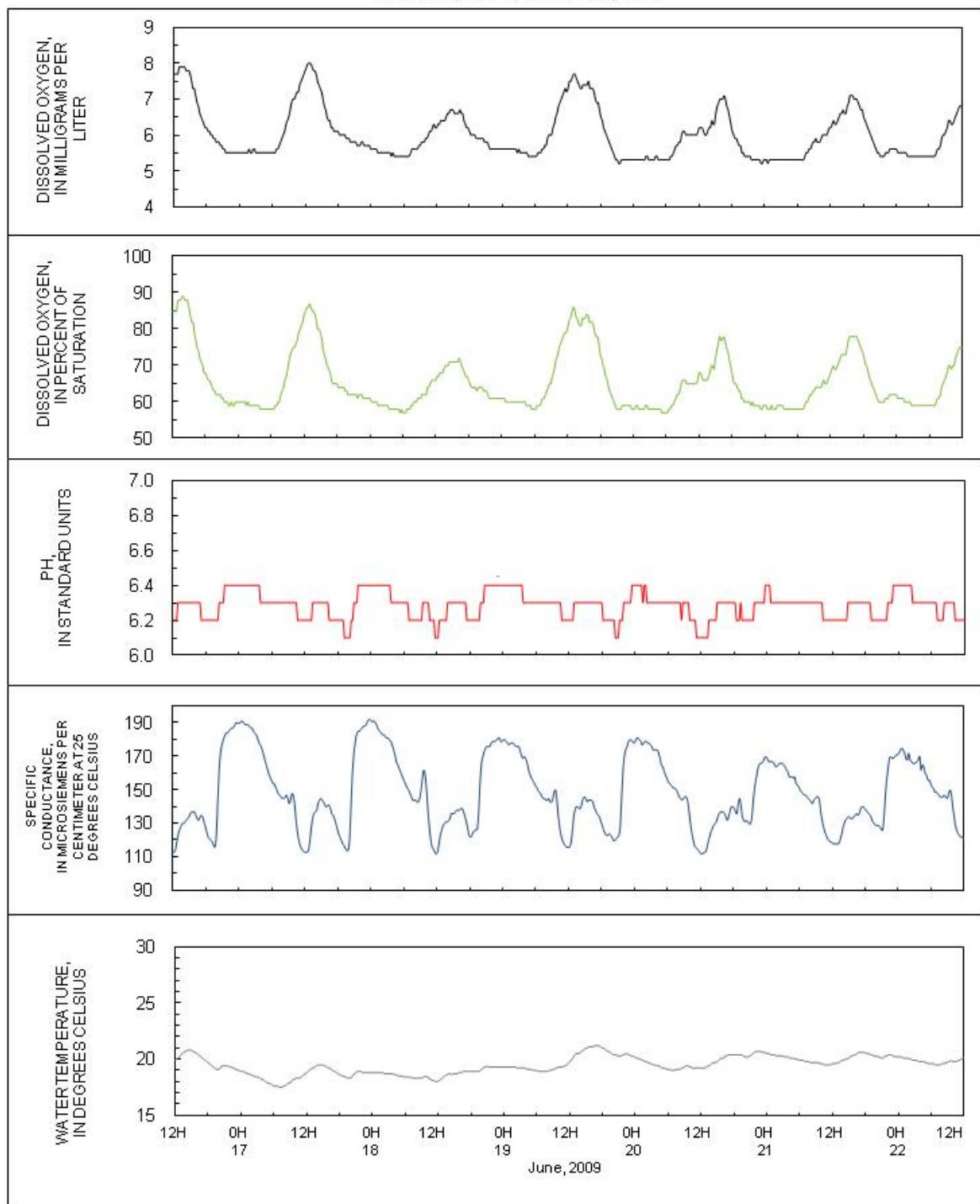
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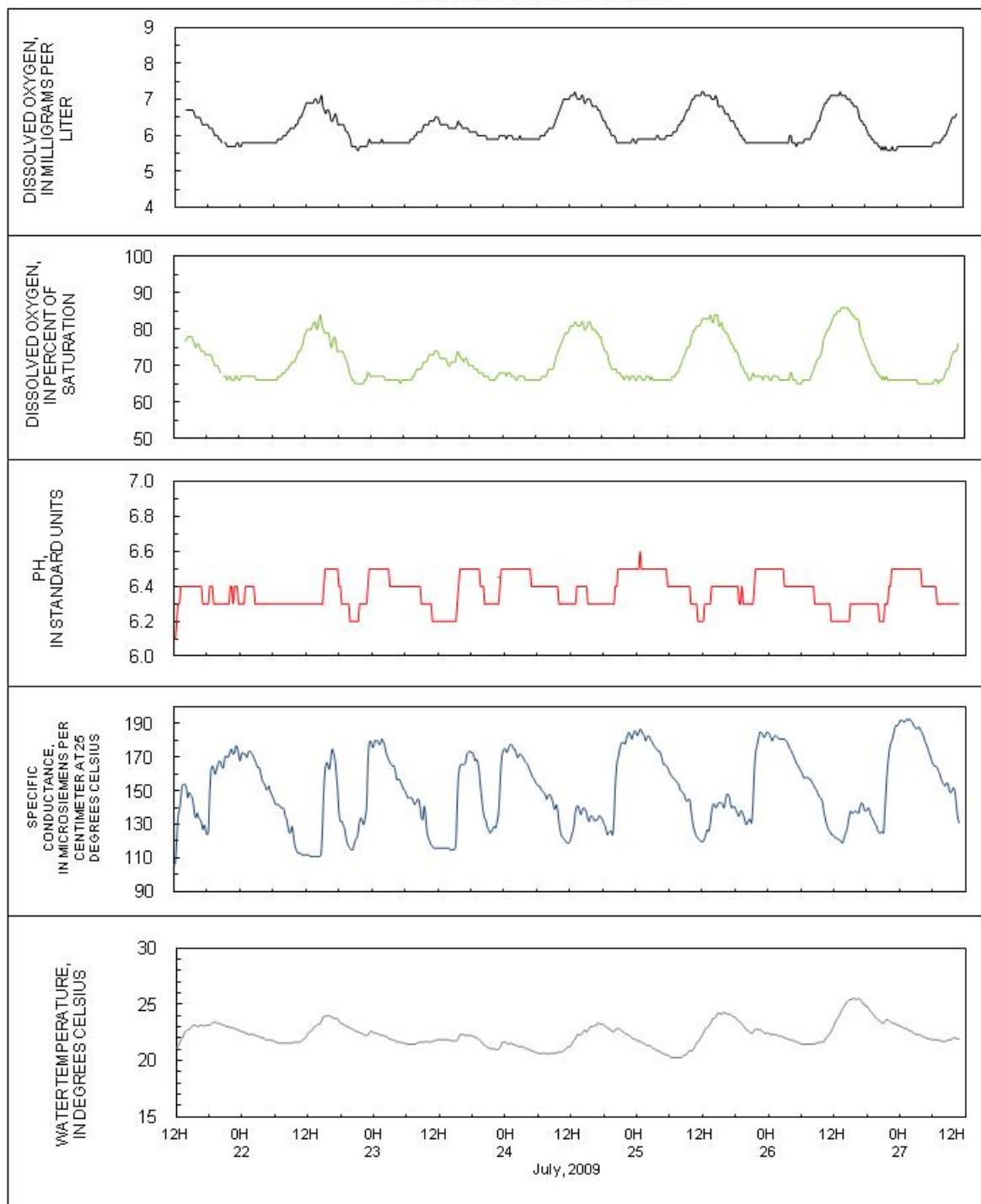
**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

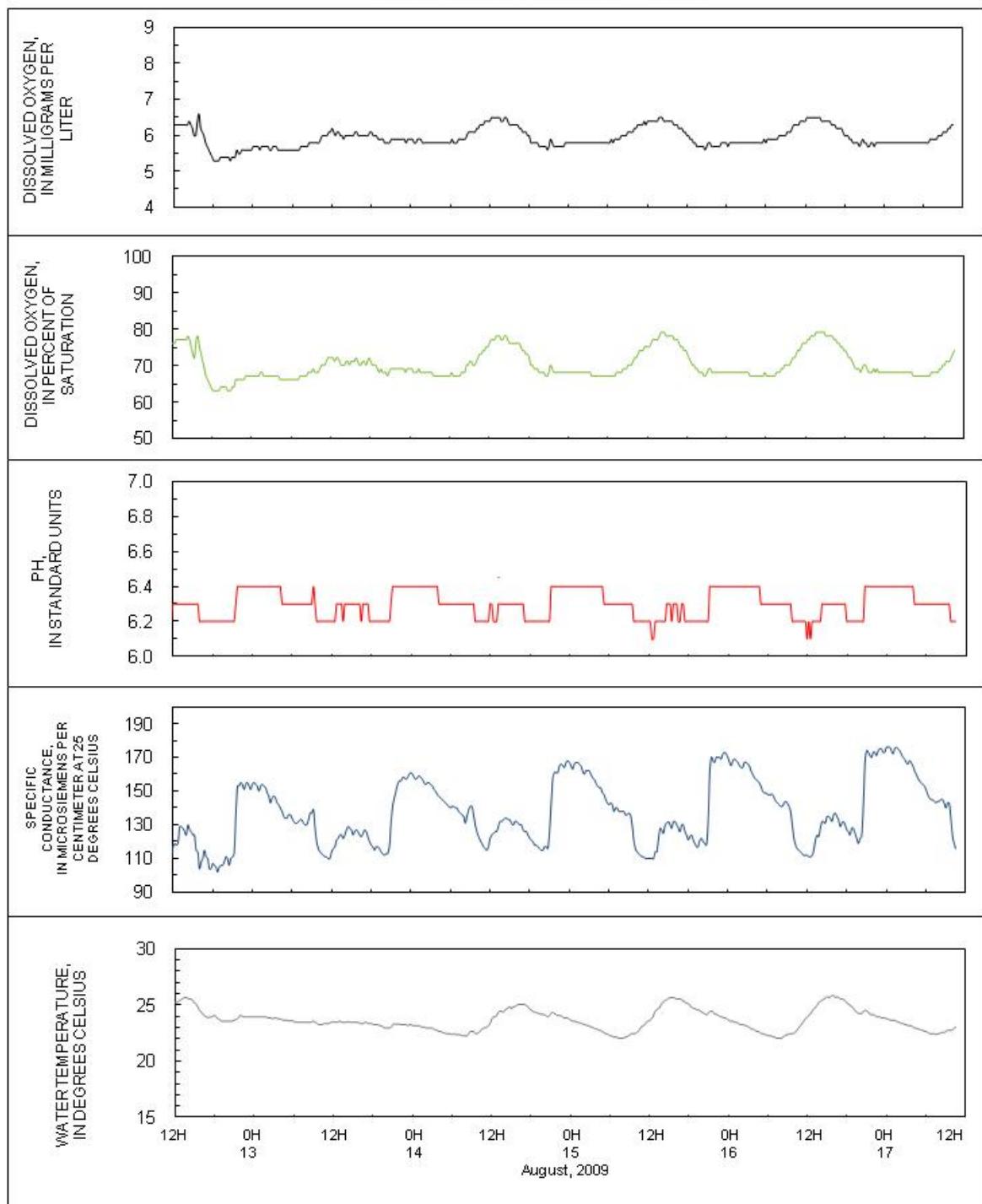
Part 3 of 3

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

Date	Phos- phorus, water, unfiltrd mg/L as P (00665)	Total nitro- gen, water, unfiltrd mg/L (00600)	Chloro- phyll a phyto- plank- ton, fluoro, μg/L (70953)	Pheo- phytin a, phyto- plank- ton, μg/L (62360)	Iron, water, unfiltrd recover- able, μg/L (01045)	Boron, water, Mercury unfiltrd water, unfiltrd ng/L (50286)	Methyl- mercury water, unfiltrd μg/L (01022)	Organic carbon, water, unfiltrd ng/L (50284)	Organic carbon, water, unfiltrd mg/L (00680)
<b>Oct</b>									
08...	.36	1.1	8.2	2.5	643	--	24	--	2.3
23...	--	--	--	--	--	<.04	--	<.04	--
23...	--	--	--	--	--	10.8	--	.15	--
<b>Feb</b>									
11...	--	--	--	--	--	<.04	--	<.04	--
11...	--	--	--	--	--	26.0	--	.22	--
<b>Mar</b>									
25...	.10	1.3	1.0	.8	209	--	20	--	1.7
<b>May</b>									
26...	.56	1.5	1.5	4.0	1,050	--	54	--	4.9
<b>Jun</b>									
16...	.32	.97	.7	1.5	922	--	15	--	5.7
<b>Jul</b>									
21...	.33	1.1	E2.1	E4.0	2,090	--	33	--	9.9
<b>Aug</b>									
12...	.21	.73	2.3	3.8	2,140	--	18	--	7.8
<b>Sep</b>									
03...	.16	.81	4.3	3.3	1,430	--	16	--	5.5
23...	.16	.93	2.4	2.8	1,030	--	32	--	6.8

**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES  
JUNE 16, 2009 TO JUNE 22, 2009

**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES  
JULY 21, 2009 TO JULY 27, 2009

**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES  
AUGUST 12, 2009 TO AUGUST 17, 2009

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**01409414 HAMMONTON CREEK AT HAMMONTON, NJ—Continued**

WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES  
SEPTEMBER 22, 2009 TO SEPTEMBER 25, 2009

