

The Idaho Drinking Water Newsletter

Department of Environmental Quality Idaho Drinking Water Program

www.deq.idaho.gov/water/prog_issues.cfm

November 2010, Number 58

Idaho drinking water rules require use of certified ANSI/NSF Standards 60 & 61 lubricants for pumps and system components

Non-certified lubricants may contain harmful contaminants

Note: This article discusses the use of certified lubricants for drinking water systems. Through the American National Standards Institute (ANSI), the National Sanitation Foundation (NSF) has established Standard 60 and Standard 61, which are the recognized health effects standards for water system lubricants. Standards 60 and 61 encompass many different materials, components, and products, but for the purpose of this article the discussion will focus on lubricants.

Whenever there is a possibility of contact between lubricants used for system components and drinking water, it is important to use ANSI/NSF Standard 60 and Standard 61 certified lubricants. Certified lubricants are safe, synthetic biodegradable lubricants designed for machinery in which “incidental” contact may occur between drinking water or food.

Unlike ANSI/NSF certified lubricants, certain industrial lubricants contain PCBs (polychlorinated biphenyls), which if accidentally released into water wells, become groundwater contaminants similar to fuel oil and other petroleum products.

NSF Certified products *versus* NSF Registered products

Right up front, it is important to note that there are NSF *certified* products and NSF *registered* products. NSF **certified** products have undergone rigorous testing to certify that components and products that come in contact with drinking water are nontoxic and safe to use.

These certified lubricants are found in ANSI/NSF Standards 60 and 61, and these are the lubricants that must be used in accordance with Idaho’s Drinking Water Rules for Public Drinking Water Systems (IDAPA 58.01.08). NSF certified products carry the *round* NSF mark.



NSF *registered* lubricants or products are those that are safe to use in a drinking water system environment, e.g., in or around a well house.

Since the Idaho Rules for Public Drinking Water Systems specify the use of Standards 60 and 61, however, registered lubricants must not come in contact with drinking water. All drinking water contact lubricants must be certified.

Occasionally, DEQ receives questions regarding the use of “registered” food-grade lubricants in drinking water systems.



For example, “can a registered H-1 food-grade lubricant be used to oil a vertical turbine pump?” *The answer is no*, because the product is only registered and not certified. NSF registered products carry the NSF *registration* mark.

The NSF registered products are listed in the on-line “White Book” (see www.nsf.org/USDA/whitebook/whitebook.pdf). A printable PDF version is also available.

Standards 60 and 61

ANSI/NSF Standard 60 applies to lubricants used in *drinking water well applications*. To view a Standard 60 certified list of water well lubricant products:

1. Go to NSF’s web site at www.nsf.org,
2. Select “Search Listings” at the top right,
3. Under “Product Listings,” select “Drinking Water Treatment Chemicals.”
4. Next under “NSF Product and Services Listings,” go to “Product Function” and using the drop-down menu, select “Well Pump Lubricant.”

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ANSI/NSF Standards, from page 1

ANSI/NSF Standard 61 is the standard for all devices, components, and materials used by drinking water systems. Standard 61 also applies to pipe thread lubricating compounds and lubricants used in mechanical devices such as valves and water meters. (See “Standard 61” sidebar below for more detail.)

To see a Standard 61 certified list of lubricant products:

1. Go to NSF’s web site at www.nsf.org,
2. Select “Search Listings” at the top right,
3. Under “Product Listings,” select “Drinking Water System Components.”

■ Standard 61 applies to most drinking water components

ANSI/NSF Standard 61 requires that all points-of-contact within a potable water delivery system meet Standard 61 certification standards including pipes, pumps, hoses, fittings, cements, coatings, gaskets, adhesives, lubricants, carbon, sand, zeolite, ion exchange media, water meters, in-line valves, filters, process equipment, mechanical plumbing devices, and endpoint devices like faucets and drinking fountains. (Point-of-use and point-of-entry drinking water treatment units are not covered under the scope of Standard 61.)

4. Next under “NSF Product and Services Listings,” go to “Product Type,” and using the drop-down menu, select “Lubricants.”

Questions? If, after checking the NSF web sites, you have questions about whether certain products are certified for use, contact your local DEQ regional office. ■

■ ANSI: Coordinator in standards development process

The American National Standards Institute (ANSI), a nonprofit organization, does not write or maintain standards. ANSI ensures that the standards have been developed according to a consensus process, which involves input from the National Sanitation Foundation (NSF), industry, various associations, and other stake holders. ANSI also accredits (i.e., grants) credentials to organizations to test products.

NSF is not the only lab that is ANSI accredited to test standards – others include UL (Underwriters Laboratories), WQA (Water Quality Association), International Association of Plumbing and Mechanical Officials (IAPMO), CSA (Canadian Standards Association) International, Truesdail Laboratories, and the Federal Food and Drug Administration (FDA).

Looking for a licensed contract operator?

DEQ site lists almost 70 available operators

- **DEQ maintains a list of individual licensed contract operators** who have requested to be listed as available. Go to: www.deq.idaho.gov/Applications/WWDWOper/WWDWSearchContractOperatorInfo.cfm, click on “License Type,” then select the license category you are interested in and hit “Continue.” It is not necessary to select city or state.
- **Want to be added to the list as a licensed contractor?** Operators who meet the minimum contract operator requirements and wish to be added to the DEQ list of available contractors, should go to “WW/DW Contract Operator Information” at www.deq.idaho.gov/Applications/WWDWOper/WWDWOperatorAcceptDisclaimer.cfm.

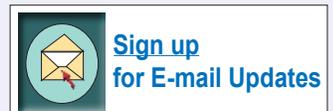
Please note: DEQ does not endorse contract operators. ■

Idaho Drinking Water Newsletter to change to electronic format

To adopt a “green” approach and to cut the cost of printing and mailing the quarterly *Idaho Drinking Water Newsletter*, DEQ is switching from postal delivery of a printed newsletter solely to electronic delivery in early 2011.

Issue #59 due out in February 2011, will be the last newsletter to be mailed. Issue #60 will be the first electronic issue.

To sign up for the “e-Newsletter,” which will have the same format and look as the current newsletter, go to www.deq.idaho.gov and click on the box entitled “Sign Up for E-mail Updates.” Once signed in, drop down to the “Public Water and Wastewater Systems” section and check the “Drinking Water Newsletters” entry. *You will be notified by e-mail when each quarterly newsletter is posted.* ■



DEQ is offering Incident Command System (ICS) Training in Boise December 8

A no-charge, one-day water/wastewater workshop with CEUs available

A free one-day, Incident Command System (ICS) training workshop sponsored by DEQ will be held in Boise, December 8, 2010. The workshop is designed to help water and wastewater utilities to be better prepared to respond to emergencies and security threats. See workshop flyer at www.horsleywitten.com/ICStraining/.

ICS, or the Incident Command System is a standardized, on-the-scene, all hazard incident management concept. The workshop is conducted in combination with the planning and response concepts of the National Incident Management System (NIMS).

NIMS is a nationwide model that enables all government and non-governmental organizations to work together during domestic incidents.

The NIMS concept includes a unified approach to incident management; standard command and management structures; and emphasis on preparedness, mutual aid, and resource management.

Who should attend the ICS Training? Water and wastewater utilities, water sector trainers, state drinking water agencies, and state wastewater permitting agencies.

Workshop location and registration. The workshop will be held in Boise on December 8 at the Idaho Department of Environmental Quality (DEQ), 1410 North Hilton, in *Conference Rooms A and B* with registration beginning at 8:00 a.m.

To register now for the workshop log on to www.deq.idaho.gov/water/assist_business/workshops/incident_command_training.cfm. For a map and directions to DEQ, go to www.deq.idaho.gov/about/divisions/state_office_directions.cfm.

Cost. There is *no cost to attend* this training.

CEUs (Continuing Education Units). The workshop offers .65 CEUs. ■

Monitoring reminder to public drinking water systems



REMEMBER

2010 is the last year in the 3 and 9 year monitoring periods



To ensure that your drinking water monitoring is completed on time, check your

“Monitoring Schedule” report on the Public Water System Switchboard at www.deq.idaho.gov/Applications/SDWISReports/pws_index.cfm.

Tips for submitting lab samples: a reminder to all operators

To ensure that you receive credit for every sample submitted to your laboratory, it is important that you give the lab the following information:

- Contact person's full name (legible),
- Contact person's current telephone number,
- Your public water system number (the seven-digit PWS#),
- Sample source or location (e.g., Well #1, or street address, if for a residence),
- Collection date and time,
- List all tests you want the lab to complete (e.g., total coliform, nitrate, etc.).

Providing your lab with complete information and documentation is just as important as being careful during the sample collection process. Take the time to double-check that all required sample information is completed when you leave your samples at the lab.

If your lab does not have all of the required data, it may not be able to complete the testing correctly and you may not receive credit for your samples. Providing complete sample information will protect you by reducing the possibility of having to re-collect water samples, pay additional analytical costs, or undergo enforcement for failure to monitor.

To check your monitoring schedule, go to DEQ's Public Switchboard at www.deq.idaho.gov/Applications/SDWISReports/pws_index.cfm. ■

Training Schedule

Class/Sponsor	Location	Date
Meter Reading (IRWA) – W	Post Falls	November 2, 2010
Fun With Numbers (BE) – W/WW	Pocatello	November 3, 2010
Water Treatment Optimization (BE) – W	Idaho Falls	November 4, 2010
VSWS Licensure Review (BE) – W	Nampa	November 16, 2010
CUPPS Training (IRWA) – W/WW	Jerome	November 16, 2010
CUPPS Training (IRWA) – W/WW	Garden City	November 18, 2010
Crew Leader (BE) – W/WW (FULL)	Boise	November 30, 2010
Water I & II Licensure Review (BE) –WW (FULL)	Boise	December 1-2, 2010
CUPPS Training (IRWA) – W/WW	Soda Springs	December 7, 2010
ICS (Incident Command System) Training* – W/WW	Boise	December 8, 2010
CUPPS Training (IRWA) – W/WW	Idaho Falls	December 9, 2010
Wastewater I & II Licensure Review (BE) – WW	Jerome	December 14-15, 2010

*See ICS Training article, page 3, of this issue for details.

(BE) = Brown Environmental, Inc.

1-800-543-4358 or for the Boise area, 208-465-5725 • Web site: www.idahooperatortraining.com/

(IRWA) = Idaho Rural Water Association

1-800-962-3257 or 208-343-7001 or 208-582-0592 • Fax: 1-208-343-1866

E-mail: irwa@idahoruralwater.com • Web site: www.idahoruralwater.com/training.aspx

Important Notice to Operators!

Beginning January 2011, all drinking water training workshops provided by the DEQ's training contractor will include a registration fee.

In the past, drinking water training courses have been free for drinking water operators. Due to reduced federal operator training funding, however, fees for drinking water training classes have been initiated to off-set the loss of funding.

Additional information to follow in the *February 2011 Idaho Drinking Water Newsletter*.

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