

DIVISION OF BUILDING SAFETY
IDAHO PLUMBING BOARD
VIDEOCONFERENCE MEETING

MAY 12, 2011



IDAHO PLUMBING BOARD

Agenda Item No. 01

Agenda

OBJECTIVE: To approve the May 12, 2011 Idaho Plumbing Board Meeting Agenda.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: May 12, 2011 Idaho Plumbing Board "tentative" Agenda



TENTATIVE AGENDA

NOTICE OF PUBLIC MEETING

**IDAHO PLUMBING BOARD
VIDEOCONFERENCE MEETING**

**Division of Building Safety
1090 East Watertower Street, Suite 150, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho
2055 Garrett Way, Building 2, Suite 7, Pocatello, Idaho
dbs.idaho.gov – (208) 332-7137**

***Thursday, May 12, 2011
9:30 a.m. – 3:00 p.m. (MT)***

(Note: Meeting Commences at 8:30 a.m. PT)

- 9:30 a.m. CALL TO ORDER** – Milford Terrell, Chairman
- Roll Call & Introductions
 - Open Forum

CONSENT AGENDA

1. Approval of the May 12, 2011 Agenda
2. Approval of the February 10, 2011 Board Meeting Minutes
3. Approval of the February 18, 2011 Special Board Meeting Minutes
4. Approval of the March 2, 2011 Special Board Meeting Minutes

ACTION AGENDA

5. **Criteria for Continuing Education Provider – John Nielsen**

INFORMATIONAL AGENDA

6. Pre-Apprenticeship Course – Rosie Rosco
7. AQUUS – Mark Sanders and Dave Poe
8. Aquatherm – Jim Paschal
9. SureSeal Inline Floor Drain Trap Sealer – Donald Huber
10. Schooling Update – Irene Vogel
11. Appliance Specialty License (Water Softener Installers) Subcommittee Report – Matt Gardner

12. Exam Development Subcommittee Report – Gordon Smythe
13. Testing Upon Completion of Apprenticeship Schooling – Gordon Smythe
14. Adoption of the 2010 Green Plumbing and Mechanical Code Supplement – John Nielsen
15. Plumbing Contractors Renting Their Licenses – John Nielsen
16. Out-of-State Journeyman or Master Plumber Registration – John Nielsen
17. 2009 Uniform Solar Energy Code – John Nielsen

12:00 p.m. - LUNCH BREAK *(If needed)*

1:00 p.m.

18. Plumbing Program Manager Report – John Nielsen
19. Operational Report – Steve Keys
20. Administrator Report
 - a. CAS Update – C. Kelly Pearce and Janice Foster
 - b. Financial Report – C. Kelly Pearce and Kirk Weiskircher
 - c. Administrator – C. Kelly Pearce

OLD/NEW BUSINESS

EXECUTIVE SESSION (If required)

3:00 p.m. ADJOURN

All times, other than beginning, are approximate and are scheduled according to Mountain Time (MT), unless otherwise noted. Agenda items may shift depending on Board preference. 04/14/11r

IDAHO PLUMBING BOARD

Agenda Item No. 02

Minutes

OBJECTIVE: To approve the minutes from the February 10, 2011 Idaho Plumbing Board Meeting.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: February 10, 2011 Idaho Plumbing Board Meeting draft Minutes



IDAHO PLUMBING BOARD VIDEOCONFERENCE MEETING

Thursday – February 10, 2011 – 9:30 a.m. (MT)

Division of Building Safety
1090 East Watertower Street, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d'Alene, Idaho
2055 Garrett Way, Building 2, Suite 7, Pocatello, Idaho

*DRAFT MINUTES OF THE FEBRUARY 10, 2011 MEETING

NOTE: The following report is not intended to be a verbatim transcript of the discussions at the meeting, but is intended to record the significant features of those discussions.

Chairman Milford Terrell called the meeting to order at 9:02 a.m. (MT).

Board Members Present:

Milford Terrell, Chairman
Dan Long
Gordon Smythe
Matt Gardner

DBS Staff Members Present:

C. Kelly Pearce, Administrator
Steve Keys, Deputy Administrator, Operations
Patrick Grace, Deputy Attorney General
Kirk Weiskircher, Financial Manager
John Nielsen, Plumbing Program Manager
Chris Jensen, Regional Manager, Eastern Idaho
Rod Freligh, Plumbing/HVAC Supervisor, Northern Idaho
Renee Bryant, Administrative Assistant 2/Board Secretary

◆ Open Forum

AQUS – A handout on the product AQUS, a small scale water reuse system for flushing a toilet, and IAPMO's Certificate of Listing on reclaimed water conservation system for flushing toilets was distributed.

Upon the introduction and explanation of the benefits of AQUS, Mark Sanders with Sloan Values Company asked for the Board's support in seeking a variance in the code.

The Open Forum section of the agenda is informational only. Milford Terrell suggested Mr. Sanders have the item placed on the May 2011 Board meeting agenda for further discussion.

ACTION: The item "AQUS" to be placed on the May 12, 2011 Board meeting agenda.

Unlicensed Advertising – Kenny Calkins, Cloverdale Plumbing, asked the status of the legislation that clarifies who has the authority to advertise as plumbing contractors. This topic was addressed under the "Operational Report".

Code Adoption – Pete Crow, IAPMO, stated his opinion on the outcome of the February 9, 2011 House Business Committee meeting in which H0075, proposed rule to adopt the new Idaho State Plumbing Code (ISPC), was tabled.

Pre-Apprenticeship Course – Rosie Rosco, CWI, explained in the fall of 2011 CWI will offer a Pre-Apprenticeship course. This will allow individuals unsure of the trade they wish to pursue,

electrical, HVAC or plumbing, an opportunity to learn the basics of the construction trade. The course will be held two nights a week for one semester, and will cover the following topics: construction math, safety, blueprint reading, hand and power tools, communication, and job readiness skills. There will also be an introduction into “green” environment.

At the request of Milford Terrell, Rosie Rosco was asked to bring an outline of the class to the May 12, 2011 meeting for the Board’s review and possible support.

ACTION: The item “Pre-Apprenticeship Class” to be placed on the May 12, 2011 agenda as an informational item.

ACTION: Rosie Rosco will supply an outline of the proposed Pre-Apprenticeship class to the Board.

Compliance Officers – Howard Lowe, City of Lewiston, inquired into the status of future compliance officers in north Idaho to assist inspectors with enforcing/regulating the non-licensed individuals/companies in that area. This topic was addressed under the “Administrator Report”.

Code Enforcement--2003 or 2009 – In light of H0075 not approved by the House Business Committee on February 9th, Howard Lowe inquired as to which code, 2003 or 2009, the Board would adopt for the state/cities/counties to implement. Milford Terrell stated the topic would be addressed under the “Legislative Report”.

Practical Exam – Peggy Schnell, North Idaho College, stated NIC now offers practical exams at the Workforce Training Center.

◆ **Approval of February 10, 2011 Agenda**

MOTION: Dan Long made a motion to approve the February 10, 2011 Agenda as presented. Gordon Smythe seconded. All in favor, motion carried.

◆ **Approval of October 7, 2010 Board Meeting Minutes**

MOTION: Gordon Smythe made a motion to approve the October 7, 2010 Board Meeting Minutes as printed. Dan Long seconded. All in favor, motion carried.

◆ **Criteria for Continuing Education Providers**

The Continuing Education Unit (CEU) is currently in rule; however, criteria for CEU providers and courses have not been established. Upon reviewing the Electrical rules, DBS created criteria on course requirements, instructor approval procedures, etc. For quality assurance, fees have been incorporated into the proposal for instructor and course applications.

Milford Terrell expressed concern there should be uniformity among the Boards in regards to fees. The Division was directed to put together a presentation, to include the justification of the costs, and provide two motions for the Board’s review and consideration at the May 2011 Board meeting. The two motions would consist of: 1. All Boards must agree to adopt the fees; however, should one Board decline, the motion would become null and void for all Boards. 2. A Board could choose to accept the fee for their industry only; even should other Boards choose not to adopt the fee.

ACTION: For the May 2011 Board meeting, the Division will present to the Board justification of the fees to approve instructor and course applications.

ACTION: Two motions will be brought to the May 2011 meeting for the Board to choose from in regards to the fees for the Division to review and approve instructor and course applications.

◆ **Schooling**

Professional-Technical Education (PTE) represents the following six technical colleges: North Idaho College, Lewis Clark State College, Idaho State University College of Technology, College of Southern Idaho, College of Western Idaho, and Eastern Idaho Technical College.

In the summer of 2010, school representatives met to develop a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

The term “curriculum” is defined as course outline and competencies. The goal is to achieve the same skill level upon completion of course work by teaching the same competencies.

Online courses are being developed by each technical college. There are no geographic boundaries for the delivery of online courses; therefore, a technical college cannot actively recruit outside its region.

Irene Vogel is in the process of creating a committee, comprised of individuals from the technical college system, proprietary institutions, industry, and division, to review the current curriculum outlines and competencies.

◆ **Appliance Specialty License (Water Softener Installers) Subcommittee Report**

It has been several months since the subcommittee met with DBS to discuss the creation of a specialty license for water softener installers.

Blake Jones, President of the Idaho Water Quality Association, stated in November 2010 the Association met and discussed the possibility of a water softener installer license. The members unanimously voted their desire to work with the subcommittee and the Idaho Plumbing Board to establish an acceptable licensing program that would work for all parties involved. There is an assortment of Association members willing to work with the subcommittee on this topic.

◆ **Exam Development Subcommittee Report**

The subcommittee met in November 2010 and January 2011. The proposed Idaho State Plumbing Code (ISPC) was reviewed and each chapter was assigned a number of questions in accordance to the importance of the chapter. IAPMO provided the subcommittee with the 2009 UPC Study Guide. The subcommittee is in the process of rating, on a scale of one to ten, each question in each chapter. The rating is based on the number of individuals each subcommittee member believes can properly answer the question.

All subcommittee meetings are open meetings. The next scheduled subcommittee meeting will be held via videoconference on Tuesday, March 8th at 1:00 p.m. (MT)/12:00 p.m. (PT).

◆ **Proposed ISPC Rule**

On February 9, 2011, legislation on the proposed ISPC was heard before and tabled at the House Business Committee. Until there is a resolution on H0075, it is not feasible to consider the adoption of the proposed ISPC in rule.

Milford Terrell tabled this topic “Proposed ISPC Rule” for a future emergency meeting.

ACTION: This topic “Proposed ISPC Rule” will be addressed at a future emergency meeting.

◆ **Waterless Urinals (Revisit Installation Standards)**

As requested at the October 2010 Idaho Plumbing Board meeting, John Nielsen and Milford Terrell met with BSU representatives to inspect approximately 35 waterless urinals installed in one location at Bronco Stadium. There was no smell to the bathroom or sewer line, and upon further inspection of the three-year system, the line and pipes were clean and clear. It is believed attaching one water fixture to the end of the line, the water will wash down and clean the main line.

Milford Terrell requested DBS coordinate with Dan Long to examine the waterless urinals at Bogus Basin this summer.

ACTION: This summer, DBS staff will schedule with Dan Long and Bogus Basin representatives a time to examine the waterless urinals at Bogus Basin.

The maintenance procedures on waterless urinals were briefly discussed. Upon receiving a report on the waterless urinals at Bogus Basin, the Board will decide whether a water fixture should be connected to the line waterless urinals are tied into and used as a “wash down”.

◆ **Work Permits**

This has been an ongoing issue where out-of-state plumbers are working in Idaho without the required or proper licensure. As requested at the October 2010 Board meeting, a revised draft to IDAPA 07.02.05 “Rules Governing Plumbing Safety Licensing” was presented to the Board. Within the proposal an applicant who has been previously licensed as a journeyman or master plumber in another recognized jurisdiction shall not be issued a plumbing apprentice registration. Also, the proposal would allow an individual to work up to 60 days in Idaho while obtaining the proper licensure.

John Nielsen explained the process in which to acquire a license in the state of Idaho. A lengthy discussion, to include reciprocity agreements and UPC versus IPC states, ensued. Several board members expressed the 60-day timeframe was too lengthy, and licenses should be obtained prior to the work commencing in Idaho.

ACTION: The Division will provide a new draft proposal on this topic “Work Permits” at the May 2011 Board meeting.

◆ **Water Softener Loop**

The requirements for water softener loops have been incorporated in the proposed ISPC, which is currently in legislation under H0075. As stated by Milford Terrell, an emergency board meeting will be scheduled to allow all interested parties an opportunity to discuss water treatments and the current code as proposed in H0075.

ACTION: This topic, “Water Softener Loop”, to be added to the agenda for a future emergency board meeting.

◆ **Grease Trap Law**

At the request of Matt Gardner at the October 2010 Board meeting, John Nielsen researched the procedure in which to properly install grease traps, and who has the authority to dictate rules on the traps. A grease interceptor installation and cleaning instructions guide was distributed to the Board for review.

The State uses the code as a minimum standard for installation; however, local jurisdictions, through ordinances, have the ability to create stricter laws. The health departments in each region dictate what a food prep sink is versus a dishwashing sink.

◆ **Plumbing Program Manager Report**

John Nielsen suggested, and the Board agreed, future Plumbing Program Manager Reports will consist of ideas, suggestions, changes to codes and statutes, etc., that pertain to the Plumbing industry. Upon approval of the Board, the items will be placed on the next regularly scheduled board meeting agenda as an informational item.

The following items were presented and approved by the Board to be placed on the May 12, 2011 Idaho Plumbing Board Meeting Agenda as informational items:

- 2010 Green Plumbing and Mechanical Code Supplement – To consider the adoption of the 2011 Green Plumbing and Mechanical Code Supplement.
- Plumbing Contractors Renting Their Licenses – John Nielsen has received numerous calls from contractors wondering what, if any, the Division plans to do about Plumbing contractors renting out their licenses.

ACTION: The topics “2010 Green Plumbing and Mechanical Code Supplement” and “Plumbing Contractors Renting Their Licenses” to be placed as informational items on the May 12, 2011 Idaho Plumbing Board Meeting Agenda.

The following item was brought before the Board for future consideration:

- 54-2608 “Revocation of Certificates of Competency—Suspension--Refusal to Renew” – Currently, the Division is unable to enforce penalties on a plumbing contractor unless the holder is shown to be grossly incompetent or has, for a second time, violated any of the rules prescribed by the Board.

The board members were polled, ending in a tie. When there is a tie, the motion/topic fails. Therefore, this topic will not be addressed at the May 2011 Board meeting.

February 18th Special Meeting – To specifically address H0075, a special Idaho Plumbing Board meeting will be held Friday, February 18th, via videoconference at the Division’s three offices. The meeting will commence at 9:30 a.m. (MT)/8:30 a.m. (PT).

At the direction of Chairman Terrell, letters of invitation will be sent to all parties involved, to include the chairman and members of the House Business Committee. Kelly Pearce asked Jimmie Brown, City of Nampa, to provide the Division with a list of individuals that wish to be invited to the meeting. Mr. Brown acknowledged he would forward the request to IDABO and AIC.

Audio-streaming will be provided through the Division's website for anyone unable to physically attend the meeting. Also, all supporting documentation, pros and cons, will be available on the Division's website.

ACTION: A special Idaho Plumbing Board meeting, to address H0075, will be held Friday, February 18th from 9:30 a.m. (MT)/8:30 a.m. (PT) to 12:00 p.m. (MT)/11:00 a.m. (PT) via videoconference at the Division's three offices.

◆ **Operational Report**

Advertising Restrictions – In 2010 the Board promulgated a rule that restricts advertising to perform plumbing work to licensed plumbing contractors only. The Division investigates complaints; however, if the only basis for the complaint is a *Craig's List* ad or something similar, the Division has no means in which to determine who actually placed the ad.

Legislative Update – DBS rules, including the plumbing journeyman practical exam requirements, have cleared the committees. The rules should be effective upon the adjournment of the legislature.

The DBS legislation, except those bills directly affecting local governments, is moving forward.

Revenue – The Division, especially the Plumbing program, continue to deal with declined revenues. For the last two months revenues from the HVAC program have exceeded those from the Plumbing program.

Down-sizing – The management team is working hard to develop workable proposals for right-sizing staff; especially field staff and the establishment of proper locations for inspectors to perform their tasks.

Legislative Preparedness – Steve Keys suggested anytime DBS has a rule or a piece of legislation that will go before a committee for review, documentation to include background, history, individuals involved in the process, promulgation, etc., should be furnished to each committee member.

◆ **Administrator Report**

Website – A new website developed for the Division was launched in December 2010. It provides clearer links to the services the Division provides online. Janice Foster presented a brief overview of its functions.

CAS – As of December 2010, 55% of permits are purchased online.

Electronic Telephone/Fax System – The Division has upgraded its telephone/fax system to an automated call distribution center. The Division's three offices are connected to this system and staff is able to work amongst themselves.

Customer Resource Team (CRT) – Since 2008, the CRT staff has been reduced by 40%. Much of the reduction has been possible due to changes made by DBS in technology. In addition, the CRT team has taken on two additional programs previously managed in other areas of the Division.

Building Remodel/Rental – The Department of Labor (DOL) will sublease from DBS 43% of the Meridian office. The initial cost of the reconstruction was paid by DBS. Kirk Weiskircher explained the method in which the DOL will pay back their portion of the remodel. Over the next ten years, the Division anticipates a savings of \$1.5 million in rent.

Milford Terrell asked the Division to provide to the Board at the May 2011 Board meeting a breakdown of the costs to remodel/rent the Meridian office.

ACTION: For the May 2011 Board meeting, DBS will provide to the Board an itemization on the costs of the remodel and rent on the DBS Meridian office.

Personnel – In 2007, the DBS was authorized 152 full-time positions. As of today, there are 118 full-time employees. Additional layoffs will be required.

Program Manager Positions – With the restructure of the Division, four newly created Program Manager positions replaced the five recently eliminated Bureau Chief positions. Kelly Pearce explained the responsibilities of the program managers.

Videoconference – The Division now has the capability to offer, on a statewide basis, various types of training to DBS inspectors via videoconference.

Budget – The budget the Division operates within was explained by Kelly Pearce. Upon comparison of the FY 2010 appropriation to the estimated expenditure, there is a decrease of 21.7%.

Compliance – There continues to be a growing problem throughout the state of Idaho in which a large number of contractors are working in Idaho without proper licensure. “Handyman” is another type of non-licensed worker that has recently become very visible. These individuals are advertising their electrical, HVAC, and plumbing services through websites, *Thrifty Nickel*, etc.

The Division continues to discuss the implementation of a statewide compliance program; leveraging the experience and training of all personnel.

Financial Report – Kirk Weiskircher reviewed the Idaho Plumbing Board Fund Fiscal Year 2011 Financial Statements as of December 31, 2010.

Contract with Office of Energy – The Division has created a contract for \$350,000 through the Office of Energy. With the funds, the Division will create a statewide tracking system for energy resource activities.

HVAC Program Manager Jerry Peterson generated three or four grants through the Office of Energy and other energy resource programs to train DBS inspectors in energy areas, with a heavy emphasis on HVAC.

City of Ketchum Contract – The Division has signed a contract with the city of Ketchum to undertake the building inspection duties. DBS has also regained the HVAC inspection responsibilities, which the city had been doing for the past 18 months.

Contracts with Idaho Tribes – The Division has contracted with the Coeur d’Alene Tribe to perform plan reviews and inspections on the following projects: multi-million dollar casino, Worley; transportation center to house busses, Coeur d’Alene; and medical facility, Coeur d’Alene.

There is discussion with other tribes for the Division to provide the same services currently afforded the Coeur d’Alene Tribe.

AREVA Project – Groundbreaking on the AREVA facility in Idaho Falls will begin in the spring. The Division will provide the plumbing, electrical, and HVAC inspections. Approximately 150 employees will be hired upon completion of the job.

Poultry Plant – The construction of a poultry plant, to be built inside the city limits of Burley, is expected to begin in the spring of 2011.

◆ **New/Old Business**

Chairman Voting – For clarification, the Chairman is a member of the Board and has the *right* to vote like any other member, and is permitted to do so if he/she finds it necessary.

February 18, 2011 Special Idaho Plumbing Board Meeting – For clarification, the meeting will be held specifically to address H0075, adoption of the 2009 Idaho State Plumbing Code (ISPC).

Chairman Terrell requested the Plumbing board members attend the meeting in person at the Division’s Meridian office.

◆ **Executive Session**

No Executive Session was required.

Chairman Terrell adjourned the meeting at 1:40 p.m. (MT)

MILFORD TERRELL, CHAIRMAN
IDAHO PLUMBING BOARD

C. KELLY PEARCE, ADMINISTRATOR
DIVISION OF BUILDING SAFETY

DATE

DATE

* These DRAFT minutes are subject to possible correction and final approval by the Idaho Plumbing Board. 04/22/11rb

IDAHO PLUMBING BOARD

Agenda Item No. 03

Minutes

OBJECTIVE: Approve the February 18, 2011 Idaho Plumbing Board Special Meeting Minutes

ACTION: Consent

BACKGROUND:

PROCEDURAL HISTORY:

ATTACHMENTS: Draft Minutes - February 18, 2011 Idaho Plumbing Board Special Meeting



IDAHO PLUMBING BOARD
“SPECIAL” VIDEOCONFERENCE MEETING

Friday – February 18, 2011 – 9:30 a.m. (MT)

Division of Building Safety
1090 East Watertower Street, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d’Alene, Idaho
2055 Garrett Way, Building 2, Suite 7, Pocatello, Idaho

*NOTE: The following report is not intended to be a verbatim transcript of the discussions at the meeting,
but is intended to record the significant features of those discussions.*

Chairman Milford Terrell called the meeting to order at 9:38 a.m. (MT)

Board Members Present:

Milford Terrell, Chairman
Dan Long
Gordon Smythe
Matt Gardner

DBS Staff Members Present:

C. Kelly Pearce, Administrator
Steve Keys, Deputy Administrator, Operations
Patrick Grace, Deputy Attorney General
Renee Bryant, Administrative Assistant 2/Board Secretary

Chairman Milford Terrell presented an opening statement. The Board’s goal for the meeting was to meet the charge given by the House Business Committee on February 9th, which was for the Board and the opponents of HB0075 to work out their differences and find a solution in regards to the Idaho State Plumbing Code (ISPC) incorporated into the Bill.

Representatives Gayle Batt, Brent Crane, and Joe Palmer, House Business Committee members, and Ann Beebe from the Governor’s office were introduced and welcomed to the meeting.

Kraig Stevenson, International Code Council (ICC); Jimmie Brown, city of Nampa; Carol Alexander, city of Moscow and Idaho Association of Building Officials (IDABO); Sharon Hammer, city of Sun Valley; Eric Adams, city of Sun Valley; and Jenifer Gilliland, city of Boise, spoke in opposition to the Bill.

The following objections were expressed by opponents through written correspondence and/or oral testimony: Perceived lack of vocal control; potential for unfunded mandates; need for an Idaho specific plumbing code instead of a model code; the costs of developing, distributing, and administering an ISPC; the Plumbing Board’s authority to supersede local jurisdictions ability to adopt codes; constitution of the Plumbing Board; inadequate notice for input; and the requirement of water softener loops in all new residential construction

As an intermediary, Representative Crane suggested, and highly recommended, language be incorporated into the bill whereby a state plumbing code would be created; however, the interpretation of the code would be left to the local authority having jurisdiction.

IAPMO will be the publisher of the Code for the state of Idaho if and when it is adopted by the Legislature. For a minimal fee, the Code will be available for purchase in a hard copy or electronic compact disk (CD). There will be free online access to the Code through the Division of Building Safety’s website.

Chris Jensen, spokesperson-elect for attendees at the Division's Pocatello office; Lynn Triplett, Local 296 S.W. Idaho; Kenny Calkins, Cloverdale Plumbing and Treasure Valley Master Plumbers Association (TVMPA); Lee Rice, Independent; and Pete Crow, International Association of Plumbing and Mechanical Officials (IAPMO), spoke in support of the Bill.

The Board offered, and the following individuals accepted an opportunity for rebuttal: Jimmie Brown, city of Nampa; Kraig Stevenson, ICC; Sharon Hammer, city of Sun Valley; Eric Adams, city of Sun Valley; and Carol Alexander, city of Moscow and IDABO.

Mr. Stevenson requested, and the Board agreed, for the DBS to extend/identify to ICC the items from the International Plumbing Code (IPC) that will be incorporated into the proposed ISPC. The Board also agreed to allow ICC an opportunity, at a future Board meeting, to present an operational service agreement for possible consideration.

ACTION: The Division will supply ICC with a list of identifying items from the IPC that will be incorporated into the proposed ISPC.

ACTION: At a future meeting, ICC will present a service agreement to the Board for its review and consideration.

MOTION: Milford Terrell made a motion that the Plumbing Board return to the House Business Committee with a proposal to amend HB0075 as follows: 1. Adopt the Idaho State Plumbing Code (ISPC) as the plumbing code applicable to all jurisdictions in Idaho with the specific authority for cities to address local concerns via negotiated rulemaking; and, 2. Amend the provisions of the ISPC to only require water softener loops in residence built slab-on-grade or finished basements. An attachment to the amendments will include a letter from IAPMO guaranteeing the following purchase prices for the ISPC: Hardcopies - \$112.00 for members, \$140.00 for non-members; and CDs - \$63.84 for members, \$79.80 for non-members. Dan Long seconded. All in favor, the motion unanimously passed.

Chairman Terrell adjourned the meeting at 12:12 p.m.

MILFORD TERRELL, CHAIRMAN
IDAHO PLUMBING BOARD

C. KELLY PEARCE, ADMINISTRATOR
DIVISION OF BUILDING SAFETY

DATE

DATE

03/07/11r

IDAHO PLUMBING BOARD

Agenda Item No. 04

Minutes

OBJECTIVE: To approve the minutes from the March 2, 2011 Idaho Plumbing Board Special Meeting.

ACTION: Consent

BACKGROUND:

**PROCEDURAL
HISTORY:**

ATTACHMENTS: Draft Minutes – March 2, 2011 Idaho Plumbing Board Special Meeting



**IDAHO PLUMBING BOARD
“SPECIAL” VIDEOCONFERENCE MEETING**

Wednesday – March 2, 2011 – 10:00 a.m. (MT)

**Division of Building Safety
1090 East Watertower Street, Meridian, Idaho
1250 Ironwood Drive, Suite 220, Coeur d’Alene, Idaho
2055 Garrett Way, Building 2, Suite 7, Pocatello, Idaho**

***DRAFT MINUTES OF THE MARCH 2, 2011 MEETING**

*NOTE: The following report is not intended to be a verbatim transcript of the discussions at the meeting,
but is intended to record the significant features of those discussions.*

Chairman Milford Terrell called the meeting to order at 10:04 a.m. (MT)

Board Members Present:

Milford Terrell, Chairman
Dan Long
Gordon Smythe
Matt Gardner

DBS Staff Members Present:

C. Kelly Pearce, Administrator
Steve Keys, Deputy Administrator, Operations
Patrick Grace, Deputy Attorney General
Renee Bryant, Administrative Assistant 2/Board Secretary

An opening statement was made by Chairman Milford Terrell. The Plumbing Board’s goal for today’s special meeting was to review and consider, as requested by the Board’s final decision and motion made at the February 18th special meeting, the following amendments to HB0075:

- Proposed amendment to Idaho Code 54-2601, which is a statute being amended by HB0075.
- Proposed amendments to the Idaho State Plumbing Code (ISPC), which help clarify the separate jurisdictions of the state and the cities, as well as amendment to the section of the code addressing water softener loops.

A new statement of purpose and fiscal impact for the legislative committee, in the event it is needed, and a letter from the International Association of Plumbing and Mechanical Officials (IAPMO) reconfirming the price of the new ISPC and the availability of the code online at no charge, were also given to the Board for review.

Prior to the commencement of the meeting, a representative for the city of Sun Valley requested to speak before the Board in opposition to the amendment. Chairman Terrell explained the open meeting law process, and then gave the Board an opportunity to make a motion to allow the individual to speak. Hearing no motion, the request was denied and the agenda stood as written.

There was no further discussion from the Board.

MOTION: Dan Long made a motion that the Board return HB0075 as amended and reflected in the materials before us today to the legislature with a recommendation for adoption with the inclusion of the two (2) additional amendments to: 1. Change the amount of days of notice for the hearings at which the Board may amend the code to thirty (30) days; and, 2. Reduce the number of public hearings a city must hold to adopt amendments to the code which have not been adopted by the Board to one (1) hearing. Gordon Smythe seconded. The Board was polled. Gordon Smythe-Aye, Matt Gardner-Aye, Dan Long-Aye, and Milford Terrell-Aye. All in favor, motion carried.

Chairman Terrell adjourned the meeting at 10:13 a.m. (MT)

MILFORD TERRELL, CHAIRMAN
IDAHO PLUMBING BOARD

C. KELLY PEARCE, ADMINISTRATOR
DIVISION OF BUILDING SAFETY

DATE

DATE

* These DRAFT minutes are subject to possible correction and final approval by the Idaho Plumbing Board. 03/07/11r

IDAHO PLUMBING BOARD

Agenda Item No. 05 Criteria for Continuing Education Providers

OBJECTIVE: To determine the criteria continuing education providers should abide by.

ACTION: To vote on proposed IDAPA rule concerning CEU program providers.

BACKGROUND: At the May 13, 2010 Board meeting, it was suggested the Board consider setting approval standards for continuing education providers.

A draft proposal elaborating on criteria was presented to the Board at the July 2010 meeting. Dan Long made a motion to authorize staff to propose legislation on behalf of the Board to implement continuing education requirements and fees.

Once criteria is in place and the continuing education established, the Board will re-evaluate and consider increasing the standards.

PROCEDURAL HISTORY:

ATTACHMENTS: Proposed change to IDAPA 07.02.05.016c



IDAPA 07.02.05.016

c. Continuing Education. The Idaho Plumbing Board has established criteria for approval of instruction and instructors and courses and instructors will be approved by the Plumbing Bureau. Proof of completion of the following continuing education requirements must be submitted to the Plumbing Bureau prior to, or with the application for, licensure renewal by any licensee in order to renew a journeyman or contractors plumbing license.

i. Journeymen must complete eight (8) hours of continuing education for every three-year license cycle, or complete an exam administered by the Division. Of the required eight (8) hours, four (4) hours must be plumbing code update related and the other four (4) hours may be industry related training.

(3-29-10)

ii. Contractors must complete sixteen (16) hours of continuing education for every three-year license cycle. Hours accrued obtaining journeyman education may be applied toward this requirement whenever applicable.

(3-29-10)

iii. Course Approval Requirements. Continuing education courses for plumbers must cover technical aspects of the plumbing trade. Courses related to management, supervision, business practices, personal computer skills or first aid will not be approved. Courses will be approved as either code update or industry related based on the criteria as defined in this section.

iv. General Course Requirements.

a. Courses must be at least four (4) hours in length.

b. Courses must be taught by an instructor approved by the Division.

c. The presentation should be delivered orally and supplemented with appropriate visual media. Pre-taped video or audio shall be held to a minimum.

d. A course evaluation card shall be provided to all participants to evaluate the course and presentation.

e. All programs are subject to audit by representatives of the Division or the Idaho Plumbing Board for content and quality without notice and at no charge. Course and instructor approval are subject to revocation if the minimum requirements of course content or instructor qualification are not maintained.

f. Credit will not be given to a licensee who attended a course prior to that course being approved by the Division.

v. Code Update Programs. Code update programs must cover changes to the Idaho State Plumbing Code or the Uniform Plumbing Code.

vi. Industry Related Programs. Industry related programs shall be technical in nature and directly related to the plumbing industry.

vii. Program Approval Procedures.

a. Program approvals shall be effective for one (1) code cycle. Subsequent applications for the same program may incorporate by reference all or part of the original application.

b. An application for course approval may be obtained from the Division of Building Safety, 1090 E. Watertower St., Meridian, Idaho 83642, or via the internet at dbs.idaho.gov. The application shall include:

1. the title and general description of the program

2. the name of the sponsor as it will appear on the completion certificate

3. the address and contact person for the sponsor

4. The names of the instructors and dates of approval by the Division of Building Safety or completed applications for the instructors

5. the hours of instruction to be presented – correspondence or on-line computer-based courses must provide a minimum of twenty (20) questions to be answered by the student for each hour of credit requested for approval. For example four (4) hours of credit would require eighty (80) questions, eight (8) hours of credit would require one hundred and sixty (160) questions

6. an outline of the program

7. the cost of the program to the participant

8. a schedule of classes, including locations, dates and times

9. a list or sample of materials to be used in the program

10. a copy of the quiz to be given to participants, if applicable

11. a copy of the completion certificate

12. a copy of the evaluation card

13. Fifty dollar (\$50) fee for review of the application

viii. Certificates of Completion. Certificates of completion must include the following:

1. the date of the program

2. the title of the program

3. the location of the program

4. the name of the sponsor

5. the number of hours of credit completed

6. the name of the attendee

7. the license number(s) of the attendee

8. the name of the instructor

9. the Idaho course approval number

ix. Evaluation Cards. Evaluation cards or forms must be pre-addressed to the Division of Building Safety and must include the following:

1. the date of the program

2. the title of the program

3. the location of the program

4. the instructor's name

5. an evaluation of the course (e.g. poor, fair, good, very good, excellent)

6. an evaluation of the instructor's presentation skills

x. Instructor Approval Procedures. Instructor approvals shall be effective for one (1) code cycle. Applications for instructor approval may be obtained from the Division of Building Safety, 1090 E. Watertower St., Meridian, Idaho 83642, or via the internet at dbs.idaho.gov. The minimum qualification for an instructor shall be established by providing proof of one of the following which shall be documented and submitted with the instructor's application and the fifty dollar (\$50) application fee:

1. Current and active Idaho contractor or journeyman plumber license,

2. An appropriate degree related to the plumbing profession,

3. Other recognized experience or certification in the subject matter to be presented.

xi. Revocation of Approval. The Division may revoke, suspend, or cancel the approval of any instructor if the Division determines that the instructor does not meet the intent of furthering the education of plumbers. Grounds for revocation of approval shall include, but not be limited to:

1. Failure of the instructor to substantially follow the approved course materials,

2. Failure to deliver instruction for the full amount of time approved for the course,

3. Substantial dissatisfaction with the instructor's presentation by class attendees or representatives of the Division or the Idaho Plumbing Board.

xii. Appeals. Appeals for courses or instructors denied approval or where approval has been revoked for cause shall be in writing and shall be presented to the Idaho Plumbing Board within thirty (30) days of the denial of the application. Decision of the board on the appeal shall be final. Any further appeal shall be to the district court as provided by the Idaho Administrative Procedures Act as an appeal from a final agency action in a contested case proceeding.

xiii. Requirements for Credit. In order for a licensee to receive credit for attending a class, the following requirements must be met:

1. The class must have prior approval by the Division or a state that is reciprocal with Idaho for continuing education,

2. The instructors must be approved as instructors for the specific program,

3. The licensee must submit a copy of the certificate of completion to the Division,

4. The course provider must provide a roster of attendees to include the name, license number(s), and the number of hours to be credited.

xiv. Schedule of Approved Classes. The Division of Building Safety shall publish a list of approved classes at least once a year. The list shall be forwarded to all states that are members of a continuing education reciprocal agreement and shall be made available to any licensee on the agency's website.

IDAHO PLUMBING BOARD

Agenda Item No. 06

Pre-Apprenticeship Course

OBJECTIVE: Encourage individuals to pursue a career in the Electrical, HVAC, or Plumbing trade.

ACTION: Informational

BACKGROUND: In the fall of 2011 CWI will offer a pre-apprenticeship program. This program will allow individuals unsure of which trade to pursue, Electrical, HVAC or Plumbing, an opportunity to learn the basics of any construction trade. Some of the items that will be taught are: construction math, safety, blue print reading, hand and power tools, communication, and job readiness skills. There will also be an introduction into the “green” environment.

PROCEDURAL HISTORY:

ATTACHMENTS: Intro to Apprenticeships (Electrical, Plumbing, HVAC)



Intro to Apprenticeships
(Electrical, Plumbing, HVAC)

Total Hours – 78

This course is intended for individuals interested in obtaining apprenticeship jobs in the Electrical, Plumbing, or HVAC fields. Idaho State-approved Apprenticeship Programs in Electrical, Plumbing and HVAC fields, which include both on-the-job training and classroom instruction, lead to journeymen licenses in the respective fields.

The course will introduce the student to the construction trades and allow the student to choose a trade of his/her choice. Successful completion will give the student an advantage when applying for apprenticeship positions in all trades.

In addition, successful completion of this course will give the student credit equal to the first semester of either the Plumbing or HVAC Apprenticeship Programs. It will not give credit toward the Electrical Apprenticeship Program due to the large amount of electrical theory in the first semester of that program.

- **Basic Safety (includes OSHA 10-hour certification)** 12 hours
 - Ladders and stairs
 - Fall protection
 - Electrical – lockout-tagout
 - Materials
 - Use
 - Handling
 - Storage
 - Cranes
 - Scaffolds
 - Trenching / excavation
 - Personal protective equipment
 - Performance of basic construction tasks safely
 - What to do in case of an accident
 - Confined spaces
 - Basic rigging
 - MSDS
 - Basic hand and power tools

- **Introduction to Hand Tools** 3 hours
 - Purpose and use of
 - Wrenches
 - Saws
 - Hammers
 - Pipe Threaders
 - Measuring instruments
 - Instructions on safe use and maintenance
 - Oxy acetylene torches

- **Introduction to Power Tools** 3 hours
 - Purpose and use of
 - Drills
 - Saws
 - Grinders
 - Powder Actuated Tools
 - Pneumatic Tools
 - Instructions on safe use and maintenance

- **Introduction to Construction Math** **30 hours**
 - Whole numbers
 - Addition and subtraction
 - Fractions
 - Decimals
 - Measurement of
 - Lines
 - Area
 - Volume
 - Weights
 - Angles

- **Introduction to Construction Drawings** **12 hours**
 - Drawing terms, components, and symbols
 - Types of construction drawings
 - Drawing classifications
 - Drawing dimensions and scales

- **Introduction to the Electrical Industry** **6 hours**
 - Intro to the NEC
 - Intro to Electrical Theory including hands-on demonstration
 - The Electrician's Role in the Green Environment including Best Practices, Tools, and Strategies

- **Introduction to the HVAC Industry** **6 hours**
 - Intro to HVAC Codes
 - Intro to Various Aspects of the HVAC Field including hands-on demonstration in the lab
 - The HVAC Tech's Role in the Green Environment including Best Practices, Tools, and Strategies

- **Introduction to the Plumbing Industry** **6 hours**
 - Intro to the Uniform Plumbing Code
 - Intro to Various Aspects of the Plumbing Field including Hands-on demonstration in the lab
 - The Plumber's Role in the Green Environment including Best Practices, Tools, and Strategies

IDAHO PLUMBING BOARD

Agenda Item No. 07

AQUS

OBJECTIVE: Mark Sanders with Sloan would like the Plumbing Board to consider allowing the use of Sloan's "AQUS" system in Idaho.

ACTION: Informational

BACKGROUND: The 2003 UPC limits the use of reclaim water systems in non-residential buildings. The 2009 UPC does not limit the use of reclaim systems to commercial only.

PROCEDURAL HISTORY:

ATTACHMENTS: AQUS documentation and IAPMO Certificate of Listing (reclaimed water conservation system for flushing toilets)



IAPMO RESEARCH AND TESTING, INC.

5001 East Philadelphia Street, Ontario, California 91761-2816 • (909) 472-4100 Fax (909) 472-4244 • www.iapmo.org



CERTIFICATE OF LISTING

IAPMO Research and Testing, Inc. is a product certification body which tests and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Effective Date: April 2010 -Rev. 9/16/2010- Void After: April 2011

Product: Reclaimed Water Conservation System for Flushing Toilets File No. 5129

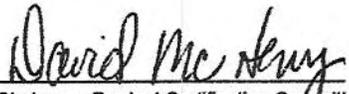
Issued To: Water Saver Technologies LLC
120 Webster Street #322
Louisville, KY 40206

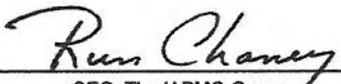
IDENTIFICATION: Product should be permanently marked with the manufacturer's name or trademark and nominal size, and "CAUTION: RECLAIMED WATER, DO NOT DRINK" with a purple background and black uppercase lettering. Product shall also bear the UPC® certification mark.

CHARACTERISTICS: Graywater Conservation System for Flushing Toilet to be installed in accordance with the manufacturer's instructions, and the latest edition of the Uniform Plumbing Code.

Products comply with the applicable sections of the latest edition of the Uniform Plumbing Code® and the International Plumbing Code®. Manufactured in compliance with IGC 207-2009a.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.


Chairman, Product Certification Committee


CEO, The IAPMO Group

For the most accurate and updated information please visit <http://pld.iapmo.org/5129>

This listing is for the period indicated herein and is void after the date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Reproduction of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing.



DOC#081A



Sloan Valve Company

- Established 1906
- Leader in water efficiency
- Recognized by EPA and other organizations for innovation
- The AQUUS has received wide acclaim
 - GreenBuilder–TrendWatch (January 2010)
 - Architectural Products Top 50 Most Requested Products (Dec 2009)
 - Sustainable Industries – 2010 Top 10 Green Products (June 2010)





SLOAN.

The AQUUS®

- A small scale water reuse system for flushing a toilet
- Compatible with virtually all toilets, including dual flush and one piece toilets
- The toilet components clip inside toilet tank to activate pump and bring water into tank
- Reservoir (5.5 gals) resides inside vanity and connects to sink drain
- Reused water is filtered and treated in reservoir
- Annual maintenance required




SLOAN.

The AQUUS is NOT a greywater system

- Greywater definition. Untreated waste water from lavatories, tubs, showers, etc
- Reclaimed water definition.
 - Was. Tertiary treated by municipality
 - Now. 2009 UPC, Chapter 16. - includes AQUUS
- California. Calls it "Treated greywater"
 - Adopted 2009 UPC chapter 16 w modifications
 - Treatment to Title 22, Section 60301.230. Involves using chlorine for bacteria kill – AQUUS complies
- Sloan has elected not to define what the AQUUS is, but let it speak for itself

SLOAN.



Certifications and Standards

- Uniform Plumbing Code – Product Listing
 - Issued April 2009
- International Plumbing Code – complies
- California Plumbing Code.
 - Adopted 2009 UPC Chapter 16
 - 1612A.1 Indoor Use of Graywater. Allowed if treated to standard set by Enforcing Agency. Title 22 Section 60301.230 use chlorine
 - AQUS complies



SLOAN.



SLOAN.

Cross Connection and Backflow Prevention

- Cross Connection/Backflow Prevention
 - Separate water lines
 - Air gap -Fresh water (left), Reused water (right)
 - Don't disturb Fill Valve Backflow Prevention

SLOAN.

Health and Safety Issues

- Health and Safety
 - Chlorine/Bromine tablets
 - Filtration
 - Electrical – 12 volt DC pump

SLOAN.

Savings

- Combined savings of fresh water and wastewater -- 8,000 -12,000 gallons annually
 - Fresh water savings
 - 9 - 14 gallons per day (4,000-6,000 annually)
 - Wastewater reduction
 - 9 - 14 gallons per day (4,000-6,000 annually)

SLOAN.

Costs and Installation

- List Price - \$398.00
- Installation – less than one hour

SLOAN.

IDAHO PLUMBING BOARD

Agenda Item No. 08

Aquatherm

OBJECTIVE: Aquatherm would like to have their product used for potable water systems in Idaho.

ACTION: Informational

BACKGROUND: Jim Paschal contacted Plumbing Program Manager John Nielsen about the use of Polypropylene for a job coming up in Idaho. Mr. Nielsen informed Mr. Paschal that since IAPMO has not approved it for use in potable water systems he would not approve it but could bring it before the Board and see if they would approve its use.

PROCEDURAL HISTORY:

ATTACHMENTS: Aquatherm Packet



Welcome to Aquatherm

For nearly four decades, Aquatherm has been a global leader in polypropylene pressure piping systems. We pride ourselves on using the most advanced technology to provide the highest quality product manufactured anywhere in the world.

Aquatherm has attained international renown by always working to be the best. We relentlessly test our existing products to ensure that they continue to meet the highest performance standards. And we are constantly improving and innovating on our existing technologies, searching for ways to make them even better. Our piping systems are engineered to last for over 50 years without leaking, corroding, or wearing out.

And while we strive for excellence in performance, we also uphold the philosophy that production should never interfere with environmental responsibility. Aquatherm's products are manufactured to the highest ecological standards, leaving a smaller carbon footprint than other piping systems. Our polypropylene pipes and fittings are designed to outlast other materials and can be fully recycled when their service-life is complete.

We are a pioneer in polypropylene piping systems, working to bring people the quality, reliability, and performance they need for the most basic elements of their lives. From pure drinking water to efficient heating and cooling solutions, we provide systems that you can count on every single day. Take a look and see how Aquatherm's piping technology can help improve the quality of your life.



1973

Founding of Aquatherm by Gerhard Rosenberg

1978

Transfer to the first factory in Biggen, Attendorn

1985

Factory 1 in Biggen, Attendorn completed

1992

Founding of the branch in Radeberg near Dresden

1996

Founding of the metal processing company Aquatherm Metal in Attendorn

1998

Founding of a subsidiary in Carrara, Italy

1999

Main site in Attendorn completed as one complex (factories 1+2, production and storage, laboratory and training center)

2001

Extension of plant 2 in Attendorn completed

2001

Opening of the new training center in Radeberg

2002

Logistics center in Attendorn completed

2003

Renovation of the Attendorn training center completed

2005

Plant 1, extension of main office building

2005

Aquatherm launches in North America

2005/06

Completion of the 4-story hall in Attendorn

2008

Renovation of the new technology center completed

aquatherm greenpipe®

The ultimate in potable piping technology

The **aquatherm greenpipe®** system is a pressure pipe system with a wide range of applications. Exceptional chemical purity and revolutionary physical strength have made **aquatherm greenpipe®** successful in over 70 countries worldwide during the last 35 years.

The **aquatherm greenpipe®** system can be used in almost every aspect of the piping industry, but is best suited for potable and food-grade applications, where the combination of chemical safety and physical durability can truly perform. Aquatherm Greenpipe can also be used for multipurpose residential / domestic water applications per NFPA 13D.

More than 400 joining and connection elements, as well as valves and ball valves, complete the system. The dimensions range from $\frac{3}{8}$ " to 12" nominal diameter (N.D.). Aquatherm Greenpipe is also available with fiber-composite technology, which reduces linear expansion, and UV protection for outdoor installations.

climatherm®

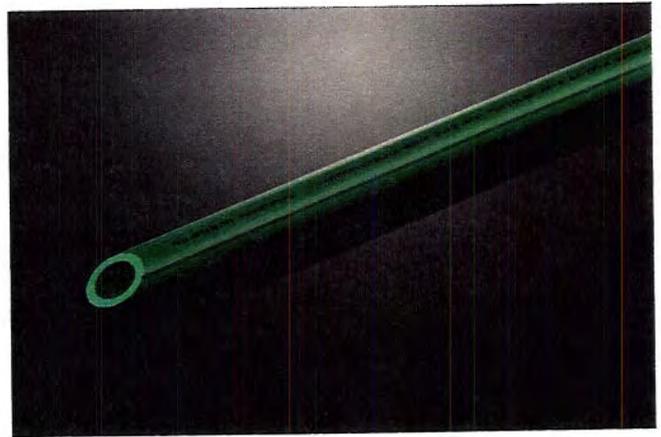
A better choice for hydronics, compressed air, and industrial applications

The **climatherm®** pipe system is engineered specifically for applications beyond potable water installations. It offers a tougher, longer lasting, more environmentally responsible solution to comparable non-potable pressure systems.

In addition to the general advantages of the **PP-R** pipe system **climatherm®** offers higher volumetric flow values due to smaller wall thickness, and is high-heat stabilized for short exposures to temperatures beyond the intended design. Climatherm is extremely resistant to impact, corrosion, and seismic stresses.

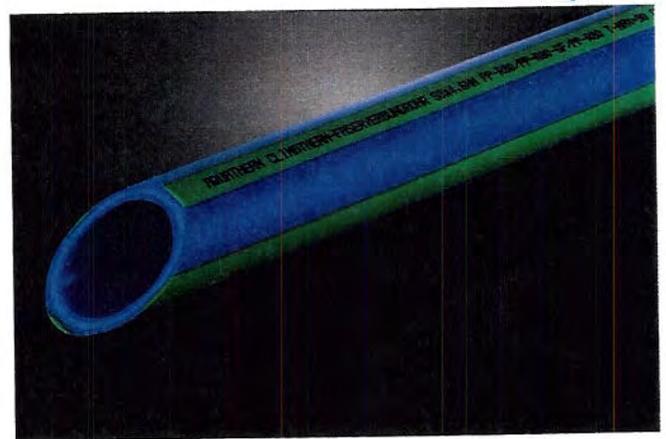
The **climatherm®** system uses the same fittings and tools as the **aquatherm greenpipe®** system, making installation simple and easy. The dimensions range from $\frac{1}{2}$ " to 12" nominal diameter. Climatherm is also available with fiber-composite technology, which reduces linear expansion, and UV protection for outdoor installations.

The conditions, regulations and recommendations, described in chapter 3 "Planning," chapter 4 "Installation Principles" and chapter 5 "Heat Fusion" apply to all Aquatherm piping systems. The fittings used with the pipe are listed in chapter 6 "Product Range."



The Greenpipe Advantage

- Leak-free connections
- Resistant against hard water aggressive chemicals
- Environmentally friendly material
- Reduced insulation requirements
- Higher flow speed
- Potable and food rated
- Fast and easy assembly
- Flame, smoke, and fume-free installation
- Reduced noise from water hammer and vibration



The Climatherm Advantage

- Resistant to most chemicals
- Increased flow rate
- Fast, welded connections
- Light, impact resistant material
- Corrosion-free pipe and fittings
- Natural sound and heat insulation
- Long lasting
- Fully recyclable

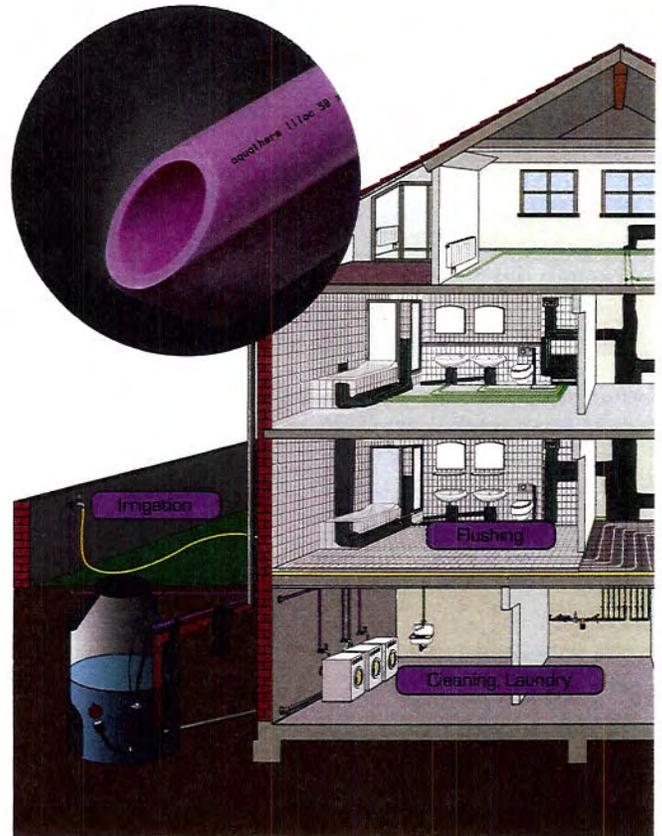
aquatherm lilac

The perfect solution for recycled, reclaimed, & rain water applications

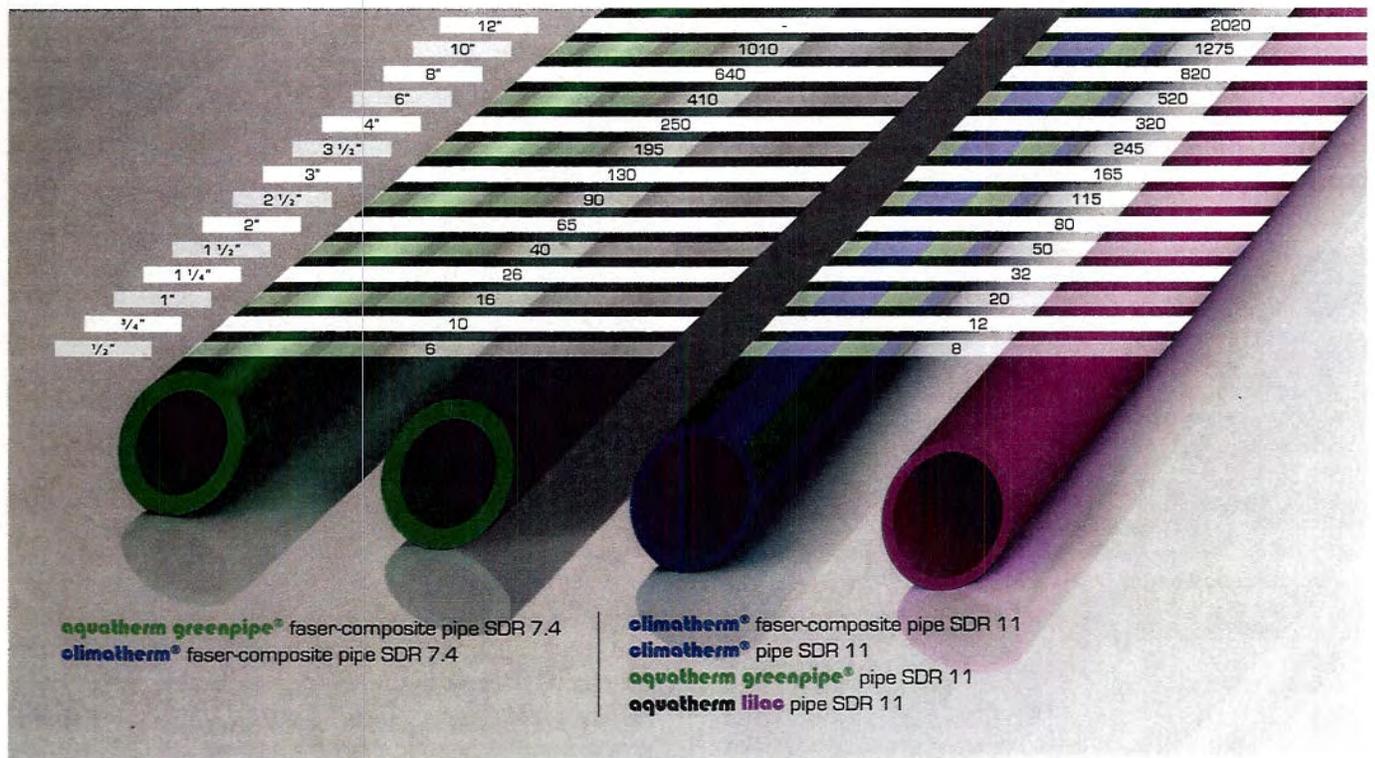
Water conservation systems are being specified and installed much more frequently as building and plumbing codes are updated to encourage improved water conservation. Most codes require that these systems be kept entirely separate from the potable water supply, and that the piping be color-coded and labeled to identify it as non-potable.

The water from reclaimed, recycled and rainwater sources can be used for **flushing, irrigation, cleaning and laundry** (local codes permitting).

The **aquatherm lilac** pipe system has been developed exclusively for these applications. The piping uses the same durable, corrosion-resistant PP-R material that has been successfully used for hot-and-cold water distribution for over 35 years. This, combined with design modifications, coloring, marking, and independent third-party certification by NSF International, make **lilac** the ideal choice for water conservation.



Comparison of flow rates in GPM (based on 8 f/s)



Comparative fields of application of Aquatherm piping systems:

System recommended due to its technical advantages: ●

Application of the system is suitable: ○

**aquatherm
greenpipe®**

climatherm®

**aquatherm
lilac**

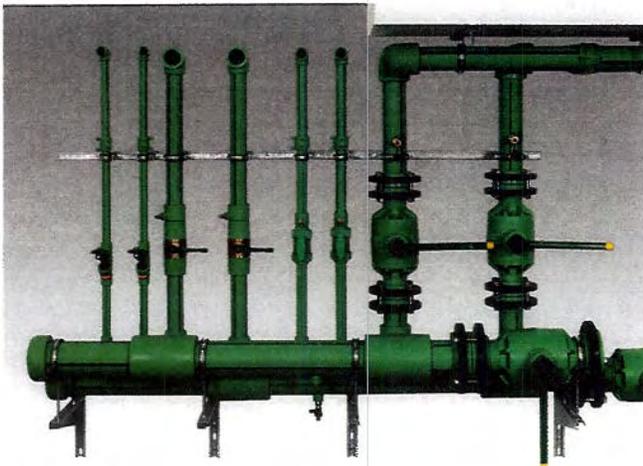
	aquatherm greenpipe®	climatherm®	aquatherm lilac
Potable water applications	●		
Compressed air systems	○	●	
Swimming pools	●	●	
Chilled water distribution	○	●	
Heating distribution	○	●	
Ground source heat loops	○	●	
Recycled water and rainwater applications			●
Food processing	●		
Multipurpose fire sprinkler applications	●		
Irrigation	○	●	●
Industrial applications	●	●	
In-floor heating systems	○	●	
Chemical transport	●	●	

Fields of application

Aquatherm piping systems are ideal for many pressurized applications due to their durability and versatility.

Hot and cold potable water systems

for use in residential buildings, hospitals, hotels, office and school buildings, shipbuilding, sports facilities, high-rise construction, distribution mains, and many other applications, **aquatherm greenpipe®** is safe to be used in direct contact with either food or potable water.



Compressed air systems

for use in light industry, heavy industry, automotive mechanic shops, etc. because of **climatherm®**'s phenomenal pressure rating and resistance to shattering. Aquatherm piping systems do not corrode, protecting the attached equipment from rust and debris.

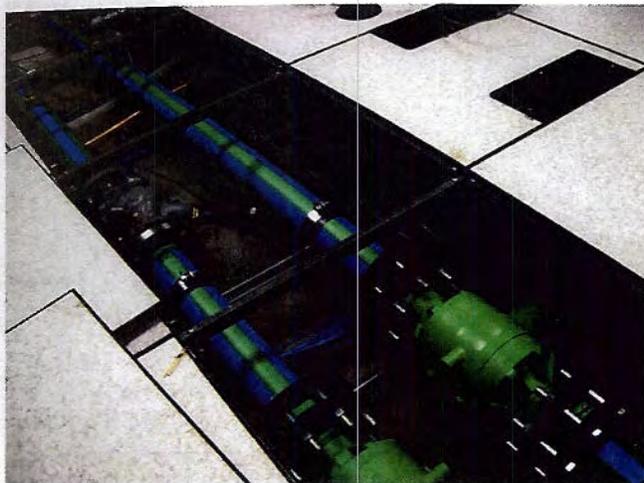


Swimming pool systems

and other applications where aggressive chemicals are constantly present inside the pipe, **climatherm®** is highly resistant and non-corroding. [Chemical compatibility should always be verified using the form on page 3.4]

Chilled water distribution

for residential, commercial, and industrial use, **climatherm**[®] has a natural insulation value that helps reduce heat gain and often eliminates problems with condensation. Heat-fusion outlets help make distribution simple and easy.

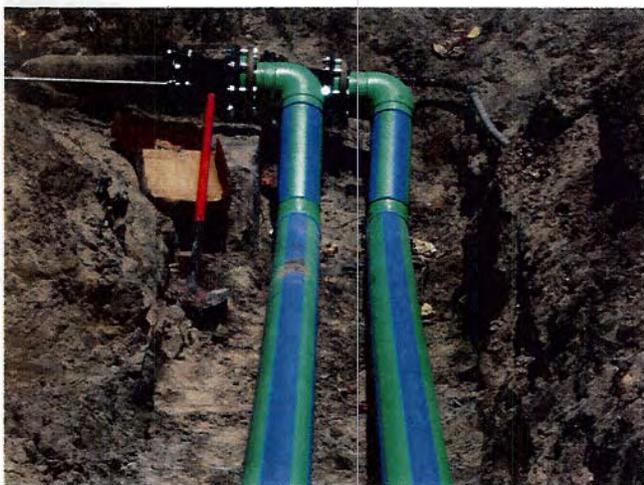


Heating distribution

for residential, commercial, and industrial use, **climatherm**[®] with fiber-composite is an ideal choice due to its reduced linear expansion and natural insulation value, which minimizes heat loss from the pipe. It can also be used for snow-melt applications in concrete or asphalt.

Ground source heat loops

and other applications where the pipe needs to be buried directly in soil or embedded in concrete, **climatherm**[®], **aquatherm greenpipe**[®], and **lilac** are all safe and non-leeching.



Recycled water and rainwater applications

for non-potable service water, the **aquatherm lilac** pipe is ideally suited due to resistance to corrosion, scaling, and microbiological growth and its distinct purple coloring.

Food processing

for applications where preserving the quality of foodstuffs is essential. **aquatherm greenpipe**[®] PP-R material will never affect or leech into the food products.

Multipurpose fire sprinkler applications

for use in residential applications, **aquatherm greenpipe**[®] can be integrated with the potable water system to provide fire protection. The high flow rates allow for mains and branches to be run through the house, rather than many individual pipes, keeping the system simple and efficient.



Irrigation

and other applications where water quality can vary greatly, or where there is a risk of the system freezing. Aquatherm piping systems can withstand single instances of freezing.

Industrial applications

for the processing and transport of aggressive chemicals and materials because **aquatherm greenpipe**[®] and **climatherm**[®] resist most types of acids.



fusiolen® PP-R

All Aquatherm pipes and fittings are made of **fusiolen®** PP-R.

The **fusiolen®** PP-R material is both physically and chemically resistant to the abuse that can damage other materials. It is also a low friction material, protecting it from abrasion and reducing pressure loss. The superior welding properties of **fusiolen®** PP-R result in a permanent, leak-proof connection that is chemically indistinguishable from the rest of the pipe. This and countless other innovations have made the Aquatherm pipe systems and the raw material **fusiolen®** PP-R successful and respected worldwide.

Environmentally responsible

fusiolen® PP-R is fully recyclable and can be ground, melted, and re-used for various applications (e.g. motor housings, wheel linings, laundry baskets and other kinds of transport boxes). There are no harmful waste products created by the processing or disposal of **fusiolen®** PP-R. From production that is clean (free of PVCs, leads, heavy metals, and toxins) and low in energy consumption, through its long service life, to being recyclable after serving its function, polypropylene is the green choice for piping.

Non-leaching composition

By using a material that does not interact with water or other compatible fluids, Aquatherm ensures that chemicals from the pipe walls and fittings will never leach into drinking water or the underground water table. This makes the pipe healthier for the people using it and safer for the environment they live in.

High-temperature stabilization

Aquatherm's long-term heat stabilization has been increased to resist the harmful effects of peak temperatures and provide higher safety parameters.

The expected service life of Aquatherm pipes is more than 50 years. Peak temperatures of 212°F (100°C) arising from short spikes will not cause the system to fail.

Permanent temperatures from 180°F (82°C) up to 194°F (90°C) can cause limited reduction to the service life of the pipe (see "Working pressure" tables, page 3.2 - 3.3).

Using Aquatherm pipes for heating applications within the pressure and temperature conditions given in the "Working pressure" tables will yield at least the projected service life or longer.



Raw fusiolen PP-R granules.

Chemical purity

Potable water is one of the world's most precious resources. The domestic supply system should influence the water as little as possible on its way to the consumer. The choice of the right potable water pipe system and its material is extremely important.

From the purest distilled systems to the hardest groundwater, **aquatherm greenpipe®** systems are suitable for all different qualities of potable water.

Proven worldwide

The exceptional performance of Aquatherm piping systems has been evident worldwide for over 35 years. Aquatherm piping systems hold numerous international certificates and listings, including:

- NSF, ICC, IAPMO, ASTM, FM (USA)
- CSA, BNG, CFIA (Canada)
- DVGW, SKZ (Germany)
- AENOR (Spain)
- ÖVGW (Austria)
- WRAS (UK)
- SVGW (Switzerland)
- KIWA (Netherlands)
- SAI-Global (Australia)
- CRECEP (France)
- SII (Israel)
- SIRIM (Malaysia)
- TIN (Poland)
- LNEC (Portugal)
- SITAC (Sweden) ... and many more!

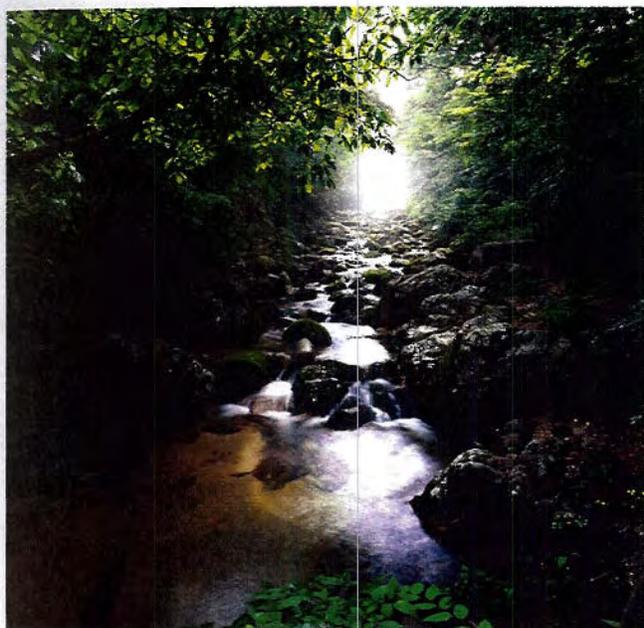
These certifications testify to the high quality standard of the Aquatherm products.

Ecological advantages

Aquatherm has always taken environmental responsibility very seriously. Our PP-R piping systems not only feature a long service life to help reduce waste, but also have a minimal carbon footprint to help reduce their overall environmental impact.

Since the founding of the company in 1973, Aquatherm has worked hard to ensure that its products and manufacturing processes do not pollute earth's sensitive ecosystems and to develop fully recyclable materials which can be added, waste-free, to new production.

Long before environmental protection was recognized as a global issue, Aquatherm piping systems fulfilled the high ecological standards demanded today. Being green isn't just a fad with Aquatherm; it's our way of doing business.



For nearly four decades, Aquatherm has applied a philosophy that ecological and economic interests should go hand-in-hand, both in the production and in the installation of our products.

The environmentally friendly raw material **fuziolen**® PP-R is used to manufacture the aquatherm piping systems. To ensure its environmental compatibility, the basic material polypropylene, as well as all contained additives (color pigments and stabilizers), are extensively tested, not only by aquatherm's own laboratory, but also by independent researchers, to ensure that nothing harmful is ever put into our pipes.

Primary ecological advantages:

- Contains no PVC
- Contains no BPAs or dioxins
- Longer life cycle than comparative systems
- Fully recyclable
- Free from heavy metals
- No interaction with medium or environment
- No toxic combustion by-products
- Contains no VOCs
- Natural insulation to prevent heat loss
- Low friction material for reduced energy loss
- No emissions released during installation

aquatherm and LEED

There are many environmental and performance benefits that come from using Aquatherm piping systems instead of the current industry standards. These benefits come from **fuziolen**® PP-R's low environmental impact and lengthy service life. The United States Green Building Council and Canadian Green Building Council have established "Leadership in Environmental and Energy Design" programs to help encourage developers to make environmentally responsible choices.

The LEED program has been widely adopted by both the United States and Canada as a point system to reward engineers, architects, contractors and developers who go beyond normal measures to make their projects more environmentally friendly.

Switching from industry standard systems to Aquatherm can help a project earn LEED credits in a variety of fields, including improved air quality, water management, waste reduction, energy conservation, and innovation in design.

Refer to the Aquatherm LEED Reference Guide on our website at www.aquathermpipe.com for further details.

System features

Clean, safe material

The Aquatherm piping systems are made from the same type of material used in high-purity systems, making them ideal for potable water and food-grade applications. The Aquatherm piping systems do not support the formation of mineral deposits, and are opaque, so as to not promote microbiological growth. PP-R does not contain any chemicals that can leach from the pipe wall into the water. The water delivered to the tap is always the same quality as it was when it entered the system.

Aquatherm piping systems meets the requirements of NSF Standard 14 and **aquatherm greenpipe®** meets NSF Standard 61, showing that it is safe for direct contact with drinking water. In addition, **aquatherm greenpipe®** has been tested to NSF 51 and is acceptable for direct food contact and food processing applications up to 212 °F. The piping system and materials meet the stringent requirements for strength, material quality, dimension, damage resistance, marking, and quality control of ASTM F2389 and CSA B137.11.

Fusion connections

The connections in an Aquatherm piping system are made using simple, clean heat fusion, a process which actually turns the pipe and fitting into a single piece of PP-R. There are never any solders, solvents, or glues added to the connection, eliminating both the traditional weak point and harmful chemicals from the system.



Freeze Tolerance

Due to their natural insulation value, Aquatherm pipes are resistant to freezing if left exposed. And because of the strong but flexible nature of the PP-R and heat fusion connections, Aquatherm pipes can freeze solid with water in them without breaking (**Note:** Aquatherm pipes can withstand insulated instances of freezing. They are not designed to be repeatedly frozen and thawed.)

Heat insulation

PP-R has a natural resistance to heat transfer, making it a much better piping choice than traditional metals. Uninsulated sections of the pipe lose or gain very little energy and are resistant to condensation. In places where the pipe does need insulation, less insulation can be used, saving both space and materials.

Pipe labels and sizing

All Aquatherm piping systems are manufactured based on metric units of measurement. In order to make the systems more intuitive to the North American market, Aquatherm has converted each of its standard pipe sizes into an imperial nominal diameter, based on comparable size and flow rate. The following table gives the accepted nominal diameter for each metric size of pipe. Unless additional engineering allows for a downsizing of the pipe, Aquatherm recommends using this nominal pipe sizing as an equivalent to systems made from other materials.

Manufactured Metric OD	Nominal Diameter
16mm	3/8"
20mm	1/2"
25mm	3/4"
32mm	1"
40mm	1 1/4"
50mm	1 1/2"
63mm	2"
75mm	2 1/2"
90mm	3"
110mm	3 1/2"
125mm	4"
160mm	6"
200mm	8"
250mm	10"
315mm	12"

Note: All Aquatherm products are manufactured using metric specifications. This table shows matching Nominal Diameters in imperial units. Metric OD will always be printed on the pipe and fittings.

Uniformity

The system includes all necessary pipes, valves and fittings for a complete installation from the water meter up to the last tap. Mixed installations are things of the past.

Longevity

The **aquatherm greenpipe**[®] and **climatherm**[®] systems resist the scaling and corrosion that reduces the performance of other piping systems. The walls of the PP-R piping systems generate less friction than other systems, eliminating the abrasion that can cause pin-holing and shorten the life cycle of the pipe. The heat-fusion joints maintain the same properties as the pipe itself, so physical stresses will not damage their integrity. Overall, the Aquatherm piping systems last longer with less maintenance than other systems, adding greater value to each installation.

Simplified installation

The **aquatherm greenpipe**[®] and **climatherm**[®] systems offer a unique and unrivaled connection process: material union by heat fusion. The short welding times speak for themselves: 1/2" ND = 5 sec. Fusion connections can be pressure tested or put into operation almost immediately after their fusion. There are no extended waiting times. See page 5.5 for a list of socket connection times and page 5.16 for a list of butt welding connection times.

Quality

All of Aquatherm's many national and international certifications speak volumes regarding its quality and performance, but the satisfaction of Aquatherm clients, installers, and planners says even more.

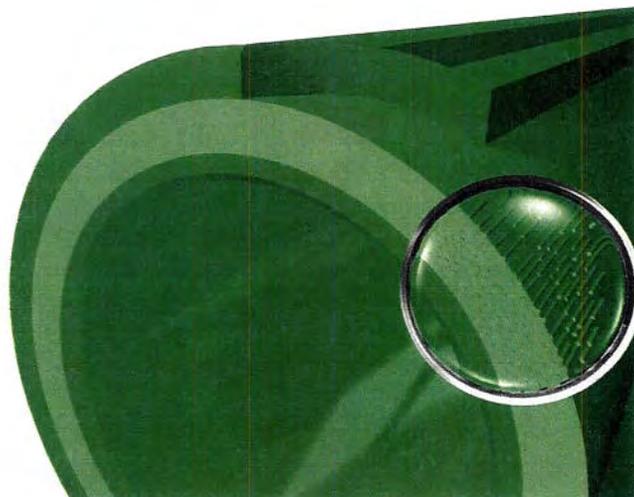
For more details regarding Aquatherm's quality management system, certifications and approvals see chapter 2.

Value

By integrating industry-leading strength and reliability with stable and economic pricing, Aquatherm's piping systems allow building owners to improve the quality of their piping systems while improving their bottom line.

Sound insulation

Aquatherm's PP-R material absorbs the force from pressure surges and also dampens the noise created by water flow and hydraulic shock. The sound generated and carried by the pipes is much less than that of other piping systems, adding to the comfort of the building's occupants.



Faser-composite technology

To increase maximum operating temperatures and overall performance, Aquatherm has developed a revolutionary manufacturing method: faser-composite technology. The faser-composite material is a mixture of special fiberglass and **fusiolen**[®] PP-R. This material is extruded as the middle layer of the pipe. This layer allows the pipe to remain rigid at high temperatures without sacrificing any of the other benefits of the pipe.

Shatter resistant

Unlike other rigid plastics, which shatter under impact, Aquatherm's piping systems remain flexible and resilient at normal operating temperatures. Whether hit by a high-speed projectile or struck by a slower, heavier object, Aquatherm piping systems will not shatter. Even if brought to the breaking point, systems made from **fusiolen**[®] PP-R will only flatten and split, rather than throwing dangerous shrapnel. This makes the pipe safer to use, even in high-risk applications.

An unmatched guarantee

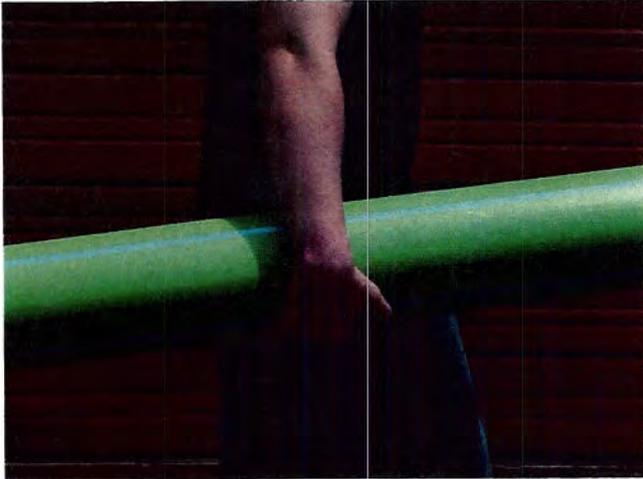
As proof of Aquatherm's demanding quality standards, all properly installed Aquatherm pipe systems carry a 10-year warranty for pipe and fittings with a combined personal injury and property damage liability coverage of up to €13.5 million per damage event. This warranty also covers any incidental damage caused by material failure.

Note: Warranty only valid if installed by an Aquatherm-trained installer, using Aquatherm-approved tools. A final pressure test report must be submitted to verify proper installation.

Installer advantages

Lightweight

Aquatherm pipes weigh as little as a fifth as much as similarly sized metal piping, which makes it easier to ship, unpack, position, hang, and put together. It's an added bonus that lets the installer carry more, move faster, and feel less tired by the end of the day.



Air testing

While many piping systems have limitations on how they can be pressure tested, Aquatherm's unique properties allow the pipes to be tested using a variety of methods, including water, air, or a combination of the two.

Durable

Damaged pipe is lost time and money, things that no installer can afford. PP-R is tough, both chemically and physically. Whether being kicked, dropped, stepped on, or just banged around, Aquatherm pipes can easily stand up to the abuse on a job site.

Easily integrated

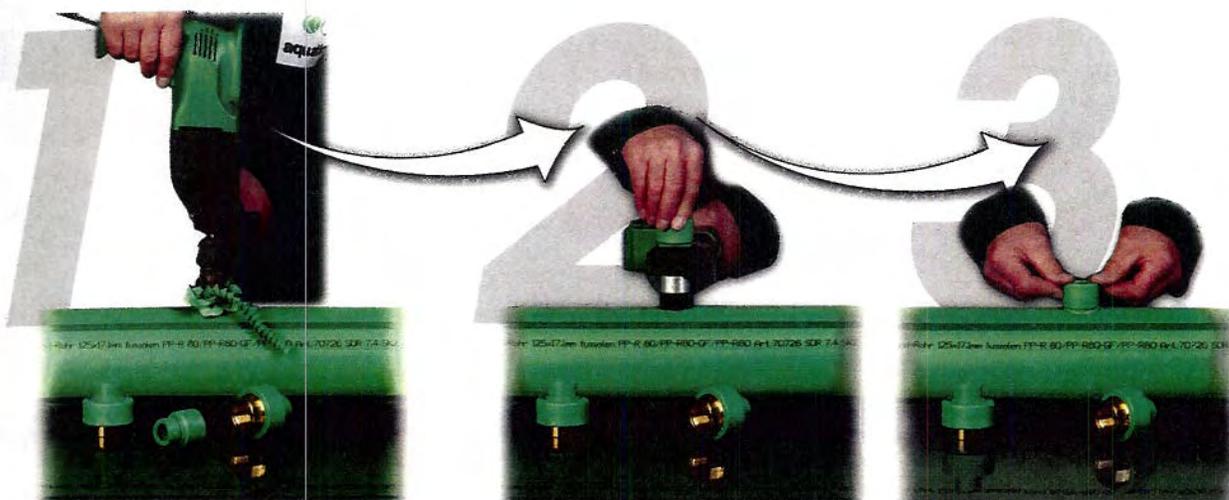
Almost every job will require the installer to switch to and from other piping systems and integrate various pieces of mechanical equipment. With a wide range of flange connections, groove adaptors and the world's most advanced PP-R to metal threaded transitions, connecting systems and equipment is quick, easy, and secure.



Fast connection times

Aquatherm's pipe and fittings are assembled with heat fusion, a fast and simple process that involves heating the materials and sliding them together for a perfect connection every time. Heat fusion can save over 50% labor time compared to traditional welding and soldering, and is comparable to the quickest labor-saving connections.





Fusion outlets

This innovation allows for branch lines to be added after the mains are already in place, reducing labor times and giving the installer much greater flexibility. Fusion outlets replace standard reducing tees and offer many advantages, such as replacing two connections with one, having a lower pressure drop, and using less material.

No flame, smoke, or fumes

Using an electric welding iron is about as safe as operating your electric stove: don't touch it, but it's not going to burn the house down. No open flames helps reduce on-site risk and liability, and the absence of toxic vapors helps protect the installer and the building's occupants.

Flexible

Heat fusion connections have the exact same properties as the pipes and fittings, so there's a certain level of flexibility in the assembled pipe that makes it easy to pre-fabricate and move on site without the risk of the joints cracking and leaking. This flexibility also allows for a wider range of applications and protects the pipe from seismic stresses.



Consistent results

One of the major advantages of using PP-R and heat fusion is that the results are extremely consistent, all day long, connection after connection. The double bead of plastic allows for accurate visual inspection. Imagine turning on an entire system and not having a single leak anywhere.



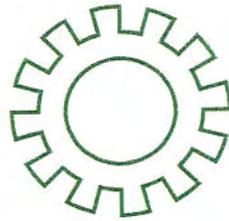
Simple expansion control

The fiber-composite layer reduces linear expansion, reducing or eliminating the need for additional expansion control. The pipe can absorb its own stresses when anchored or buried, and can use expansion loops for longer runs.

Aquatherm piping systems are engineered to...



Optimize and reduce insulation
Save material costs
Shorten installation times
Improve energy savings
Easily adapt to other pipes
and equipment
Use low-cost fusion outlets



Resist scaling, corrosion, and
abrasion
Prevent leaks and failures
Increase system service life
Survive impact, freezing, and
harsh chemicals
Limit linear expansion for
better performance



Eliminate flames and noxious
fumes
Have a lower environmental
impact
Operate for over 50 years
Never contain toxic
chemicals or heavy metals
Be fully recyclable



IDAHO PLUMBING BOARD

Agenda Item No. 09

SureSeal

OBJECTIVE: The Board to consider the use of SureSeal Trap Sealers in Idaho.

ACTION: Informational

BACKGROUND: Donald Huber with SureSeal would like the Board to consider the use of SureSeal Trap Sealers in Idaho as an alternate method for maintaining floor drain trap seals.

PROCEDURAL HISTORY:

ATTACHMENTS: SureSeal Brochure



Waterless Trap Primer

Cost Savings

- Initial cost plus installation is much less expensive than alternative solutions.
- Eliminates the need for complex, time consuming, and expensive repairs when trap primers fail. **No walls or floors to tear up to access the problem.**

Eco-friendly - Saves Water

- Reduces use of potable water – lowering water bills.
- Reduces flow of water through sewage treatment systems increasing existing plant capacity.

Application

- New Construction: Used in floor drains to provide protection against escaping sewer gases. Eliminates the need to use and/or repair/replace trap primers when they fail.
- Retrofit: Used in situations where trap primers have failed or where trap primers were never installed.

Stop floor drain odors before they start with waterless trap protection.



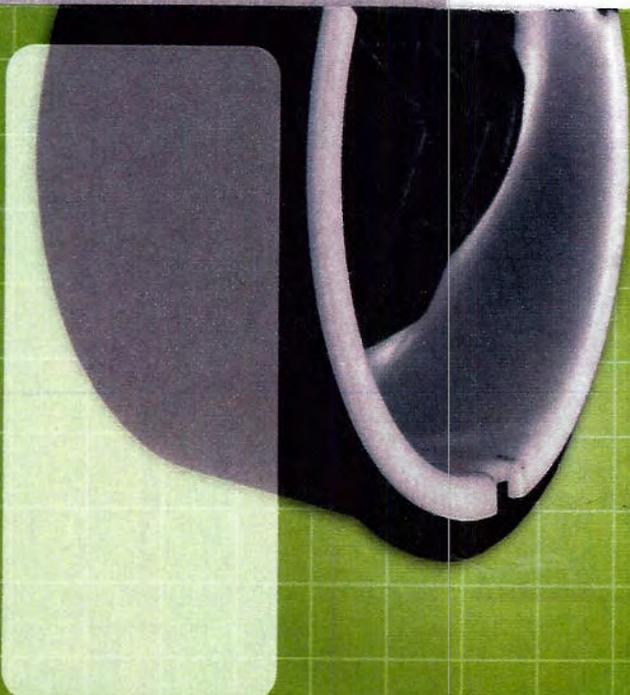
The Green Solution™ Inline Floor Drain Trap Sealer

(877) 201-2663 • (253) 564-0624

www.TheSureSeal.com

IAPMO Listed: 4165 • ASSE 1072 Approved
Patent US 6,273,124 B1 • CA Patent 2,450,304

Other Patents Pending



Stop floor drain odors before they start with waterless trap protection.



PRECISION ENGINEERED
& ASSEMBLED IN THE
USA

The Green Solution™



Inline Floor Drain Trap Sealer

www.TheSureSeal.com

IAPMO Listed: 4165 • ASSE 1072 Approved
Patent US 6,273,124 B1 • CA Patent 2,450,304

Trap Primer Replacement

DRAIN SIZE FLOW RATE

2" ≥12 GPM



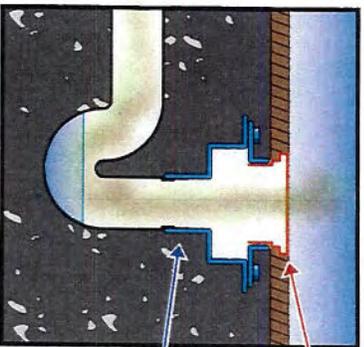
3" ≥34 GPM



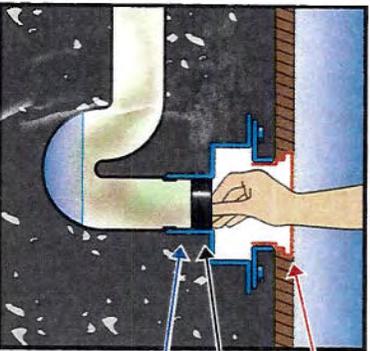
3.5" & 4" ≥73 GPM



BEFORE



AFTER



New Construction & Retro-Fit

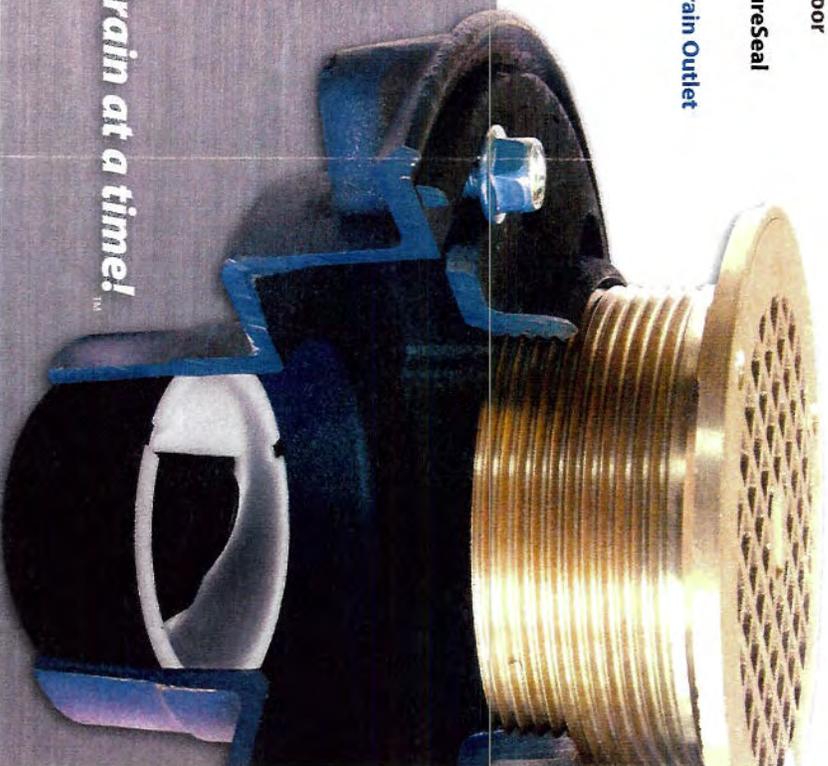
- Fast and Easy to Install
- No Special Tools Required
- Low Maintenance
- No Flow Restriction
- 100% Effective & Safe
- 10-Year Limited Warranty
- Eliminate Call-Backs

Visit TheSureSeal.com

for video demos, spec sheets, performance info, and much more.

The *SureSeal Inline Floor Drain Trap Sealer* is the green solution for replacing failed trap primers and quickly and easily solving problems associated with drains.

Saving the planet one drain at a time!



IDAHO PLUMBING BOARD

Agenda Item No. 10

Schooling Update

OBJECTIVE: To inform the Board of the subcommittee's progress in the development of a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

ACTION: Informational

BACKGROUND: In the summer of 2010, school representatives met to develop a standard curriculum for the Electrical, HVAC, and Plumbing State Licensure Apprenticeship programs.

Irene Vogel, PTE, is in the process of creating a committee, comprised of individuals from the technical college system, proprietary institutions, industry, and division, to review the current curriculum outlines and competencies.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 11 Appliance Specialty License Subcommittee Report

OBJECTIVE: To define the scope and parameters of the work to be performed by a potentially new category of specialty water softener plumber in connection with water softener/water treatment installations.

ACTION: Informational

BACKGROUND: In March 2010 an order established a subcommittee to address issues surrounding participants in the water softener industry. Matt Gardner was appointed chairman.

At the May 2010 Board meeting it was stated this topic was addressed at the Southeast Idaho Chapter's May meeting. Blake Jones, Culligan representative and member of the Water Quality Association, distributed a draft, created several years ago, as an example of what the water softener industry would like as a license.

The subcommittee met September 21, 2010 via videoconference. Due to scheduling conflicts there was no representation from the water softener industry.

At the October 2010 Board meeting, Ray Coon suggested the topic "Boundaries", in the September 21, 2010 subcommittee minutes, be changed to reflect the following: "Softener installers want to be able to install the water lines; however, they do not intend to do the drainage lines."

Blake Jones, President of the Idaho Water Quality Association, stated at the January 2011 Plumbing Board meeting that the Association met in November 2010 and unanimously voted their desire to work with the subcommittee and the Idaho Plumbing Board to establish an acceptable licensing program that would work for all parties involved.

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 12

Exam Development Subcommittee Report

OBJECTIVE: To create a journeyman exam based on the proposed Idaho State Plumbing Code (ISPC).

ACTION: Informational

BACKGROUND: In February 2010, a subcommittee was established to address issues related to examination of applicants for licensure in the plumbing industry. Gordon Smythe and Dan Long were appointed as co-chairs.

In July 2010, a list of 17 fixtures was created to be used for residential and/or commercial practical exams in school lab settings or job sites in progress. The practical would consist of successfully plumbing seven fixtures, to include a hot water heater.

The subcommittee received copies of the proposed ISPC at the November 2010 meeting. Steve Keys provided the background on the exam development process. John Nielsen supplied a previously generated 100 question placement test. Each member was given two chapters from the proposed ISPC and asked to create a minimum of five questions per designated chapter.

At the January 2011 meeting, the subcommittee looked through each chapter of the proposed ISPC to determine the number of questions required to generate the new journeyman exam. The subcommittee opted to contact IAPMO and use the 2009 UPC Study Guide as a resource.

At the March 2011 meeting, drawings created by Ed Howland for his apprentice classes/exams were distributed. Members were asked to review the drawings prior to the April meeting, at which time the subcommittee would decide whether to incorporate them into future journeyman exams.

Each question in chapters one, two, and three of the 2009 UPC Study Guide were rated on a scale of one to ten. The rating was based on the number of individuals to possibly answer each question correctly.

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 13 Testing Upon Completion of Apprenticeship Schooling

OBJECTIVE: To allow apprentices the opportunity to take the journeyman exam after the completion of the schooling portion of the program without the necessary 8,000 hours work experience.

ACTION: Informational

BACKGROUND: At the May 2010 Idaho Electrical Board meeting, the Electrical Board requested the Division provide a draft rule to change the requirement for taking the journeyman exam. The Division provided, and the Electrical Board approved, the proposed rule at the July 2010 Idaho Electrical Board meeting. Below is an explanation of the proposed changes:

“The proposed rule will require each apprentice to register for a period of five (5) years, and eliminate the requirement that such apprentices prove that they are employed and enrolled in an instructional program in order for the apprentice registration to be valid. Instead, the rule will provide that evidence of completion of the required number of employment and instructional hours must be provided to the Division of Building Safety in order for an apprentice to be eligible to take the journeyman exam. Additionally, it will permit an apprentice to take the journeyman examination upon the completion of three (3) years of work experience (6,000 hours) if they have completed their schooling. It also clarifies what a qualified apprenticeship program is for the purposes of the exemption to work experience categories.”

The proposed rule was submitted and passed the 2011 legislature; becoming effective April 7, 2011.

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 14 Adoption of the 2010 Green Plbg/Mech Code Supplement

OBJECTIVE: To consider the adoption of the 2011 Green Plumbing and Mechanical Code (chapters 1, 2, 3, 4, 5, 6, 9, and 11, along with Appendices A & B) as a supplement to the Uniform Plumbing Code.

ACTION: Informational

BACKGROUND:

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 15 Plumbing Contractors Renting Their Licenses

OBJECTIVE: To discuss whether plumbing contractors can legally allow an individual to rent their licenses, and if so, to come up with a solution to the issue.

ACTION: Informational

BACKGROUND: John Nielsen has received numerous calls from contractors wondering what, if any, the Division plans to do about Plumbing contractors renting out their licenses.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAPA 07 TITLE 02 CHAPTER 05

07.02.05 - RULES GOVERNING PLUMBING SAFETY LICENSING

000.LEGAL AUTHORITY. In accordance with Section 54-2605(1), Idaho Code, the Idaho Plumbing Board shall make, promulgate, and publish such rules as may be necessary for carrying out the provisions of this act in order to effectuate the purposes thereof and for the orderly and efficient administration thereof, and except as may be limited or prohibited by law and the provisions of this act, such rules so made and promulgated shall have the force of statute. (2-26-93)

001.TITLE AND SCOPE. These rules shall be cited as IDAPA 07.02.05, “Rules Governing Plumbing Safety Licensing,” Division of Building Safety. These rules prescribe the criteria for the issuance of licensing for plumbing installations. (2-26-93)

002.WRITTEN INTERPRETATIONS. This agency has written interpretations of this chapter in the form of legal memoranda. (2-26-93)

003.ADMINISTRATIVE APPEALS. IDAPA 04.11.01, “Idaho Rules of Administrative Procedure of the Attorney General,” govern license revocation/ suspension proceedings. (2-26-93)

004. REGISTRATION. An applicant for any plumbing registration or certificate of competency who has been previously licensed as a journeyman or master plumber in any recognized jurisdiction is required upon application to the Division of Building Safety to disclose such licensure history and provide sufficient proof thereof. An applicant for any plumbing registration or certificate of competency who has been previously licensed as a journeyman or master plumber in any recognized jurisdiction shall not be issued a plumbing apprentice registration.

005.—010. (RESERVED).

Oregon

We do not have any temporary work licenses or permits. Many years ago we had a temporary plumbing license or at that time certificate of competency. However, our Attorney General asked how someone could be temporarily competent? They would have to be qualified or they are not qualified. The rule was removed.

Today we have no reference in rule or statute to a temporary license. The laws simply say if you do plumbing work you must be licensed or exempt from licensing.

I hope this information is helpful to you.

Terry Swisher
Chief Plumbing Inspector
State of Oregon
503-373-7488

Utah

On page 3 of Utah's application for licensure, #5 states:

Temporary License: The state of Utah does not issue temporary licenses to plumbers. You must obtain your license **prior** to performing any plumbing work. Credit for unlicensed work time in Utah will not be granted.

Washington

You need a temporary permit if you are an active out-of-state journeyman plumber, domestic pump specialty plumber, or a residential specialty plumber residing in a state that does not have a reciprocal agreement with Washington and you would like to work as a plumber in Washington. Temporary permits are not issued for installers of medical gas piping systems.

Temporary permits are not issued for the backflow assembly maintenance and repair specialty. Therefore, WAC 296-400A-030 through 296-400A-033 does not apply to this specialty.

A temporary permit is valid for one hundred twenty days and is nonrenewable.

IDAHO PLUMBING BOARD

Agenda Item No. 17

2009 Uniform Solar Energy Code

OBJECTIVE: To see if the Board would like to adopt the 2009 Uniform Solar Energy Code as a supplement to the Uniform Plumbing Code or incorporate it as originally planned as a part of the Idaho State Plumbing Code. Possible action item for the July 21st meeting.

ACTION: Informational

BACKGROUND: A subcommittee was created at the February 25, 2009 Board meeting to develop a proposed Idaho Plumbing Code. It was also agreed to address the inclusion of the Solar Energy Code within the proposed code.

PROCEDURAL HISTORY: At the July 30 2009 Board meeting the subcommittee recommended to the Board that the Solar Code be adopted as part of the ISPC. Milford Terrell made a motion to accept the proposed Solar Energy Code and Dan Long seconded.

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 18

Plumbing Program Manager Report

OBJECTIVE: To update the Board on the Plumbing Program's current activities.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Plumbing Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 19

Operational Report

OBJECTIVE: To update the Board on the operations of the Plumbing Program.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Plumbing Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 20a

CAS Update

OBJECTIVE: To update the Board on current changes to the Division's computer program.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Plumbing Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation



IDAHO PLUMBING BOARD

Agenda Item No. 20b

Financial Report

OBJECTIVE: To review the Plumbing Program's Financial Report.

ACTION: Informational

BACKGROUND:

PROCEDURAL HISTORY: This topic is addressed at all regularly scheduled Idaho Plumbing Board meetings.

ATTACHMENTS: Idaho Plumbing Board Fund – Fiscal Year 2011 Financial Statements





Division of Building Safety
 IDAHO PLUMBING BOARD FUND
 Fiscal Year 2011 Financial Statements
 As of 3/31/2011

Statement of Revenues and Expenditures

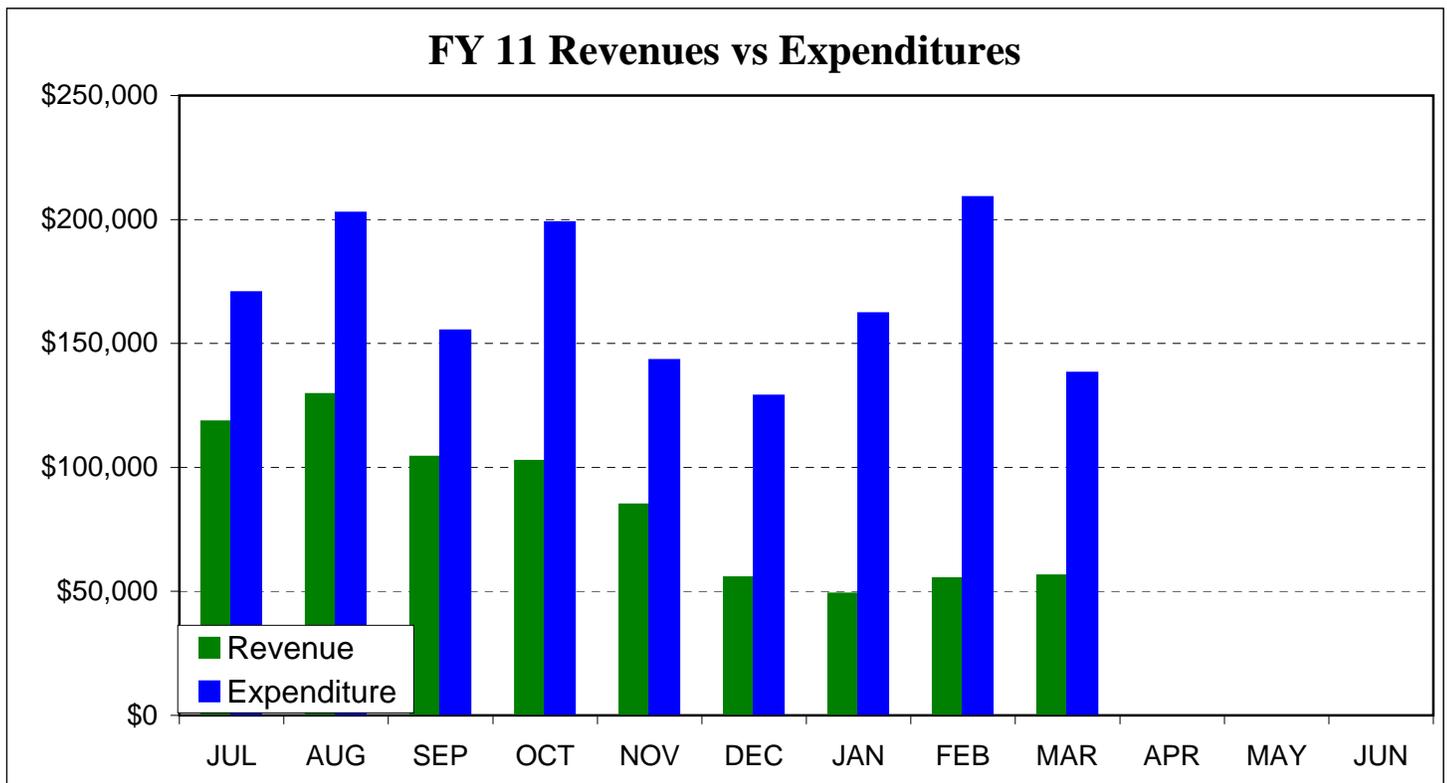
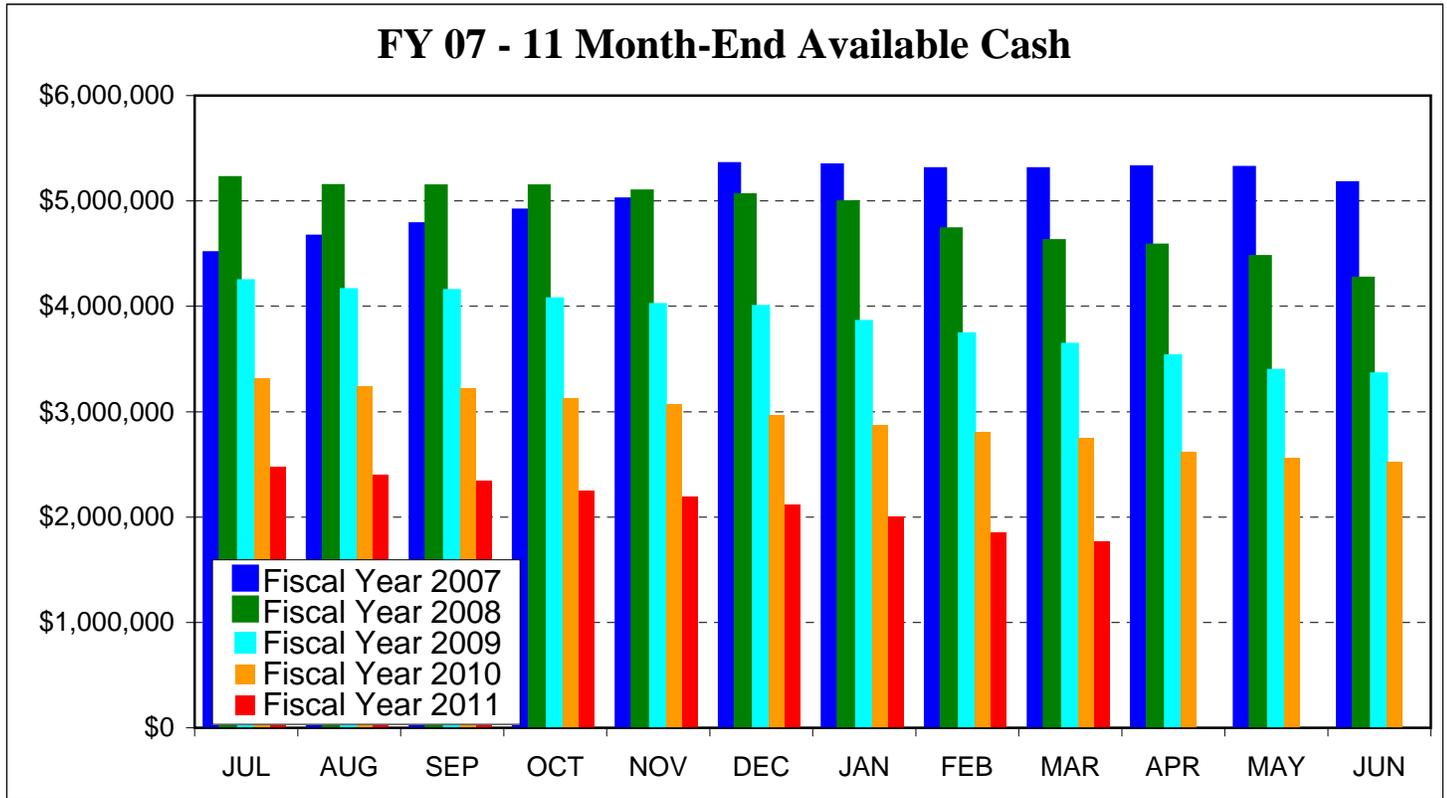
Class	Budget	Fiscal Year To Date	YTD as a % of Budget *	Remaining Budet	Projected for Remainder of Projected Year	Projected Year End Totals	Projected Total as a % of Budget
Revenues:	1,200,000	755,645	63.0%	444,355	364,000	1,119,645	93.3%
Expenditures							
Personnel:	1,600,000	1,096,623	68.5%	503,377	380,100	1,476,723	92.3%
Operating:	395,000	382,438	96.8%	12,562	84,000	466,438	118.1%
Capital:	45,000	29,324	65.2%	15,676	35,000	64,324	142.9%
Total Expenditures	2,040,000	1,508,385	73.9%	531,615	499,100	2,007,485	98.4%
Net for FY 2011	(840,000)	(752,740)			(135,100)	(887,840)	

Statement of Cash Balance

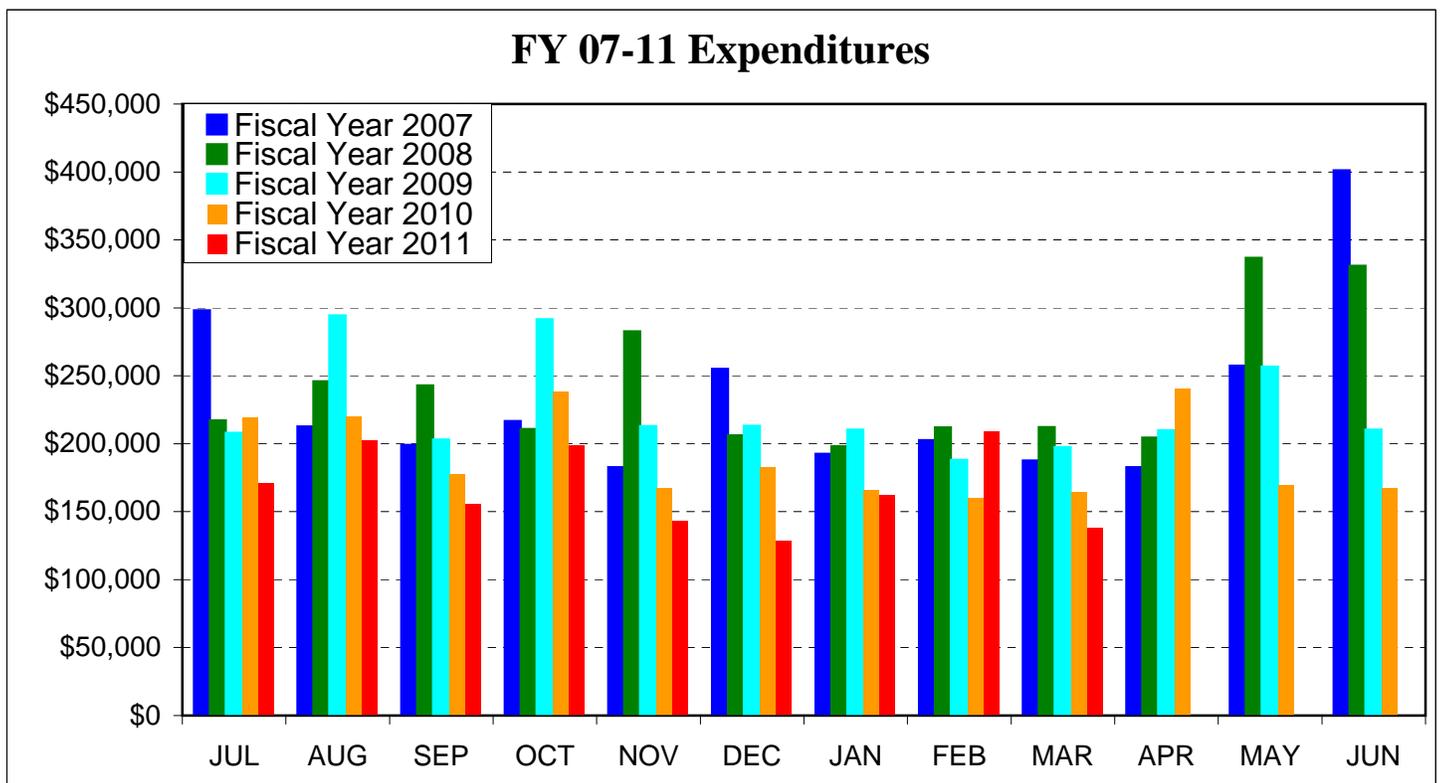
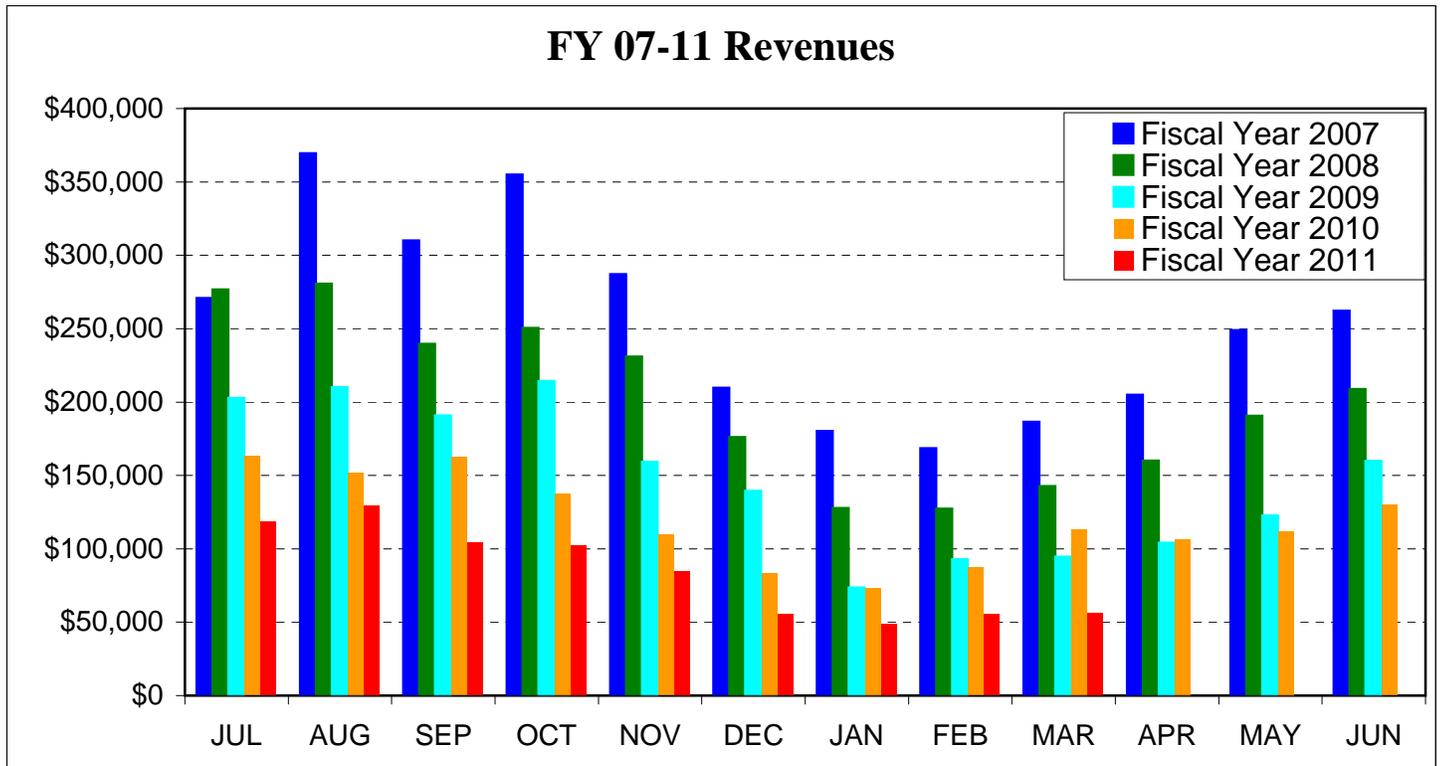
Beginning Cash Available	Revenues	Expenditures and Encumbrances	Other Changes in Cash	Available Cash	Projected Change in Cash for Remainder of Year	Projected Year End Available Cash
2,520,556	755,645	(1,508,385)	3,104	1,770,920	(135,100)	1,635,820

* Percent of Fiscal Year Completed 75.0%
 Percent of Pay Periods Completed 73.1%

IDAHO PLUMBING BOARD FUND



IDAHO PLUMBING BOARD FUND



FY 2011 REVENUE / EXPENSES

PLUMBING BOARD

JUL AUG SEP OCT NOV DEC JAN FEB MAR TOTAL

Revenues

REGULATORY LICENSES	10,382.60	10,014.20	9,358.30	5,533.70	9,427.40	8,207.50	4,585.60	3,071.80	3,938.50	64,519.60
INSPECTION FEE	106,509.29	117,510.10	93,713.59	96,728.67	74,979.56	46,364.96	43,951.32	52,122.31	52,314.57	684,194.37
FINES	1,500.00	1,400.00	1,100.00	470.00	700.00	1,100.00	400.00	-	-	6,670.00
OTHER - SALE OF VEHICLES, RENT	-	-	-	(153.00)	-	(281.20)	129.60	-	-	(304.60)
TOTAL REVENUE	118,391.89	128,924.30	104,171.89	102,579.37	85,106.96	55,391.26	49,066.52	55,194.11	56,253.07	755,079.37

Expenditures

Personnel										
GROSS SALARY & WAGES	95,614.27	87,207.69	86,016.87	126,375.11	84,450.29	82,991.66	83,677.09	79,644.96	78,910.48	804,888.42
EMPLOYEE BENEFITS	39,699.66	37,306.61	35,665.11	43,632.10	17,854.55	17,557.05	34,197.82	33,145.52	32,675.92	291,734.34
TOTAL PERSONNEL COSTS	135,313.93	124,514.30	121,681.98	170,007.21	102,304.84	100,548.71	117,874.91	112,790.48	111,586.40	1,096,622.76

Operating										
COMMUNICATION SERVICES	2,844.41	3,948.08	3,424.85	2,442.72	3,650.59	3,202.35	2,883.68	2,927.23	2,952.03	28,275.94
EMPLOYEE DEVELOPMENT	15.00	139.80	235.00	362.00	482.48	234.42	783.17	433.25	411.49	3,096.61
GENERAL SERVICES	377.25	465.47	376.15	272.68	171.42	213.12	506.39	2,663.25	204.61	5,250.34
PROFESSIONAL SERVICES	18.50	3,014.00	-	-	-	-	85.87	-	220.80	3,339.17
REPAIR & MAINT SERVICES	3,980.45	3,878.36	880.70	6,041.63	4,387.49	4,253.17	12,409.67	51,471.58	2,923.22	90,226.27
ADMINISTRATIVE SERVICES	-	59.25	566.50	48.75	-	3.20	477.96	-	-	1,155.66
COMPUTER SERVICES	377.24	1,321.58	2,456.97	1,427.15	7,946.63	1,372.13	3,011.52	1,285.38	1,528.33	20,726.93
EMPLOYEE TRAVEL COSTS	893.73	545.95	105.94	1,056.35	1,095.33	(5.81)	182.65	1,158.38	353.15	5,385.67
ADMINISTRATIVE SUPPLIES	1,152.28	567.63	1,096.06	328.02	540.94	184.82	626.12	225.07	437.77	5,158.71
FUEL & LUBRICANTS	6,023.29	5,782.82	5,686.55	6,057.08	5,708.10	5,118.42	5,631.34	5,063.25	5,123.10	50,193.95
COMPUTER SUPPLIES	474.05	3,899.38	2,143.53	337.45	296.44	358.20	1,250.24	648.31	293.81	9,701.41
REPAIR & MAINT SUPPLIES	227.94	(220.94)	-	-	20.68	(17.18)	124.59	53.12	83.66	271.87
SPECIFIC USE SUPPLIES	363.27	136.99	102.96	59.46	306.87	152.47	224.95	(9.60)	150.82	1,488.19
INSURANCE	-	-	1,425.69	-	-	-	-	-	-	1,425.69
RENTALS & OPER LEASES	13,904.50	9,410.36	9,755.18	9,854.47	9,955.16	9,882.72	14,584.28	9,534.01	10,201.20	97,081.88
MISC EXPENDITURES										
CREDIT CARD FEES	1,996.21	2,099.92	1,996.37	-	3,950.68	1,524.98	1,189.02	1,189.08	1,317.24	15,263.50
PAYMENTS TO OTHER JURISDICTIONS	803.75	476.14	398.06	386.49	430.70	264.68	214.90	146.80	297.36	3,418.88
GOVERNMENTAL OVERHEAD	-	-	-	-	-	-	-	-	-	-
PAYMENTS TO OTHER STATE AGENCIES	-	40,016.90	-	-	-	-	-	-	-	40,016.90
ADMIN RULE EXPENSE	676.50	-	-	159.50	-	75.00	-	-	-	911.00
OTHER	-	-	-	-	-	-	-	-	-	-
TOTAL OPERATING COSTS	34,128.37	75,541.69	30,650.51	28,833.75	38,943.51	26,816.69	44,186.35	76,789.11	26,498.59	382,388.57

Capital Outlay										
COMPUTER EQUIPMENT	-	534.40	2,806.77	-	-	1,423.08	-	-	-	4,764.25
MOTORIZED EQUIP	1,125.00	-	-	-	-	-	-	19,377.70	-	20,502.70
SPECIFIC USE SUPPLIES	-	2,034.50	-	-	2,022.53	-	-	-	-	4,057.03
TOTAL CAPITAL OUTLAY	1,125.00	2,568.90	2,806.77	-	2,022.53	1,423.08	-	19,377.70	-	29,323.98

TOTAL FY 2010 EXPENDITURES	170,567.30	202,624.89	155,139.26	198,840.96	143,270.88	128,788.48	162,061.26	208,957.29	138,084.99	1,508,335.31
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REVENUE / EXPENSES

4/22/2011

For the 9 months ended March 31st

PLUMBING BOARD

		FY 2008	FY 2009	FY 2010	FY 2011
Revenues					
	REGULATORY LICENSES	60,386.65	40,203.22	98,027.32	64,519.60
	INSPECTION FEE	1,716,916.96	1,297,562.25	978,756.41	684,194.37
	FINES	11,365.00	19,112.00	2,850.00	6,670.00
	OTHER - SALE OF VEHICLES, RENT	63,302.59	20,423.90	3,026.55	(304.60)
TOTAL REVENUE		1,851,971.20	1,377,301.37	1,082,660.28	755,079.37
Expenditures					
Personnel					
	GROSS SALARY & WAGES	1,159,625.61	1,171,141.41	957,327.40	804,888.42
	EMPLOYEE BENEFITS	444,831.76	472,612.81	380,305.55	291,734.34
TOTAL PERSONNEL COSTS		1,604,457.37	1,643,754.22	1,337,632.95	1,096,622.76
Operating					
	COMMUNICATION SERVICES	65,088.96	55,435.39	43,897.85	28,275.94
	EMPLOYEE DEVELOPMENT	14,364.98	8,158.56	2,515.95	3,096.61
	GENERAL SERVICES	38,562.37	32,530.61	3,336.46	5,250.34
	PROFESSIONAL SERVICES	14,581.28	3,144.66	1,804.02	3,339.17
	REPAIR & MAINT SERVICES	56,625.67	35,701.90	42,112.08	90,226.27
	ADMINISTRATIVE SERVICES	1,036.50	559.02	1,148.69	1,155.66
	COMPUTER SERVICES	46,760.59	17,381.95	5,757.67	20,726.93
	EMPLOYEE TRAVEL COSTS	14,435.28	12,736.31	6,277.93	5,385.67
	ADMINISTRATIVE SUPPLIES	23,837.90	9,381.78	5,090.45	5,158.71
	FUEL & LUBRICANTS	70,550.45	64,940.69	49,446.04	50,193.95
	COMPUTER SUPPLIES	16,346.38	10,324.18	10,313.61	9,701.41
	REPAIR & MAINT SUPPLIES	1,405.69	476.74	267.47	271.87
	SPECIFIC USE SUPPLIES	8,923.62	2,682.15	1,294.97	1,488.19
	INSURANCE	5,556.96	5,977.17	4,231.80	1,425.69
	RENTALS & OPER LEASES	15,272.63	15,332.45	106,623.45	97,081.88
	MISC EXPENDITURES	26,574.27	36,168.04	69,179.26	59,610.28
TOTAL OPERATING COSTS		419,923.53	310,931.60	353,297.70	382,388.57
Capital Outlay					
	COMPUTERS, VEHICLES & EQUIPMENT	2,872.44	63,776.45	4,391.94	29,323.98
TOTAL CAPITAL OUTLAY		2,872.44	63,776.45	4,391.94	29,323.98
TOTAL FY EXPENDITURES		2,027,253.34	2,018,462.27	1,695,322.59	1,508,335.31

IDAHO PLUMBING BOARD

Agenda Item No. 20c

Administrator

OBJECTIVE: To provide the Board with an overview of the Division's current activities.

ACTION: Informational

BACKGROUND: This topic is addressed at all regularly scheduled Idaho Plumbing Board meetings.

PROCEDURAL HISTORY:

ATTACHMENTS: No documentation

