



## Materials

### 92. SPS 382.36(3) and SPS 360.30 8/7/07

#### **What does the department require for the thickness of a subsurface stormwater detention system or detention basin liner?**

There are three options acceptable for a subsurface stormwater detention system or detention basin liner:

1. Clay liner
2. High Density Polyethylene Liner (HDPE)
3. Polyethylene Pond Liner (PPL)

The specifications for the liners are here, PDF file.

### 151. SPS 384.10(1) - 10/4/05

**May air admittance valves be installed to serve chemical waste systems?** No. If chemical resistant piping is installed to serve a fixture, an air admittance valve is not permitted as a vent termination.

### 152. SPS 384.10(2) - 4/1/08

**How would a health care treatment device that includes a reuse system be classified for the purposes of product or plan review requirements?** Devices or systems that incorporate hydrotherapy for health care and a water reuse system are classified as health care plumbing appliances. All health care plumbing appliances are required to be submitted for product approval as listed in Comm Table 84.10.

### 153. SPS 384.11 7/2/07

**Are all chemical dispensing systems required to be listed by an acceptable listing agency as meeting ASSE Standard 1055 or receive a written product approval from Dept. of Commerce?** No. There are currently four ways to determine if a specific chemical dispensing system can be installed in Wisconsin.

- 1) It meets ASSE Standard 1055(1)
- 2) It has received written alternate product approval from the department, or
- 3) It has received written alternate system approval from the department.

Note (1) ASSE Standard 1055 only applies to those devices classified as chemical dispensing systems having self-contained means of backflow protection.

- 4) The chemical dispensing system is located downstream of approved backflow protection.

Since there are many chemical dispensing systems that do not have a self-contained means of backflow protection, IS decided to require that type of chemical dispensing system to receive an alternate plumbing product approval in accordance with Comm. 84.11 and Comm. Table 82.41-2.

IS has issued an Alternate Plumbing System Approval regarding chemical dispensing systems that are not covered by ASSE Standard 1055.

Stipulation #1 – Chemical dispensing systems that are not in compliance with ASSE Standard 1055, may be installed when the installation includes an acceptable cross connection method or assembly in accordance with Comm. 82.41 (3) Table 82.41-1 of the Wisconsin Administrative Code.

Stipulation #2 - The installation of the cross connection method or assembly must comply with s. Comm. 82.41 (5) of the Wisconsin Administrative Code.

154. **SPS 384.30(4) - 11/18/97**

**Can a municipality dictate materials upstream of a lot line?** Yes. The requirement must be by ordinance. IS must review the ordinance.

155. **SPS 384.30(4) - 6/6/00**

**Is piping in a marina water distribution or service?** The materials downstream of an reduced pressure backflow prevention valve are water service materials. The velocity would not be required to be maintained at eight feet per second. Where the installation is downstream of a building control valve, the code requires water distribution materials.

156. **SPS 384.30(4) - 8/8/00**

**Do pipe repair kits need product approval?** No. See [PDF file](#) letter on the requirements they must meet.

157. **SPS 384.30(4)(e)3 - 10/4/05**

**May a lavatory be served by a distribution system of materials listed in SPS Table 384.30-11?** No, not unless the materials are listed in 384.30-8 or have received an alternate approval. SPS 384.20(3)(a)2 allows lavatory faucets to discharge up to three gallons per minute, and materials listed in SPS Table 384.30-11 are restricted to fixture outlets of one gpm. or less.

158. **SPS 384.30(5) - 6/9/99**

**When can someone use pipe saddles?** See [PDF file](#) document.

159. **SPS 384.30(5)(d) - 5/10/05**

**Can someone use pipe saddles other than as specified in SPS 84.30(5)(d)?** When an installation is proposed for using pipe saddles for above ground drain or vent pipe and tubing, the following conditions must be met:

- Pipe saddles shall be installed in accordance with the instructions of the saddle manufacturer.
- A saddle for drain piping shall have a radius in accordance with Comm 82.30(8)(a).
- The material of the saddle shall be compatible with the materials of the pipes that are to be connected to the saddle.
- The hole in the pipe, which is to receive the saddle, shall be drilled or cored to match the saddle outlet.
- The manufacturer of the saddle shall provide straps or clamps, which wrap around the pipe and saddle.
- Proper hangers or bedding shall be provided to maintain alignment between the opening in the **pipe** and the saddle.
- A saddle used in a pressurized piping system shall meet the applicable code requirements for temperature and pressure ratings.