

Water-Data Report 2007

405557074280701 Local number 271863- SUS 0488 Dom

 Piedmont and Blue Ridge crystalline-rock aquifers
 Precambrian Erathem

Morris County, NJ

LOCATION.--Lat 40°55'57.0", long 74°28'08.4" referenced to North American Datum of 1983, Rockaway Township, Morris County, NJ, Hydrologic Unit 02030103, off Old Beach Glen Road.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 250 ft. Upper casing diameter 6 in; top of first opening 55 ft, bottom of last opening 250 ft.

DATUM.--Land-surface datum is 580 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 inch steel casing, 1.50 ft above land-surface datum, May 19, 1993, to present.

PERIOD OF RECORD.--Water years 1998, 2007.

REMARKS.--Mid Proterozoic Losee Metamorphic suite.

COOPERATION.--Water-quality samples were collected as part of the North New Jersey Radionuclide project, in cooperation with the New Jersey State Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007**

Part 1 of 4

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

Date	Time	Sample type	Turbidity white light, det ang 90+/30 corrcrd	Barometric pressure, mm Hg (63676)	pH, disolved oxygen, mg/L (00025)	water, unfltrd field, std units (00300)	Specif- ic conduc- tance, wat unf μS/cm (00400)	Temper- ature, wat unf air, deg C (00095)	Temper- ature, water, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Chlor- ide, water, fltrd, mg/L (00940)
Sep 25...	1215	Environmental	6.1	753	5.4	5.8	1,050	24.0	12.1	82.2	55	265	
25...	1215	Replicate	--	--	--	--	--	--	--	--	--	--	
25...	1300	Treated water	.3	753	6.9	5.8	1,050	27.0	15.7	--	54	--	

Water-Data Report 2007

405557074280701 Local number 271863- SUS 0488 Dom—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 4

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

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phosphate, water, fltrd, mg/L as P (00671)	E coli, Defined Substr., Tech., MPN/ 100 mL (50468)	Total coli- form, Defined Tech., MPN/ 100 mL (50569)	Arsen- ite, water, fltrd, μg/L as As (62453)	Arsenic water, fltrd, μg/L as As (01000)	Arsen- ite, water, fltrd, μg/L Barium, water, fltrd, μg/L (01005)	Iron, water, fltrd, μg/L (01046)	
Sep													
25...	23.1	26.6	<.020	3.06	<.002	.008	<1	<1	E.2	<.12	E.10	8.8	10
25...	--	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	<1	<1	--	E.08	--	--	--

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 4

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

Date	Mangan- ese, water, fltrd, μg/L (01056)	Stront- ium, water, fltrd, μg/L (01080)	Alpha radioac 2-sigma 72 hr, wat flt Th-230, pCi/L (62637)	Alpha radioac mdc, 72 hr, wat flt Th-230, pCi/L (62638)	Alpha radioac 72 hr, wat flt Th-230, pCi/L (62636)	Ra-226 2-sigma Ra-224 MDC, water, gamma count, pCi/L (99324)	Ra-226 water, fltrd, water, gamma count, pCi/L (50911)	Ra-226 water, fltrd, MDC, water, gamma count, pCi/L (99325)	Ra-228 2-sigma Ra-226, water, unfltrd, gamma count, pCi/L (50837)	Ra-228 water, MDC, water, gamma count, pCi/L (50840)	Ra-228, water, unfltrd gamma count, pCi/L (99326)	Rn-222 count- ing error, water, unfltrd pCi/L (82302)	
Sep													
25...	13.9	255	.60	.5	1.0	.440	.40	1.200	E.19	.87	2.500	<2.50	41
25...	--	--	.68	.5	1	--	--	--	--	--	--	--	--
25...	<.2	--	.36	.6	E.2	1.000	.36	1.100	<1.10	.76	2.100	<2.00	42

WATER-QUALITY DATA
**WATER YEAR OCTOBER 2006 TO
SEPTEMBER 2007**

Part 4 of 4

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

Date	Uranium	
	Rn-222, natural water, fltrd, pCi/L (82305)	water, fltrd, μg/L (22703)
Sep		
25...	209	.09
25...	--	--
25...	245	<.04