

A special "Thank You" to S&B staff involved with tremendous POWTS workload

by Randy Baldwin, Director, S&B Bureau of Integrated Services

With the implementation of the revised Comm 83, Wisconsin's POWTS administrative code, this spring was very hectic for Safety and Buildings Division POWTS plan reviewers, product reviewers, and plan entry staff.

I want to thank these people for putting the customer first by volunteering to work overtime, spending numerous hours away from families and other activities. **Joined with the 981 different designers who submitted POWTS plans during four months this spring, there was an amazing team effort with excellent results.**

Almost 5,200 POWTS plans were reviewed during March-June. (March - 1,041, April - 1,251, May - 1,416, June - 1,483). Thanks to reviewers

continued on page 3

Oak Creek is plumbing Agent Municipality

As of July 1, 2000, Oak Creek in Milwaukee County is a plumbing plan review Agent Municipality.

The Safety and Buildings Division has designated to Oak Creek the authority to review and approve plumbing plans and specifications for those plumbing installations to be located within the municipality's boundary limits which require approval under Comm 82.20(1)(b).

Oak Creek's plumbing plan review and inspections will be done by Arthur Biesek and John DeVita. They can be reached at the Department of Public Works, Inspection Division, 8640 South Howell Avenue, Oak Creek, 53154, 414-768-6547.

Two Rivers relinquishes authority

As of September 1, 2000, the City of Two Rivers has relinquished its authority to review plumbing plans for projects within its boundaries.

A municipality must have at least two full time plumbing inspectors to be eligible and Two Rivers now employs only one.

For more information on designation as a plumbing agent municipality, contact Jim Miller, a Safety and Buildings Division Section Chief, jhmiller@commerce.state.wi.us, 608-266-8072.

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Wisconsin Plumbing Codes Report

Safety and Buildings Division, Department of Commerce

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Safety and Buildings Offices

Green Bay Office
2331 San Luis Pl #150
Green Bay WI 54304
920-492-5601
Fax 920-492-5604
greenbaysch@commerce
.state.wi.us

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 608-267-9566
madisonsch@commerce
.state.wi.us

Hayward Office
10541N Ranch Rd.
Hayward WI 54843
715-634-4870
Fax 715-634-5150
haywardsch@commerce
.state.wi.us

Shawano Office
1340 E Green Bay St #300
Shawano WI 54166
715-524-3626
Fax 715-524-3633
shawanosch@commerce
.state.wi.us

La Crosse Office
4003 North Kinney
Coulee Road
LaCrosse WI 54603
608-785-9334
Fax 608-785-9330
lacrossesch@commerce
.state.wi.us

Waukesha Office
401 Pilot Ct # C
Waukesha WI 53188
262-548-8600
Fax 262-548-8614
waukeshasch@commerce
.state.wi.us

Sample S&B email address: Mike Corry =
mccorry@commerce.state.wi.us

Plan Review Scheduling

For plan review scheduling for Plumbing and Buildings, call the S&B office numbers listed above, or contact the email address shown. Fax scheduling is possible, 877-840-9172. Information about the project will be needed to schedule the plan review. Any of the offices can schedule the first appropriate plan review available statewide.

Plan review for Private Onsite Wastewater Treatment Systems is provided on a first-come, first-served basis. Contact one of the offices for information.

For scheduling info, also see <http://www.commerce.state.wi.us/SB/SB-DailyDoc.html>.

Direct comments, address, suggestions for articles, etc., to Todd Taylor. Fax 608-264-8795. Telephone 608-267-3606.
ttaylor@commerce.state.wi.us/
Madison mailing address above.

Plumbing Consultants

Tom BraunStevens Point715-345-5335
Don HoughHayward715-634-4804
Tim JoyceMadison608-825-4724
Don OremusPelican Lake715-487-6123
Jim WehingerFriendship608-339-7430
Jim ZickertEldorado920-872-2656
Tom Bembnister, Superv.715-726-4520

Plumbing Plan Reviewers

Ryan Boebel.....Madison608-261-6535
Herman Delfosse.....La Crosse608-789-5535
Tom Devereaux.....Hayward715-634-3026
Wes GrubeGreen Bay920-492-5613
Dan KraftMadison608-266-8075
Ken PertzbornMadison608-267-2242
Robert SamuelsWaukesha262-548-8634
Curt WendorffShawano715-526-9056

Plumbing Products Reviewers

Mike Beckwith.....Madison608-266-6742
Dan JensenMadison608-267-5265
Glen SchlueterMadison608-267-1401

POWTS Plan Reviewers

Tom Devereaux.....Hayward715-634-3026
Wes GrubeGreen Bay920-492-5613
Julia LewisWaukesha262-548-8638
Robert KanterMadison608-261-7735
Pete Pagel.....Madison608-266-2889
Jim QuinlanMadison608-266-3937
Pat ShandorfHayward715-634-7810
Jerry SwimLa Crosse608-785-9348
Keith WilkinsonShawano715-524-3630

POWTS Wastewater Specialists

Ross FugillShawano715-524-3629
Matthew JanzenStevens Point715-345-5336
Leroy JanskyChippewa Falls715-726-2544
Carl LippertHayward715-634-3484
Karl Schultz.....Oshkosh920-424-3311
Dennis SorensonLa Crosse608-785-9336
Duane SteinerWest Baraboo608-355-3159
Allen Wendorf.....Madison608-873-5476
Harold Stanlick, Superv.262-521-5065

Public Swimming Pool Reviewer

Dave RussellMadison608-267-3605

The *WPCR* is a monthly publication delivered to about 9,700 people as part of their certification, license, or registration with the Wisconsin Department of Commerce, Safety and Buildings Division. Subscriptions are also available. SBD 8340P

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POWTS program hires Janzen

Matthew Janzen will work out of the Stevens Point office as the Safety and Buildings Division area Wastewater Specialist. He replaces Heidi Ferguson, who is no longer with S&B.

A native of Wisconsin, Janzen has a BS in soil science from UW-Stevens Point. He has experience working for the state Department of Natural Resources and for private firms.

The counties for which Janzen will provide service are Marathon, Oneida, Lincoln, Wood, Portage, Waushara, Adams, and Juneau.

Telephone: 715-345-5336. Email: mjanzen@commerce.state.wi.us.

Kasper is chosen as Section Chief

Tom Kasper has been selected as an Integrated Services Bureau Section Chief in Madison, replacing Robin Zentner, who moved to another state agency. Kasper has been S&B's training officer.

Kasper's duties will include supervision of a team of Safety and Buildings Division plan reviewers, with additional oversight responsibilities in the Erosion Control, Multifamily Dwellings, Certification/Training, and One- and Two-Family Dwellings Programs.

Telephone: 608-267-7586. Email: tkasper@commerce.state.wi.us.

Braun returns as Plumbing Consultant

Tom Braun, a former Safety and Buildings Division Plumbing Plan Reviewer, has returned to S&B employment, this time as a Plumbing Consultant based in Stevens Point.

Braun replaces the retired Dick Reetz as the consultant for Taylor, Clark, Marathon, Wood, Portage, Waushara, Marquette, and Green Lake Counties.

Telephone: 715-345-5335. Email: tbraun@commerce.state.wi.us.

Comm 83 teamwork

continued from page one

Keith Wilkinson, Jerry Swim, Pat Shandorf, Jim Quinlan, Pete Pagel, Julia Lewis-Osborne, Len Kanter, Wes Grube, and Tom Deveraux.

Also, thanks to the plan entry staff who processed approximately 15,000 total plan review submittals of all varieties during those four months: Vicky Brennan, Marcia Conley, Gail Connor, Jeannie Dixon, Ann Everett, Kate Fitzgerald, Kathleen Gross, Louise Kaiser, Debbie Molnar, Lynelle Moseley, Karla Parker, Ann Peterson, Jack Reis, Rosanne Schutte, Don Siegenthaler, and Cheryl Wojan.

Product reviewers Mike Beckwith, Dan Jensen, and Glen Schlueter and product entry person Margaret Slusser performed about 1,100 reviews to upgrade product product approvals to meet new Comm 83 criteria.

Forms changes and several mailings to POWTS frequent submitters were coordinated by Gloria Kocovsky, Todd Taylor, and Audrey Fries. Many S&B staff from various program functions assisted in preparing mailing packets of forms and component manuals.

Training of POWTS inspectors and preparation of the associated material was done by Jerry Swim, Dennis Sorenson, Leroy Jansky, and Roman Kaminski.

A division cross-bureau management team of Roman Kaminski, Brad Johnson, and Harold Stanlick did an excellent job of coordinating the initiatives needed for transition to the new code.

Bureau of Integrated Services Section Chiefs Clyde Bryant, Mary Jacobson, Brad Johnson, Jim Miller, Tony Rubio, and John Spalding developed and managed the implementation of the many details necessary to accomplish the above-mentioned work and to prepare staff for the changes.

A big thanks goes out to Bureau of Field Operations personnel who contributed many hours during the final two weeks of June to review form changes and handle the last minute rush of plan submissions. Thanks to POWTS Consultants Karl Schultz, Al Wendorf, Duane Steiner, Dennis Sorenson, Leroy Jansky, Ross Fugill and Carl Lippert.

Zickert's Plumbing Consultant counties changed

As of August 14, Plumbing Consultant Jim Zickert changes his geographic area of responsibility.

He will now provide service to Marinette, Oconto, Door, Kewaunee, Brown, Outagamie, Winnebago, Calumet, Manitowoc, Sheboygan, and Fond du Lac Counties.

Telephone: 920-872-2656. Email: jzickert@commerce.state.wi.us

The contact for Zickert's previous area will be Plumbing Consultant Supervisor Tom Bembnister, tbembnister@commerce.state.wi.us, 715-726-4520.

Those counties are Washington, Ozaukee, Waukesha, Milwaukee, Walworth, Racine, and Kenosha.

Burks resigns

The S&B Director of the Bureau of Field Operations, Ben Burks, has resigned to take a position in private industry.

S&B Deputy Administrator Ron Buchholz will serve as interim director. Telephone: 608-266-1817
Email: rbuchholz@commerce.state.wi.us.

The bureau director job will be filled through the usual state civil service procedures.

State administrative codes and the code update service may be purchased by contacting state Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases. ❖ ❖ ❖

Plumbing plan review fees increase, number of fixtures goes to 16

Plumbing plan review fees will be increased approximately 15-25 percent on September 1, 2000. The last previous increases were in 1992.

There also will be following changes to plan review requirements.

The threshold for plumbing fixtures in a design requiring plan review is being raised to 16. That means that if you have less than 16 fixtures in a design, there will be no state-level plan review required. (A municipality may require a lower number of fixtures for permitting by ordinance.)

Health care and related facilities, mobile home parks and campgrounds will still require plan review regardless of the number of fixtures.

A minimum of five sets of plans will be stamped and approved without additional fees. Prior to this code revision the maximum number without the additional fee in general plumbing was three and POWTS was four sets. *Comm 2.02(4)*

Additional sets of plans will be stamped for an additional fee of \$20 per plan. *T Comm 2.02 (4)*

Extension of a plan approval will be based on a \$100 fee. *Comm 2.02 (4m)*

Petition for variance fees for general plumbing, POWTS and plumbing products is remaining at \$225. *Comm 2.02 (5)*

For multiple storm sewer, sanitary sewer and water service connections to one building the code now will allow the fees to be calculated based on the remodelling fee table. *Table 2.64-1*

Alternate plumbing system fees will be \$400 per system. *Table 2.64-1*

Experimental plumbing system fees will be \$500 per system. *Table 2.64-1*

Designs for private interceptor main sewers of less than 4" in diameter (gravity sizing) will not be required to submit plan review after September 1. *Table 2.64-1*

Controlled flow roof drainage plans will not require approval unless they meet requirements for storm design submittal (16 or more fixtures).

Event Calendar

Contact the listed Code Consultant for information on the meeting agendas, locations, etc. If you have questions concerning technicalities of the codes which are the subjects of the meetings, contact consultants and reviewers in the appropriate program area.

August 16, 2000 - Wednesday - **Comm 8 Public Hearing — Mines, Pits & Quarries** - 11 a.m. - Eau Claire State Office Building, 718 W Clairemont Ave, Rm. 105, Eau Claire, Ron Acker, 608-267-7907, racker@commerce.state.wi.us

August 17, 2000 - Thursday - **Comm 8 Public Hearing — Mines, Pits & Quarries**, - 11 a.m. - Green Bay State Office Building, 200 N Jefferson St, Rm. 152A, Green Bay, Ron Acker, 608-267-7907, racker@commerce.state.wi.us

August 17, 2000 - Thursday - **Commercial Building Code Council** - 9 a.m. to 3 p.m. - UW-Madison Agricultural Research Station, 8502 Mineral Point Road, Verona, - Sam Rockweiler, 608-266-0797, srockweiler@commerce.state.wi.us

S&B WebSite <http://www.commerce.state.wi.us/SB/SB-HomePage.html>

S&B Bureau of Integrated Services Management Contacts

Bureau Director: Randy Baldwin, 608-267-9152
Green Bay office: Brad Johnson, 920-492-5605
Hayward Office: John Spalding, 608-789-4693
LaCrosse Office: John Spalding, 608-789-4693
Madison Office:
Clyde Bryant 608-266-1835
Mary Jacobson 608-266-8456
Tom Kasper 608-267-7586
Jim Miller 608-266-8072
Credentialing Unit Supervisor, Terry Gudmandsen: 608-261-6554
Manufactured Home Unit Super., Malini Ganeshapillai, 608-266-5333
Shawano Office: Brad Johnson, 715-524-6853
Waukesha Office: Tony Rubio, 262-548-8610

August 18, 2000 - Friday - **Comm 8 Public Hearing — Mines, Pits & Quarries** - 10 a.m. - Thompson Bldg, Rm. 3C, 201 W Washington Ave., Madison, Ron Acker, 608-267-7907, racker@commerce.state.wi.us

August 21, 2000 - Thursday- **Plumbing Advisory Code Council** - 9 a.m. to 3 p.m. - Thompson Bldg., Rm. 3B, 201 W Washington Ave., Madison - Jean MacCubbin, 608-266-0955, jmaccubbin@commerce.state.wi.us

September 14, 2000 - Thursday - **Commercial Building Code Council** - 9 a.m. to 3 p.m. - UW-Madison Agricultural Research Station, 8502 Mineral Point Road, Verona, - Sam Rockweiler, 608-266-0797, srockweiler@commerce.state.wi.us

Hough becomes Plumbing Consultant

Don Hough has joined the Safety and Buildings Division staff as a Plumbing Consultant for northwest Wisconsin.

Hough, a plumbing contractor for 22 years in Wisconsin and Illinois, will be stationed in the Hayward S&B office.

He will work in the following counties: Douglas, Bayfield, Burnett, Washburn, Sawyer, Polk, Barron, Rusk, St. Croix, Dunn, Chippewa, and Eau Claire.

Telephone: 715-634-4804. Email: jhough@commerce.state.wi.us.

Questions about your continuing education credits?

Check the mailing address back page for a printed line giving your status for inspection-related S&B certifications, licenses, and registrations. Or, call the Credentialing Unit, 608-261-8500. Or, check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>, choose "Credentials."

Municipalities choose options for UDC enforcement

by Laurence J. Swaziek, S&B UDC Program Manager, 608-267-7701, lswaziek@commerce.state.wi.us,

As mentioned in a December, 1999 *WBCR* article, the 1999 state budget bill included important changes to the enabling statutes for the Wisconsin Uniform Dwelling Code (UDC), the statewide building code for one- and two-family dwellings built since June 1, 1980. (You may review the article on S&B's WebSite, www.commerce.state.wi.us/SB/SB-HomePage.html, choose "Publications," then choose "Publications Archives.")

Beginning May 1, 2000 the statute change

required all municipalities with a population of 2500 or less to formally decide if they wish to enforce the UDC. The municipalities have five options:

1. Adopt an ordinance to begin local enforcement of the UDC;
2. Delegate enforcement to their county, if the county is willing to accept it;
3. Shift enforcement to their county if there is already a county-wide UDC enforcement program (currently Adams, Chippewa and Eau Claire counties);

continued on the next page

Employment Opportunities

Engineering Consultant Buildings Systems- Senior - Madison

Department of Commerce Safety and Buildings Division **Salary:** Start at \$43,910 per year plus excellent benefits. **Deadline:** First review, week of August 21, 2000. **Duties:** Examine building construction, structural, and HVAC plans for compliance with codes; examine erosion and sediment control plans for compliance; communicate with appropriate parties regarding outcome of reviews; analyze petitions for variance. **Skills, knowledge and abilities:** Well-qualified candidates will have a four year engineering degree, PE, EIT, or similar credential; experience in building plan design; erosion control experience and/or education or credentials. **How to apply:** Dale Bartz, Department of Commerce, 201 West Washington Ave., P.O. Box 7970, Madison, WI 53707, 608-266-0366, dbartz@commerce.state.wi.us.

Private Sewage Plan Reviewer 2 - Waukesha

Department of Commerce Safety and Buildings Division **Salary:** Start at \$36,650, plus excellent benefits. **Deadline:** First review, week of August 21, 2000. **Duties:** Examine Private Onsite Wastewater System designs, plans, specs, and calculations for compliance with related codes; communicate with appropriate parties regarding outcome of plan reviews; analyze petitions for variance; prepare and present training and create exams. **Skills, knowledge and abilities:** Certification as POWTS inspector; experience installing, inspecting designing, or plan reviewing of POWTS systems. **How to apply:** Dale Bartz, Department of Commerce, 201 West Washington Ave., P.O. Box 7970, Madison, WI 53707, 608-266-0366, dbartz@commerce.state.wi.us.

Department of Commerce and other state job listings:
www.commerce.state.wi.us/COM/Com-Employment.html

Safety and Buildings-related codes are on the Internet

<http://www.legis.state.wi.us/rsb/code/comm>

Not all codes are available electronically. Paper copies may be purchased from Document Sales, 800-362-7253, for credit card purchases, or 608-266-3358.

4. Take no action - which allows the Safety and Buildings Division to oversee enforcement of the UDC for new homes in the municipality; or
5. Adopt a resolution declining any UDC enforcement.

In February of this year, S&B mailed a survey to 1380 municipalities with a population of 2500 or less, asking them to tell us which of the five choices they elected. The surveys were sent to municipalities which, according to S&B records, had not previously voluntarily adopted the UDC by ordinance.

S&B also sent a mailing to county officials to inform them of what was taking place. Because a couple of the options available to municipalities involved working with the counties, we felt S&B should communicate with the counties.

The municipalities were required to respond to S&B by July 1, 2000. As of July 10, 2000, 992 municipalities responded. 123 chose option one, 18 chose option two, one chose option three, 93 chose option four, and 757 chose option five.

By the time you read this article you should be able to access the S&B WebSite to view the list of all municipalities and find out what option each municipality selected. You can access that data from the S&B Home Page address mentioned above left.

Note that only 992 of 1380 expected responses were received in the S&B office by July 10. Our records will be updated periodically, as S&B receives the remaining responses.

If S&B does not receive a response from a municipality, we will assume that municipality has chosen the option of having us organize enforcement of the UDC in that municipality (number four).

If enforcement is neither chosen nor declined, S&B will have authority to enforce the UDC in that municipality. S&B plans to either directly contract enforcement with state-certified independent inspectors, or have the home owners/contractors deal privately with state-certified independent inspectors. Inspection activity for either approach would likely be effective around the beginning of 2001.

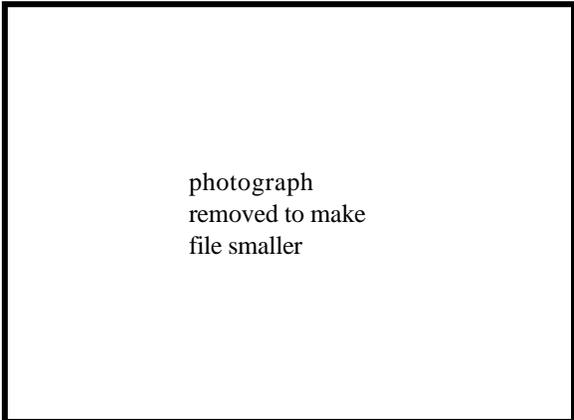
If the state contract approach is used by S&B, there would be a bidding process, beginning in the next several months. If the private arrangement approach is used, there would be a credentialing process set up, also beginning in the next several months.

I think there will be an increased demand for building inspectors by municipalities and by the state through S&B's contracting and credentialing program for inspector services. Because of the travel distances in rural areas, it seems to me many of these newly-hired inspectors will need to be certified in all four UDC categories - construction, HVAC, electrical, and plumbing. There are possible conflict of interest limitations for certified inspectors who also design or build dwellings.

UDC inspector certification is by examination. Anyone interested in certifications can contact S&B's Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us for information, or to register for exams.

S&B is working with the state's vocational-technical college system and the University of Wisconsin to offer training for new inspectors and for building contractors. Contact your local vocational-technical college or S&B's Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us, to get current information.

S&B has a list of veteran inspectors and building inspection departments that are willing to mentor new inspectors by allowing them to observe plan review and inspection activities. For further information, please contact Tom Kasper, 608-267-7586, tkasper@commerce .state.wi.us.



Formula for Sizing a Grease Interceptor When a Wok is Involved

by Ryan Boebel, S&B Plumbing Plan Reviewer, 608-261-6535, rboebel@commerce.state.wi.us

Lately, the question of, “How do I determine the gallons per minute flow rate of a wok?,” has come up frequently. Below is an equation that the Safety and Buildings Division obtained from a manufacturer of grease interceptors. This can be used as a general formula to find the minimum gallons per minute being discharged from the wok. After you have calculated the gpm flow rate, you are able to reference the manufacturers’ recommendations and choose the proper size interceptor. Please keep this equation for future reference.

$$\frac{\text{Diameter} \times \text{Diameter} \times .7854 \times \text{Depth} \times .65 \times .75}{231}$$



Site Preparation for Mounds and At-Grades

by Duane Steiner, S&B Wastewater Specialist, 608-355-3159, dsteiner@commerce.state.wi.us

One of the most important parts of the installation of either a mound or an at-grade POWTS is to have the site properly prepared, with soil moisture that will not result in smearing or compaction of the plowed surface. A number of counties do not observe plowing due to insufficient staff and time. Because a site’s condition is one of the most critical aspects of installing these two systems, it is imperative that the requirements of mound and at-grade component manuals be followed, specifically removal of excess vegetation and attention to soil moisture.

Excess vegetation should be cut and removed from the area of the mound. Small trees should be cut to grade surface, leaving the stumps in place.

Construction should not commence if the soil is too wet. The soil is too wet for construction if at any level to a depth of 8 inches, a soil wire can be formed by rolling the soil between your hands.

The results of not removing excess vegetation can be a barrier to water movement due to a mat of the vegetation, causing surfacing of effluent. Plowing when the site is too wet will also create a barrier to

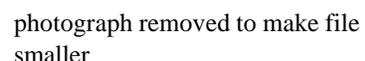
infiltration of the effluent caused by soil smearing.

Surfacing effluent is a health hazard and results in inspectors’ orders to correct the situation. You also end up with dissatisfied customers, state and county staff working to correct a faulty situation - in other words, nobody is happy.

The recent heavy rains made it difficult for contractors to install systems. Such delays make it difficult to complete work and keep customers happy. However, if the job is rushed and site preparation is not proper, a customer will be far more unhappy with a problem system than with the time lost to wet weather.

If you have concerns about site conditions for the installation of a surface system, please contact your local inspector or wastewater specialist before proceeding. It may be worth your while.

The S&B Wastewater Specialists are listed on page two of this *WPCR*.



September 1 is an important date in terms of fee changes and submittals for products review:

- On September 1, 2000 a code revision package will go into effect changing some of the fees charged for Safety and Buildings Division services and relating to plan review submittals for plumbing plans and products. New application forms will be available from S&B offices or on the S&B WebSite Home Page, www.commerce.state.wi.us/SB/SB-HomePage.html. Choose "Forms."

The code changes were noted in the June 2000 *WBCR* and were thoroughly described in the December 1999 *WBCR*. Those editions are available on the S&B Home Page, choose "Publications," then choose "Publications Archives."

The draft code change package is available for now via a link off the Home Page, choose "Codes Changes," chose "Comm 2, 5." When the code changes are officially published and printed, they can be accessed from the Home Page via "Codes."

Codes may be purchased from Document Sales, 608-266-3358, or 800-362-7253, for credit card purchases.

See page four for more information on the fee changes specific to plumbing.

- Changes to the review requirements for water softeners and cross connection control devices/ assemblies will be effective September 1, 2000.

After September 1 Safety and Buildings Division staff will not be individually reviewing cross connection control devices and assemblies that are "listed" with a national products review organization. There will still be standards that devices and assemblies must meet, **in addition** to being listed by the nation recognized organization. If a device or assembly is not listed by one of the acceptable organizations, it will be required to receive approval under Comm 84. For more information on the cross connection control device or assembly program at S&B contact Mike Beckwith, 608-266-6742, mbeckwith@commerce.state.wi.us.

Water softeners will not be required to receive individual product approval by S&B for their softening ability, if they are listed by a national listing agency that assures they comply with NSF Standard 44. Water softeners may still apply for approval by S&B, if the manufacturer prefers.

For more information on the water treatment device approval program at S&B, contact Glen Schlueter, 608-267-1401, gschlueter@commerce.state.wi.us.

Employment Opportunity Columbia County On-site Waste Specialist

Columbia County is accepting applications for a full-time On-site Waste Specialist in the Planning and Zoning Department. The purpose of this position is to perform a variety of on-site inspections relative to private sewage disposal systems and related soil evaluations. Requirements: Bachelor's degree in Environmental Science or related field; or minimum of four years of experience in the field performing on-site waste disposal system inspections and soil evaluations; Soil Tester certification, or ability to obtain within six months from date of employment; and POWTS Inspector license, or ability to obtain within six months from date of employment. Salary range in the low \$30k's. Excellent benefits. Please submit resume to: Columbia County, Human Resources Department, PO Box 63, Portage, WI 53901. Application deadline: Open until filled. 608-742-9667.

Plumbing Continuing Education Classes 2000 - 2001

Beginning December 6, 2000 in Madison, and ending February 1, 2001 in Fond du Lac, the Safety and Buildings Division will offer continuing education classes for most types of plumbing licenses, registrations, and certifications.

There will be three separate three-hour classes in the morning and three in the afternoon, from 8:30 a.m. until 11:30 a.m. and from 12:30 p.m. to 3:30 p.m. On page 11 of this *WPCR* is a registration form that can be copied or torn out, filled in, and mailed to the S&B address shown in the center of the form page. With the form is information on the class subjects and which categories can receive credit for the varying classes. Please be sure you register for a class that provides credit hours for the category of license, certification, or registration you have. S&B must receive the registration at least two weeks before the date of the class. If you have questions, contact the S&B Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.

Wed., December 6, 2000
Sheraton Hotel
706 John Nolen Drive
Madison WI 53713
800-325-3535

Tues., December 12, 2000
Holiday Inn Hotel
1501 North Point Drive
Stevens Point WI 54481
800-922-7880

Tues., December 19, 2000
Holiday Acres Resort
4060 South Shore Drive
Rhineland WI 54501
800-261-1500

Thurs., January 4, 2001
Country Inn Hotel
2810 Golf Road
Waukesha WI 53187
262-547-0201

Tues., January 9, 2001
Country Inn Suites
10290 Hwy 27 South
Hayward WI 54843
715-634-4100

Thurs., January 11, 2001
Ramada Inn Conf. Center
1202 W. Clairemont Ave.
Eau Claire WI 54701
800-482-7829

Tues., January 16, 2001
Alaskan Motor Inn
531 State Road 82
Mauston WI 53948
800-835-8268

Thurs., January 18, 2001
Governor Dodge Motor Inn
300 West Hwy 151
Platteville WI 53818
800-528-1234

Tues., January 30, 2001
Holiday Inn City Centre
200 Main Street
Green Bay WI 54301
800-457-2929

Thursday, February 1, 2001
Holiday Inn and Holidome
625 West Rolling Meadows Drive
Fond Du Lac WI 54937
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Please be sure you register for a class that provides credit hours for the category of license, certification, or registration you have.

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What's happening with Comm 83 since July 1?

by Roman Kaminski, S&B POWTS Program Manager 715-345-5334, rkaminski@commerce.state.wi.us

The Comm 83 code package went into effect on July 1, 2000, as scheduled. The weeks leading up to the July 1 date were filled with activity both at the Safety and Buildings Division and the county levels. A mass of last minute POWTS plans was processed and many counties stayed open late on Friday, June 30 (one reportedly until 9:30 p.m.) to accommodate those seeking Sanitary Permits prior to July 1.

With the dawn of the new code comes the need to pause and become familiar with the new provisions. If this isn't done, it will be difficult to get POWTS plans approved whether at the state or local level, or to get the Sanitary Permits issued.

Let me mention some of the things we have noticed that are causing delays during plan review.

Interestingly, technical design issues are not a major concern. However, many plan submitters are forgetting (or haven't studied the new rules), to include management plans, contingency plans, or information on such items as septic tank outlet filters or valves located at the ends of distribution laterals.

The requirements for management and contingency plans are new and so there is some confusion. Here are some points to remember:

- The user manuals referenced in the component manuals require several elements, one of which is a management plan.
- A POWTS plan submitted to S&B must include a management plan. That management plan may be part of a user manual or it may not. In any event, S&B is only interested in verifying that the management plan is adequate for the component(s) that constitute the POWTS system. Remember that a user manual must ultimately be given to the property owner so that they can read and understand how the POWTS system is to be operated and maintained. They will need to know who to call if

they have questions or a problem.

- A description of a contingency plan is required for each POWTS design. (Even a holding tank system.)

Several counties and designers have already developed simple standardized management plan documents for the most common types of POWTS systems. More complex POWTS designs, consisting of multiple components or components with various management/maintenance cycles, will no doubt require more complex management plans. If anyone is willing to share their examples, we can post them on the S&B WebSite for others to view, <http://www.commerce.state.wi.us/SB/SB-Comm83LocalRegulatorsPage.html>.

A couple of other common questions...

Are county soil verification onsite mandatory for at-grade systems? The answer is "no." The at-grade component manual cites the verification in the checklist portion of the manual. This is an error that will be corrected in future versions of the manual.

A similar type of error appears in the holding tank

"We are in the process of compiling other questions, comments, and corrections concerning the code and component manuals.

More information will be in future issues of the *WPCR* and will be posted on our website, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>."

component manual. The checklist refers to a complete soil and site evaluation report that should be submitted with a holding tank

plan. That form is **not** needed by S&B to complete the holding tank plan review.

Keep in mind though, that many counties are revising their ordinances to list holding tanks as a system of last resort. In that case, the county may ask for "proof" that the site is only suitable for a holding tank. That proof will generally consist of a soil test.

We are in the process of compiling other questions, comments, and corrections concerning the code and component manuals. More information will be in future issues of the *WPCR* and will be posted on our website, <http://www.commerce.state.wi.us/SB/SB-HomePage.html>.

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A footnote to Table 83.43-1, "Horizontal Setback

Parameters" refers to Department of Natural Resources NR 811 and 812 as being reprinted in part in the Comm 83 appendix. Actually, the information is not yet in the appendix. Some of the information is reprinted here. The information is also available on the Internet, <http://www.legis.state.wi.us/rsb/code/nr/nr812.pdf>.

Partial NR 812.08 TABLE A - MINIMUM SEPARATION DISTANCE REQUIREMENTS BETWEEN POTABLE OR NONPOTABLE WELLS, RESERVOIRS, SPRINGS AND POSSIBLE SOURCES OF CONTAMINATION

New installations shall meet the separation requirements in the far right column, Existing installations shall meet the separation *requirements in effect* at the time of construction, those in effect at the time of installation of the possible source of contamination, if later, or to the *requirements adopted* on October 1, 1994,

Source	Prior to@ Oct. 1975	Oct. 1975 to Oct. 1981	Oct, 1981 to Jan 1991	Feb. 1991 to Oct 1994	After Oct. 1994
Absorption Unit (field), soil	50'	50'	50'	50'	50'
Grease Interceptor (Trap) (Buried)	25'	25'	25'	25'	25'
Holding Tank (Sewage)	None	25'	25'	25'	25'
Mound System (Measured to the toe of the mound)	50'	50'	50'	50'	50'
Privy	50'(Sewage Disposal Units)		50'	50'	50' 50'
Septic Tank	25'	25'	25'	25'	25'
Soil Absorption Unit (< 8,000 gal/day, includes alternate unit)	50'	50'	50'	50'	50'
			(200' for schools as of 1978)	(200' for schools)	(200' for schools)
Soil Absorption Unit ≥8,000 gal/day, existing or abandoned	50'	50'	50'	250'	250'



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Greasy Wastes and POWTS - When is additional treatment required?

by Lynita Docken, S&B Plumbing
Program Manager, 608-785-9349,
ldocken@commerce.state.wi.us

Comm 83.44 (2) requires that “the quality of influent discharged into a POWTS treatment or dispersal component consisting in part of in situ soil shall be equal to or less than all of the following:

1. A monthly average of 30 mg/L fats, oil and grease.
2. A monthly average of 220 mg/L BOD₅.
3. A monthly average of 150 mg/L TSS.

Here are a few points on how a designer can evaluate a project for levels of fats, oil, and grease.



1. Additional treatment may be required.

Table A-83.43-1 lists estimates of some public facility wastewater flows. Also included in the table is an asterisk (*), denoting possible “high strength” wastewater. The food processing or serving facilities with an asterisk in this table will be considered over the level of Comm 83.44(2) unless other information is provided with the design. Designs for high strength waste require additional treatment in the wastewater treatment process.

2. May not require treatment. S&B historically has not required grease interceptors in specific food processing or serving applications where the possibility of grease production is reduced by the processes used in a facility. These facilities usually do not require grease interceptors or additional treatment to attain the levels required in Comm 83.44(2). Included in the exceptions are:

- Sandwich shops with only pre-sliced meats and no soups or sauces heated in pans on site.
 - Church or assembly kitchens with only a single compartment sink for coffee service. No other dishwashing facilities.
 - Bars that serve sealed foods such as sandwiches or pizza.
 - Shops when the hamburgers are purchased pre-pattied and served on paper products. The only item washed in this case is the spatula used for frying the burgers.
 - Shops that serves hot dogs, weiners, or sausages from a rotisserie.
 - Ice cream shops where only the scoop would require washing.
- 3. No additional treatment required.** S&B makes an assumption, based on numerous studies of residential wastewater discharge, that residential occupancies will not discharge wastewater with loads in excess of the Comm 83.44 (2) requirements.

If you have questions regarding the grease interceptor requirement or the exceptions, contact a general plumbing plan reviewer or consultant. If you have questions concerning the POWTS dispersal requirement for fats, oil, and grease contact a POWTS reviewer or wastewater specialist. See page two of this *WPCR* for contact information.

Be aware of your continuing education responsibilities and of the time period in which you need to obtain the credits.

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