

Curriculum Vitae

Nicole Pesqueira

Current Position

Fire Marshal—Brea Fire Department, Brea, California

Duties and Responsibilities

Schedule, train, evaluate, and supervise assigned staff. Ensure that Fire Prevention staff meets and respond to the Fire Department's customer service goals, objectives, and standards and are following division and departmental policies and procedures. Assist in hiring staff, initiate corrective and/or disciplinary action, and respond to grievances and complaints following established personnel policies and procedures and in consultation with Department management staff and Human Resources.

Respond to major emergencies to assist fire command staff as assigned and to control fire and life safety systems or initiate fire origin and cause investigations and arson investigations, as required. Reports possible criminal activity to District Attorney and assists in prosecutions.

Maintain effective working relationships with representatives of other City departments, county, state, and federal agencies involved with the fire service, the general public, community groups, and organizations.

Formulate and enforce Fire Prevention policies and procedures.

Make presentations to City Council and/or represent the Department at City Council and/or civic or professional group meetings.

Write and review detailed reports, letters, and other material related to Fire Prevention activities.

Represent the Department on matters relating to the development, promulgation, and enforcement of related codes and ordinances.

Oversee and perform new construction/equipment plan reviews and indicates necessary corrections for evaluating fire protection/life safety systems, underground storage tanks and hazardous materials facilities; coordinate plan check activities with City functions and outside agencies; attend meetings and perform liaison role for fire/life safety, ensure plans meet the requirements of related federal, state, and local fire protection, life safety and environmental codes, regulations, and restrictions.

Review proposed projects with and provide technical assistance to developers, consultants, engineers, architects, contractors, City personnel, and the public; interprets and explain requirements and restrictions relative to fire/life safety codes, ordinances, regulations, policies, and procedures; develops alternative methods to comply with requirements and restrictions.

Oversee the Department's annual inspection program and inspects businesses for fire hazards, proper operation of suppression devices, adequacy of fire escapes and exits, and general compliance with fire codes, coordinate and schedule training drills between local facilities and the department.

Fire Employment History

Brea Fire Department – December 2023 to Present
Fire Marshal

El Segundo Fire Department – January 2022 to December 2023
Fire Marshal

Pierce Fire Investigations – December 2021 to Present
Fire Investigator

Brea Fire Department – May 2016 to December 2021
Fire Prevention Specialist II/Fire Investigator

Santa Ana College– December 2019 to Present
Part-Time Adjunct Instructor (Fire Technology)

LIT Fire & Life Safety Services – October 2018 to Present
Owner/Instructor/Consultant

Pasadena Fire Department – June 2014 to May 2016
Fire Inspector

Investigative Experience

	Cases/Scenes	Accidental	Arson	Undetermined
Structure Fires	88	61	4	23
Vehicle Fires	18	4	12	2
Wildland Fires	5	1	3	1
Fatal Fire Investigations	1	0	1	0

Formal Education

California State University, Fullerton	Bachelor of Arts in Psychology	05/08
Santa Ana College	A.S. Fire Tech Prevention Officer	06/14
Santa Ana College	A.S Public Fire Safety Education Officer	06/16

Certifications

Fire Inspector I - ICC	12/13
Certified Code Inspector - NCSA	07/14
PC 832 Laws of Arrest – Post	06/15
PC 832 Firearms – Post	11/15
Fire Prevention Officer – Santa Ana College	06/16
Public Fire Safety Education Officer – Santa Ana College	06/16
Wildland Urban Interface – National Fire Academy	04/17
Hazardous Materials Technician – CSTI	04/17
Certified Fire and Explosion Investigator – NAFI	10/20
Fire Investigation Technician – IAAI	09/22
State Fire Training:	
Public Education	08/14
Fire Inspector I	11/15
Fire Inspector II	10/17
Plans Examiner	10/17
Registered Instructor	11/18
Fire Investigator I	12/18

Specialized Training:

State Fire Training:

Motion Picture/Television Fire Safety Officer	10/14
Public Education 1	01/15
Training Instructor 1A-1B	11/15
Fire Inspector 1A-1D, 2A-2D	12/15
Licensed Registered Care Facilities	09/16
Fire Prevention 1A-1B, 2A-2C, 3A-3B	10/17
Statutes & Regulations	05/18
Fire Investigator 1A-1B, 2A-2B	08/18
Ethical Leadership	09/18
Regional Instructor Orientation	09/18
Instructor 2	11/18
Fire Marshal 1A-1D	03/20
Company Officer 2C	04/22

CFI Trainer.net:

Fundamentals of Residential Building Construction	10/12
Fire Protection Systems	11/12
Charleston Sofa Super Store Fire	11/12
Fire Investigator Scene Safety	10/18
The Scientific Method for Fire and Explosion Investigation	10/18
Documenting the Event	10/18
Physical Evidence at the Fire Scene	10/18
Investigating Fatal Fires	10/18
Introduction to Evidence	10/18
Search and Seizure	10/18
Post Flashover Fires	10/18
Investigating Motor Vehicle Fires	10/18
Introduction to Fire Dynamics and Modeling	10/18
Accreditation, Certification and Certificates	10/18
Fundamentals of Interviewing	12/18
Motive, Means & Opportunity: Determining Responsibility in Arson Case	12/18
Ethics and the Fire Investigator	02/19
Digital Photography and the Fire Investigator	02/19
Writing the Initial Origin and Cause Report	02/19
The Practical Application of the Relationship between NFPA 1033 & 921	02/19
2020 NFPA & Fire Investigation	05/20
2021 NFPA 921 Ch. 6 – Fire Patterns	06/20
2021 NFPA 921 Ch. 19 Fire Cause/Classification	08/20
Motor Vehicles: Transmission, Exhaust, Brake, & Accessory Systems	12/20
Motor Vehicles: The Engine and the Ignition, Electrical, and Fuel Systems	12/20
Critical Thinking Solves Cases	04/22
Wildland Fires Investigation	04/22
NFPA 1033 & Your Career	06/22

Dane County Arson Response Initiative (DCARI)

Identifying Damage to Electrical Conductors	06/20
Fire Patterns Post Flashover	01/21
Receptacle Fires	01/21
Fire Alarm Control Panels	01/21
Timeline Analysis	01/21
Wildfire Fire Investigations	02/21
Origin & Cause Report Writing for Public Fire Investigators	04/21
Fire Investigation Report Writing for	04/21

Fire Dynamics	05/21
Corrugated Stainless Steel Tubing	05/21
Arson Profiling/Behavioral Analysis Unit	06/21

Specialized Training (cont.):

Fire Behavior & Combustion	01/12
Fire Protection Organization	05/12
Personal Fire Safety	05/12
Building Construction for Fire	12/12
Fire Prevention Technology	12/12
Fire Protection Equipment and Systems	12/12
Firework Disasters & Enforcement	05/15
Flammable Refrigerant & Refrigeration Rooms	05/15
Food Trucks	05/15
PC 832 – Laws of Arrest	06/15
PC 832 – Firearms	11/15
Haz-Mat First Responder Awareness	01/16
Flammable Refrigerants & Refrigeration Rooms	03/16
Inspection & Testing for the Fire Sprinkler Industry	08/16
NFPA 13, 13R & 13D Update 2016	09/16
Hazardous Materials Technician 1A-1D	04/17
2016 Flammable Liquids & Gases	01/18
Hazardous Materials Provisions of the 2016 IFC and IBC	07/18
NFPA – Assessing Structure Ignition Potential from Wildfire	08/18
Residential Occupancy Class	08/18
Fire Investigation Fundamentals	03/19
Aerial & Theatrical Fireworks Training	05/19
Fire Sprinklers: Type, Spacing & Location Requirements	06/19
Residential Care Facilities	08/19
Report Writing and NFPA 921 Updates	09/19
Significant Change to the CFC 2016 & 2019	12/19
Inspection & Testing for the Fire Sprinkler Industry	12/19
Fire Pumps	12/19
Report Writing	05/20
Voltage Drop for Fire Alarm Notification Circuits	07/20
2019 CFC/CBC Residential Care Facilities for the Elderly	08/20
Fire Investigator Legal Challenges	08/20
Inspection of Commercial Kitchen Grease Exhaust Systems	09/20
Working the Fire Scene	11/20
Updates on High Pile Combustible Storage	11/20
Fire Protection Academy	12/20
Wildland Fire Investigation	01/21
Effects of Code Enforcement on Fire Investigations	01/21
Documenting the Fire Scene & Preparing Expert Report	01/21
The Discovery and Science of Smart Meter Fires	04/21
How to Prepare for Arson Cases	06/21
A2L Flammable Refrigerants: AHRI Safe Refrigerant Task Force	06/21
Fire Protection Considerations for ASRS and Parking Garages	07/21
PC 451 Arson Investigation Report Writing & Penal Code Orientation	10/21
Fire Sprinkler Plan Review	11/21
All You Ever Wanted to Know About Fire Doors	11/21
HazMatIQ Above the Line/Below the Line	01/22
FI- 210 Wildland Fire Investigations	05/22
CBC Ch. 7A & CFC Ch. 9 WUI Standards Significant Code Changes	05/22
NFPA 72 Updates; Significant Code Changes to CA Codes	10/22
Scientific Protocols for Fire Investigations	01/23
2021 IFC Significant Code Changes	01/23
NIMS ICS All-Hazards PIO	02/23
Lithium-Ion Battery Symposium: Challenges for the Fire Service	03/23

NFPA 13 Updates	05/23
HazMat Basics	07/23
NFPA 241 and Construction Site Fires	08/23
IAAI Expert Witness Testimony	09/23
CCAI Interview and Interrogations	10/23

Administrative Controlled Fires:

I have witnessed over 35 administrative controlled fires. I observed fire spread and fire behavior effects during and post fire examinations and analysis. These controlled fires duplicated accidental and criminal events.

Seminars:

I have attended 9 seminars; each 40 hours in length. Five of these seminars were through California Fire Prevention Institute. One was through National Fire Protection Association. Three of the conferences was with the California Conference of Arson Investigators.

Memberships:

California Conference of Arson Investigators (CCAI) – Fire Prevention Liaison, Roundtable Coordinator
 International Association of Arson Investigators (IAAI)
 National Association of Fire Investigators (NAFI)
 International Code Council (ICC)
 National Fire Protection Association (NFPA)
 Orange County Arson Task Force (OCATF) – Secretary
 Orange County Fire Prevention Officer's Association (OCFPO) – Past President
 Southern California Fire Prevention Officer's Association (So Cal FPO) – 2nd Vice President
 South Bay Arson Task Force (SBATF) – Past President
 South Bay Fire Prevention Officers – Past Treasurer
 Women's Fire Alliance – Board Member

Committees:

So Cal FPO Fire Code Committee
 So Cal FPO Fire Service Education Committee Co-Chair
 CSFA Fire & Life Safety Committee

Teaching Experience:

Fire Inspector 1A	3/19- Present
Fire Inspector 1B	3/19- Present
Fire Inspector 1C	3/19- Present
Fire Inspector 1D	3/19- Present
Fire Inspector 2A	3/19- Present
Fire Inspector 2B	3/19- Present
Fire Inspector 2C	3/19- Present
Fire Inspector 2D	3/19- Present

Publications:

2019 California Fire Code Handbook Published by ICC