

Lyons Sara

From: Lyons Sara
Sent: Thursday, April 9, 2020 2:51 PM
To: [REDACTED]
Subject: NTSB Inquiry -- 3515 Durango Dr (PLD18FR002)

Good afternoon, Mr. Kirk,

Thanks for talking with me earlier today. As we discussed, the following request is to collect information for the incident that occurred on February 22, 2018 at 3515 Durango Drive, Dallas, Texas. In lieu of a formal interview, the NTSB is requesting the following information regarding post-incident testing that you performed at this property.

Please provide as much information as you can. If there are details that you do not know or cannot recall, that is okay. We would rather you did not guess.

If possible, please provide your response by Thursday, April 16, 2020.

Feel free to reach out to me if you have any questions on this request or need additional information.

Thanks,
-Sara

Information Requested

- 1) Please describe your work experience and qualifications to perform work on customer-owned natural gas piping, including:
 - a. Current title
 - b. Job description
 - c. Years of experience
 - d. Certifications/Licenses, including how long you have held them
 - e. Any relevant information not specifically requested
- 2) Describe the testing that was requested and any preparations that were performed.
 - a. What testing was requested?
 - b. Who requested it?
 - c. Was the day of the testing your first time visiting the property? If not, please describe any other visits and what was done at the property each time you were there.
 - d. Were any preparations performed prior to completing the testing? If so, please describe them.
- 3) Describe the testing that was done at 3515 Durango Drive.
 - a. What day and time (if known) was the testing performed?
 - b. Who (name and represented organizations, if available) was present to witness the testing?
 - c. What was the condition of the property when you arrived? Was there any visual evidence of damage to the customer-owned natural gas piping?
 - d. How many natural gas appliances were in the home? Provide the brand/model/year if known. Did any of the appliances have a standing pilot?
 - e. Describe the testing that was performed and the results that were achieved.
- 4) Describe the results overall.

- a. Based on your assessment, were there any indications that the customer-owned natural gas piping, appliance supply lines, or appliances were leaking? If so, identify the location of the leaks and whether they were large enough to be considered hazardous?
- b. Were there any potential natural gas sources that you were not able to test? For example, were all appliance supply lines tested? Was the customer-owned piping which ran from the meter to the isolated appliances tested? Were the appliances tested or inspected?
- c. Was there damage to the customer-owned natural gas system that prevented you from evaluating its performance?
- d. Was this testing completed in accordance with a City of Dallas permit? If so, did an inspector observe any of the testing or follow-on work?

5) Following the testing, did you perform any additional work at this property? If so, please describe it.

Sara Lyons, P.E.

Pipeline Investigator

Office of Railroad, Pipeline and Hazardous Materials Investigations

National Transportation Safety Board



MESQUITE PLUMBING, INC.

DALLAS, TX 75336-0661

PHONE #

FAX #

4-21-2020

To: Sara Lyons
Pipeline Investigator
Office of Railroad, Pipeline and Hazardous Materials Investigations
National Transportation Safety Board

Re: NTSB Inquiry – 3515 Durango Dr (PLD18FR002)
Information Requested; Response

- 1) a President Mesquite Plumbing Inc.
b Responsible Master Plumber for Mesquite Plumbing Inc. overseeing day to day operations.
c 39 years, full time.
d Texas State Board of Plumbing Examiners
Journeyman Plumber license acquired in 1983.
Master Plumber license M22170 acquired 4/26/2000 to present.
Endorsement: Responsible Master Plumber
Railroad Commission M/J Plumber LPG registration... approximately 15 years.
e I have designed, installed, repaired and tested commercial and residential low pressure and medium pressure gas piping systems for more than 35 years.
- 2) a Visual observation and pressure testing of gas lines and video inspection of sanitary drain lines.
b Burt Barr and Associates arranged for me and my team to perform testing and anyone present could make request.
c No. We visited the property on 3/14/2018 to evaluate the job site.
d Introduced myself and my team. Question and answer sessions with all attendees. Agreed upon testing protocols among attendees.
- 3) a 3/15/2020 9:00 a.m. to mid afternoon.
3/20/2020 9:00 a.m. all day.
b I will refer to Forest Nelson with Burt Barr and Associates for list of attendees.
c There was evidence of an explosion and fire. The only damage I recall to the gas piping was the flex connector at the stove was disconnected from the stove. I was told the fire department had removed the stove from the house.
d There were three gas appliances... cook stove, water heater and furnace. I do not recall brand name, model # or year. No standing pilots.
e Testing was measured by installing a manometer at the meter riser. Air pressure added to the system to equal 7" WC up to all appliance stops. The stops were later opened one at a time to water heater and furnace allowing pressure test to appliance control valves. The appliance flex connector for the stove was tested separately. Air was also bled out of system to show the accuracy of the manometer. No leaks were indicated with any of the test administered.

Continue

David A Kirk State License # M-22170

Regulated by the Texas State Board of Plumbing Examiners, Austin, Texas 78765, Phone #

MESQUITE PLUMBING, INC.

[REDACTED]
DALLAS, TX 75336-0661

PHONE # [REDACTED]

FAX # [REDACTED]

Page 2

- 4) a Based on my assessment and testing there were no indications that any of the gas piping system was leaking or malfunctioning.
- b No... All components of the gas piping system and appliance connectors were tested. Visual inspection of the gas appliances was performed but operation with gas being supplied was not performed on site.
- c No.
- d A permit was acquired from the city of Dallas Building Inspection Department by Mesquite Plumbing Inc. to allow work at the location. The system was tested with normal operating pressure. No one from the City of Dallas Building Inspection Department was called out to observe any of the testing.
- 5) Mesquite Plumbing Inc. did not perform any additional work at this location after the gas system testing was complete.

Regards,

David Kirk
President
Mesquite Plumbing Inc.

David A Kirk State License # M-22170

Regulated by the Texas State Board of Plumbing Examiners, [REDACTED] Austin, Texas 78765, Phone # [REDACTED]