Water-Data Report 2006

395322075561701 Local number CH 2421

Piedmont and Blue Ridge crystalline-rock aquifers
Peters Creek Schist

Chester County, PA

LOCATION.--Lat 39°53′22″, long 75°56′17″ referenced to North American Datum of 1927, Chester County, PA, Hydrologic Unit 02050306.

WATER-QUALITY RECORDS

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

DATUM.--Land-surface datum is 575 ft above National Geodetic Vertical Datum of 1929. Measuring point: TOP OF CASING, 0.00 ft above land-surface datum, Jan. 1, 1980, to present.

REMARKS.--Some values for filtered parameters exceed values for the corresponding unfiltered parameter. These results are within the limits of analytical precision and methods. Station operated as part of the Chester County Ground-Water-Quality Monitoring Project.

COOPERATION.--Station established and maintained by the U.S. Geological Survey in cooperation with the Chester County Water Resources Authority and Chester County Health Department.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 1 of 3
[Remark codes: <, less than; E, estimated.]

Date	Time	Agency analyzing sample, code (00028)	Altitude of land surface feet (72000)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unf lab, uS/cm 25 degC (90095)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
Sep 27...	1000	80020	575	6.6	5.8	6.2	273	273	13.4	27.1	6.30	.79	11.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 2 of 3
[Remark codes: <, less than; E, estimated.]

Date	ANC, wat unf incrm. titr., field, mg/L as CaCO3 (00419)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)
Sep 27...	32	21.1	<.10	8.6	23.7	<.010	9.36	E.001	.018	E.08	16	53.4	<6

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
Part 3 of 3
[Remark codes: <, less than; E, estimated.]

Date	Lead, water, fltrd, ug/L (01049)	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, fltrd, ug/L (01056)	Zinc, water, fltrd, ug/L (01090)	Gross alpha 30 day recount wat unf Th-230, pCi/L (63016)	Gross alpha radioac 72 hr, wat unf Th-230, pCi/L (63014)	Gross beta 30 day recount wat unf Cs-137, pCi/L (63017)	Gross beta radioac 72 hr, wat unf Cs-137, pCi/L (63015)	Uranium natural water, fltrd, ug/L (22703)
Sep									
27...	2.06	2.39	.8	47.2	5.0	5.5	4.4	3.5	.24