

## Proprietary Systems

Proprietary systems are control systems available from commercial vendors designed to treat stormwater runoff and/or provide water quantity control. Typically these systems are underground and installed at inlet structures. There are many types of proprietary stormwater structural controls to provide water quality treatment and quantity control. These systems come in different shapes and sizes ranging from small systems that use a swirling vortex to a large system that has multiple chambers to separate sediment, floatables, and oil/grease from the stormwater runoff.

There are some common problems to be aware of when maintaining propriety systems. They include, but are not limited to, the following:

- Sediment and oil/grease build-up
- Clogging in the inlet and outlet structure
- Inability to remove dissolved pollutants
- Must be maintained routinely so that system does not become a potential source of pollutants

Routine inspection and maintenance should be performed on the proprietary systems to ensure that the structure is functioning properly. Typical maintenance will include removing accumulated sediment and pressure washing the system to remove blockage. It is important that the accumulated sediment and water from cleaning the proprietary system be collected and disposed of properly. This is important to keep the ground surrounding the system clean to avoid clogging.

Additional maintenance may be necessary if a spill occurs upstream of the system and drains into the practice. The contributing drainage area should be maintained to limit the amount of trash and debris that enters the practice.

Proprietary systems should be inspected after a large rainstorm. It may be necessary to make repairs to the inlets, outlets, and other structural components. Check the manufacturer's guidelines for recommended maintenance on the system. In addition, it is required that a maintenance plan is developed and implemented.

The table below shows a schedule for when different maintenance activities should be performed on proprietary systems.

**Proprietary Systems Typical Routine Maintenance Activities and Schedule**

Activity	Schedule
• Check to make sure practice is draining properly.	After a large rain storm event or as needed
• Keep contributing drainage area free of trash, chunks of sediment, and debris. • Cleanout if spill occurs and enters the system. • Repair structural components.	As needed

<b>Activity</b>	<b>Schedule</b>
<ul style="list-style-type: none"><li>• Check maintenance plan and/or manufacturer's guidelines for additional maintenance needs.</li><li>• Check system to make sure no blockage or significant sediment accumulation is occurring in the system.</li></ul>	Quarterly
<ul style="list-style-type: none"><li>• Cleanout system with vacuum or boom trucks.</li><li>• Remove sediment and oil from chambers</li></ul>	Annually