COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WASTE MANAGEMENT

Date Prepared/Revised
DEP USE ONLY
Date Received

FORM 18
WATER QUALITY MONITORING SYSTEM
PHASE II

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 18, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: Sections 273.281-273.283, 277.281-277.283, 279.233, 281.254, 283.233

SECTION A. SITE IDENTIFIER

Applicant/permittee:

Site Name:

Facility ID (as issued by DEP):

SECTION B. FACILITY INFORMATION

County: _____

Township or Municipality: _____

Anniversary Date (mm/dd/yyyy): _____

Owner/Operator: _____

Address: _____

Phone: _____

Consultant: _____

Address: _____

Phone: _____

Driller: _____ License Number: _____

Address: _____

Phone: _____

To be submitted on completion of Ground Water Monitoring System and prior to Phase II approval.

SECTION C. GENERAL MONITORING INFORMATION (Attach Additional Sheets As Needed)

Total Number of Monitoring Points (including wells, springs, etc.) _____

Number of Upgradient Wells _____

Number of Downgradient Wells _____

Number of leachate detection monitoring points _____

Number of monitoring points other than wells or leachate detection monitoring points _____

Description of other monitoring points _____

_____

Number of water-bearing zones monitored _____

Characterization of water-bearing zones monitored (thickness, lithology, grain size, etc.) _____

_____

_____

_____

Name and Date of Topographic Map _____

DEP topographic map code: _____

SECTION D. MONITORING POINT GEOGRAPHIC AND HYDROGEOLOGIC DESCRIPTORS

ALL MONITORING POINTS MUST HAVE AN ASSOCIATED LATITUDE AND LONGITUDE DETERMINED ACCURATELY TO THE NEAREST ONE TENTH OF A SECOND (DD' MM' SS.S'). USE ABBREVIATIONS/ CODES LISTED ON PAGE 4 WHERE APPROPRIATE.

When additional space is needed use copies of this format.

Monitoring Point Number (1)				
Latitude				
Longitude				
Method of measurement for Lat/Long (2)				
Type of Monitoring Point (3)				
Monitoring Point Function (4)				
USGS Aquifer Code (5)				
MONITORING WELL INFORMATION				
Drilling Method (6)				
Completion Date (mm/dd/yyyy)				
Total Depth (ft.)				
Depth to Bottom of Casing (ft.)				
Ground Surface Elevation				
Measuring Point Elevation (7)				
Method of Measuring Elevation (9)				
Measuring Point Description (10)				
Exposed Casing - above ground surface (ft.)				
Well Casing Material (11)				
Well Casing Diameter (in.)				
Monitoring Point Number (1)				
Depth to top of screened Interval (ft)				
Depth to bottom of screened Interval (ft)				
Screen Slot Size (in.)				
Screen Material Type (11)				
Packing Material Diameter (in.)				
Packing Material Type (12)				
Interval Grouted (Depth Range, ft.)				
Grout Type (13)				
Annular Thickness of Grout (in.)				
Protective Casing Diameter (in.)				
Protective Casing Material (11)				

MONITORING WELL INFORMATION (Continued)

Protective Casing Grout Type [13]				
Concrete Collar Placed - 3 foot minimum diameter				
Locking Cap (Y/N)				
Sampling Device [14]				
Dedicated Sampling Device (Y/N)				
Sample Pump Capacity (gpm)				
Sample Port Diameter (in.)				
Dedicated Bailer (Y/N)				
Use of Water Other Than Monitoring [15]				
Type of Well Logs [16]				
Type of Pump Used for Aquifer Testing [14]				
Pump Capacity for Aquifer Test (GPM)				
Depth to Aquifer Test Pump (ft.)				
GPM Pumped or Bailed for Test Intake (ft.)				
Static Water Level-Initial for Pump Test [7]				
Final Water Level for Pump Test [7]				
Monitoring Point Number [1]				
Drawdown for Aquifer Test (ft.)				
Length of Aquifer Test (min.)				
Date of Aquifer Test (mm/dd/yyyy)				
Specific Capacity (gpm/ft)				
Transmissivity (gpd/ft)				
Storage Coefficient				
Hydraulic Conductivity (gpd/ft2)				
SPRING INFORMATION				
Monitoring Point Number [1]				
Discharge Point Elevation [7]				
Perennial (Y/N)				
Flow Rate (gpm)				
Method of Measurement [17]				
Date of Measurement (mm/dd/yyyy)				
Sampling Method (grab (G), composited (C)				

SECTION D. MONITORING POINT GEOGRAPHIC AND HYDROGEOLOGIC DESCRIPTORS (Continued)

Definitions and abbreviations/codes are listed below:

(1) Number all monitoring points consecutively and permanently. The number should be followed by a 'U' or 'D' to designate upgradient or downgradient.
(2) Surveyed by Datum (SD), USGS Quad Sheet (UQ).
(3) Well (W), Spring (S), Boring (B), Well/Boring (WB), Stream (ST).
(4) Detection (D), Assessment (A), Corrective Action (C).
(5) Give reference to Code Number.
(6) Air Rotary (AR), Mud Rotary (MD), Reverse Rotary (RR), Water Rotary (WR), Hollow Stem Continuous - flight auger (HS), Solid Stem Contiguous - flight auger (SS), Air Drill with Casing Hammer (AD), Other (OT).
(7) Ft/MSL.
(8) Unless otherwise indicated, the measuring point is assumed to be top of inner casing (well casing), ft/MSL.
(9) Surveyed by datum (SD), USGS Quad (UQ), Altimeter (AL), Surveyed by temporary location (ST), Other (OT).
(10) Top of protective casing (TPC), Top of well casing (TWC), Top of land surface (LS), Other (OT).
(11) PVC (PV), Teflon (TE), Stainless Steel (SS), Other (OT).
(12) Clean Quartz Sand (CQ), Silica (S), Glass Beads (GB), Fabric (F), Gravel (GR), Other (OT).
(13) Cement (C), Sodium Bentonite (SB), Cement & Bentonite Mixture (CBM), Calcium Bentonite (CB), Other (OT).
(14) Bladder Pump (BLA), Bailer (BAI), Submersible Pump (SUB), Centrifugal (CEN), Turbine (TUR), Other (OTH).
(15) Inspection (IN), Fire (F), Domestic (D), Sanitary Facilities (SF), Public Supply (PS), Oil and Gas (OG), Residential (R), Industrial (ID), Livestock/Agric. (LA), Irrigation (IR).
(16) Gamma (GA), Lithologic (LI), Drillers (DR), Electric (EL), Neutron (NE), Caliper (CA), Other (OT).
(17) Flowmeter (F), Stop Watch (SW)