

Model fire code could be presented at hearings with other building-related code changes

By John Lippitt, Safety and Buildings Division Fire Safety Program Manager, 608-266-1036, jlippitt@commerce.state.wi.us

After two years of research, comparisons, and very careful consideration, managers of the Safety and Buildings Division and the Department of Commerce are expected to propose adoption of the International Fire Code (IFC) for use as the base document for the Wisconsin Fire Prevention Code.

(See accompanying article on page 3 about advisory council recommendations on possible building/fire code changes in Wisconsin.)

Discussion of adopting a Wisconsin version of the IFC could be included in upcoming public hearings, along with adoption of Wisconsin versions of the International Building Code (IBC), the International Mechanical Code (IMC), the International Energy Conservation Code (IECC), and the International Fuel Gas Code (IFGC).

These five national model codes developed by the International Code Council (ICC) would provide for integrated compatible rules for the constructed environment. Variations from the national codes are planned to suit specific Wisconsin statutes, codes, or geophysical conditions, yet are expected to be kept at a minimum.

Adoption of the IFC would greatly expand the scope and application of fire safety regulations in Wisconsin. There are many fire hazards addressed in the IFC that previously have not been covered in

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'Tis a special time of year!

Now is a time to pay special attention to whether you have continuing education responsibilities to fulfill before the end of the year.

If you have questions on your continuing education status, please contact the Safety and Buildings Division Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.



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Wisconsin Building Codes Report

Safety and Buildings Division,
Department of Commerce

November 2000



Model fire code

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Comm 14, the current Fire Prevention Code. The IFC provides guidance for the building owner and the fire code official to ensure that fire hazards are identified. Appropriate fire prevention procedures and fire protection features are provided based upon specific hazards. The IFC is structured to safely manage the risks associated with fire and explosions within buildings, structures, and upon the premises.

Application of the IFC in the rule change proposals would allow for safe operations and processes in both new and existing properties. The IFC provides tools needed by fire inspectors to maintain safe properties within their territories.

Also, the IFC is designed to accompany the above-mentioned IBC and IMC. For every occupancy defined in the IBC, the IFC has regulations to ensure the occupancy is constructed safely. Where a process or operation in a building creates contamination of the air or a fire hazard, the IMC has requirements to safely ventilate the area. All three codes, the IBC, IFC and IMC are designed by purpose to be interrelated and dependent upon each other to provide for a safe environment.

For those of you who receive the WBCR free because you have a license administered by the Safety and Buildings Division, address changes should be provided to the S&B Credential Unit, madisoncred@commerce.state.wi.us, 608-261-8500.

People with paid subscriptions may request service and provide address changes through Material Orders, PO Box 2509, Madison, WI 53701. Fax 608-261-6699. Telephone 608-267-4405. Email phobbs@commerce.state.wi.us

Subscriptions are \$20, payable in advance to the Safety and Buildings Division for 12 monthly issues.

With the proposed repeal and recreation of a number of state building codes, the fire code has been assigned a new chapter number. The public hearing draft has the Fire Prevention Code numbered as Comm 66. The existing chapter Comm 66 (Multifamily Dwellings) would be repealed, with the rules for multifamily dwellings nested in the proposed building code chapters Comm 61 to 65.

It is very important that there is an understanding of the application of the proposed Comm 66. For the design and construction of an existing building, the new fire code **would not be** applied retroactively.

For operation and use of an existing building, the fire code **would be** applied retroactively. Fire safety requirements regarding the storage, handling, and use of flammable, combustible, and explosive materials identified by the IFC are applied to existing buildings. Additionally, the IFC contains requirements regarding hazardous materials, including gases, solids, and liquids, which will be applied to existing buildings.

Public hearings are planned for January and February of 2001. I invite all interested parties to obtain copies of the IFC and the proposed Comm 66, so you can see for yourself how the two documents would work together to enhance fire safety in Wisconsin. See the bottom of page 3 on how to obtain the documents.

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

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

IBC Adoption Update - December 2000

Proposals being prepared for upcoming hearings on major changes among the commercial building, multifamily, and other codes

by J.B. Smith, Commercial Buildings Program Manager, 608-266-0251, jsmith@commerce.state.wi.us

Safety and Buildings staff have been working on the language of public hearing drafts for adoption of the Wisconsin versions of the International Building Code (IBC), the International Mechanical Code (IMC), the International Energy Conservation Code (IECC), and the International Fuel Gas Code (IFGC). We have been spending many hours coordinating efforts of S&B code writers with those of the various advisory individuals and groups.

The efforts are merited in view of the positive changes adoption of the codes would bring to our state.

Also being considered is the possible adoption of the International Fire Code (IFC), with Wisconsin amendments, rather than continue with extensive recalibrating of the current Comm 14, Fire Prevention Code. The reworking of Comm 14 to integrate it with adoption of the above-noted codes had been progressing.

In November, two major S&B oversight advisory councils, the Commercial Building Code Council and the Multifamily Code Council, recommended the division proceed with adoption hearings, including an IFC adoption proposal.

Six other speciality advisory councils have also recommended "I" codes related to their technical areas, including the Fire Safety Code Council's recommendation of IFC adoption along with the four codes mentioned in the first paragraph. The other councils are the Means of Egress and Accessibility Council; the Elevator Code Council; the Structural Review Code Council; the Energy Conservation Code Council; and the Heating, Ventilating, and Air Conditioning Code Council.

A decision was to be made by S&B and Department of Commerce management after this WBCR's printing deadline as to how to proceed with a fire code proposal.

Also not available at this writing are the specifics of the public hearings. **Both of these topics will be described in a special *Building Code Development* issue of the WBCR appearing in December.**

Remember the *WBCR* and *Wisconsin Plumbing Codes Report* are available via "Publications" on the S&B WebSite, where the first specifics of the hearings will be announced: <http://www.commerce.state.wi.us/SB/>.

Safety and Buildings-related codes are on the Internet,

www.commerce.state.wi.us/SB/SB-CodesListing2000.html

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.

Copies of the **2000 International Codes** are available from:

- Building Officials and Code Administrators International, 800-214-4321, www.bocai.org/;
- International Conference of Building Officials, 888-699-0541, www.icbo.org/;
- Southern Building Code Conference International, 888-447-2224, www.sbcci.org/

An explanation of the submittal requirements for HVAC equipment replacement

by Randy Dahmen, S&B HVAC Consultant, 608-266-3162, rdahmen@commerce.state.wi.us

As of September 1, 2000, HVAC equipment replacement submission requirements were changed, along with the building/HVAC fee submission requirements.

The revised Comm 50, the administrative chapter of the Commercial Building Code, Comm 50-64, no longer requires submittal to the Safety and Buildings Division for review prior to installation “one-for-one” HVAC equipment replacements which are substantially similar in size.



Equipment “replacement” implies the removal of existing, and the installation of new heating, ventilating, or air conditioning equipment including, but not limited to,

furnaces, air-handling units, central air conditioners, boilers, and water heaters.

“Replacement” of equipment means no changes to existing ductwork or piping are permitted other than

those necessary to fit the new equipment to the existing system. If changes to the ductwork and piping go beyond this, HVAC alteration plans must be submitted in accordance with Comm 50.12.

“Replacement” does not include changing equipment sizes or capacities to accommodate building alterations or additions. When HVAC equipment sizes or output capacities are changed due to a building addition or alteration, HVAC alteration plans must be submitted in accordance with Comm 50.12.

“One-for-one” boiler replacements or refrigeration equipment replacements (50 ton and above) do not need to be submitted for review for compliance with Comm 50-64. However, all owners/designers are required to contact and notify the S&B Boiler and Pressure Vessel Inspection Unit of the change. Form SBD-6314 is required to be completed and submitted for boilers. Form SBD-34 is required for refrigeration units. The forms may be obtained free of charge by calling 608-266-1818.

Although submission to the state is not required, local ordinances may require HVAC equipment information to be submitted prior issuing HVAC permits. Any fees associated with local HVAC permits would be defined by the municipality issuing the permit.

A Summary of Fees and Submittal Requirements

Replacement of equipment (identical or closely similar in size): No state fee or submittal required. Boiler/refrigeration replacements need to be registered with the S&B Boiler and Pressure Vessel Inspection Unit.

Replacement of equipment (substantially smaller in size): Submittal required. “Substantially” means that the output of the new equipment is more than 15 percent less than the original equipment.

\$200 per piece of equipment. Submittal shall include: 1) A completed SBD-118 plan application form; 2) Appropriate fees; 3) At least four copies of a letter identifying the building by address, occupancy, and owner; identifying the name and address of the HVAC contractor or designer responsible for making the replacement; giving the make, model, and BTU output of the equipment being replaced; giving the make, model, and BTU output of the replacement equipment; Specifying

Employment Opportunity

Bureau of Field Operations Section Chief, Boilers and Elevators, Madison, Career Executive, Announcement 04880

Department of Commerce; Division of Safety and Buildings; Bureau of Field Operations. **Salary:** Start between \$44,791 and \$54,288 per year, plus excellent benefits. A one-year career executive trial period will be required. **Job Duties:** Manage a section comprised of professional technical staff in the elevator and boiler safety and inspection programs; develop and manage work plans, budgets, staff services, operating policies, staff assignment and activities; perform strategic planning for the section; resolve policy-related conflicts; participate in division-wide fiscal, budget, personnel, contract, program evaluation, and facilities management issues; represent the section on the division's management team; supervise staff and provide technical oversight of staff activities; implement statutory mandates, administrative policies, codes, code interpretations, program policies and practices; provide leadership to the section; act as a technical program expert to all staff in the division. **Well-Qualified Applicants:** Well-qualified applicants will have experience in elevator safety/inspection and boiler and pressure vessel safety/inspection; certification in the areas of elevator and boiler inspection; appropriate educational background and credentials, and management and technical work experience. **Knowledge and Skills Required:** Technical applications in the boiler safety and elevator safety fields; relevant codes, including Comm 18, 40, 41, 43, 45 and/or national codes equivalents; basic management and supervisory principles and practices; principles of technical engineering inspection processes, including engineering calculations and measurements; program and policy planning and development techniques; strategic planning process; principles relevant to fiscal control, budget management, personnel, contracting, and other general management functions; administrative rule enforcement procedures; code development process; oral and written communication skills. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), current resume, and brief paper describing in detail your qualifications for this position in the following specific areas: 1) Education, training and relevant credentials; 2) Technical program consultation, particularly the program areas specific to the position; 3) Staff supervision; 4) Program management (cite all specific areas of responsibility); 5) Knowledge of and/or experience working with relevant codes and regulations. Include employer names and employment dates for all information presented. Send application materials to Dale Bartz: Email: dbartz@commerce.state.wi.us; Department of Commerce Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970. Fax 608-266-0182. Telephone 608-266-0366. Application materials will be accepted until the needs of the department are met. To be included in the first review of applications, completed materials must be received by December 31, 2000.

UL, AGA, PFS or other recognized laboratory approval shall be specified; 4) Since the BTU output of the replacement equipment is substantially less than that of the equipment being replaced, HVAC heat loss calculations must be submitted proving the adequacy and code compliance of the smaller unit(s); 5) Since the replacement equipment has a BTU output substantially less than that of the equipment being replaced, and the building contains more than 50,000 cubic feet total volume, the letters and calculations must be signed, sealed, and dated by a Wisconsin registered architect, engineer, or HVAC designer. Boiler/refrigeration replacements need to be registered with the S&B Boiler and Pressure Vessel Inspection Unit.

Heating ONLY equipment is replaced with equipment capable of both heating and cooling: Submittal required. Fee based on area to be served by equipment, plus submittal fee. Boiler/refrigeration replacements are required to contact the S&B Boiler

and Pressure Vessel Inspection Unit.

Installation of stand alone equipment (fireplaces, range hoods, waste oil burners, etc.): Submittal required. \$200/piece of equipment, plus submittal fee.

In all cases involving new equipment, if the new equipment will require fire-rated isolation from the balance of the building where the old equipment did not, evidence of a rated enclosure must be submitted. Typical examples of this type of replacement include changing from electric to gas-fired, or from direct-vent sealed combustion chamber gas-fired to traditional gas-fired.

Evidence of rated enclosure consists of a letter from an architect, engineer, or certified commercial building inspector stating there is an existing rated room and giving the fire rating of that room in hours. If the room is not adequate, submission must include the building of a new rated room, per Comm 50.12.

Employment Opportunities

Private Sewage Plan Reviewer, Madison, Waukesha, or La Crosse, Announcement # 04338

Department of Commerce; Division of Safety and Buildings, Integrated Services Bureau. **Salary:** Start at \$36,650 per year plus excellent benefits. **Job Duties:** Examine Private Onsite Wastewater Treatment Systems (POWTS) designs, specifications, and calculations submitted by design professionals to determine compliance with state Uniform Plumbing Code. Determine compliance of proposed plans with administrative codes; apply engineering principles and practices to ensure adequate hydraulic and pneumatic balance within POWTS. Consult with design professionals to explain actions taken; respond to inquiries, suggest alternative design options; analyze petition for variance requests; prepare and present training related to POWTS design principles and practices. **Well-Qualified Applicants:** Well-qualified applicants will have certification as a POWTS Inspector AND Soil Tester and/or certification as a Designer of Plumbing Systems in Wisconsin or registration as a Professional Engineer. **Knowledge and Skills Required:** Knowledge of Wisconsin Uniform Plumbing Code; engineering principles related to hydraulics and pneumatics involved in the design of POWTS systems; materials and components involved in POWTS systems. Skills in oral and written communications. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), a current resume, and a brief description of your qualifications for this position in the following specific areas: 1) Licenses, registrations, credentials, educational degrees, etc.; 2) Experience reviewing/developing designs for POWTS; 3) Experience providing technical consultation regarding POWTS. Send application materials to: Dale Bartz; Department of Commerce; Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970. Fax 608-266-0182; Telephone 608-266-0366; Email dbartz@commerce.state.wi.us. Deadline: Application materials will be accepted until the needs of the department are met.

Bureau of Field Operations Section Chief, Fire Safety and Elevators, Madison, Career Executive, Announcement 04936

Department of Commerce; Division of Safety and Buildings; Bureau of Field Operations. **Salary:** Start at between \$44,791 and \$64,059 per year, plus excellent benefits, depending upon qualifications. A two-year career executive trial period will be required. **Job Duties:** Direct a section that is responsible for complex engineering and technical inspection, consultation, and auditing functions for fire safety and electrical engineering consultation, inspection, and enforcement programs. Supervise engineering and technical staff; develop and manage section budget; develop policies and operating procedures; plan and direct section staff services; provide technical consultation to staff; participate as a member of the division management team; contribute to strategic planning process; participate in development of methods pertaining to fiscal control, budget, personnel, planning, policy development, process re-engineering, and other management objectives. **Well-Qualified Applicants:** Well-qualified applicants will have a four-year degree in an ABET accredited fire engineering program; or civil/mechanical or electrical engineering degree AND significant coursework in fire protection/engineering; PE, EIT, certification as a licensed designer of fire protection systems; and will have a thorough knowledge of National Fire Protection Assoc. standards. This position requires substantial statewide travel and requires a valid Wisconsin driver's license. The ability to maneuver around construction sites is required, including climbing, bending, and stooping. The individual hired must become certified as a Commercial Building Inspector and Fire Inspector within one year from the date of hire. **Knowledge and Skills Required:** Knowledge of: general management principles; budget management principles; general supervisory principles and practices; NFPA codes; engineering principles, including fire engineering and electrical engineering; principles of fire protection services. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), a current resume, and a letter of interest limited to two typed pages detailing your education, training, credentials, and years of experience related to: 1) Technical knowledge of fire protection engineering and associated NFPA standards and state codes; 2) Supervision of engineering/technical staff (e.g. hiring, disciplining, training). Include type of staff supervised; 3) Program management, which may include: strategic planning, policy-making, goal-setting, budget and fiscal development, personnel management issues, management studies, activities planning, training assessment/implementation; staff development, etc.; 4) Fire protection-related services, such as fire-fighting, fire inspection/investigation, systems inspection / review, etc. Send application materials to: Dale Bartz; Email dbartz@commerce.state.wi.us; Department of Commerce; Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970; Fax 608-266-0182; Telephone 608-266-0366. Deadline: Completed application materials must be received by December 31, 2000.

UDC Continuing Ed

Milwaukee Area Enforcement Inspectors (AFSME Local 2754) are organizing a set of UDC classes for 2001. Classes will be held on Wednesday evenings, beginning Jan. 17, from 5-7 p.m. at the Local's office at Ninth and Mitchell on Milwaukee's south side. The classes are open to all interested parties. For further information, contact Jon Lang, 414-286-2132, or Elvin Maher, 414-286-3166.

Clearing up transfer air between dwelling units

by John A. Spalding, Bureau of Integrated Services Commercial Buildings Section Chief

There seems to be some confusion about Comm 64.18(1)(c) and under what occupancies air may be transferred between dwelling units. The purpose of this article is to clarify the intent of the code, and to explain which occupancies allow air transfer between dwelling units.

Comm 64.18(1)(c): “Air shall not be transferred from one dwelling unit to another, except in buildings where tobacco smoking is controlled and restricted to designated areas and not allowed in dwelling units, and air is not transferred from designated smoking areas to dwelling units”

When this section was created, it was intended to be very restrictive in its application. The commentary to the



code states: “The exception allowing the transfer of air from one dwelling unit to another is for community-based residential facilities (CBRF’s), hospitals, and nursing homes where there is absolute control of tobacco smoke.”

Comments have been made to me about what “absolute control” means, ranging from placing “No-Smoking” signs, to having the owner or their representative on site at all times, to placing sensitive smoke detectors within the ducts.



Unfortunately, all of these methods are dependent on cooperation of tenants and facility management. After much discussion, therefore, it has been reconfirmed that the only method by which the code can ensure smoking will be controlled is to limit the occupancies which are covered by this section to:

- A. Facilities which have state of Wisconsin certified and/or registered personnel in the facility 24 hours a day, 7 days a week; and
- B. Facilities which are licensed, and therefore regulated, by the state of Wisconsin.

With these requirements in mind, only the following facilities may transfer air between dwelling units in accordance with Comm 64.18(1)(c):

- A. State-licensed community-based residential facilities within the scope of Comm 61 and Comm 57; and
- B. State-licensed hospitals and nursing homes within the scope of Comm 58.

Examples of occupancies which may not transfer air between dwelling units:

- A. Residential care assistance centers;
- B. Dormitories;
- C. Hotels and motels; or
- D. Any other multifamily dwelling unit within the scope of Comm 66 and Comm 57.

If you have questions as to the details of this code section, contact a commercial building plan reviewer listed on page 15 of this *WBCR*.

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 Super, Mary J., above
Manufactured Home Unit Super., Malini

Ganeshpillai, 608-266-5333

Shawano Office: Brad Johnson, 715-524-6853

Waukesha Office: Tony Rubio, 262-548-8610

Fire Protection Systems Plan Review Survey

S&B is surveying municipalities and fire departments to identify agencies that are currently performing plan review services for fire protection systems, including fire suppression systems and fire alarm systems.

The information will be used to identify potential partners who might want to become agents of S&B for purposes of fire protection system plan review.

It is our plan to send a copy of the new S&B fire protection system plan review standards to municipalities and fire departments that complete and return the form below. If the municipality or fire department believes they are qualified to follow the standard and conduct a plan review as specified in

the standard, then they will submit a no-cost application to become an agent of the department.

Any municipality or fire department that would like to be identified and considered for agent status should complete a photocopy of the form below and return it to S&B. If you are not currently providing fire protection system plan review now, do not submit the form. Mail the form to Clyde Bryant, Bureau of Integrated Services, PO Box 2658, Madison, WI 53701. For additional information you may contact S&B Fire Protection System Plan Reviewers Keith Glaunert 608-267-7395, kglauert@commerce.state.wi.us, or Bill Sullivan, 608-266-9643, wsullivan@commerce.state.wi.us.

Please fill out and return the survey as soon as possible. Thank-you!

Name of municipality or fire department _____

Address _____

Currently reviewing plans for the following municipalities _____

County(ies) _____ Contact name _____

Phone _____ Fax _____ Email _____

Check which type of fire protection system plan review you are currently providing:

Fire Sprinkler Systems _____ Fire Alarm Systems _____ Special Hazards Systems _____

Code Interpretation

Code Section: ***Comm 51.25 Incorporation of Standards by Reference***

(3) ADOPTION OF STANDARDS. The standards referenced in Tables 51.25-1 to 51.25-21 are hereby incorporated by reference into this chapter.

Question: Upon adoption, must the standards being adopted be used in their entirety?

Answer: No. It is not the intent that by merely adopting a standard, the standard must be used in its entirety. The extent to which a standard is to be applied is addressed in the text of the code section that requires users of the code to utilize the standard. The intent explained within this interpretation is also stated in the note immediately following the subject administrative rule section. That note reads as follows: The tables in this section provide a comprehensive listing of all of the standards adopted by reference in this code. For requirements or limitations in how these standards are to be applied, refer to the code section that requires compliance with the standard.

By: James B. Smith, Safety and Buildings Division Commercial Buildings Program Manager,
608-266-0251, jsmith@commerce.state.wi.us.

Recommendation that smoke alarms be replaced after 10 years

By John Lippitt, S&B Fire Safety Program Manager

Questions and concerns recently have been raised and discussed nationally regarding the reliability of smoke alarms in existing buildings. Testing older smoke alarms indicated a high percentage of those appliances failed to meet performance requirements.

[Remember the definition of a “smoke detector” was revised to mean a device that detects visible or invisible particles of combustion. The customary appliance that both detected smoke and sounded the alarm is now defined as a “smoke alarm.” The definitions were changed nationally to reflect the terminology used internationally. An example of the global market in action!]

In an attempt to increase the reliability of smoke alarms, a requirement became part of the 1999 edition of NFPA 72, the National Fire Alarm Code. That 1999 version became effective in Wisconsin on April 1, 2000. NFPA 72:8-3.5 requires that, unless otherwise recommended by the manufacturer, smoke alarms installed in apartments and one- and two-family dwellings must be replaced when they fail to respond to maintenance tests, but shall not remain in service longer than 10 years from the date of installation.

The maintenance of fire alarm systems in commercial buildings, including multifamily dwellings, is regulated by Comm 51.245 (3), which specifies that all smoke alarms and system components shall be inspected, tested, and maintained in accordance with NFPA 72. The NFPA 72 code has not been adopted in our state Uniform Dwelling Code, so the new requirement does not apply to one- and two-

family dwellings in Wisconsin. So, at this time, multifamily buildings in Wisconsin are affected by the rule. I anticipate other occupancies with accommodations for sleeping will be added in future editions of NFPA 72.

Application of this requirement will be very difficult for code enforcement officials, as we are rarely invited to enter the interior of dwelling units in existing multifamily buildings. I anticipate we will be sharing information with the public indefinitely about smoke alarm replacement. Many apartment buildings throughout Wisconsin will be affected by this rule, because smoke alarms have been required in all apartments for much longer than 10 years.

Many fire departments have worked diligently within their territory to ensure that every dwelling unit has a working smoke detector. Now the focus must be expanded to include replacing existing smoke detectors with new smoke alarms. Even though the rules do not apply to one- and two-family dwellings, we know having working smoke alarms in homes is very important for the occupants’ safety. Every effort should be made to get the news out at the local level that older smoke detectors should be replaced with new smoke alarms where they have been in service for longer than 10 years. Additional information may be obtained by contacting one of the S&B fire protection system plan reviewers, Keith Glaunert 608-267-7395, kglauert@commerce.state.wi.us, or Bill Sullivan, 608-266-9643, bsullivan@commerce.state.wi.us.



Commercial lighting plan submittals reviewed

by Randy Dahmen, S&B Lighting Consultant, 608-266-3162, rdahmen@commerce.state.wi.us

What are the changes associated with commercial lighting plan submittals?

As of September 1, 2000, lighting plans associated with commercial buildings, previously sent to the Safety and Buildings Division for plan review, are no longer required to be submitted for review and approval prior to installation. The lighting plans are required to be properly prepared and available on request of state and local inspectors.

What lighting worksheets need to be prepared?

What needs to be prepared are lighting plans demonstrating compliance. This implies that the information previously sent to S&B for review and approval now still needs to be prepared, although it will not be reviewed. A reflective ceiling plan indicating the lighting layout, with no calculations, would NOT be adequate to demonstrate code compliance. The applicable information on the lighting worksheets L-1 through L-5 is required to be part of the lighting plan set. The designer may choose to develop a spreadsheet printout similar to the lighting worksheets. These designer-developed spreadsheets would also be acceptable as means to demonstrate compliance.

Will certified municipalities follow the S&B change for submittal?

Certified municipalities, as well as any other municipality, have the option to require properly

prepared lighting plans be made available to the local inspector at the job site. Municipalities may also choose to require review and approval of lighting plans at the local level prior to installation in the field, in accordance with local permitting ordinances. Owners, designers, and contractors should verify the local requirements prior to performing work.

Also, many municipalities manage their own community electrical utility. Because of this, some municipalities are choosing to maintain the requirement for lighting plan submittal and approval prior to installation in order to better anticipate energy use and utility needs.

Do the Chapter 63 lighting code requirements still have to be followed on commercial buildings?

Yes. All commercial code requirements must still be applied to all applicable commercial buildings, regardless of building size.

Are lighting plans required to be signed and sealed by a professional?

Yes. The requirements of Comm 50.07(2) still apply. If the building volume, (not just the volume of alteration or addition), is over 50,000 cubic feet, the lighting plans must bear the original wet stamp and signature of the professional who prepared them - professional engineers, registered architects, or registered electrical designers.

“I had commercial building plans approved by S&B prior to September 1, 2000, and have a conditional approval letter. The letter states that lighting plans are to be sent in for review and conditional approval prior to installation. Do I still have to send in the lighting plans for review?”

No. Lighting plans are no longer required to be submitted for S&B plan review. The lighting plans are required to be properly prepared and available to inspectors as indicated above.

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.”

Seminars on NFPA 30, Flammable and Combustible Liquids Code, 2000 Edition

March 13, 2001, Wausau

March 15, 2001, Madison

The seminar will provide for an update covering the major revisions to NFPA 30 from the 1996 edition to the 2000 edition. Included will be information about aboveground and underground storage tanks and the requirements for storage and isolation of flammable and combustible liquids in commercial buildings. The course instructor is Bob Bennedetti, National Fire Protection Association.

Admission is limited to Code Enforcers **ONLY**.

Approved for 7 hours con ed credit for commercial building inspectors and tank inspectors. Advance registration is required. The registration fee is \$50. per person, per session (Registration fee includes: 8-hour course; a copy of NFPA 30, the Flammable and Combustible Liquids Code; a course workbook, two breaks and lunch). Attendance is limited to the first 100 applicants. A confirmation notice and agenda will be sent prior to your seminar date.

Application

(Please check the location where you will attend). Seminars begin 8 a.m.

_____ March 13, 2001
Wausau

_____ March 15, 2001
Madison

REGISTRANT INFORMATION - Please complete all of the information

NAME _____
ADDRESS _____
DAYTIME TELEPHONE # _____
TYPE OF CODE ENFORCER _____
JURISDICTION _____

Total Fee Enclosed \$ _____
(Please make checks payable to Department of Commerce)

Send application and fee to: Yvonne Faga, Credentialing Unit, PO Box 1484, 201 W. Washington Avenue, Madison, WI 53704-7082

Questions regarding seminar content: call John Lippitt (608-266-1036)
Questions regarding registration: call Yvonne Faga (608-261-8470)
S&B Revenue Code 100-143-SBDV-323R-SG68-9200

Seminars on NFPA 72, National Fire Alarm Code, 1999 Edition

February 8, 2001, Wausau

February 6, 2001, Madison

Topics covered in the seminar: Choosing the Right Fire Alarm System for a Particular Occupancy; Choosing the Equipment for the Fire Alarm System; Developing Appropriate Specifications; Developing Appropriate System Design; Properly Installing the System; Properly Testing the System; Properly Maintaining the System; and Properly Using the System. The course instructor is Merton Bunker, National Fire Protection Association.

Admission is limited to Code Enforcers **ONLY**.

Approved for 7 hours con ed credit for commercial building inspector

Advance registration is required. The registration fee is \$50. per person, per session (Registration fee includes: 8-hour course; a copy of NFPA 72, The National Fire Alarm Code; a course workbook, two breaks and lunch). Attendance is limited to the first 100 applicants. A confirmation notice and agenda will be sent prior to your seminar date.

Application

(Please check the location where you will attend). Seminars begin 8 a.m.

_____ February 8, 2001
Wausau

_____ February 6, 2001
Madison

REGISTRANT INFORMATION - Please complete all of the information

NAME _____
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TYPE OF CODE ENFORCER _____
JURISDICTION _____

Total Fee Enclosed \$ _____

(Please make checks payable to Department of Commerce)

Send application and fee to: Yvonne Faga, Credentialing Unit, PO Box 1484, 201 W. Washington Avenue, Madison, WI 53704-7082

Questions regarding seminar content: call John Lippitt (608-266-1036)
Questions regarding registration: call Yvonne Faga (608-261-8470)
S&B Revenue Code 100-143-SBDV-323R-SG68-9200

CERTIFIED MUNICIPALITIES

Per ILHR 50.21, the following municipalities are certified to review plans for new buildings containing less than 5,000 sq. ft. total area; additions to existing buildings where the total area after construction of the addition is less than 5,000 sq.ft.; and alterations to existing building where the area of altered space is less than 10,000 sq. ft. If your project is located in a listed municipality, and meets the size criteria, contact the municipality for plan review. For information regarding the current status of a municipality, call 608-267-7586, or check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CertifiedMunicipalities.html>.

<u>Counties</u>	Fond du Lac	New Berlin	Racine	Walworth
Eau Claire	Fontana	New Richmond	Rhineland	Waterford
	Fort Atkinson	N. Fond du Lac	Ripon	Waukesha
<u>Cities and Villages</u>	Franklin	Oak Creek	Seymour	Waunakee
Altoona	Fredonia	Oconomowoc	Sheboygan	Waupun
Antigo	Glendale	Osceola	Silver Lake	Wausau
Augusta	Grafton	Oshkosh	Sister Bay	Wauwatosa
Beloit	Green Bay	Osseo	Stevens Point	West Allis
Berlin	Greenfield	Paddock Lake	Sturgeon Bay	West Bend
Big Bend	Hartland	Pleasant Prairie	Sun Prairie	West Milwaukee
Black River Falls	Hortonville	Plover	Superior	Whitefish Bay
Brookfield	Howard	Port Edwards	Sussex	Wis. Rapids
Brownsville	Janesville*	Poynette	Twin Lakes	
Burlington	Jackson			
Cedarburg	Johnson Creek			
Cudahy	Kaukauna			
Delafield	Kenosha			
Dousman	La Crosse	<u>Towns (County)</u>	Farmington (Polk)	
Dresser	Lake Geneva	Berry (Dane)	Geneva (Walworth)	
East Troy	Madison*	Bloomfield (Walworth)	Grand Chute (Outagamie)	
Eau Claire	Marshfield	Bloomington (Dane)	Grand Rapids (Wood)	
Elkhorn	Mequon	Bristol (Kenosha)	Hull (Portage)	
Elm Grove	Middleton	Cottage Grove (Dane)	LaGrange (Walworth)	
Ephraim	Milwaukee*	Delavan (Walworth)	Linn (Walworth)	
Fall Creek	Monroe	Eagle (Waukesha)	Metomen (Fond du Lac)	
Fitchburg	Muskego		Mukwonago (Wauke.)	
			Norway (Racine)	
			Ottawa (Waukesha)	
			Plover (Portage)	
			Raymond (Racine)	
			Saukville (Ozaukee)	
			Seymour (Eau Claire)	
			Somers (Kenosha)	
			Springdale (Dane)	
			Spring Green (Sauk)	
			Sugar Creek (Walworth)	
			Theresa (Dodge)	
			Walworth (Walworth)	
			Waterford (Racine)	
			Waukesha (Waukesha)	
			Wheatland (Kenosha)	
			Windsor (Dane)	

Municipalities marked with an are authorized to review plans without limit on size of building or project.

There is also a group of municipalities having inspection authority for commercial and multifamily buildings, but which do not have plan review authority. (The Safety and Buildings Division does the plan review.)

Inspections Only

Village of Belgium (Ozaukee)	Town of Pleasant Springs (Dane)
Village of Cambridge (Dane)	Town of Rochester (Racine)
Town of Cedarburg (Ozaukee)	Village of Rochester (Racine)
Town of Fond du Lac (FdL)	City of So. Milwaukee (Milwaukee)
Town of Lyons (Walworth)	City of Sparta (Monroe)
Town of Madison (Dane)	Village of Sturtevant (Racine)
Town of Oakland (Jefferson)	Town of Summit (Waukesha)
Village of Oregon (Dane)	Village of Thiensville (Ozaukee)
	City of Watertown (Jefferson, Dodge)

Safety and Buildings Offices

(Maps of S&B office locations are available on the WebSite at <http://www.commerce.state.wi.us/SB/SB-Offices.html>)

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

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

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

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 877-840-9172
madisonsch@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

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

Fire Safety Consultants

John AndersenChippewa Falls 715-726-2556
Dave BruflatHayward 715-634-6739
Lyle SmithWaukesha 262-548-8621
Robert KiserAppleton 920-954-1451
Terry NolenVerona 608-845-5375
Dan Graham, Superv.Madison 608-266-0056

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

Specialty Telephone Contacts

Barrier Free AccessDonna Stilen262-548-8609
Codes Sales800-362-7253
Credentialing608-261-8500
ElevatorsBrian Rausch262-521-5444
Fire Protection Systems ..Keith Glaunert608-267-7935
Bill Sullivan608-266-9643
Heating and Ventilation ..Randy Dahmen608-266-3162
Hospitals & Nursing Homes, DHFS608-266-3878
Industrial HygienistsRichard Brandt262-521-5187
Tom Pritchett608-592-3974
LightingRandy Dahmen608-266-3162
Manufactured Dwellings Gary Ekes608-355-0108
Mobile/Manufactured Homes608-266-8577
Plan Review StatusS&B offices listed on this page
RefrigerationMike Verhagen262-548-8617
Soil Erosion ControlMary Jo Webster ..608-266-2128
Structural Steel Welding .Mike Verhagen262-548-8617
Swimming Pool Review Dan Jensen608-267-5265
Glen Schlueter608-267-1401
Uniform Dwelling Code ...Leroy Stublaski608-267-5113
Rental Weatherization...Delores Kolosovsky 608-267-2240
Teletypewriter (TTY)608-264-8777

Plumbing Plan Reviewers

Ryan BoebelMadison 608-261-6535
Herman Delfosse La Crosse 608-789-5535
Tom Devereaux Hayward 715-634-3026
Wes Grube Green Bay 920-492-5613
Dan Kraft Madison 608-266-8075
Ken Pertzborn Madison 608-267-2242
Curt Wendorff Shawano 715-526-9056

Plumbing Consultants

Tom Braun Stevens Point 715-345-5335
Don Hough Hayward 715-634-4804
Tim Joyce Madison 608-825-4724
Don Oremus Pelican Lake 715-487-6123
Robert Samuels Waukesha 414-548-8634
Jim Wehinger Friendship 608-339-7430
Jim Zickert Eldorado 920-872-2656
Harold Stanlick, Superv. Waukesha 262-521-5065

POWTS Wastewater Specialists

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Matthew Janzen Stevens Point 715-345-5336
Leroy Jansky Chippewa Falls 715-726-2544
Carl Lippert Hayward 715-634-3484
Karl Schultz Oshkosh 920-424-3311
Dennis Sorenson La Crosse 608-785-9336
Duane Steiner West Baraboo 608-355-3159
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Raymond Weber	Wis. Rapids	715-421-2610
Dan Graham, Superv.	Madison	608-264-7624

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Scott Amacher	Cameron	715-458-4872
Terrence Clark	Stevens Point	715-345-5342
Tomothy Condon	Waukesha	262-521-5189
Manuel Juarez, Jr.	Orfordville	608-879-2764
Vernon Lemke	Green Bay	920-492-5615
Shirley Noltemeyer	Waunakee	608-849-9862
David Vriezen	Waukesha	262-548-8602
William Brann, Superv.	Madison	608-261-2510

Boiler Inspectors

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James Markiewicz	Appleton	920-832-5287
Rick Merkle	Kenosha	262-653-6880
Steve Seibel	Fond Du Lac	920-929-7513
Dean Yourchuck, Jr	Muscoda	608-929-4578
Terry Waldbillig	Waukesha	262-521-5066
Harold Stanlick, Superv.	Waukesha	262-521-5065

Commercial Building Inspectors

Leonard Alexander	Reedsburg	608-524-3374
John Anderson	Clintonville	715-823-2014
David Bibeau	Antigo	715-627-7329
Teresa Black	Hayward	715-634-8114
Nicholas Charles	Chippewa Falls	715-726-2541
John Dahl	Menomonie	715-232-6600
Jane Drager	Combined Locks	920-788-4616
Steven Gothard	Cottage Grove	608-839-9835
Emil Jensen	Green Bay	920-822-2915
Chris Luster	Prairie du Chien	608-326-6779
Veronica Miller	Waukesha	262-521-5067
John Nygard	Green Bay	920-434-7192
Peter Ochs	Fond Du Lac	920-929-3167
Charlotte Martin	Edgerton	608-884-4168
Sam Solberg	Stevens Point	715-345-5226
Lawrence Weede	Lake Geneva	262-248-4922
Betty Wiese	Milwaukee	414-228-6956
Mark Stevenson, Superv.	Green Bay	920-492-5611

The *WBCR* is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce. It is delivered to about 4300 frequent plan submitters, inspectors, fire chiefs, and fire sprinkler credential holders. Subscriptions are also available (see page 2). The publication provides information on fire safety, building-related codes, and licensing topics. SBD8482P

Sample S&B email address:

tdevereaux@commerce.state.wi.us

Elevator Inspectors

David Holmes	Eau Claire	715-836-7268
Kenton Johnson	Mount Horeb	608-437-4093
Jim Kreuzer	Tomah	608-374-2430
Timothy Marty	Appleton	920-832-5290
George Poblocki	Amherst	715-345-5277
Roger Robbins	De Pere	920-336-0719
Jerry Rowell	Argyle	608-543-3414
Ted Stinson	Waukesha	262-521-5065
Frank Wozniak	Waukesha	262-521-5065
Joe Hertel, Superv.	Madisons	608-266-5649

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Wes Grube	Green Bay	920-492-5613
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Julia Lewis-Osborn	Waukesha	262-548-8638
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Pat Shandorf	Hayward	715-634-7810
Jerry Swim	La Crosse	608-789-7892
Keith Wilkinson	Shawano	715-524-3630

Commercial Building Plan Reviewers

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	Tony Grzybowski	920-492-5609
	Lynne LeCount	920-492-7727
	Minh Tran	920-492-7730
	Jack Wotruba	920-492-6500
Hayward	temporarily vacant	715-634-8964
La Crosse	Doug Erler	608-789-4690
	Jack Miller	608-785-9348
	Jon Molzahn	608-785-9344
	John Pearse	608-785-7852
Madison	Kenneth Beseke	608-261-8504
	Jon Buschke	608-266-1921
	Randy Dahmen	608-266-3162
	Dale Mitchell	608-266-0669
	(Nizam) S. Nizamuddin	608-267-0768
	Rick Olson	608-266-9291
	Ellis Pifer	608-266-0676
	Moktar Taamallah	608-266-8737
	Mike Valdovinos	608-267-2498
	Shawano	Steve Dobratz
Irene Gerloff-Heckert	715-524-6851	
Waukesha	Lee Finley	262-548-8611
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	Tariq Masood	262-548-8608
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WBCR - November 2000
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Model fire code could be presented at hearings with other building-related code changes

By John Lippitt, Safety and Buildings Division Fire Safety Program Manager, 608-266-1036, jlippitt@commerce.state.wi.us

After two years of research, comparisons, and very careful consideration, managers of the Safety and Buildings Division and the Department of Commerce are expected to propose adoption of the International Fire Code (IFC) for use as the base document for the Wisconsin Fire Prevention Code.

(See accompanying article on page 3 about advisory council recommendations on possible building/fire code changes in Wisconsin.)

Discussion of adopting a Wisconsin version of the IFC could be included in upcoming public hearings, along with adoption of Wisconsin versions of the International Building Code (IBC), the International Mechanical Code (IMC), the International Energy Conservation Code (IECC), and the International Fuel Gas Code (IFGC).

These five national model codes developed by the International Code Council (ICC) would provide for integrated compatible rules for the constructed environment. Variations from the national codes are planned to suit specific Wisconsin statutes, codes, or geophysical conditions, yet are expected to be kept at a minimum.

Adoption of the IFC would greatly expand the scope and application of fire safety regulations in Wisconsin. There are many fire hazards addressed in the IFC that previously have not been covered in

continued on page 2

'Tis a special time of year!

Now is a time to pay special attention to whether you have continuing education responsibilities to fulfill before the end of the year.

If you have questions on your continuing education status, please contact the Safety and Buildings Division Credentialing Unit, 608-261-8500, madisoncred@commerce.state.wi.us.



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Wisconsin Building Codes Report

Safety and Buildings Division,
Department of Commerce

November 2000



Model fire code

continued from page 1

Comm 14, the current Fire Prevention Code. The IFC provides guidance for the building owner and the fire code official to ensure that fire hazards are identified. Appropriate fire prevention procedures and fire protection features are provided based upon specific hazards. The IFC is structured to safely manage the risks associated with fire and explosions within buildings, structures, and upon the premises.

Application of the IFC in the rule change proposals would allow for safe operations and processes in both new and existing properties. The IFC provides tools needed by fire inspectors to maintain safe properties within their territories.

Also, the IFC is designed to accompany the above-mentioned IBC and IMC. For every occupancy defined in the IBC, the IFC has regulations to ensure the occupancy is constructed safely. Where a process or operation in a building creates contamination of the air or a fire hazard, the IMC has requirements to safely ventilate the area. All three codes, the IBC, IFC and IMC are designed by purpose to be interrelated and dependent upon each other to provide for a safe environment.

For those of you who receive the WBCR free because you have a license administered by the Safety and Buildings Division, address changes should be provided to the S&B Credential Unit, madisoncred@commerce.state.wi.us, 608-261-8500.

People with paid subscriptions may request service and provide address changes through Material Orders, PO Box 2509, Madison, WI 53701. Fax 608-261-6699. Telephone 608-267-4405. Email phobbs@commerce.state.wi.us

Subscriptions are \$20, payable in advance to the Safety and Buildings Division for 12 monthly issues.

With the proposed repeal and recreation of a number of state building codes, the fire code has been assigned a new chapter number. The public hearing draft has the Fire Prevention Code numbered as Comm 66. The existing chapter Comm 66 (Multifamily Dwellings) would be repealed, with the rules for multifamily dwellings nested in the proposed building code chapters Comm 61 to 65.

It is very important that there is an understanding of the application of the proposed Comm 66. For the design and construction of an existing building, the new fire code **would not be** applied retroactively.

For operation and use of an existing building, the fire code **would be** applied retroactively. Fire safety requirements regarding the storage, handling, and use of flammable, combustible, and explosive materials identified by the IFC are applied to existing buildings. Additionally, the IFC contains requirements regarding hazardous materials, including gases, solids, and liquids, which will be applied to existing buildings.

Public hearings are planned for January and February of 2001. I invite all interested parties to obtain copies of the IFC and the proposed Comm 66, so you can see for yourself how the two documents would work together to enhance fire safety in Wisconsin. See the bottom of page 3 on how to obtain the documents.

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

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

IBC Adoption Update - December 2000

Proposals being prepared for upcoming hearings on major changes among the commercial building, multifamily, and other codes

by J.B. Smith, Commercial Buildings Program Manager, 608-266-0251, jsmith@commerce.state.wi.us

Safety and Buildings staff have been working on the language of public hearing drafts for adoption of the Wisconsin versions of the International Building Code (IBC), the International Mechanical Code (IMC), the International Energy Conservation Code (IECC), and the International Fuel Gas Code (IFGC). We have been spending many hours coordinating efforts of S&B code writers with those of the various advisory individuals and groups.

The efforts are merited in view of the positive changes adoption of the codes would bring to our state.

Also being considered is the possible adoption of the International Fire Code (IFC), with Wisconsin amendments, rather than continue with extensive recalibrating of the current Comm 14, Fire Prevention Code. The reworking of Comm 14 to integrate it with adoption of the above-noted codes had been progressing.

In November, two major S&B oversight advisory councils, the Commercial Building Code Council and the Multifamily Code Council, recommended the division proceed with adoption hearings, including an IFC adoption proposal.

Six other speciality advisory councils have also recommended "I" codes related to their technical areas, including the Fire Safety Code Council's recommendation of IFC adoption along with the four codes mentioned in the first paragraph. The other councils are the Means of Egress and Accessibility Council; the Elevator Code Council; the Structural Review Code Council; the Energy Conservation Code Council; and the Heating, Ventilating, and Air Conditioning Code Council.

A decision was to be made by S&B and Department of Commerce management after this WBCR's printing deadline as to how to proceed with a fire code proposal.

Also not available at this writing are the specifics of the public hearings. **Both of these topics will be described in a special *Building Code Development* issue of the WBCR appearing in December.**

Remember the *WBCR* and *Wisconsin Plumbing Codes Report* are available via "Publications" on the S&B WebSite, where the first specifics of the hearings will be announced: <http://www.commerce.state.wi.us/SB/>.

Safety and Buildings-related codes are on the Internet,

www.commerce.state.wi.us/SB/SB-CodesListing2000.html

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.

Copies of the **2000 International Codes** are available from:

- Building Officials and Code Administrators International, 800-214-4321, www.bocai.org/;
- International Conference of Building Officials, 888-699-0541, www.icbo.org/;
- Southern Building Code Conference International, 888-447-2224, www.sbcci.org/

An explanation of the submittal requirements for HVAC equipment replacement

by Randy Dahmen, S&B HVAC Consultant, 608-266-3162, rdahmen@commerce.state.wi.us

As of September 1, 2000, HVAC equipment replacement submission requirements were changed, along with the building/HVAC fee submission requirements.

The revised Comm 50, the administrative chapter of the Commercial Building Code, Comm 50-64, no longer requires submittal to the Safety and Buildings Division for review prior to installation “one-for-one” HVAC equipment replacements which are substantially similar in size.



Equipment “replacement” implies the removal of existing, and the installation of new heating, ventilating, or air conditioning equipment including, but not limited to,

furnaces, air-handling units, central air conditioners, boilers, and water heaters.

“Replacement” of equipment means no changes to existing ductwork or piping are permitted other than

those necessary to fit the new equipment to the existing system. If changes to the ductwork and piping go beyond this, HVAC alteration plans must be submitted in accordance with Comm 50.12.

“Replacement” does not include changing equipment sizes or capacities to accommodate building alterations or additions. When HVAC equipment sizes or output capacities are changed due to a building addition or alteration, HVAC alteration plans must be submitted in accordance with Comm 50.12.

“One-for-one” boiler replacements or refrigeration equipment replacements (50 ton and above) do not need to be submitted for review for compliance with Comm 50-64. However, all owners/designers are required to contact and notify the S&B Boiler and Pressure Vessel Inspection Unit of the change. Form SBD-6314 is required to be completed and submitted for boilers. Form SBD-34 is required for refrigeration units. The forms may be obtained free of charge by calling 608-266-1818.

Although submission to the state is not required, local ordinances may require HVAC equipment information to be submitted prior issuing HVAC permits. Any fees associated with local HVAC permits would be defined by the municipality issuing the permit.

A Summary of Fees and Submittal Requirements

Replacement of equipment (identical or closely similar in size): No state fee or submittal required. Boiler/refrigeration replacements need to be registered with the S&B Boiler and Pressure Vessel Inspection Unit.

Replacement of equipment (substantially smaller in size): Submittal required. “Substantially” means that the output of the new equipment is more than 15 percent less than the original equipment.

\$200 per piece of equipment. Submittal shall include: 1) A completed SBD-118 plan application form; 2) Appropriate fees; 3) At least four copies of a letter identifying the building by address, occupancy, and owner; identifying the name and address of the HVAC contractor or designer responsible for making the replacement; giving the make, model, and BTU output of the equipment being replaced; giving the make, model, and BTU output of the replacement equipment; Specifying

Employment Opportunity

Bureau of Field Operations Section Chief, Boilers and Elevators, Madison, Career Executive, Announcement 04880

Department of Commerce; Division of Safety and Buildings; Bureau of Field Operations. **Salary:** Start between \$44,791 and \$54,288 per year, plus excellent benefits. A one-year career executive trial period will be required. **Job Duties:** Manage a section comprised of professional technical staff in the elevator and boiler safety and inspection programs; develop and manage work plans, budgets, staff services, operating policies, staff assignment and activities; perform strategic planning for the section; resolve policy-related conflicts; participate in division-wide fiscal, budget, personnel, contract, program evaluation, and facilities management issues; represent the section on the division's management team; supervise staff and provide technical oversight of staff activities; implement statutory mandates, administrative policies, codes, code interpretations, program policies and practices; provide leadership to the section; act as a technical program expert to all staff in the division. **Well-Qualified Applicants:** Well-qualified applicants will have experience in elevator safety/inspection and boiler and pressure vessel safety/inspection; certification in the areas of elevator and boiler inspection; appropriate educational background and credentials, and management and technical work experience. **Knowledge and Skills Required:** Technical applications in the boiler safety and elevator safety fields; relevant codes, including Comm 18, 40, 41, 43, 45 and/or national codes equivalents; basic management and supervisory principles and practices; principles of technical engineering inspection processes, including engineering calculations and measurements; program and policy planning and development techniques; strategic planning process; principles relevant to fiscal control, budget management, personnel, contracting, and other general management functions; administrative rule enforcement procedures; code development process; oral and written communication skills. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), current resume, and brief paper describing in detail your qualifications for this position in the following specific areas: 1) Education, training and relevant credentials; 2) Technical program consultation, particularly the program areas specific to the position; 3) Staff supervision; 4) Program management (cite all specific areas of responsibility); 5) Knowledge of and/or experience working with relevant codes and regulations. Include employer names and employment dates for all information presented. Send application materials to Dale Bartz: Email: dbartz@commerce.state.wi.us; Department of Commerce Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970. Fax 608-266-0182. Telephone 608-266-0366. Application materials will be accepted until the needs of the department are met. To be included in the first review of applications, completed materials must be received by December 31, 2000.

UL, AGA, PFS or other recognized laboratory approval shall be specified; 4) Since the BTU output of the replacement equipment is substantially less than that of the equipment being replaced, HVAC heat loss calculations must be submitted proving the adequacy and code compliance of the smaller unit(s); 5) Since the replacement equipment has a BTU output substantially less than that of the equipment being replaced, and the building contains more than 50,000 cubic feet total volume, the letters and calculations must be signed, sealed, and dated by a Wisconsin registered architect, engineer, or HVAC designer. Boiler/refrigeration replacements need to be registered with the S&B Boiler and Pressure Vessel Inspection Unit.

Heating ONLY equipment is replaced with equipment capable of both heating and cooling: Submittal required. Fee based on area to be served by equipment, plus submittal fee. Boiler/refrigeration replacements are required to contact the S&B Boiler

and Pressure Vessel Inspection Unit.

Installation of stand alone equipment (fireplaces, range hoods, waste oil burners, etc.): Submittal required. \$200/piece of equipment, plus submittal fee.

In all cases involving new equipment, if the new equipment will require fire-rated isolation from the balance of the building where the old equipment did not, evidence of a rated enclosure must be submitted. Typical examples of this type of replacement include changing from electric to gas-fired, or from direct-vent sealed combustion chamber gas-fired to traditional gas-fired.

Evidence of rated enclosure consists of a letter from an architect, engineer, or certified commercial building inspector stating there is an existing rated room and giving the fire rating of that room in hours. If the room is not adequate, submission must include the building of a new rated room, per Comm 50.12.

Employment Opportunities

Private Sewage Plan Reviewer, Madison, Waukesha, or La Crosse, Announcement # 04338

Department of Commerce; Division of Safety and Buildings, Integrated Services Bureau. **Salary:** Start at \$36,650 per year plus excellent benefits. **Job Duties:** Examine Private Onsite Wastewater Treatment Systems (POWTS) designs, specifications, and calculations submitted by design professionals to determine compliance with state Uniform Plumbing Code. Determine compliance of proposed plans with administrative codes; apply engineering principles and practices to ensure adequate hydraulic and pneumatic balance within POWTS. Consult with design professionals to explain actions taken; respond to inquiries, suggest alternative design options; analyze petition for variance requests; prepare and present training related to POWTS design principles and practices. **Well-Qualified Applicants:** Well-qualified applicants will have certification as a POWTS Inspector AND Soil Tester and/or certification as a Designer of Plumbing Systems in Wisconsin or registration as a Professional Engineer. **Knowledge and Skills Required:** Knowledge of Wisconsin Uniform Plumbing Code; engineering principles related to hydraulics and pneumatics involved in the design of POWTS systems; materials and components involved in POWTS systems. Skills in oral and written communications. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), a current resume, and a brief description of your qualifications for this position in the following specific areas: 1) Licenses, registrations, credentials, educational degrees, etc.; 2) Experience reviewing/developing designs for POWTS; 3) Experience providing technical consultation regarding POWTS. Send application materials to: Dale Bartz; Department of Commerce; Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970. Fax 608-266-0182; Telephone 608-266-0366; Email dbartz@commerce.state.wi.us. Deadline: Application materials will be accepted until the needs of the department are met.

Bureau of Field Operations Section Chief, Fire Safety and Elevators, Madison, Career Executive, Announcement 04936

Department of Commerce; Division of Safety and Buildings; Bureau of Field Operations. **Salary:** Start at between \$44,791 and \$64,059 per year, plus excellent benefits, depending upon qualifications. A two-year career executive trial period will be required. **Job Duties:** Direct a section that is responsible for complex engineering and technical inspection, consultation, and auditing functions for fire safety and electrical engineering consultation, inspection, and enforcement programs. Supervise engineering and technical staff; develop and manage section budget; develop policies and operating procedures; plan and direct section staff services; provide technical consultation to staff; participate as a member of the division management team; contribute to strategic planning process; participate in development of methods pertaining to fiscal control, budget, personnel, planning, policy development, process re-engineering, and other management objectives. **Well-Qualified Applicants:** Well-qualified applicants will have a four-year degree in an ABET accredited fire engineering program; or civil/mechanical or electrical engineering degree AND significant coursework in fire protection/engineering; PE, EIT, certification as a licensed designer of fire protection systems; and will have a thorough knowledge of National Fire Protection Assoc. standards. This position requires substantial statewide travel and requires a valid Wisconsin driver's license. The ability to maneuver around construction sites is required, including climbing, bending, and stooping. The individual hired must become certified as a Commercial Building Inspector and Fire Inspector within one year from the date of hire. **Knowledge and Skills Required:** Knowledge of: general management principles; budget management principles; general supervisory principles and practices; NFPA codes; engineering principles, including fire engineering and electrical engineering; principles of fire protection services. **Application Information:** Apply with the Application for State Employment form (DER-MRS-38), a current resume, and a letter of interest limited to two typed pages detailing your education, training, credentials, and years of experience related to: 1) Technical knowledge of fire protection engineering and associated NFPA standards and state codes; 2) Supervision of engineering/technical staff (e.g. hiring, disciplining, training). Include type of staff supervised; 3) Program management, which may include: strategic planning, policy-making, goal-setting, budget and fiscal development, personnel management issues, management studies, activities planning, training assessment/implementation; staff development, etc.; 4) Fire protection-related services, such as fire-fighting, fire inspection/investigation, systems inspection / review, etc. Send application materials to: Dale Bartz; Email dbartz@commerce.state.wi.us; Department of Commerce; Bureau of Human Resources; 201 West Washington Avenue, 6th Floor; PO Box 7970; Madison, WI 53707-7970; Fax 608-266-0182; Telephone 608-266-0366. Deadline: Completed application materials must be received by December 31, 2000.

UDC Continuing Ed

Milwaukee Area Enforcement Inspectors (AFSME Local 2754) are organizing a set of UDC classes for 2001. Classes will be held on Wednesday evenings, beginning Jan. 17, from 5-7 p.m. at the Local's office at Ninth and Mitchell on Milwaukee's south side. The classes are open to all interested parties. For further information, contact Jon Lang, 414-286-2132, or Elvin Maher, 414-286-3166.

Clearing up transfer air between dwelling units

by John A. Spalding, Bureau of Integrated Services Commercial Buildings Section Chief

There seems to be some confusion about Comm 64.18(1)(c) and under what occupancies air may be transferred between dwelling units. The purpose of this article is to clarify the intent of the code, and to explain which occupancies allow air transfer between dwelling units.

Comm 64.18(1)(c): “Air shall not be transferred from one dwelling unit to another, except in buildings where tobacco smoking is controlled and restricted to designated areas and not allowed in dwelling units, and air is not transferred from designated smoking areas to dwelling units”

When this section was created, it was intended to be very restrictive in its application. The commentary to the



code states: “The exception allowing the transfer of air from one dwelling unit to another is for community-based residential facilities (CBRF’s), hospitals, and nursing homes where there is absolute control of tobacco smoke.”

Comments have been made to me about what “absolute control” means, ranging from placing “No-Smoking” signs, to having the owner or their representative on site at all times, to placing sensitive smoke detectors within the ducts.



Unfortunately, all of these methods are dependent on cooperation of tenants and facility management. After much discussion, therefore, it has been reconfirmed that the only method by which the code can ensure smoking will be controlled is to limit the occupancies which are covered by this section to:

- A. Facilities which have state of Wisconsin certified and/or registered personnel in the facility 24 hours a day, 7 days a week; and
- B. Facilities which are licensed, and therefore regulated, by the state of Wisconsin.

With these requirements in mind, only the following facilities may transfer air between dwelling units in accordance with Comm 64.18(1)(c):

- A. State-licensed community-based residential facilities within the scope of Comm 61 and Comm 57; and
- B. State-licensed hospitals and nursing homes within the scope of Comm 58.

Examples of occupancies which may not transfer air between dwelling units:

- A. Residential care assistance centers;
- B. Dormitories;
- C. Hotels and motels; or
- D. Any other multifamily dwelling unit within the scope of Comm 66 and Comm 57.

If you have questions as to the details of this code section, contact a commercial building plan reviewer listed on page 15 of this *WBCR*.

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 Super, Mary J., above
Manufactured Home Unit Super., Malini

Ganeshpillai, 608-266-5333

Shawano Office: Brad Johnson, 715-524-6853

Waukesha Office: Tony Rubio, 262-548-8610

Fire Protection Systems Plan Review Survey

S&B is surveying municipalities and fire departments to identify agencies that are currently performing plan review services for fire protection systems, including fire suppression systems and fire alarm systems.

The information will be used to identify potential partners who might want to become agents of S&B for purposes of fire protection system plan review.

It is our plan to send a copy of the new S&B fire protection system plan review standards to municipalities and fire departments that complete and return the form below. If the municipality or fire department believes they are qualified to follow the standard and conduct a plan review as specified in

the standard, then they will submit a no-cost application to become an agent of the department.

Any municipality or fire department that would like to be identified and considered for agent status should complete a photocopy of the form below and return it to S&B. If you are not currently providing fire protection system plan review now, do not submit the form. Mail the form to Clyde Bryant, Bureau of Integrated Services, PO Box 2658, Madison, WI 53701. For additional information you may contact S&B Fire Protection System Plan Reviewers Keith Glaunert 608-267-7395, kglaunert@commerce.state.wi.us, or Bill Sullivan, 608-266-9643, wsullivan@commerce.state.wi.us.

Please fill out and return the survey as soon as possible. Thank-you!

Name of municipality or fire department _____

Address _____

Currently reviewing plans for the following municipalities _____

County(ies) _____ Contact name _____

Phone _____ Fax _____ Email _____

Check which type of fire protection system plan review you are currently providing:

Fire Sprinkler Systems _____ Fire Alarm Systems _____ Special Hazards Systems _____

Code Interpretation

Code Section: ***Comm 51.25 Incorporation of Standards by Reference***

(3) ADOPTION OF STANDARDS. The standards referenced in Tables 51.25-1 to 51.25-21 are hereby incorporated by reference into this chapter.

Question: Upon adoption, must the standards being adopted be used in their entirety?

Answer: No. It is not the intent that by merely adopting a standard, the standard must be used in its entirety. The extent to which a standard is to be applied is addressed in the text of the code section that requires users of the code to utilize the standard. The intent explained within this interpretation is also stated in the note immediately following the subject administrative rule section. That note reads as follows: The tables in this section provide a comprehensive listing of all of the standards adopted by reference in this code. For requirements or limitations in how these standards are to be applied, refer to the code section that requires compliance with the standard.

By: James B. Smith, Safety and Buildings Division Commercial Buildings Program Manager,
608-266-0251, jsmith@commerce.state.wi.us.

Recommendation that smoke alarms be replaced after 10 years

By John Lippitt, S&B Fire Safety Program Manager

Questions and concerns recently have been raised and discussed nationally regarding the reliability of smoke alarms in existing buildings. Testing older smoke alarms indicated a high percentage of those appliances failed to meet performance requirements.

[Remember the definition of a “smoke detector” was revised to mean a device that detects visible or invisible particles of combustion. The customary appliance that both detected smoke and sounded the alarm is now defined as a “smoke alarm.” The definitions were changed nationally to reflect the terminology used internationally. An example of the global market in action!]

In an attempt to increase the reliability of smoke alarms, a requirement became part of the 1999 edition of NFPA 72, the National Fire Alarm Code. That 1999 version became effective in Wisconsin on April 1, 2000. NFPA 72:8-3.5 requires that, unless otherwise recommended by the manufacturer, smoke alarms installed in apartments and one- and two-family dwellings must be replaced when they fail to respond to maintenance tests, but shall not remain in service longer than 10 years from the date of installation.

The maintenance of fire alarm systems in commercial buildings, including multifamily dwellings, is regulated by Comm 51.245 (3), which specifies that all smoke alarms and system components shall be inspected, tested, and maintained in accordance with NFPA 72. The NFPA 72 code has not been adopted in our state Uniform Dwelling Code, so the new requirement does not apply to one- and two-

family dwellings in Wisconsin. So, at this time, multifamily buildings in Wisconsin are affected by the rule. I anticipate other occupancies with accommodations for sleeping will be added in future editions of NFPA 72.

Application of this requirement will be very difficult for code enforcement officials, as we are rarely invited to enter the interior of dwelling units in existing multifamily buildings. I anticipate we will be sharing information with the public indefinitely about smoke alarm replacement. Many apartment buildings throughout Wisconsin will be affected by this rule, because smoke alarms have been required in all apartments for much longer than 10 years.

Many fire departments have worked diligently within their territory to ensure that every dwelling unit has a working smoke detector. Now the focus must be expanded to include replacing existing smoke detectors with new smoke alarms. Even though the rules do not apply to one- and two-family dwellings, we know having working smoke alarms in homes is very important for the occupants’ safety. Every effort should be made to get the news out at the local level that older smoke detectors should be replaced with new smoke alarms where they have been in service for longer than 10 years. Additional information may be obtained by contacting one of the S&B fire protection system plan reviewers, Keith Glaunert 608-267-7395, kglauert@commerce.state.wi.us, or Bill Sullivan, 608-266-9643, bsullivan@commerce.state.wi.us.



Commercial lighting plan submittals reviewed

by Randy Dahmen, S&B Lighting Consultant, 608-266-3162, rdahmen@commerce.state.wi.us

What are the changes associated with commercial lighting plan submittals?

As of September 1, 2000, lighting plans associated with commercial buildings, previously sent to the Safety and Buildings Division for plan review, are no longer required to be submitted for review and approval prior to installation. The lighting plans are required to be properly prepared and available on request of state and local inspectors.

What lighting worksheets need to be prepared?

What needs to be prepared are lighting plans demonstrating compliance. This implies that the information previously sent to S&B for review and approval now still needs to be prepared, although it will not be reviewed. A reflective ceiling plan indicating the lighting layout, with no calculations, would NOT be adequate to demonstrate code compliance. The applicable information on the lighting worksheets L-1 through L-5 is required to be part of the lighting plan set. The designer may choose to develop a spreadsheet printout similar to the lighting worksheets. These designer-developed spreadsheets would also be acceptable as means to demonstrate compliance.

Will certified municipalities follow the S&B change for submittal?

Certified municipalities, as well as any other municipality, have the option to require properly

prepared lighting plans be made available to the local inspector at the job site. Municipalities may also choose to require review and approval of lighting plans at the local level prior to installation in the field, in accordance with local permitting ordinances. Owners, designers, and contractors should verify the local requirements prior to performing work.

Also, many municipalities manage their own community electrical utility. Because of this, some municipalities are choosing to maintain the requirement for lighting plan submittal and approval prior to installation in order to better anticipate energy use and utility needs.

Do the Chapter 63 lighting code requirements still have to be followed on commercial buildings?

Yes. All commercial code requirements must still be applied to all applicable commercial buildings, regardless of building size.

Are lighting plans required to be signed and sealed by a professional?

Yes. The requirements of Comm 50.07(2) still apply. If the building volume, (not just the volume of alteration or addition), is over 50,000 cubic feet, the lighting plans must bear the original wet stamp and signature of the professional who prepared them - professional engineers, registered architects, or registered electrical designers.

“I had commercial building plans approved by S&B prior to September 1, 2000, and have a conditional approval letter. The letter states that lighting plans are to be sent in for review and conditional approval prior to installation. Do I still have to send in the lighting plans for review?”

No. Lighting plans are no longer required to be submitted for S&B plan review. The lighting plans are required to be properly prepared and available to inspectors as indicated above.

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.”

Seminars on NFPA 30, Flammable and Combustible Liquids Code, 2000 Edition

March 13, 2001, Wausau

March 15, 2001, Madison

The seminar will provide for an update covering the major revisions to NFPA 30 from the 1996 edition to the 2000 edition. Included will be information about aboveground and underground storage tanks and the requirements for storage and isolation of flammable and combustible liquids in commercial buildings. The course instructor is Bob Bennedetti, National Fire Protection Association.

Admission is limited to Code Enforcers **ONLY**.

Approved for 7 hours con ed credit for commercial building inspectors and tank inspectors. Advance registration is required. The registration fee is \$50. per person, per session (Registration fee includes: 8-hour course; a copy of NFPA 30, the Flammable and Combustible Liquids Code; a course workbook, two breaks and lunch). Attendance is limited to the first 100 applicants. A confirmation notice and agenda will be sent prior to your seminar date.

Application

(Please check the location where you will attend). Seminars begin 8 a.m.

_____ March 13, 2001
Wausau

_____ March 15, 2001
Madison

REGISTRANT INFORMATION - Please complete all of the information

NAME _____
ADDRESS _____
DAYTIME TELEPHONE # _____
TYPE OF CODE ENFORCER _____
JURISDICTION _____

Total Fee Enclosed \$ _____
(Please make checks payable to Department of Commerce)

Send application and fee to: Yvonne Faga, Credentialing Unit, PO Box 1484, 201 W. Washington Avenue, Madison, WI 53704-7082

Questions regarding seminar content: call John Lippitt (608-266-1036)
Questions regarding registration: call Yvonne Faga (608-261-8470)
S&B Revenue Code 100-143-SBDV-323R-SG68-9200

Seminars on NFPA 72, National Fire Alarm Code, 1999 Edition

February 8, 2001, Wausau

February 6, 2001, Madison

Topics covered in the seminar: Choosing the Right Fire Alarm System for a Particular Occupancy; Choosing the Equipment for the Fire Alarm System; Developing Appropriate Specifications; Developing Appropriate System Design; Properly Installing the System; Properly Testing the System; Properly Maintaining the System; and Properly Using the System. The course instructor is Merton Bunker, National Fire Protection Association.

Admission is limited to Code Enforcers **ONLY**.

Approved for 7 hours con ed credit for commercial building inspector

Advance registration is required. The registration fee is \$50. per person, per session (Registration fee includes: 8-hour course; a copy of NFPA 72, The National Fire Alarm Code; a course workbook, two breaks and lunch). Attendance is limited to the first 100 applicants. A confirmation notice and agenda will be sent prior to your seminar date.

Application

(Please check the location where you will attend). Seminars begin 8 a.m.

_____ February 8, 2001
Wausau

_____ February 6, 2001
Madison

REGISTRANT INFORMATION - Please complete all of the information

NAME _____
ADDRESS _____
DAYTIME TELEPHONE # _____
TYPE OF CODE ENFORCER _____
JURISDICTION _____

Total Fee Enclosed \$ _____

(Please make checks payable to Department of Commerce)

Send application and fee to: Yvonne Faga, Credentialing Unit, PO Box 1484, 201 W. Washington Avenue, Madison, WI 53704-7082

Questions regarding seminar content: call John Lippitt (608-266-1036)
Questions regarding registration: call Yvonne Faga (608-261-8470)
S&B Revenue Code 100-143-SBDV-323R-SG68-9200

CERTIFIED MUNICIPALITIES

Per ILHR 50.21, the following municipalities are certified to review plans for new buildings containing less than 5,000 sq. ft. total area; additions to existing buildings where the total area after construction of the addition is less than 5,000 sq.ft.; and alterations to existing building where the area of altered space is less than 10,000 sq. ft. If your project is located in a listed municipality, and meets the size criteria, contact the municipality for plan review. For information regarding the current status of a municipality, call 608-267-7586, or check the S&B WebSite, <http://www.commerce.state.wi.us/SB/SB-CertifiedMunicipalities.html>.

<u>Counties</u>	Fond du Lac	New Berlin	Racine	Walworth
Eau Claire	Fontana	New Richmond	Rhineland	Waterford
	Fort Atkinson	N. Fond du Lac	Ripon	Waukesha
<u>Cities and Villages</u>	Franklin	Oak Creek	Seymour	Waunakee
Altoona	Fredonia	Oconomowoc	Sheboygan	Waupun
Antigo	Glendale	Osceola	Silver Lake	Wausau
Augusta	Grafton	Oshkosh	Sister Bay	Wauwatosa
Beloit	Green Bay	Osseo	Stevens Point	West Allis
Berlin	Greenfield	Paddock Lake	Sturgeon Bay	West Bend
Big Bend	Hartland	Pleasant Prairie	Sun Prairie	West Milwaukee
Black River Falls	Hortonville	Plover	Superior	Whitefish Bay
Brookfield	Howard	Port Edwards	Sussex	Wis. Rapids
Brownsville	Janesville*	Poynette	Twin Lakes	
Burlington	Jackson			
Cedarburg	Johnson Creek			
Cudahy	Kaukauna			
Delafield	Kenosha			
Dousman	La Crosse	<u>Towns (County)</u>	Farmington (Polk)	
Dresser	Lake Geneva	Berry (Dane)	Geneva (Walworth)	
East Troy	Madison*	Bloomfield (Walworth)	Grand Chute (Outagamie)	
Eau Claire	Marshfield	Bloomington (Dane)	Grand Rapids (Wood)	
Elkhorn	Mequon	Bristol (Kenosha)	Hull (Portage)	
Elm Grove	Middleton	Cottage Grove (Dane)	LaGrange (Walworth)	
Ephraim	Milwaukee*	Delavan (Walworth)	Linn (Walworth)	
Fall Creek	Monroe	Eagle (Waukesha)	Metomen (Fond du Lac)	
Fitchburg	Muskego		Mukwonago (Wauke.)	
			Norway (Racine)	
			Ottawa (Waukesha)	
			Plover (Portage)	
			Raymond (Racine)	
			Saukville (Ozaukee)	
			Seymour (Eau Claire)	
			Somers (Kenosha)	
			Springdale (Dane)	
			Spring Green (Sauk)	
			Sugar Creek (Walworth)	
			Theresa (Dodge)	
			Walworth (Walworth)	
			Waterford (Racine)	
			Waukesha (Waukesha)	
			Wheatland (Kenosha)	
			Windsor (Dane)	

Municipalities marked with an are authorized to review plans without limit on size of building or project.

There is also a group of municipalities having inspection authority for commercial and multifamily buildings, but which do not have plan review authority. (The Safety and Buildings Division does the plan review.)

Inspections Only

Village of Belgium (Ozaukee)	Town of Pleasant Springs (Dane)
Village of Cambridge (Dane)	Town of Rochester (Racine)
Town of Cedarburg (Ozaukee)	Village of Rochester (Racine)
Town of Fond du Lac (FdL)	City of So. Milwaukee (Milwaukee)
Town of Lyons (Walworth)	City of Sparta (Monroe)
Town of Madison (Dane)	Village of Sturtevant (Racine)
Town of Oakland (Jefferson)	Town of Summit (Waukesha)
Village of Oregon (Dane)	Village of Thiensville (Ozaukee)
	City of Watertown (Jefferson, Dodge)

Safety and Buildings Offices

(Maps of S&B office locations are available on the WebSite at <http://www.commerce.state.wi.us/SB/SB-Offices.html>)

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

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

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

Madison Office
201 W Washington Ave
PO 2658
Madison WI 53701
608-266-3151
Fax 877-840-9172
madisonsch@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

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

Fire Safety Consultants

John AndersenChippewa Falls 715-726-2556
Dave BruflatHayward 715-634-6739
Lyle SmithWaukesha 262-548-8621
Robert KiserAppleton 920-954-1451
Terry NolenVerona 608-845-5375
Dan Graham, Superv.Madison 608-266-0056

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

Specialty Telephone Contacts

Barrier Free AccessDonna Stilen262-548-8609
Codes Sales800-362-7253
Credentialing608-261-8500
ElevatorsBrian Rausch262-521-5444
Fire Protection Systems ..Keith Glaunert608-267-7935
Bill Sullivan608-266-9643
Heating and Ventilation ..Randy Dahmen608-266-3162
Hospitals & Nursing Homes, DHFS608-266-3878
Industrial HygienistsRichard Brandt262-521-5187
Tom Pritchett608-592-3974
LightingRandy Dahmen608-266-3162
Manufactured Dwellings Gary Ekes608-355-0108
Mobile/Manufactured Homes608-266-8577
Plan Review StatusS&B offices listed on this page
RefrigerationMike Verhagen262-548-8617
Soil Erosion ControlMary Jo Webster ..608-266-2128
Structural Steel Welding .Mike Verhagen262-548-8617
Swimming Pool Review Dan Jensen608-267-5265
Glen Schlueter608-267-1401
Uniform Dwelling Code ...Leroy Stublaski608-267-5113
Rental Weatherization...Delores Kolosovsky 608-267-2240
Teletypewriter (TTY)608-264-8777

Plumbing Plan Reviewers

Ryan Boebel.....Madison 608-261-6535
Herman Delfosse La Crosse 608-789-5535
Tom Devereaux..... Hayward 715-634-3026
Wes Grube Green Bay 920-492-5613
Dan Kraft Madison 608-266-8075
Ken Pertzborn Madison 608-267-2242
Curt Wendorff Shawano 715-526-9056

Plumbing Consultants

Tom Braun Stevens Point 715-345-5335
Don Hough Hayward 715-634-4804
Tim Joyce Madison 608-825-4724
Don Oremus Pelican Lake 715-487-6123
Robert Samuels Waukesha 414-548-8634
Jim Wehinger Friendship 608-339-7430
Jim Zickert Eldorado 920-872-2656
Harold Stanlick, Superv. Waukesha 262-521-5065

POWTS Wastewater Specialists

Ross Fugill Shawano 715-524-3629
Matthew Janzen Stevens Point 715-345-5336
Leroy Jansky Chippewa Falls 715-726-2544
Carl Lippert Hayward 715-634-3484
Karl Schultz..... Oshkosh 920-424-3311
Dennis Sorenson La Crosse 608-785-9336
Duane Steiner West Baraboo 608-355-3159
Allen Wendorf Madison 608-873-5476
Harold Stanlick, Superv. Waukesha 262-521-5065

The Department of Commerce does not discriminate on the basis of disability in the provision of services or in employment. If you need this printed material interpreted or in a different form, or if you need assistance in using this service, please contact us, 608-266-3151, TTY 608-264-8777.

Electrical Consultants

Monte EwingMadison 608-266-3064
 Tom GarveyMilwaukee 414-747-0256
 Raymond WeberWis. Rapids 715-421-2610
 Dan Graham, Superv.Madison 608-264-7624

Public Sector Occupational Safety Inspectors

Scott AmacherCameron 715-458-4872
 Terrence ClarkStevens Point 715-345-5342
 Tomothy CondonWaukesha 262-521-5189
 Manuel Juarez, Jr.Orfordville 608-879-2764
 Vernon LemkeGreen Bay 920-492-5615
 Shirley NoltemeyerWaukesha 608-849-9862
 David VriezenWaukesha 262-548-8602
 William Brann, Superv.Madison 608-261-2510

Boiler Inspectors

Duane LeetchCornell 715-239-6009
 James MarkiewiczAppleton 920-832-5287
 Rick MerkleKenosha 262-653-6880
 Steve SeibelFond Du Lac 920-929-7513
 Dean Yourchuck, JrMuscodia 608-929-4578
 Terry WaldbilligWaukesha 262-521-5066
 Harold Stanlick, Superv.Waukesha 262-521-5065

Commercial Building Inspectors

Leonard AlexanderReedsburg 608-524-3374
 John AndersonClintonville 715-823-2014
 David BibeauAntigo 715-627-7329
 Teresa BlackHayward 715-634-8114
 Nicholas CharlesChippewa Falls 715-726-2541
 John DahlMenomonie 715-232-6600
 Jane DragerCombined Locks 920-788-4616
 Steven GothardCottage Grove 608-839-9835
 Emil JensenGreen Bay 920-822-2915
 Chris LusterPrairie du Chien 608-326-6779
 Veronica MillerWaukesha 262-521-5067
 John NygardGreen Bay 920-434-7192
 Peter OchsFond Du Lac 920-929-3167
 Charlotte MartinEdgerton 608-884-4168
 Sam SolbergStevens Point 715-345-5226
 Lawrence WeedeLake Geneva 262-248-4922
 Betty WieseMilwaukee 414-228-6956
 Mark Stevenson, Superv. Green Bay 920-492-5611

The *WBCR* is a monthly publication of the Safety and Buildings Division, Wisconsin Department of Commerce. It is delivered to about 4300 frequent plan submitters, inspectors, fire chiefs, and fire sprinkler credential holders. Subscriptions are also available (see page 2). The publication provides information on fire safety, building-related codes, and licensing topics. SBD8482P

Sample S&B email address:

tdevereaux@commerce.state.wi.us

Elevator Inspectors

David HolmesEau Claire 715-836-7268
 Kenton JohnsonMount Horeb 608-437-4093
 Jim KreuzerTomah 608-374-2430
 Timothy MartyAppleton 920-832-5290
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