

ACTIVITIES SUBJECT TO 401 KAR 5:037 THAT COMMONLY OCCUR AT CONVENIENCE STORES

- Underground Storage Tanks (UST's)
- Aboveground Storage Tanks (AST's)
- Storage and Disposal of Vehicle Fluids
- Floor Drains
- Oil/water Separator
- Spills due to vehicle malfunction and customers overfilling gas tank
- Onsite sewage treatment system (septic system, package treatment plant, wetland, or sewage lagoon)
- Monitoring Wells
- Grease Trap (facilities with fast food restaurants)

This listing is by no means complete, and some of the above activities may not apply to your store. Be sure to read Section 2 of the regulation thoroughly to assure that all regulated activities that occur at your store are included in your Groundwater Protection Plan (GPP).

The GPP must include information about the capacity and contents of each storage tank. Secondary containment for AST's includes use of double walled tanks, and structures to contain a spill. UST's are regulated by the Underground Storage Tank Program. Practices required by this program are protective of groundwater and may be incorporated by reference. See the guidance for information to include about containment structures and for instructions to incorporate by reference.

Facilities that conduct vehicle maintenance should provide information on storage locations for:

1. 55-gallon or larger containers of new oil, coolants, or transmission fluid.
2. Any size containers of waste oil, used coolants and transmission fluid. Provide a specific explanation regarding how these pollutants are disposed (i.e. recycler picks up, burn for heat).

Determine where floor drains in maintenance areas go. If you can't determine where the floor drain goes, or if a floor drain in this area discharges to a septic tank, plug the drain **immediately!**

Oil/water separators that are improperly maintained or not maintained at all may potentially pollute groundwater. If an oil/water separator is in use, as may be required for a car or truck wash, the following information should be provided in the GPP:

- KPDES Permit Number.
- Frequency of maintenance and clean out.
- Name and address of tank cleaning service engaged to clean out the separator.
- If sludge and/or oil are stored in a drum for disposal, provide the name and address of the company contracted for disposal.

Minor spills due to vehicle malfunction or customers overfilling gas tanks must be cleaned up immediately after discovery. Overfilling of gas tanks may be prevented by using an automatic cutoff switch and breakaway protection at the pump. Spill clean up equipment (such as cat litter, oil dry, or "pigs" for absorbing larger spills) must be readily available. Explain exactly what will be done with the contaminated material.

The cabinet-written generic GPP for residential septic systems may be adapted to your facility GPP if you have an onsite sewage treatment system.

The cabinet-written generic GPP for monitoring wells may be used as part of your facility GPP.

Grease traps should be monitored and emptied when full.

Kentucky Administrative Regulation 401 KAR 5:037, the guidance, free generic GPPs, operation and maintenance guidelines and fact sheets for selected activities may be downloaded at the GPP Program

Web site: <https://eec.ky.gov/Environmental-Protection/Water/Protection/GW/GWProtect>

If you have questions about developing your GPP, contact the program coordinator at 502-564-3410.