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## Summary

### Years of Experience

35

### Education

U.C./1990, Fire Administration, City University, Vancouver, WA.

A.A.S./1984, Fire Protection Technology, Portland Community College.

### Clearance

Conditional access to certain federal SSI, FOUO, SBU, PClI and LES information

Mr. Monaghan has over 35 years of technical and administrative experience in emergency management, planning, training, exercise design, risk analysis, regulatory compliance, vulnerability/threat assessments and emergency response. Mr. Monaghan is regarded by local, state and federal public safety officials as a subject matter expert in the field of hazardous material (HazMat) and chemical, biological, radiological, nuclear, and explosives (CBRNE) emergency response and preparedness.

Mr. Monaghan has devoted the bulk of his career to serving in a wide variety of public safety related positions. From 1979 to 2007 he served within the fire service as a commissioned firefighter, station captain and chief officer. During this time he was assigned to numerous technical and management roles.

He retired from the City of Vancouver Fire Department (VFD) in 2007 as Chief of Special Operations and founded Monaghan Consulting, LLC. Mr. Monaghan joined Patriot in 2010 to provide senior-level support to Patriot's Homeland Security and Emergency Preparedness service area. He currently works as a project manager for public sector clients.

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## Experience

- **Patriot Technical Consultants, Inc., Richland, Washington: *Senior Project Manager (2010 to present)*.** Mr. Monaghan joined Patriot in May 2010 to serve as the company's Senior Homeland Security Specialist. He has recently been engaged in a number of Patriot activities, including risk assessments, capability gap analysis, emergency response plan development, security projects, Federal Emergency Management Agency (FEMA) projects, emergency response training, exercises and evaluations.
  - **Crude Oil-by-Rail Projects – Washington Cities.** Mr. Monaghan was Patriot's project manager on three separate projects involving new or expanded crude oil facilities. Patriot reviewed SEPA checklist information to determine the appropriate level of SEPA documentation for a proposed conversion of a methanol storage facility to crude oil that would arrive via rail car. Mr. Monaghan supported the City during an appeal of the City's decision by the applicant. He also served as project manager on two projects that involved assessment of public safety risks associated with shipment of crude oil-by-rail through a medium size city. Patriot prepared comments and recommendations on the draft EISs on behalf of the cities.
  - **Columbia River Scoping Project – U.S Coast Guard.** Mr. Monaghan served as Patriot's project manager for the "Columbia River Scoping Project" between in 2011. This study, conducted for the U.S. Coast Guard Sector Columbia River, was a detailed analysis of the need for and distribution of firefighting and law enforcement vessels along the 400 plus miles of navigable waters of the Columbia, Willamette, and Snake River system from Astoria, OR to Lewiston, ID. Recommendations coming from this study have been used as the bases for applications to the Department of Homeland Security (DHS) Port Security Grant Program and other funding sources to improve and optimize marine fire response capabilities, maritime domain awareness, and law enforcement/security/patrol capabilities on the river system. Three new rapid response vessels were obtained for fire departments on the Lower Columbia River as a result of this project.
- **Monaghan Consulting, LLC, Vancouver, Washington: *Principal (2007 to present)*.** Mr. Monaghan began working as a private consultant upon his retirement from the Vancouver Fire Department in 2007. He provided technical assistance related to HazMat and CBRNE emergency

response on a number of projects for a wide variety of government organizations, including the Washington State Emergency Response Commission, the Washington State Fire Chief's Association, the Washington Association of Sheriffs and Police Chiefs, the Washington State Department of Ecology, the Washington State Patrol, the Washington State Fire Marshal's Office, and the Washington State Military Department's Emergency Management Division.

Mr. Monaghan has served as an independent third party fire protection consultant for the Vancouver Fire Department to analyze the risk and impact posed by several industrial facilities that were proposed and later built at the Port of Vancouver. One facility, designed to handle bulk propane, included multiple railcar offloading racks, several large storage tanks and tank truck loading racks. Another project, designed for diesel fuel oil, involved several large storage tanks with an above ground pipeline that served a marine loading and offloading dock. Another project, designed to handle methanol, included multiple railcar and tank truck loading racks, several large storage tanks, a marine dock, and an underground pipeline. Mr. Monaghan produced a detailed report specifying fire risks and impacts associated with each facility and recommendations to the fire department on how to mitigate the risks.

Mr. Monaghan has worked as a fire protection consultant for public safety authorities in Clark and Cowlitz Counties in Washington State to develop a comprehensive hazardous materials and weapons of mass destruction (WMD) risk assessment and emergency response plan. He has completed similar projects on behalf of Hood River and Wasco Counties in the State of Oregon.

- **Industrial Emergency Services, LLC, Baton Rouge, Louisiana: Fire Protection Consultant (and other positions) (2012-2013).** IES is a global provider of emergency response services to the heavy industry sector with clients operating worldwide. Mr. Monaghan's responsibilities with IES included Division Chief with the company's west coast industrial and marine firefighting team. He was also engaged in a number of other roles at IES, including as a project manager, emergency response planner and trainer, fire risk analyst, and as a fire protection consultant. He has managed risk assessments and emergency planning projects for several large multi-national industrial and marine shipping companies.
- **Vancouver Fire Department, Vancouver, Washington: *Division Chief, Special Operations [and other positions] (1979 to 2007).*** His responsibilities with VFD included acting as an incident commander during major Special Operations related alarms, such as oil and chemical spills, ship fires, train derailments, floods, wild land fires, collapse and confined space rescues. His administrative duties included managing the department's regional HazMat/CBRNE Response Team, Technical Rescue Team and Marine Response Program. Mr. Monaghan has participated in numerous homeland security-related projects since September 11, 2001. He has been directly involved in managing vulnerability and threat assessments and assisting local, state and federal agencies with emergency response planning for incidents involving terrorism and WMD. Those projects include:
  - Project coordinator for a Regional HazMat/CBRNE Response Team Study for the State of Washington, to determine first responder capabilities and needs throughout the state, to recommend an equitable method for disbursement of funds to the regions, and to develop an approach by which a sustainable program can be maintained within the state.
  - Project planner/analyst for a vulnerability assessment and emergency response plan for the City of Vancouver municipal water system.
  - Project planner/analyst for the development of emergency response plans for numerous public school districts within SW Washington.
  - Design team manager for a full scale biological contamination emergency exercise for the SW Washington Health District.
  - Project planner/analyst for a FEMA mandated Hazard Identification and Vulnerability Analysis (HIVA) study for Clark County, Washington.

- Project planner/analyst for a FEMA mandated Comprehensive Emergency Management Plan (CEMP) for Clark County, Washington.
- Project planner/analyst for a FEMA mandated Hazardous Materials Commodity Flow study for Clark County, Washington.

Mr. Monaghan served as VFD's Homeland Security Advisor and was Chief Liaison to local, state and federal law enforcement agencies beginning in 1998. His responsibilities also included a wide variety of emergency planning and training duties. He has considerable experience designing, conducting and evaluating emergency response exercises for all levels of government, the military, and the private sector.

He has served on numerous local, state and national committees and commissions, including the Clark County Local Emergency Planning Committee (LEPC); Washington State Emergency Response Commission's CBRNE Technical Committee; the Governor's Committee on Homeland Security; the FBI's Critical Infrastructure Protection Program - Oregon Branch; the U.S. Coast Guard's Area Maritime Security Committee (AMSC) Sector Columbia River; the Marine Fire Safety Association's F-PACC Division for the lower Columbia River and various DHS Target Capability Working Groups.

He was appointed to the exercise design team for the US Department of Homeland Security's National Exercise for Top Government Officials (TOPOFF 2) in 2003. He served as a subject matter expert for HazMat/CBRNE response and he also helped evaluate the exercise. He served in a similar capacity in 2007 for TOPOFF 4.

Mr. Monaghan has significant experience as a trainer, a training program manager and a training curriculum developer. He is a Washington State certified instructor for Hazardous Materials Emergency Response. He has DHS and Department of Defense (DoD) certifications to teach classes in Terrorism Response and WMD. He is also a DHS certified instructor for the National Incident Management System (NIMS) and Operational Security (OPSEC) for Public Safety Personnel. He helped develop hazardous materials training curriculum for the International Association of Firefighters and the International Association of Fire Chiefs.