

Revised 4/27/15

**West Virginia Department of Environmental Protection
Division of Water and Waste Management**

**GROUNDWATER PROTECTION PLAN
FOR NONCOMMERCIAL CONSTRUCTION/DEMOLITION
SOLID WASTE FACILITY – CLASS D GENERAL PERMIT**

A Groundwater Protection Plan (GPP) for this facility is required by the West Virginia Department of Environmental Protection (WVDEP). The primary purpose of the GPP is to make the facility operator aware that groundwater, by law, must be protected. Other important parts of the GPP are the inventory of all operations (materials, fuel storage, and other activities) that “may reasonably be expected to” contaminate groundwater, and a description of procedures to prevent occurrences of potential groundwater contamination.

Submit the GPP to: WVDEP, Division of Water and Waste Management, Groundwater Section; 601 57th Street SE, Charleston, WV 25304; Ph. (304) 926-0499.

The form below will be your GPP after you:

1. Read and understand each GPP Element Section.
2. Write or type the information required in the space below each GPP Element Section. Add extra sheets, if necessary.
3. Attach a location map; indicate the location of the site on the map.
4. Attach a site diagram or plan showing the location of all GPP elements.
5. Sign and date the GPP.

The completed GPP must be available at the facility office at all times (47CSR58 Subdivision 4.12.c.).

Registrants must provide the following information:

Registrant's Information:

Registrant's Name: _____
Name of Reg.'s Company: _____
Registrant's Address: _____
Registrant's Telephone No.: _____
Registrant's Email Address: _____

Property Owner's Information:

Property Owner's Name: _____
Property Owner's Address: _____
Property Owner's Telephone No.: _____

Facility Information:

Facility Name: _____
Facility Address: _____
County: _____
Facility's Telephone No.: _____

Name of Receiving Stream: _____

Name of Watershed: _____

Center of Disposal Area: (in degrees, minutes, seconds)

Latitude: _____ Longitude: _____

The solid waste facility shall be located and operated in accordance with all applicable federal, state, county or local laws, rules, ordinances, or restrictions.

Are there any zoning restrictions that prohibit a landfill/ solid waste facility in the proposed location?

Yes: _____ No: _____

GPP Elements

Information Required

4.11.a. A list of all operations that may reasonably be expected to contaminate groundwater.	A list of all processes, materials, and other activities that could contaminate groundwater. Examples are unlined ponds, underground storage tanks, aboveground storage tanks (especially those with underground piping), or waste piles.
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4.11.b. A description of procedures and facilities designed to protect groundwater quality from the list of potential contaminant sources above.	Examples are secondary containment for aboveground tanks, drum storage areas, and underground piping. Other information may include: 4.11.b.2. - Materials Handling 4.11.b.3. - Equipment Cleaning 4.11.b.5. - Pipelines Carrying Contaminants 4.11.b.6. - Sumps and Tanks Containing Contaminants
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4.11.c. List procedures to be used when designing and adding new equipment or operations.	From these listed procedures what structures and operating practices will be used to prevent groundwater contamination? Examples may be the addition of landfill area or fuel storage tanks.
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<p>4.11.d. Summarize all activities at your facility that are already regulated for groundwater protection.</p>	<p>Examples would be the registration of underground storage tanks and required groundwater monitoring, or construction and use of a commercial landfill and required groundwater monitoring.</p>
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<p>4.11.e. Discuss any existing groundwater quality data for your facility or adjacent property(ies).</p>	<p>Include the most recent year of sampling data if available. Many facilities will have no information for this section. Attach data sheets if necessary.</p>
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<p>4.11.f. A statement that no waste material will be used for fills, deicing, etc., on the property unless allowed by an existing permit.</p>	<p>Write an appropriate statement that this practice will not be used at your facility. This statement will only apply to road deicing at a Class D General Permit facility.</p>
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<p>4.11.g. Provisions for all employees to be instructed and trained on their responsibility to ensure groundwater protection. Job procedures shall provide direction on how to prevent groundwater contamination.</p>	<p>Summarize training for all employees to ensure familiarity with the GPP. Permitted waste identification procedures and liquid spill cleanup procedures should be included.</p>
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<p>4.11.h. Include provisions for inspections of all GPP elements and equipment. At a minimum, inspections must be made on a quarterly basis.</p>	<p>Discuss frequency of inspections by state personnel. Include inspection form if one is used. Inspection records should be saved to verify GPP inspections. The inspections should include fuel storage facilities and checking for illegal dumping of materials which may reasonably be expected to contaminate groundwater.</p>
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<p>Registrant Signature</p>	
<p>Date</p>	

Class D Solid Waste General Permit Groundwater Protection Practices Policy

- I. A liner and/or groundwater monitoring may be required if a field study conducted by the registrant indicates that a Class D Solid Waste facility located in karst or fractured bedrock terrain has the potential to contaminate groundwater.
- II. A liner and groundwater monitoring are REQUIRED for any Class D Solid Waste facility within a Wellhead Protection or Source Water Protection Area as delineated by the West Virginia Bureau for Public Health, Office of Environmental Health Services, Environmental Engineering Division, or those facilities that have an outer boundary within one quarter (1/4) mile radius of a private drinking water supply.
- III. The following materials* are prohibited from any Class D Solid Waste Facility:
 - Aerosols;
 - Appliances;
 - Asbestos-Containing Waste Materials (ACWM's);
 - Automobile Shredder Fluff;
 - Ballasts;
 - Batteries;
 - Burnt Debris;
 - Capacitors;
 - Carpet and other Synthetic Floor Covering;
 - Cement;
 - Computers and Computer Equipment, as E-Wastes;
 - Contaminated Solid Waste;
 - Electrical Wastes, including batteries, mercury-containing switches, transformers and capacitors, and fluorescent tubes;
 - Free Liquids of any kind; including solvents, lubricating oil, brake fluid, cement slurry; any automotive fluids or fuels, adhesives, caulking, lacquers, paint, and sealants;
 - Household Furnishings or Household Wastes;
 - Industrial Wastes;
 - Lead;
 - Lead Flashing;
 - Liquid Paint, including lead-based paint;
 - Mercury-Containing Switches;
 - Metal Wastes, including metal piping, wiring, or similar wastes easily removed in demolition, or excess materials generated in construction or remodeling;
 - Oil Filters;
 - Pesticides;
 - Pressure Treated Wood;
 - Pressure Treated Wood or Lumber containing creosote or other preservatives;
 - Putrescible Wastes;
 - Railroad Ties;
 - Resin Containers;
 - Sludge Wastes;
 - Waste Tires;
 - White Goods; and,
 - Yard Wastes, except as encountered in site construction.

Note: This list is not final and may be revised upon evidence of groundwater contamination from other materials or other environmental concerns as may be applicable.