YARD HYDRANTS
A fact sheet for drillers and pump installers

A yard hydrant is a piece of plumbing hardware that attaches to buried water supply pipe outside of a well. It can be turned on and off to provide water from a private water supply system. Yard hydrants are typically used to irrigate lawns and gardens, provide water to wash cars or on farms to provide water for livestock.

When a yard hydrant is located between the well and the main water supply shutoff valve or pressure tank (between the wellhead and the residence), it is regulated by DNR and a licensed pump installer may install, repair, or evaluate it for compliance with Ch. NR 812, Wis. Adm. Code. In addition, the Department of Safety and Professional Services (DSPS) designates yard hydrants that drain to soil as not compliant with plumbing code. If a yard hydrant is installed in the supply system in a direction away from the pressure tank or building shutoff valve and toward the home plumbing system, it must be serviced or evaluated by a licensed plumber. For more information about the DSPS approach to regulating yard hydrants, see DSPS brochure.

SOME IMPORTANT FACTS ABOUT YARD HYDRANTS:

- **CANNOT BE LOCATED ON OR IN A WELL**

- **MUST MEET DSPS PLUMBING CODE SPS 382 AND 384 REQUIREMENTS** – Hydrants draining internally to a subsurface chamber are compliant, but those that drain to soil are not. The drain valve is buried so it cannot be visually inspected. Unless the manufacturer and model number is visible on the hydrant, and you have manufacturer’s information that specifies what type of drain valve is used for that specific hydrant, the compliance of the hydrant cannot be determined.

- **FOR THREADED SPOUTS** – Hydrant spouts that are threaded to accept a garden hose need an approved vacuum breaker installed. As stated in the yard hydrant DSPS guidance brochure, it is recommended that the vacuum breaker comply with American Society of Sanitary Engineers ASSE 1011 or ASSE 1052. These standards can be found stamped on the vacuum breaker.

- **FOR UNThtaed SPOUTS** – Must have a minimum two spout width air gap at the spout (s. SPS 382.41).

**PLEASE NOTE:**

If a hydrant is leaking at the spout it is likely to be leaking below ground at the drain valve as well. Underground valve leaks may cause contaminated water to be drawn into the plumbing system by the hydrant when it is turned on. The DNR recommends repair or replacement of leaking yard hydrants to eliminate this potential source of contamination of the water supply system.

This fact sheet and flow chart do not replace or supersede specific code language about yard hydrants, which is found in s. NR 812.35 Wis. Code. See disclaimer language at the bottom of the flow chart on the next page.
NR 812.35 Compliance for Yard Hydrants

A yard hydrant is encountered

Located upstream of the pressure tank/building control valve?

No

Drains to soil or a chamber?

Soil

Chamber

Is the spout threaded for a hose?

Yes

Hose connection vacuum breaker ASSE 1011 or 1052 installed?

No

Height of air gap at spout at least two spout diameters wide?

Yes

MEETS NR 812.35

Yes

Is an In line backflow device installed in water supply pipe that serves only the yard hydrant?

No

Installed inside a well?

Yes

No

Not regulated under Ch. NR 812, Wis. Adm. Code. Consult DSPS regulations and contact a licensed plumber.