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Nichol Gray

From: Tim Crose
Sent: Wednesday, June 14, 2017 8:42 AM
To: Nichol Gray
Subject: FW: Concerns/Questions
Attachments: Leadbetter farms summary note.docx

From: Jacob Brundage [mailto:brundage@pcfd1.org]
Sent: Monday, June 12, 2017 10:16 AM
To: Tim Crose <tcrose@co.pacific.wa.us>
Subject: FW: Concerns/Questions



Jacob Brundage

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From: Jacob Brundage
Sent: Friday, June 09, 2017 3:57 PM
To: 'trentJarman@gmail.com'
Subject: Concerns/Questions

Trent,

Attached is a summary of the questions and/or concerns I had about the tower.

I look forward to the 21st to answer some of those questions.



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This summary note is to further detail the concerns about the ability to provide public safety services to Leadbetter Farms. The ability to manage an emergency incident in the “water tower” is significantly dependent on the building’s unique construction features and the suppression/detection systems to contain the fire in that area of its origin. Those issues, in addition to Fire District limitations, are of concern.

Below I have further detailed concerns that I mentioned in my letter to Tim Crose on May 22, 2017.

Prevention Measures

Prevention measures would include current, future and on-going needs to allow an occupant to escape a fire, and/or minimize the potential of a devastating fire.

Is the sprinkler system test regularly?

Is the stand-pipe system tested regularly?

Are the components (pumps, back-up power, etc.) necessary to operate the sprinkler and stand-pipe system tested regularly?

Is the alarm system tested regularly?

What open flame ignition sources will be present? Fireplaces? Cooking devices? Smoking allowed?

What is the occupant load for the entire building? Per floor?

Is the area(s) of egress (interior stairwell) adequate to manage the occupants? Is it protected from the products of combustion?

If the building is rented out, will it have any special considerations in the evacuation protocol?

Is there a ventilation system to prevent smoke “stacking” or layering to the upper floors? (It is my understanding that the heating system is “in-slab flooring.”

Will the stairwell be pressurized?

Emergency Response

Even with good prevention measures, the Fire District has limitations and unevaluated performance standards.

Are radio communications effective within the structure? (Some concrete/steel structures prevent good radio communications)

Currently, the command officers are not proficient in performing command decisions at a “high rise” fire. (Could be addressed through comprehensive training)

Is the water supply adequate to fight a fire in the building? This would include the total available water supply to support the system (excluding drafting from the lake)

There is a lack of adequate personnel to meet the needs during a “high-rise.” This would include performing the functions of fire attack, ventilation, evacuation management, search & rescue, salvage & overhaul, vehicle operators, emergency medical services, and support personnel.

It is unclear whether the District has adequate equipment to perform the necessary tasks at the building. This would include aerial apparatus capabilities/limitations, specialized fire attack equipment, ventilation equipment.

In relationship to emergency medical services, I am unsure whether an incapacitated patient could be effectively removed from the structure in a timely manner. This would include the ability to remove a patient on a gurney.

Firefighter Training

Mitigating an emergency in a high rise building requires additional specialized training to ensure the safety of firefighters and occupants.

Firefighters are not currently trained in the fire attack tactics of fighting a fire in a high-rise.

Command officers and firefighters have only a limited knowledge of fire protection systems. The use of the systems and their limitations have to be fully understood prior to utilization.

Command officers are not currently trained in the strategies and tactics necessary to effectively mitigate an incident in a “high-rise.

Command officers and firefighters are not trained in evacuation management. It is likely that firefighters will be faced with fleeing occupants in the same space that suppression activities will be conducted.