

## **PREPARING A GROUNDWATER PROTECTION PLAN For Land Application of Solid or Special Waste**

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[Groundwater Protection Webpage](#)

The Groundwater Protection Plan Regulation, 401 KAR 5:037, requires anyone who conducts any of the following activities to have a GPP:

- (1)(e) “Land treatment or land disposal of a pollutant,” and
- (1)(f). “Storing, treating, disposing, or related handling of hazardous waste, solid waste, or special waste in landfills, incinerators, surface impoundments, tanks, drums or other containers, or in piles”;
- (1)(g) “Commercial or industrial storing or related handling in bulk quantities of raw materials, intermediate substances or products, finished products, substances held for recycling, or other pollutants held in tanks, drums or other containers, or in piles”;
- (1)(o) “Impoundment or containment of pollutants in surface impoundments, lagoons, pits, or ditches...”
- (1)(p) “Commercial or industrial transfer, including loading and unloading, in bulk quantities of raw materials, intermediate substances or products, finished products, substances held for recycling, or other pollutants.”

The GPP must include all activities being conducted at a site that are subjected to 401 KAR 5:037. And, to be in compliance with 401 KAR 5:037, the GPP must be implemented when the activities commence.

The following is a suggested outline for a **Land Application of Solid or Special Waste** GPP:

### GROUNDWATER PROTECTION PLAN FOR (NAME OF FACILITY)

#### Section A. GENERAL INFORMATION

- Name, Address, and Location of Facility
- Name and contact information of Person Developing GPP
- Name(s) and contact information of Person(s) Responsible for Implementing GPP

- Brief Description of Facility Operation: The description must include:
  1. A description of the material(s) to be land farmed
  2. The Location(s) of all Land Application Sites on Topographic Maps

Section B. ACTIVITIES THAT HAVE THE POTENTIAL TO POLLUTE GROUNDWATER

- List all the activities that are conducted at your facility that require a GPP.
- Activities performed in the storage of solid or special waste and the land application process may include:
  1. Storing waste in tank or lagoon prior to land incorporation.
  2. Unloading wastes from truck to storage tank or lagoon.
  3. Applying waste onto land surface or incorporating into soil.

Section C. PRACTICES SELECTED TO PROTECT GROUNDWATER FROM POLLUTION

- Describe protective practices for tanks or lagoon storing waste.
- Describe protective practices for cleaning up spills that may occur
- Provide name(s) and certification numbers of Certified Landfarming Operator(s).
- Provide permit number(s) from the Kentucky Division of Waste Management .
- The practices required by 401 KAR 45:100 Section 6 may be incorporated by reference. All certified operators must sign the statement below:

I, \_\_\_\_\_, certify that the operation of this landfarm is in compliance with 401 KAR 45:100, Section 6.

- Signature(s)
- Date

Section D. IMPLEMENTATION SCHEDULE

- The GPP must be implemented immediately upon commencement of activities

Section E. EMPLOYEE TRAINING

- Training must include all aspects of the GPP. Training required for Operator Certification may be included.
- State frequency of training sessions—initial and refresher sessions. Be specific

Section F. INSPECTION SCHEDULE

- State the frequency of the inspections (daily, monthly, quarterly, etc.) and what is to be inspected.
- Include an Inspection Checklist. The checklist is documentation that you are implementing the GPP.

Section G. CERTIFICATION STATEMENT

I \_\_\_\_\_ certify that this Groundwater Protection Plan complies with the requirements of 401 KAR 5:037. I have read the terms of the plan and will implement its provisions.

\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Date

Section H. RECORD RETENTION REQUIREMENT

- Specify how public requests for viewing the GPP will be handled, as per Section 4(7) of 401 KAR 5:037
- Retain the GPP and all compliance records for 6 years

Note - Remember to review your entire GPP every 3 years. If no changes have occurred in responsible personnel, activities, or protective practices, you may recertify the plan by signing and dating a new certification statement under Section G. You must revise your plan at the time any changes occur, even if it has been less than 3 years since your last review.