

CITY OF MILPITAS
Effective: June 1986
Revised: 2/88; 8/00; 3/05
EEOC: Technician
FLSA: Non-Exempt
Unit: ProTech
Physical: 2

FIRE PROTECTION ENGINEER
(previously Plan Check Engineer – Fire)

DEFINITION

To perform plans examination to insure compliance with technical codes, applicable laws, state regulations, and city ordinances. Assist Fire Prevention Inspectors in resolving life safety, fire protection, and detection systems problems, and the storage and/or use of hazardous materials.

DISTINGUISHING CHARACTERISTICS

This is a journey level class where incumbents possess the applicable educational and training background, appropriate certificates, licenses and practical work experience. This classification receives direction from the Fire Marshall.

EXAMPLES OF DUTIES – *Duties may include, but are not limited to, the following:*

- Develop guidelines to assist applicants with the fire permit process.
- Perform plans examination concerning the construction or alteration of industrial, commercial, and residential structures to determine compliance with applicable codes, laws, and regulations.
- Check fire sprinkler, fire alarm, and other fire protection and detection system plans for compliance with the Building, Fire, and Mechanical Codes, nationally recognized standards and other related codes.
- Review and evaluate plans for occupancies that fall under Title 19 (State Fire Marshal requirements).
- Review and evaluate plans for special occupancies such as licensed care facilities and special events for fire permits.
- Examine plans for industrial facilities using hazardous materials to determine if storage, use, and disposal are in accordance with state laws and regulations, city ordinances, and other applicable codes and standards.
- Answer questions and give direction to architects, engineers, contractors, and owners regarding fire department requirements and the application of the fire and building codes.

- Review site plans to determine if there is adequate fire department vehicle access, and if there is a public and private water supply.
- Issue permits after plan review approval.
- Consult with Fire Prevention Inspectors regarding plan review related problems.
- Make independent analysis as required.
- Make field inspections, as needed: life safety, fire protection and detection systems.
- Prepare plan review correspondence.
- Prepare technical fire code research and evaluation reports. Render code interpretation.
- Keep informed regarding applicable laws, ordinances, regulations and standards. Assist in the code development and adoption process.
- Conduct in-house training for suppression and bureau personnel covering life safety, fire protection, and fire detection systems.
- Participate in the development and evaluation of fire permit process, inspection process, and computerized technology to modernize and update procedures as needed.
- Perform other duties as required.

QUALIFICATIONS

Knowledge of :

- Life safety, fire protection, and detection systems.
- Building, Fire, Mechanical Codes and other related laws and regulations.
- Basic chemical principles and elements.
- Industrial processes involving storage, use, and disposal of hazardous materials.
- Construction materials and methods.
- Calculation and engineering specifications.

Ability to:

- Read and interpret building and site plans, fire extinguishing system plans, fire protection and detection plans, calculations, and engineering specifications.
- Establish and maintain effective and positive work relationships with City staff, builders, design professionals, other government agencies, and the public.
- Communicate effectively, both orally and in writing.
- Enforce applicable laws, regulations, and standards with reasonable firmness and tact.
- Use office/business software.
- Keep abreast of current construction standards, codes, and regulations.

EXPERIENCE AND EDUCATION

Experience:

Two years of responsible experience performing plan checks related to fire protection, or design and application of processes, storage, use, and disposal of hazardous materials.

Education:

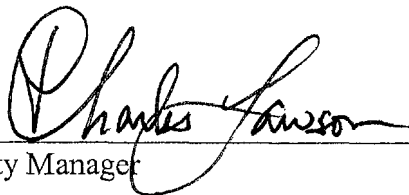
Equivalent to a Bachelor of Science degree in Fire Protection, Industrial, Mechanical, Civil Engineering, Architecture, or other related field.

License or Certificate:

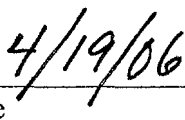
Possess and maintain an appropriate, valid California Driver's License.
Must complete Fire Prevention 1 class series within 11 months of appointment.

SPECIAL REQUIREMENTS: *Essential duties require the following physical abilities and work environment.* Ability to work in a standard office environment; ability to perform new development field inspections and annual life safety inspections; sit and/or stand for long periods of time, repetitive keyboarding; reach, squat, lift, and carry up to 25 pounds; able to travel to various locations within and outside the City of Milpitas.

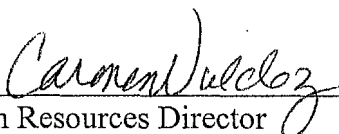
Approved by:



City Manager



Date



Human Resources Director