

Daniel J. O'Connell, BSc. (HONS.) CSP, CHMM, CHCM, CHST, CIT, REA

Certified Safety Professional (CSP) registry #32751, Board of Certified Safety Professionals

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Daniel O'Connell is a board certified environmental health and safety professional and regulatory consulting engineer with more than 25 years' experience in heavy civil construction and transportation. He is an internationally recognized expert on confined space safety, rescue, and the standard of care. Holding a graduate certificate from U.C. Santa Cruz, and BSc. (HONS.), Mr. O'Connell has published widely on the subject of acceptable risk in construction, transportation, and confined space.

Daniel is regularly appointed to regulatory and standards making organizations to assist in the development of codes and standards, including the ANSI/ASSP Z117 Accreditation Standard Committee on Confined Spaces, National Fire Protection Association (NFPA) 350 Accreditation Standard Committee for Safe Confined Space Entry and Work, NFPA 241 ASC for Construction and Demolition, ASSP Transportation Practice Specialty, and the FMCSA 49 CFR §172.704 Tank Truck Training and Facility Requirements.

Education

Graduate Certificate Safety and Health Management, University of California (UC)
Santa Cruz, 2006

Bachelor of Science (HONS.) Health and Safety, Columbia Southern University (CSU)
Orange Beach, Alabama, 2003

Professional Licensure and Certification

Certified Safety Professional (CSP) registry 32751, Board of Certified Safety Professionals
Certified Hazardous Materials Manager (CHMM) registry 15068, Institute of Hazmat Management
Certified Instructional Trainer (CIT) Registry 13226, Board of Certified Safety Professionals
Construction Health & Safety Technologist (CHST) registry C1223 Board Certified Safety Pros.
Certified Hazard Control Manager (CHCM) registry 3319 International Board of Safety Managers
California Registered Environmental Assessor (REA) registry 08265 Cal/EPA DTSC
California Commercial Driver (CDL) Class A Chauffeur License, Tanks & Multi Trailer, Hazmat
California Licensed Security Guard, (BSIS), Registry #G1754070 (current)
California State Fire Marshal Certified Hazardous Materials Technician
California State Fire Marshal Certified Confined Space Rescue Technician
ProBoard Certified Hazmat Technician & Responder

Experience

Mr. O'Connell has 25 years as a safety executive and OSHA compliance manager, bilingual instructor (Spanish/English), confined space emergency responder, advisor, and consultant on major construction projects, marine terminals, light rail and transportation hubs, and operations throughout the San Francisco Bay Area since 1985. His experience in supporting environmental health and safety for construction spans a variety of types: civil construction, heavy highway, high-rise office, residential, educational facilities, health care, light rail, maritime construction, and multi-modal transportation. Daniel was the lead safety consultant on six Santa Clara Valley Transportation Authority (VTA) Highway and Bridge Widening Projects (2001-2006); also served the San Francisco Trans-Bay Terminal Project in 2013. His consulting activities are expansive as Daniel is expert at applying the OSH Act of 1970, the standards, regulations, and policies of California CCR Subchapter 4. Construction Safety Orders (§1500-1962), and Article 14. Marine Terminal Operations (§3459). O'Connell is versed in the regulations pursuant to the Department of Transportation (DOT), the Federal Motor Carrier Safety Administration (FMCSA), and U.S. DOT-Maritime Administration MARAD.

Mr. O'Connell is a qualified SME in state and federal court, including experience in over 100 OSHA and multiple marine container terminal inspections and associated consultations, serving defense and plaintiff counsel. Daniel is fluent in trial preparation relative to OSHA citations, serious injury and wrongful death, including incident investigation, injury management and regulatory oversight. O'Connell has vast experiential knowledge of contractual responsibilities of construction managers, general contractor, and subcontractors (multi-employer worksites), to provide safety and supervision of work methods and conditions on construction project sites, marine terminals, commercial motor vehicle (CMV) operations, including operator/ driver training and fitness for duty.

Appointments

Member ANSI/ASSE Z15 Vehicle Safety, accreditation standard committee

Member American Society of Safety Professionals (ASSP) Transportation Practice Specialty

Member ANSI/ASSE Z117 Confined Space Safety, accreditation standard committee

Member NFPA 350 Confined Space Safe Work Practices standard committee

Member NFPA 241 Construction and Demolition safety standard committee

Member Community Emergency Response Team (CERT), Fremont Fire Department

Member FEMA Pre-positioned Equipment Program (PEP), CBRNE support, all hazard events

Member Local Emergency Planning Committee (LEPC), Coastal Region II, hazmat consultant

SME Forensic Background (abbreviated list)

1. Hot Mix Asphalt (HMA) Paver Serious Injury & Wrongful Death (New Hampshire, Texas)
2. Truck v. Auto Collisions
3. 3rd Rail Safety (VTA, BART, SFMUNI)
4. Longshoreman / Trucker Jostling Injury (US Container Ports)
5. Split-Multi Rim Serious Injury & Wrongful Death (Port of LA)
6. Accident Investigation & Root Cause Analysis
7. Powered Industrial Trucks (PIT), Forklift, and MEWPs (Ports of LA, Long Beach, Oakland, etc.)

8. Construction and Marine Cranes, Critical Lift Planning, Rigging, Operator Credentialing
9. Confined Space, Technical Rescue, Work at Height, Emergency Response
10. Excavation, Pipeline, and Shoring
11. Fall Protection-Prevention, Competent Person, Fall Rescue, Ladder Safety
12. Heavy Commercial Vehicle Safety & Driver Fitness for Duty
13. Construction Equipment & Tool Safety
14. Caught-Between Crushing Injury, Run over, and Struck by incidents
15. Roofing & Waterproofing Projects
16. Commercial Farming Explosion Injury

Affiliation

National Board on Fire Service Professional Qualifications (ProBoard)

International Longshore & Warehouse Union (ILWU), Ret.

American Society of Safety Professionals (ASSP)

National Safety Management Society (NSMS)

Board of Certified Safety Professionals (BCSP)

International Brotherhood of Teamsters (IBT), Ret.

Amalgamated Meat Cutters and Butchers, Ret.

American Federation of Musicians (AFM), Ret.

United Brotherhood of Carpenters (UBC), Ret.

Professional Project Experience, Abbreviated List

Caltrans San Francisco Bay Bridge Seismic Damper Project, California

Scope included onsite high angle rescue, confined space standby, emergency response, and multi-directional rigging, during seismic upgrade to bridge towers. Craft workers included Union Iron Workers and Laborers removing historic fasteners, retro seismic dampers at the tower structures.

San Francisco Public Utilities Commission (SFPUC) Sutro Reservoir Rehab & Seismic Upgrade

The Sutro Reservoir Rehab and Seismic Upgrade project includes rehabilitation and upgrading of the reservoir to meet current seismic standards and conform to all State Health requirements. O'Connell and team provided onsite rescue and emergency response for a portion of the Sutro Reservoir at the corner of Clarendon Avenue and Olympia Way. Rescue was performed on the active pipelines being welded and installed within, and also high angle workzones.

San Francisco Trans-Bay Terminal, San Francisco, California

The terminal, under construction during 2013, is now a three city block long, 6-story, multi-modal bus and train terminal serving SF Muni and California High Speed Rail. Acting principal safety consultant to evaluate risk and vulnerability, hazard analysis, development of performance based egress for confined space workzones, and standby emergency response.

VTA Highway and Bridge Widening Projects

Santa Clara Valley Transportation Authority (VTA) Highway and Bridge Widening Projects
US Federal Highways & State Routes (US -880, US -101, SR-237, US-101/SR-85)

Six major heavy civil projects as principal safety engineer involving demolition, formwork, grading paving, striping, traffic control, light rail construction.

Bay Area Rapid Transit (BART) Warm Springs Project (Fremont, CA)

Multiphase project, structures, light rail track install, tunneling, formwork, waterproofing for continuation of the light rail from Fremont to San Jose, California.

University of California, San Francisco Medical Center, Mission Bay Project
Excavation and Installation of Steam Pipelines throughout the new campus.

SFPUC Bay Division Pipeline No. 5 (Fremont, CA)

Major installation and tunneling under San Francisco Bay to upgrade to the Hetch Hetchy System

Bay Area Rapid Transit (BART) Earthquake Safety Program (Daly City Station)

Seismic reinforcement of elevated track sections for light rail operations in and out of Daly City.

San Francisco International Airport Retrofit

Onsite safety training services for workers installing the new passenger terminals and baggage handling systems to existing structures at the International.

Calpine Electric Power Plant Construction Project (South San Jose)

New construction of a major gas fired turbine generation plant, per onsite safety officer duties and confined space training provided during major construction.

San Luis Reservoir Quality Inspection Project US Dept. of Reclamation, SCVWD

Regular inspection of Santa Clara Tunnel and vertical shafts 70° @ 2700 feet, confined space rescue

San Francisco Municipal Railway (SFMUNI): Third Street Light Rail Maintenance Facility

Light rail maintenance yard construction for fleet upgrade shop and facilities

Kaiser Hospital Construction Projects (Modesto, Sacramento, Sunnyvale)

New hospital construction in these California cities

Pacific Gas & Electric (PG&E) Jefferson-Martin 230 kV Transmission Project, (Burlingame, CA)

Removal of overhead power lines to underground excavations in the Peninsula.

Employment History

2003 – Present, Principal Safety Engineer, SAFETRAN Site Safety Support Services, Fremont, CA
EH&S Consulting Engineers specializing in workplace safety and health for transportation, and heavy civil construction. The expertise at SAFETRAN includes capabilities from the fundamentals of hazard identification, loss prevention, safety management, accident investigation, and regulatory instruction and consultation.

Ancillary Duties, Emergency Response Division Leader, CSRS Rescue, San Francisco Bay Area

Chief Administrator for a professional team of technical rescue specialists, and emergency medical technicians. Scope: confined space rescue (standby), high-angle rope access, emergency medical support, hazardous materials response to service agencies in the SF Bay Area since 1999.

2000-2003 Superintendent of Safety, Walters & Wolf Precast, (Architectural Precast), Fremont CA

Prime Responsibilities: Journeyman Union Carpenter Superintendent of Safety for leading architectural precast concrete manufacturing company in California. EH&S program development, crane safety, bilingual safety training, site inspections, safety meetings, weekly tailgates, site specific safety plans, hazard assessments, fire and life safety code audits, environmental auditing (air & water sampling), and interagency liaison (OSHA, EPA, BAAQMD). Responsible for proactive safety engineering (site specific), industrial hygiene, confined space safety, lockout tagout, hazard assessments, PPE, and new hire orientation (bilingual).

W&W Equipment: operational management of onsite heavy material handling equipment:

- 4 Marine Gantry Cranes (Shuttle Lifts)
- 4 Overhead Bridge Cranes
- 1 Carry Deck Crane
- 7 Powered Industrial Trucks (PIT)
- 4 ATVs (John Deere) 6x6
- 4 Mobile Elevation Work Platforms (MEWP)
- 2 Scan Climbers
- 2 Cat 950 M Loaders
- 1 John Deere Skip Loader
- 4 Semi-Trucks & Trailers

1999-2000 Construction Safety Inspector, Nielson Dillingham Builders Inc, at the Lawrence Livermore National Lab, Livermore, CA,

Responsibilities: Coordinate daily safety huddle for all construction trades, administer the behavior based safety program (DuPont Stop), ensure compliance with LLNL safety, general contractor, and Federal OSHA regulations, oversee incoming contractor site specific safety plans, conduct safety and environmental inspections of active workzones. Specialists and trades included carpenters, hvac-steamfitters, plumbers, roofers, electricians, and materials handling operators (crane, truck, aerial lift, forklift, manlift).

1999 Safety Technician, Enviro Safetech, San Jose, CA

Responsibilities: safety training (bilingual), construction workplace inspection, client EH&S services, building MSDS chemical inventory, and respiratory protection fit testing.

1997-1999 Union Carpenter / Safety Coordinator, Monterey Bay / SF Bay California

Responsibilities: onsite safety training, jobsite inspection, recordkeeping, PPE, injury reports, general supervisory duties, standard formwork and finish carpentry.

1986-1997 Construction Teamster (Local 150), Equipment Operator, Central Valley / Bay Areas CA

Construction Trucking (Class 7-8 trucks) transport, import/export of aggregates, hot mix asphalt, mobile equipment operation, heavy implements, building materials, and road oil for highway construction. Teamster serving Caltrans-Federal Highway Projects.

1985-1986 Longshoreman / Warehouseman (ILWU-Local 17) RGA Port of Sacramento, CA

Work Scope: Powered Industrial Truck (PIT) Operator, Terminal Tractor, Yard/Street Chassis (Bombcart), Intermodal Container Loading/Unloading, Shuttle Tractor (Yardgoat) Driver.

1983-1985 Truck Crane Operator, Fisher Construction, Roseville, CA

Roof Truss Manufacturer operated a Peterbilt 1978 Tri-Axle Tractor / Flatbed with mounted Crane construction site delivery, rigging, hoisting, Class A CDL/ Crane Operator.

1977-1981 Clauss and Klaus (C&K) Meats and Sausage production, Sacramento, CA

Principal Receiving Clerk, Truck Driver, Forklift Operator

1974-1977 District of West Vancouver, B.C., Canada

City Bus Driver / Tour Coach Operator, Air Brake Certificate, Class B License

Publications-Presentations and Seminars

The Myth of Zero Energy and Its Adverse Impact on Prevention Through Design, ASSP Professional Safety Journal, Reader's Forum, O'Connell, D.J., 2023

Cargo Tank Motor Vehicle, Confined Space Safety, Professional Safety Journal, American Society of Safety Professionals, O'Connell, D., 2018

Cal/OSHA Construction Update, Silica Standard, Final Rule, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, Fix Accountability For Construction Accidents, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, New Confined Spaces in Construction Standard, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, 13 Proven Steps to Improve Construction Worker Safety, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, New Confined Spaces in Construction Standard, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, Top Ten OSHA Violations & Prevention Tips, O'Connell, D., Irish Herald, San Francisco 2016

Cal/OSHA Construction Update, Approved Safety & Health Standards, (OSHSB), Part II, O'Connell, D., Irish Herald, San Francisco 2016

Crime Scene Rescue and Emergency Response, Forensic Magazine, O'Connell, D., 2016

Cal/OSHA Construction Update, Approved Safety & Health Standards, (OSHSB), Part 1, O'Connell, D., Irish Herald, San Francisco 2015

Cal/OSHA Construction Update, Consequences of OSHA Non-Compliance, O'Connell, D., Irish Herald, San Francisco 2015

Hidden Hazards of Confined Space, United Contractors Magazine, O'Connell, D., 2015, (UCON).

Roofing Construction Toxicity and Flammability Hazards, O'Connell, D., TASA, 2014

California Responder Leads the Way in Technical Rescue, O'Connell, D., Fire Engineering, 2014

Open Roof Holes and Roofing Injury Prevention, O'Connell, D., TASA, 2014

Confined Space Lessons Learned, O'Connell, D., Industrial Safety and Hygiene News, 2012

Safe Handling of Flammable Liquids on the Construction Site, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

El Manejo Seguro de los Líquidos Inflamables en el Área de Construcción, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

Burn Prevention and Protection, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

Prevención y Protección de Quemaduras, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

Electrical Safety for Roofers, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

Seguridad Eléctrica para los Techeros, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

Preventing Lead Exposure, O'Connell, D., Roofing Contractor Safety Emphasis Program, 2010

The Competent Person Can Prevent the Next Construction Disaster, O'Connell, D., Irish Herald, San Francisco 2005

So You Want To Dispute an "Unjust" OSHA Citation? O'Connell, D., Irish Herald, San Francisco 2005

Basic Jobsite Safety Requirements For Construction (California), O'Connell, D., Irish Herald, San Francisco 2005

The Language of Safety, O'Connell, D., Irish Herald, San Francisco 2005

Construction Site Safety, Cal/OSHA Consultation Options, O'Connell, D., Irish Herald, San Francisco 2005

Preventing Ladder Accidents, O'Connell, D., EH&S Lessons Learned, 2001

Reducing Serious Accidents When Working With Edge Stacked Materials, EH&S Lessons Learned, 2001

Preventing Forklift Hoisting Accidents, O'Connell, D., EH&S Lessons Learned, 2001

Reducing Trailer Loading Accidents, O'Connell, D., EH&S Lessons Learned, 2001

Unrecognized Confined Space Hazards, presentation to the American Society of Safety Professionals, San Jose, CA., O'Connell, D, 2019

Cargo Tank Motor Vehicle, Confined Space Safety, Safety 2018, O'Connell, D., presentation before the American Society of Safety Professionals (ASSP), Professional Development Conference in San Antonio, Texas, "Safety 2018"

Cal/OSHA Confined Space Standard for Construction (CCR Title 8, 1950), O'Connell, D., presented to the Construction Employers Association Safety Forum, Hilton Hotel, Concord, CA 2015.

Roofing Construction Safety and Health Hazards, O'Connell, D., (live) webinar presentation, TASA, 2016.

Construction Hazmat and SDS Chemical Inventory, O'Connell, D., Seminar for Continuing Challenge Hazmat Conference, Sacramento, CA, 2015.

Rescue 101, Critical Factors for Technical Rescue, O'Connell, D., presentation before PASMA-ASSE, Mission College, Santa Clara, CA, 2012.

Effective Construction Safety Management(CSM), Benefits of Implementation, O'Connell, D., UC San Francisco Medical Center, 2011.

Highway Work Zone Safety, Joint Meeting of ASSE-PASMA, Oakland, CA, O'Connell, D., 2009.