MAINE FUEL BOARD

2019 CODE REVIEW

WELCOME

Maine Fuel Board

Inspectors County Assignments

BRUCE BRISTOW	CECIL HAFFORD	DALE HERSEY	PETER HOLMES
Franklin	Aroostook	Waldo	Androscoggin
Sagadahoc	Washington	Somerset – North of Bingham	Cumberland
Lincoln	Hancock	Knox	York
Kennebec	Penobscot – North of Lincoln	Piscataquis	Oxford – South of South Paris
Oxford – North of South Paris		Penobscot – South of Lincoln	
Somerset – South of Bingham			

Maine Fuel Board Phone Numbers

Mary Lord, Lic. Supvsr. Peter Holmes, Sr. Inspect. 624-8627 446-2826

Dale Hersey, Inspect. Cecil Hafford, Inspect. Bruce Bristow, Inspect. 592-5864592-5043592-4516

Condensate Disposal

Condensate from fuel fired appliances must be piped to the building sewage disposal system or into a **SUMP** (check local plumbing rules)

If there are no available openings in the existing plumbing system.. (Basement sink, washing machine drain)

A plumber must install one



The entirety of the condensate drain must be accessible for visual inspection.



Condensate from fuel fired appliances must be neutralized prior to disposal.



The use of copper tubing for condensate disposal is prohibited.



Condensate Pumps

When a pump is utilized, each appliance shall have its own condensate pump. The pump must be interlocked with the appliance to prohibit the appliance from operating if the pump fails.



Relay utilized to respond to condensate pump and shut appliance down on pump failure.

Taco

A COLOR OF THE ASSA

PORER

TONE

SR501

Vinyl tubing may only be used to direct condensate vertically, to a point where it is possible to connect to a horizontal gravity condensate drain.





The gravity condensate drain (waste pipe) must consist of a corrosion resistant material

PVC or CPVC



The waste pipe must maintain a slope of 1/8" per foot minimum towards the approved plumbing receptacle. In single appliance installations, the waste pipe must be sized according to appliance manufacturers instructions.

Multiple condensate pumps may be connected to a single gravity waste pipe where equipped with check valves and approved by the AHJ.

Following are a few questions related to code items that we have identified as being commonly misunderstood



Can a licensed oil burner technician or propane / natural gas installers make hot and cold water connections to existing piping outside of the room where an installation is taking place?

Can a master or journeyman oil technician clean a combination unit and service and repair the oil burner assembly without direct supervision if he or she is licensed as an apprentice solid fuel technician?

Can a master or journeyman oil technician install and supply power to unit and kick space heaters?

Can an oil tank be left in place when converting to another type of fuel?

When replacing an oil or propane fired appliance, must the technician ensure that the clearance to combustibles from the inside chimney meets the 2" requirement? How many gallons capacity of oil can be put in a building where the tanks are not in a dedicated room?

1320 gallons Or 1375 gallons?

Can a chimney connector extend through a basement ceiling in order to connect to an outside chimney? If a chimney is 45' tall and the thimble is 5' off the floor, what is the maximum length the chimney connector can be? Can a ball valve be installed in a return line between the burner and the oil tank? Does 10' of clearance have to be maintained between any air inlet and any flue gas outlet of any appliance to an oil tank vent termination? Can a used oil-burning (waste oil) furnace be installed in a residential garage? Is there any required distance between a flue gas outlet of an oil-burning appliance and a soffit? When a gas-burning appliance and an oil-burning appliance are connected to the same chimney, can the gas appliance be located on a different level of the building? Can a service switch box be mounted to another box by only using an offset connector? Can a gas-fired room heater be installed in a college dormitory? Do all indirect-fired water heaters require the installation of a vacuum breaker? Do unions have to be installed within 18" of a water tank in the domestic hot and cold pipes?

Table 6.5.29 Minimum Thickness for Steel Pipe Connectors

Thickness		
Pipe Diameter	Sheet Metal	
(in.)	Gauge	
Up to 9	26	
>9 up to 10	24	
>10 up to 16	22	
>16	16	

NFPA 211

NFPA 31

Do these look the same?

Table 9.2.2.3 Metal Thickness for Steel Pipe Connectors

Diameter of Connector		Sheet -	Minimum Thickness	
in.	mm	Gauge No.	in.	mm
<6	<152	26	0.019	0.48
≥6 to ≤10	≥152 to <254	24	0.024	0.61
>10 to ≤16	>254 to	22	0.029	0.74
>16	≤406 >406	16	0.056	1.42

Let's cover some of the more common issues that we see in our everyday inspections

Emergency Switch Location





Lack of Support



Lack of Support



Lack of Support



Improperly Supported



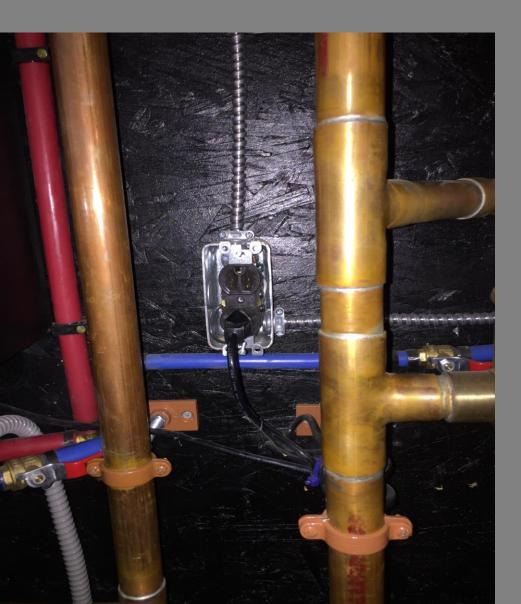


Openings In Electrical Boxes





Openings In Electrical Boxes





Box Support



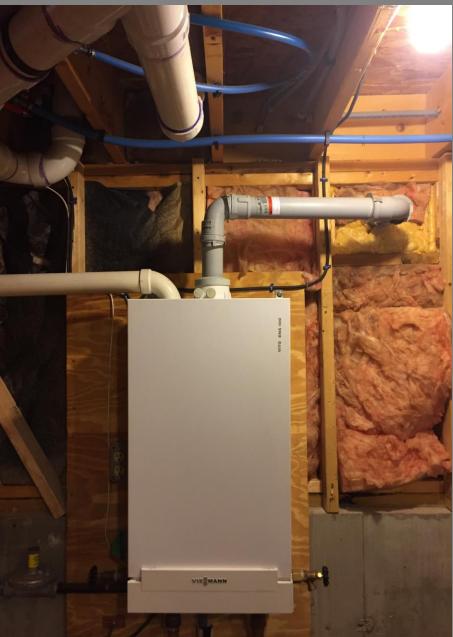


Thermal Switches





Thermal Switches





Ground





Relief Valves





Relief Valves





Backflow Vents





Pipe Support



Pipe Support

Pipe Support





Contrasting Primer





Venting Issues

Contrasting Primer



Venting Issues

Sealing





Venting Issues

Openings





Openings



Openings





Cleanouts





Leg Flanges





Oil Tank Issues

Cast Iron Fittings





Oil Tank Issues

Oil Line





Oil Tank Issues

Tank Support





Oil Tank Issues

Unions

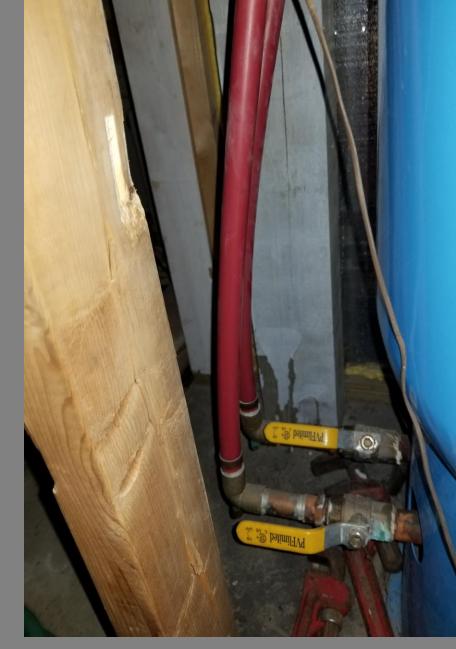




Water Heaters

PEX





Water Heaters

Remember: When replacing an appliance you must do a load calculation and keep a copy on file !

Remember: When servicing an appliance, you must perform a combustion efficiency test and post a copy of the results on site! **Questions?**

MAINE FUEL BOARD

PROFESSIONAL LICENSE VERIFICATION INSTRUCTIONS

HOW TO LOCATE: A LICENSE NUMBER, LICENSE STATUS, LICENSE TYPE AND SUPERVISOR OF RECORD

Using our online search system, you can look up the license number of any professional, verify a license status (active, expired, etc.), review the license history (date of initial licensure, licensure lapses), verify applicable authorities of a license (scope of work allowed under the license), review disciplinary action taken against a licensee and examination data (exam type applied or/completed, pass/fail, etc.).

INSTANT ANSWERS TO APPLICATION AND LICENSE QUESTIONS

AS A SUPERVISING MASTER

Our online search system may be used to verify the

current license status of any supervisees.

AS AN APPLICANT

Our online search system may be used to verify that the board

has received an application. The license status will show as "Pending" after an

application has been received and payment has been processed but the

application has not yet been reviewed/processed.

AS A LICENSEE

As an apprentice or journeyman, our online search system may be used to verify that the board has record of your supervising master.

As a licensee, our online search system may also be used to retrieve a forgotten license number. *The license search option is updated in realtime and is an accurate record of the current status of a license. The license search is available twenty-four hours a day, seven days a week.

WHAT YOU NEED TO CHECK THE STATUS OF A LICENSE OR APPLICATION First and last name of the individual (if you are unsure of the spelling of WHAT YOU NEED TO CHECK THE STATUS OF A LICENSE OR APPLICATION Full license number of the individual you would like to check.

an individual's name use the wildcard symbol % in your search, to receive a list of potential matches; OR

HOW TO VERIFY A LICENSE OR CHECK AN APPLICATION STATUS ONLINE:

TO CHECK THE STATUS OF A LICENSE OR APPLICATION PLEASE VISIT THE MAINE FUEL BOARD'S HOMEPAGE:

https://www.maine.gov/pfr/professionallicens ing/professions/fuel/index.html

DIRECTLY UNDER THE HEADER "LOOK UP A LICENSE NOW" CLICK <u>SEARCH A LICENSED</u> INDIVIDUAL OR LICENSE APPLICATION STATUS

Maine Fuel Board

IMPORTANT NOTICE REGARDING LICENSE VERIFICATION REQUESTS

Effective March 1, 2019, the Office of Professional and Occupational Regulation (OPOR) will no longer issue paper license verifications. License verifications are available, free of charge, on OPOR's official database, https://www.pfr.maine.gov/ALMSOnline/ALMSQuery/Welcome.aspx. This database is updated in real time as changes occur. The Office of Professional and Occupational Regulation considers this information to be a secure, primary source for license verification.

APPLY ONLINE NOW:

- <u>Apply for a License</u>
- <u>Apply to take an Exam</u>
- <u>Request a Duplicate License</u>
- Change Your Contact Information (Email Address, Mailing Address, Telephone Number)
- <u>Renew Online</u>
- · Notification of Master Supervision/Non-Supervision (Online PDF Notification User Guide)

LOOK UP A LICENSE NOW:

Search a licensed individual or license application status

AT THE NEXT SCREEN TITLED "SEARCH INDIVIDUALS" UNDER THE HEADER REGULATOR, CLICK THE DROPDOWN ARROW, SCROLL DOWN TO AND CLICK <u>FUEL</u>

Search Individuals

Department	
ALL	•
Agency	
ALL	•
Regulator (required)	
FUEL	•
Last Name	
First Name	
License Number	
how Additional Search Options	
Search Reset	

ENTER THE LAST NAME AND FIRST NAME OF THE INDIVIDUAL TO SEARCH. IF YOU ARE UNSURE OF THE SPELLING OF AN INDIVIDUAL'S NAME, PLEASE USE THE % SYMBOL AS A "WILDCARD" (E.G. INSTEAD OF SMITH, SM%). THE WILDCARD SYMBOL MAY BE USED IN BOTH THE LAST NAME AND FIRST NAME FIELDS.

*The license number field should only be used if you do not know the name of the individual and are sure of the full license number of the individual. In the license number field the complete license number is required, including the alpha-prefix.

AFTER THE REGULATOR HAS BEEN SELECTED, AND THE LAST NAME AND FIRST NAME OF THEINDIVIDUAL ENTERED CLICK "**SEARCH**".

Search results will include all applicants and licensees with the selected name. If an individual holds multiple licenses with the board the name will appear for each license type. For common names, multiple entries will be included. Refer to the individual's middle name/initial to ensure the appropriate

individual is selected. Click the individual's blue underlined name. Alllicense types held by the individual and current applications for the board will display on the next screen.

UNDERSTANDING LICENSE SEARCH RESULTS

ALL LICENSES/APPLICATIONS SUBMITTED TO THE BOARD BY AN INDIVIDUAL WILL APPEAR ON A SINGLE SCREEN

Each license type header will include:

- Type of license (master, journeyman, etc.)
- License number
- License status (active, expired, pending, etc.)
- Expiration date
- Licensing authority (received license after passing an examination, etc.)
- Partial mailing address (city/town, state and zip code)
- Telephone number of record with the board

ADDITIONAL INFORMATION INCLUDED FOR MASTERS:

- NAMES AND LICENSE NUMBERS OF ALL CURRENTLY SUPERVISED APPRENTICES
- NAMES AND LICENSE NUMBERS OF ALL CURRENTLY SUPERVISED JOURNEYMEN

DETAILED INFORMATION ABOUT AUTHORITIES FOR THE LICENSE TYPE ARE PROVIDED FOR ALL INDIVIDUALS, INCLUDING:

- Authority description (e.g. 1 and 2 oils up to 15 GPH, Solid Fuel, Delivery Technician, etc.)
- Authority issuance date
- Authority termination date, if applicable
- Authority status (e.g. Active, Expired, etc.)

LICENSE DISCIPLINARY ACTION IS OUTLINED IF A LICENSEE HAS RECEIVED DISCIPLINE FROM THE BOARDUNARCLUDING:

CASE INFORMATION

CASE NUMBER (CLICKING ON THE CASE NUMBER WILL PROVIDE FURTHER DETAILS ABOUT THE DISCIPLINE INCLUDING RESOLUTION DOCUMENTS, BASIS FOR THE ACTION, AND DISCIPLINE IMPOSED) ACTION

DISCIPLINARY ACTION TAKEN AGAINST THE LICENSEE CASE DOCUMENTS

DISCIPLINE IMPOSITION DATE AND ANY APPLICABLE DISPOSITION DOCUMENTS

3/18/2019

ALMS License Information : JOHN DOE

FOR DEMONSTRATION PURPOSES



DEPARTMENT OF PROFESSIONAL AND FINANCIAL REGULATION OFFICE OF PROFESSIONAL AND OCCUPATIONAL REGULATION THE MAINE FUEL BOARD

JOHN DOE

MASTER

License Number: MS300112345 Status: Active Expiration Date: 02/29/2020 Licensed By: Examination

Mailing Address: ANYTOWN, ME 04605 Primary Phone: +1 (207) 867-5309

History

License Type	Start Date	End Date	
MASTER	03/14/2016	02/29/2020	
*** NOT ACTIVE ***	03/01/2016	03/13/2016	
MASTER	02/29/2012	02/29/2016	

Supervised Apprentice (1 record) hide

P	lame	Issue Date	License Number
J	AMES SMITH	01/17/2018	AP30001234

Supervised Journeyman (1 record) hide

Name	Issue Date	License Number	
JOSHUADOE	01/25/2019	JY3001234	

Authority (1 record) hide

Description	Issue Date	Termination Date	Status
1 AND 2 OILS UP TO 15 GPH	02/29/2012		Active

License/Disciplinary Action

None.

PROPANE & NATURAL GAS TECHNICIAN

License Number: PNT1234 Status: Active Expiration Date: 10/31/2020 Licensed By: Other

Mailing Address: ANYTOWN, ME 04605 Primary Phone: +1 (207) 867-5309

History

License Type	Start Date	End Date
PROPANE & NATURAL GAS TECHNICIAN	10/09/2008	10/31/2020

Storage Tank

None.

Authority (3 records) hide

Description	Issue Date	Termination Date	Status
APPL. CONN. & SERV. TECH.	10/06/2008		Active
LARGE EQUIP & SERVICE TECH	09/23/2013		Active
TANK SETTER & PIPE TECH	10/06/2008		Active

License/Disciplinary Action

https://www.pfr.maine.gov/ALMSOnline/ALMSQuery/ShowDetail.aspx?TOKEN=749CF641228A429CFF759EBF4D1CA00A58993DFFF3EF2A9DD8B... 1/3

UNDERSTANDING LICENSE STATUS TYPE DEFINITIONS

LICENSE STATUS	DEFINITION	
Active	Authorized to operate under the given authority	
Canceled	Canceled by administrative agency order	
Denied	License denied	
Expired	License expired	
Exam Passed	Exam passed, HAS NOT applied for licensure	
Failed to renew	License is no longer eligible for renewal	
Pending	Application pending review	
Pending Exam	Application is either pending review OR applicant has been approved for examination (contact board for further details if needed)	
No Longer Affiliated	Not currently affiliated with an employer and CANNOT PRACTICE AS A LICENSEE	
Revoked	License revoked for disciplinary action or by outside agency order	
Suspended	License suspended for disciplinary action	
Withdrawn/Terminated by Licensee	License is no longer desired/needed	