THE PLUMBLINE

July 2017 Issue

GENERATORS

There has been an increasing in the number of natural gas generator installations in our state. The following are a few points to be mindful of when placing and installing a natural gas generator:

1. Many installations are additions to existing gas systems. It is vital that the gas supply for this additional load be accommodated, at times; this will require manipulation of gas pressures with regulator arrangements. Meter, valve, and regulator location restrictions should be kept in mind as the Arkansas Fuel Gas Code, Electrical Code and Fire Code as well as natural gas regulator manufactures instructions will all have a bearing on this matter. Vented gas regulators are, as a rule, to have 3 feet of separation from ignition sources, air intakes, and openings into the building.

2. A proper connection between the gas system and generator is required.
   a. Most generator manufactures provide an approved flexible connector designed to limit the amount of vibration transferred from the internal combustion engine to the gas piping system.
   b. Other manufactures' instructions require "listed and labeled connector" meeting specific ANSI standards.
   c. While corrugated stainless steel tubing (CSST) may be directly connected to many stationary appliances, CSST is not to be connected to a vibrating engine such as a generator. CSST is not to be connected directly to any appliance in which there may be movement.

CRISIS AVERTED

On a recent morning as City of Hardy inspector, Billy Gilbreath was refueling his vehicle. He noticed steam coming from an adjacent restaurant. Upon further investigation he discovered that the T&P on the restaurant's boiler was deploying and discharging steam and water from the relief line piped to the outside of the building. He immediately notified the owners and had the system shut down until repairs could be made. Fortunately, the combination of the T&P functioning as designed and the trained eye of a professional in the plumbing industry averted a potential catastrophe. **Good Job Billy!**

JAMES (JIM) BRILEY OBITUARY

James T. Briley, Jr., 72, of Little Rock passed away Monday, May 29th. He was born in Little Rock on March 12, 1945 to parents Lorene and James T. Briley, Sr. who preceded him in death.

Jim's father James Briley, Sr. was formerly employed with the Plumbing & Natural Gas Section of the Arkansas Department of Health as a longtime inspector back in the 60's & 70's.

Jim was a member of Church of the Word. He was a master plumber and retired from the Planning Department of the City of North Little Rock with 15 years of service as a HVAC/R and Plumbing Inspector. Jim was also a Master Mason and a member of the Gold Wing Road Riders Association and the Aircraft Owners & Pilots Association.

The plumbing industry lost a good one with the passing of Jim. May the Briley family find peace during this difficult time.

ARKANSAS DEPARTMENT OF Health
Keeping Your Hometown Healthy

WHEN IS SINGLE WALL FLUE OK TO USE

Single-wall metal vent pipe is very limited in scope of use. Section 503.7 pertains to Single-wall metal pipe and explains it limitations, some of the limitations include; single-wall metal pipe shall not originate in an unoccupied attic or concealed space and shall not pass through any attic, inside wall, concealed space, or floor. Additionally, the limitations of use for single-wall vent connectors may be found in **Section 503.10,** some of the limitations include; Single-wall connectors shall not pass through any wall, floor or ceiling, except as permitted in Sections **503.7.4 and 503.10.15.**

Example: In a residential structure; a gas water heater is installed in a closet located in the garage. The single wall connector from the water heater to the ceiling is permissible then connected to type B vent material before entering the attic. Section **503.10.2.2** pertains to this situation;

503.10.2.2 Vent connectors located in unconditioned areas.

Where the vent connector used for an appliance having a draft hood or a Category I appliance is located in or passes through attics, crawl spaces or other unconditioned spaces, that portion of the vent connector shall be listed Type B, Type L or listed vent material having equivalent insulation properties.

Exception: Single-wall metal pipe located within the exterior walls of the building (meaning inside the building) in areas having a local 99-percent winter design temperature of 5°F (-15°C) or higher shall be permitted to be used in unconditioned spaces other than attics and crawl spaces.

Located on page 117 of the Arkansas Gas Code (figure B-19) is a map that shows the 99-percnet winter design temperatures of the United States. If you look at the temperature lines of Arkansas, you see that the State is mainly between 17ºF to the South and above 5ºF to the North. According to this map a single-wall flue pipe may be used in an unconditioned space if that space is located within the exterior walls of the building.

COMMITTEE OF PLUMBING EXAMINERS HEARINGS FOR 2016 & 2017

NAME	*LIC. STATUS*	*FINE*	*CITY*
Ton Inglehart	Unlicensed	$ 250	Hot Springs
Brad Fason	Master Plbr	$2,000	NLR
Allen Davis	Unlicensed	$4,000	Texarkana
Jack Morreto	Master Plbr	$1,000	Bentonville
Nathan Kemper	Unlicensed	$4,000	Conway
Jimmy Elkins	Master Plbr	$ 500	Cabot
Christopher Row	Unlicensed	$ 250	Cabot
Josh Johnson	Master Plbr	$1,000 & Rev	Springdale
Kenneth Mock	Unlicensed	$ 250	Paragould
Ronald Rogers	Unlicensed	$ 500	Bryant
Kurt Moore	Unlicensed	$4,000	Lexa

2017 Inspector Training Dates
(Bring Code Books!)

08.10.17 08.11.17	A.R.W.A 240 Dee Dee Lane	* Lonoke
09.14.17 09.15.17	Paragould Com. Center 3404 Linwood Drive	Paragould
10.12.17 10.13.17	NW Ark Com College # 1 College Drive	Bentonville
11.16.17 11.17.17	Dardanelle Com Center 2011 Hwy 22	Dardanelle

2018 Inspector Training Dates
(Bring Code Books!)

01.11.18 - 01.12.18	A.R.W.A. 240 Dee Dee Lane	*Lonoke
02.08.18 - 02.09.18	Ouachita Technical College Lector Hall #1 College Circle	Malvern
03.15.18 - 03.16.18	Baxter Co. Emergency Service Training Center 170 Dillard Road	Midway
04.12.18 - 04.13.18	UA Community College Hempstead Hall 2500 S. Main Street	Hope
08.09.18 - 08.10.18	A.R.W.A 240 Dee Dee Lane	* Lonoke
09.13.18 - 09.14.18	Paragould Com. Center 3404 Linwood Drive	Paragould
10.11.18 - 10.12.18	NW Ark Com College # 1 College Drive	Bentonville
11.15.18 - 11.16.18	Dardanelle Com Center 2011 Hwy 22	Dardanelle

!! Registration required for Lonoke Schools only !!

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DO YOU HAVE SOMETHING TO SAY?

If you would like to offer comments, suggestions, or ideas for articles, please let us know. The articles must be about industry related activities such as public service announcements, obituaries, technical papers, or opinions. You may contact Bob Higginbottom @ 501-661-2642.