



**How do I prepare for the change?** Until you receive the prompt in March, **you do not have to do anything.**

**How will I change my ID and password?** In March you will log into the EPIS application and be prompted with information on how to subscribe to the SAW system. You will be directed to the SAW site where you will create your new user ID and password for the use in EPIS. You may be asked to create a user ID if the one you have is not available for use in SAW. The requirements for user names and passwords are similar to those used in most other online services. (This would be a combination of upper case and lower case letters and numbers or special characters.)

**What happens if I don't subscribe to SAW?** Users will have 30 days to join the SAW system. At that time, you will no longer be able to access the EPIS secured access site unless you have a SAW ID and password.

If you have any questions regarding these changes, you may contact Phyllis Cooper, Information Technology Specialist, at <mailto:tayp235@lni.wa.gov> or (360) 902-5293.

### ● Installation of Pre-Manufactured Heat Mats

Placing pre-manufactured heat mats in tile grout has been added to Class A basic electrical work (i.e. work that doesn't require a permit). This rule change became effective November 25, 2005. WAC 296-46B-900(8)(D) says: "*Embedding pre-manufactured heat mats in tile grout where the mat is listed by an approved testing laboratory and comes from the manufacturer with pre-connected lead-in conductors. All listing marks and lead-in conductor labels must be left intact and visible for evaluation and inspection by the installing electrician and the electrical inspector.*" **Placing pre-manufactured heat mats is considered a Class A electrical installation.**

The installer does not have to be a certified electrician or an electrical trainee under supervision to place the pre-manufactured heat mat in tile grout (e.g. a tile setter). However, **the connections of the cable leads to the controlling device must be done by a licensed electrical contractor using a certified electrician.** An electrical permit and inspection is required for the electrical work.

The field installation of other single-wire heat cables (or any mats that require field-connection of the non-heating leads) is an electrical installation and must be done by an electrician under a permit and inspection prior to covering.

### ● Sealing Locknuts and Conduit Fittings

NEC 312.2(A) requires enclosures installed in wet locations be weatherproof. Raceways or cables entering these enclosures **above the level of uninsulated live parts** must use fittings listed for wet locations. Watertight connections are necessary (and required) in areas when gravity could lead water directly into live parts. Fittings supplied with a weatherproof enclosure by the manufacturer are approved for the intended use. Field-installed weatherproof hubs (i.e. Myers hubs) are expensive and many installers opt for sealing locknuts to maintain the weatherproof integrity of the enclosure.

Sealing locknuts are intended for use with **threaded rigid metal conduit and intermediate metal conduit only.** On a conduit entering perpendicular to the enclosure surface they are to be installed with one sealing locknut on the outside or the inside with an ordinary locknut or sealing locknut on the opposite side of the enclosure to maintain the weatherproof integrity. **Rigid nonmetallic conduit (PVC) terminal adapters are not suitable for use with sealing locknuts.** PVC entries into weatherproof enclosures above the level of uninsulated live parts must be made with fittings listed for the purpose.

### ● Electrical Question of the Month

**This Month's Question:** The minimum ampacity for circuit conductors supplying a varying duty pump motor with a 30-minute duty rating shall be sized based on what percentage of the motor nameplate current? **A) 150%, B) 125%, C) 115%, D) 100%.**

**Last Month's Question:** Where electrical equipment is installed to obtain a series combination rating, the identification plate must be substantially what color? **A) Green, B) Orange, C) Yellow, D) Red.** The answer is: **C)** [WAC 296-46B 110(4)]