

ABBREVIATIONS USED – Nutrients (data source: U.S. Environmental Protection Agency)

WELL AND SAMPLE IDENTIFIERS (file last modified September 2007)

LOCAL – Local name used to identify well or spring. First two letters represent site type (MS - monitor spring, MW - monitor well, SP - spring, WE - well), the following alphanumeric combinations consist of the station identifier.

STAID – Station Identifier. Consists of variable alphanumeric combinations utilized by the originating agency to identify well or spring.

SOURCE – U.S. Environmental Protection Agency (USEPA). Samples collected for a wide range of water-quality, water resources, and other hydrogeologic investigations.

DATES – Date the sample was collected.

LAT – Latitude of well, in degrees, minutes, and seconds, in format DDMMSS.

LONG – Longitude of well, in degrees, minutes, and seconds, in format DDMMSS.

DLAT – Latitude of well, in degrees and decimal minutes and seconds, in format DD.MMSS.

DLONG – Longitude of well, in degrees and decimal minutes and seconds, in format DD.MMSS.

CNTYC – County where well is located. For USEPA, the counties are Adams, Allegheny, Bedford, Berks, Blair, Bradford, Bucks, Butler, Carbon, Centre, Chester, Clarion, Clearfield, Clinton, Crawford, Cumberland, Dauphin, Delaware, Elk, Erie, Forest, Franklin, Indiana, Jefferson, Lackawanna, Lancaster, Lawrence, Lebanon, Lehigh, Luzerne, Lycoming, McKean, Mercer, Mifflin, Monroe, Montgomery, Montour, Northampton, Northumberland, Philadelphia, Pike, Potter, Schuylkill, Sullivan, Susquehanna, Tioga, Venango, Warren, Washington, Wayne, Westmoreland, York.

BASINS – The PADEP basin (numbers range from 1-35) the well is located in. For USEPA, wells are located in Basins 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31, 32, 33, 34, 35.

GEO1 – General geologic (bedrock) unit. For USEPA, the bedrock units are acoal (anthracite coal bearing), bcoal (bituminous coal bearing), dkcryst (dark crystalline), ltcrys (light crystalline), pocarb (Precambrian through Ordovician carbonates), qscong (quartzite, sandstone, and conglomerate), redsed (red sedimentary rocks), schist (schist), sdcarb (Silurian and Devonian carbonates), shale (shale), trised (Triassic age sedimentary rocks), uncon (unconsolidated sand and gravel, age unknown), ice (glacial sediments).

GEO1ITH – Generated numeric code that relates to GEO1. acoal = 1, bcoal = 2, dkcryst = 3, ltcrys = 4, pocarb = 5, qscong = 6, redsed = 7, schist = 8, sdcarb = 9, shale = 10, trised = 11, uncon = 12, ice = 13.

PARAMETER CODES (Analyte sampled)

P00600 – Nitrogen, unfiltered (unf), in milligrams per liter (mg/L) as nitrogen (N)

P00605 – Organic nitrogen, unf, mg/L as N

P00608 – Ammonia, filtered (fil), mg/L as N

P00610 – Ammonia unf, mg/L as N

P00613 – Nitrite, fil, mg/L as N

P00615 – Nitrite, unf, mg/L as N

P00619 – Ammonia, unf, mg/L as N
 P00620 – Nitrate, unf, mg/L as N
 P00625 – Ammonia plus organic nitrogen, unf, (kjeldahl) mg/L as N
 P00630 – Nitrite plus nitrate, unf, mg/L as N
 P00631 – Nitrite plus nitrate, fil, mg/L as N
 P00636 – Ammonia plus organic nitrogen, mg/L as N
 P00639 – Albuminoid nitrogen, unf, mg/L as N
 P00650 – Phosphate, unf, mg/L as phosphate (PO4)
 P00660 – Orthophosphate, fil, mg/L as PO4
 P00665 – Phosphorus, unf, mg/L as phosphorous (P)
 P00666 – Phosphorus, fil, mg/L as P
 P00671 – Orthophosphate, fil, mg/L as P
 P00680 – Organic carbon, unf, mg/L as carbon (C)
 P00682 – Carbon (inorganic plus organic), fil, mg/L as C
 P00685 – Inorganic carbon, unf, mg/L as C
 P00690 – Carbon (inorganic plus organic), unf, mg/L as C
 P70505 – Total phosphate (colorimetric), unf, mg/L as P
 P70507 – Orthophosphate, unf, mg/L as P
 P71850 – Nitrate, unf, mg/L as nitrate (NO3)
 P71855 – Nitrite, unf, mg/L as nitrite (NO2)
 P71888 – Phosphorus, fil, mg/L as PO4
 P71889 – Soluble orthophosphate, mg/L as PO4

ANALYTES WITH NATIONAL DRINKING WATER STANDARDS and CURRENT (2006) U.S. Environmental Protection Agency Maximum Contaminant Level (MCL)

<u>Analyte</u>	<u>MCL</u>	<u>Units</u>
Nitrite (as N)	1	mg/L
Nitrite as (NO2)	3.29	mg/L
Nitrate (as N)	10	mg/L
Nitrate (as NO3)	44.29	mg/L