

## Education

Ph.D, Global Environmental Health Sciences, Tulane University School of Public Health & Tropical Medicine, New Orleans, LA  
MPH, Global Environmental Health Sciences: Disaster Management Concentration, Tulane University School of Public Health & Tropical Medicine, New Orleans, LA  
Certificate in Industrial Hygiene, Tulane University School of Public Health & Tropical Medicine, New Orleans, LA  
BSPH, Community Health Sciences and Economics (minor), Tulane University, New Orleans, LA

## Registrations

Certified Industrial Hygienist  
Certified Safety Professional  
Florida Licensed Asbestos Consultant  
Certified Asbestos Inspector: Louisiana Department of Environmental Quality (LDEQ), the State of Florida and the U.S. Environmental Protection Agency (EPA)  
Certified Asbestos Management Planner: State of Florida and EPA  
Certified Asbestos Contractor/Supervisor: LDEQ and EPA  
Certified Lead Inspector: LDEQ and EPA  
Certified Lead Project Supervisor: LDEQ and EPA  
Residential Radon Measurement Provider: National Radon Proficiency Program  
Transportation Worker Identification Credential: U.S. Department of Homeland Security  
Certified Tropical Helicopter Underwater Escape Training: Falck Safety Services

## Training

OSHA/EPA 40-Hour Hazardous Waste Operation and Emergency Response Standard (HAZWOPER)  
AIHA NIOSH 582 Equivalent, Analysis of Asbestos Fibers Utilizing Phase Contrast Microscopy (PCM)  
Radiation Safety Officer (40-Hour)  
OSHA 10-Hour Construction Industry Outreach

## Highlights

7 years in the Industrial Hygiene and Environmental Consulting Industry  
Experienced with numerous residential, public (local, State and Federal), commercial, industrial and insurance client types  
Asbestos Survey, Abatement Design, Abatement Oversight  
Lead Survey, Abatement Design, Abatement Oversight  
Mold/Moisture Investigations, Remediation Design, Remediation Oversight  
Exposure Assessment  
Safety Assessment  
Idiopathic Symptom Investigation

## Experience Summary

Dr. Jelin is a Project Manager for Partner Engineering and Science, Inc. (Partner), with a specialization in Industrial Hygiene and Environmental Consulting Services across a variety of industries and industry sectors, with a focus on occupational safety/health and limiting client liability. He has shown to be an efficient and

## **Benjamin Jelin, Ph.D, CIH, CSP**

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effective manager of projects throughout the United States by maintaining and ensuring project scheduling, monitoring daily operations, assuring technician and contractor compliance, communicating regularly with clients, regulators and the public (if necessary), and developing and reviewing written products for clients.

He is familiar with both regulatory and industry standards and guidelines that will help protect workers and the public from hazards, while also limiting client liability. Dr. Jelin prides himself on being able to take on a variety of difficult projects and being able to provide clients with an expert opinion and consultation. His experience includes client consultation in the following areas:

- Asbestos hazard identification, abatement protocol development (including Negative Exposure Assessments (NEA)), on-site abatement oversight and clearance services;
- Lead Based Paint and Lead Hazard identification, abatement protocol development, on-site abatement oversight and clearance services;
- Fungal/Microbial/Moisture contamination oversight, abatement/remediation protocol development, on-site abatement/remediation protocol oversight, and project wrap-up consulting services;
- U.S. Resource Conservation and Recovery Act (RCRA) and Universal Waste sample protocol development, sampling and disposal consultation;
- Confined Space Entry services: Attendant/Competent Person services
- Indoor Air Quality investigations including unknown environmental contaminants, hazardous materials releases and worker complaints;
- Exposure assessment for health and safety compliance for lead, asbestos, and Volatile Organic Compounds (VOCs);
- Health and safety assessments for construction, heavy industrial and manufacturing applications
- Radon hazard identification; and,
- Environmental Insurance claims investigations.

### **Project Experience**

*Asbestos Consulting Services, DoubleTree New Orleans Tower Renovation, New Orleans, Louisiana.* Managed and conducted sampling for asbestos containing building materials (ACBM) per the National Emissions Standard for Hazardous Air Pollutants (NESHAP) standard. After the ACBM was identified and quantified, he developed a Negative Exposure Assessment per OSHA asbestos regulations to determine hazard control practices during the abatement of ACBMs that were to be disturbed during the complete renovation of the facility. He also provided and managed 3<sup>rd</sup>-party oversight of the abatement of the ACBM and created a final close out report for the services rendered.

*Personnel Exposure Characterization, Confidential Client, New Orleans, Louisiana.* Oversaw bulk lead loading operations during logistics activities and conducted personal sampling to ensure worker compliance with the applicable OSHA Lead in Industry 29 CFR 1910.1025. Oversight and sampling were requested after elevated blood lead levels were identified in on-site personnel. This service included regular compliance report writing and consultation.

*Fungal and Moisture Contamination Investigation, Confidential Client, Baton Rouge, Louisiana.* Conducted fungal and moisture investigation as well as remediation assessment while representing a construction contractor. The contractor constructed three new-build government-subsidized residential complexes with active fungal and moisture contamination related to an undiscovered design defect. He acted as a 3<sup>rd</sup>-party consultant to assess the claims of the owner's Industrial Hygiene Representative and provided alternative

interpretations or refutation their claims based on the field's current understanding of the science and the general duty of care for such projects. He provided a report to the client to use during potential legal action and insurance arbitration.

*Industrial Hygiene Screening, Client Confidential, Norco, Louisiana.* Conducted an industrial hygiene screening for the potential for the development of a hazardous atmosphere during potholing activities for pipelaying operations. Test holes dug by the client led to concern from client management that digging/trenching activities may lead to the development of a hazardous atmosphere due to the presence of a VOC-like smell. Utilizing available geological data and historical land-use files, he conducted air sampling for a range of contaminants to determine the presence of atmospheric constituents of concern and compare them to relevant regulatory or consensus exposure standards. He prepared a report of the findings and recommendations for hazard controls should a hazardous atmosphere develop during client operations.

*Insurance Loss Claim Response, Client Confidential, Oklahoma City, Oklahoma.* Conducted a smoke, fungal, moisture and occupational hazard investigation for a building Insurance Loss Claim related to a fire and police action. He quantified the amount of likely attributable smoke and moisture damage to building materials, as well as provided guidance on how to protect the health and safety of remediation workers in regards to the presence of "pepper spray" (OC gas) residues in the building. He provided written reports and protocols for the remediation operations within the building.

*Lead-Based Paint and Limited Asbestos Inspection, Client Confidential, Athens, Georgia.* Conducted a multi-family housing lead-based paint assessment of twenty-five buildings that were to be refinanced by a U.S. Housing and Urban Development loan.

### Affiliations

American Industrial Hygiene Association  
American Conference of Governmental Industrial Hygienists (Lapsed)

### Speaking

*Invited Lecturer, Tulane School of Public Health and Tropical Medicine.*, Pollution Assessment and Control.  
*Panel Member, Environmental Bankers Association Conference.*, Post Flood Emergency Response.  
*Speaker, Construction Lender Risk Management Conference.*, Post-Flood Hygiene, "What Happens to My Building?".

### Publications

*OSHA's Final Rule on Respirable Crystalline Silica in Construction, Company Blog Post, 3/19/17.* A post on the upcoming compliance date for the construction industry and what it will mean for clients' liability considerations.

*Protecting Certification: Coalition of Professional Organizations Fights Louisiana Bill. They Synergist 6/25/18.* An article about representing the American Industrial Hygiene Association during legislation development for the State of Louisiana.

*NYC Steam Pipe Explosion – What Do You Need to Know? GlobeSt.com, 7/25/18.* A post on the recommended actions and response to the July 19<sup>th</sup>, 2018 steam pipe explosion in Manhattan, New York.

*Let's Clear the Air: The Importance of Indoor Air Quality Hotel Business Magazine, 1/15/19.* Interviewed on the importance of maintaining good indoor air quality and its effects on the hotel industry

### Academic Publications

**Jelin B.**, Sun W., Kravets A., Naboka M., Stepanova E., Vdovenko V., Karmaus W., Lichosherstov A., Svendsen E. Quantifying Annual Internal Effective <sup>137</sup>Cesium Dose Utilizing Direct Body-Burden Measurement and Ecological Dose Modeling. *Journal of Exposure Science and Environmental Epidemiology*, (March 2015).

**Jelin B.**, Lindgren A., Naboka M., Kravets A., Vdovenko V., Stepanova E., Karmaus W., Svendsen E. Quantification of Cesium-137 Internal Equivalent Dose in a Cohort of Children From Narodichi, Ukraine Utilizing a Mechanistic Ecological Model. Abstract Accepted to the International Society of Exposure Science Conference (2014).

Svendsen, E., Kolpakov I., Karmaus W., Mohr L., Vdovenko V., McMahon D., **Jelin B.**, Stepanova Y. Reduced Lung Function In Children Associated with <sup>137</sup>Cesium Body Burden. Abstract Accepted for the World Epidemiology Conference (2014).

Svendsen, E., Kolpakov I., Karmaus W., Mohr L., Vdovenko V., McMahon D., **Jelin B.**, Stepanova Y. Reduced Lung Function In Children Associated with <sup>137</sup>Cesium Body Burden. *Annals of the American Thoracic Society* (June 2015).

Svendsen E., **Jelin B.**, Karmaus W., Naboka M., Vdovenko V., Stepanova E., <sup>131</sup>Iodine Exposures Associated with Thyroid Shape and Disease: A Prospective Cohort Study of Chernobyl Affected Children. Abstract submitted for inclusion in the National Research Center for Radiation Medicine of the National Academy of Sciences of Ukraine International Scientific Conference "Health Effects of the Chornobyl Accident – A Thirty Years Aftermath (18-19 April 2016, Kyiv, Ukraine)."

### Contact

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